Technology Transforming Head and Neck Cancer Care

July 16 - 20, 2016
Washington State Convention Center
Seattle, Washington

Headquarters Hotel:
Sheraton Seattle Hotel
1400 6th Ave, Seattle, WA

AHNS PRESIDENT: Dennis Kraus, MD
CONFERENCE CHAIR: Jonathan Irish, MD
PROGRAM CHAIR: Robert L. Ferris, MD, PhD
PROFFERED PAPERS CHAIR: Eben Rosenthal, MD
POSTER CHAIR: Cherie-Ann Nathan, MD
DEVELOPMENT CHAIR: Bert W. O’Malley Jr., MD

F I N A L   P R O G R A M
AHNS 2016 Industry Satellite Symposium

Immuno-Oncology: New Research Advancements in Squamous Cell Carcinoma of the Head and Neck

Tuesday, July 19, 2016 | 5:15–6:30 PM PDT
Washington State Convention Center
Seattle, Washington
Room 4C3

Program:

Harnessing the Immune System for the Treatment of SCCHN
Ethan Argiris, MD, PhD
Hygeia Hospital
Athens, Greece

Mechanisms of Immune Escape in SCCHN
John Lee, MD
Sanford Health
Sioux Falls, SD, United States

Immunotherapy Treatment Strategies Under Evaluation in Recurrent or Metastatic SCCHN
Robert Haddad, MD
Dana Farber Cancer Institute
Boston, MA, United States

Full panel discussion to follow presentations
Technology Transforming Head and Neck Cancer Care

FINAL PROGRAM

July 16 - 20, 2016
Washington State Convention Center
Seattle, Washington

The American Head & Neck Society (AHNS)
11300 W. Olympic Blvd. Suite 600
Los Angeles, CA 90064
Phone: (310) 437-0559
Fax: (310) 437-0585
E-Mail: info@ahns.info
www.ahns.info

The American Head & Neck Society is managed by
BSC Management, Inc.
Phone: (310) 437-0555
Fax: (310) 437-0585
E-Mail: info@bscmanage.com
www.bscmanage.com
Conference History

The 1st International Conference on Head and Neck Cancer was sponsored by the American Society for Head and Neck Surgery and the Society of Head and Neck Surgeons. It was held in Baltimore, Maryland in 1984; 669 were in attendance and 310 abstracts were presented as free papers and posters.

The 2nd International Conference was held four years later in Boston, Massachusetts under the sponsorship of the American Society for Head and Neck Surgery. It grew to 414 abstracts accepted for presentation and 983 in attendance.

The 3rd International Conference on Head and Neck Cancer was held in San Francisco, California in 1992 under the sponsorship of both the American Society for Head and Neck Surgery and the Society of Head and Neck Surgeons. The conference grew to 1,501 in total attendance: the number of proffered papers and poster presentations reached 582.

The 4th International Conference was held in Toronto, Canada in 1996 where 1,664 attended from 51 countries, and 787 abstracts were accepted for presentation.

The 5th International Conference was held in San Francisco, California in 2000 where a record-breaking 2,275 attended, and 791 abstracts were accepted for presentation. This meeting was sponsored by the recently merged Head and Neck societies. The new society, the American Head and Neck Society, is the single largest society dedicated to head and neck oncology in North America.

The 6th International Conference was held in Washington, DC in 2004 with 1,720 attendees and 875 abstracts accepted for presentation.

The 7th International Conference was held once again in San Francisco, California in 2008 where 1,996 attended from 65 countries and 1,159 abstracts were accepted for presentation.

The 8th International Conference was held in Toronto, Canada in 2012 where 1,755 attended from 64 countries and 1,339 abstracts were accepted for oral and poster presentation.

SAVE THE DATE!

2017 AHNS Annual Meeting
Held During the Combined Otolaryngology Spring Meetings (COSM)

Wednesday, April 26, 2017 & Thursday, April 27, 2017

Manchester Grand Hyatt
San Diego, California
Table of Contents

6 General Information
10 Educational Objectives
11 Continuing Medical Education Credits
12 CME Worksheet
14 Commercial Bias Reporting Form
15 Conference Leadership
25 Keynote Lectures & Symposiums
38 Guests of Honor
40 Distinguished Service Award
41 Presidential Citations
47 Research and Paper Awards
50 Visibility Sponsors
51, 53 Washington State Convention Center Floorplans
54 Industry Satellite Symposia
57 Schedule-at-a-Glance
65 Scientific Program
173 Faculty Listing
183 Faculty & Presenter Disclosures
191 Exhibitor Listing
192 Poster Listing
247 About The American Head & Neck Society
256 AHNS Research & Education Foundation

Thank You to Our Educational Supporters!
The American Head & Neck Society gratefully acknowledges generous unrestricted educational grants in support of the 9th International Conference on Head and Neck Cancer by the following companies:

Diamond Level
Astra Zeneca
Merck

Bronze Level
Karl Storz Endoscopy
## General Information

### On-site Registration Hours

<table>
<thead>
<tr>
<th>Day</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Friday, July 15</td>
<td>1:00pm – 6:00pm</td>
</tr>
<tr>
<td>Saturday, July 16</td>
<td>6:30am – 5:00pm</td>
</tr>
<tr>
<td>Sunday, July 17</td>
<td>6:30am – 6:30pm</td>
</tr>
<tr>
<td>Monday, July 18</td>
<td>6:30am – 5:30pm</td>
</tr>
<tr>
<td>Tuesday, July 19</td>
<td>6:30am – 5:00pm</td>
</tr>
<tr>
<td>Wednesday, July 20</td>
<td>7:00am – 12:00pm</td>
</tr>
</tbody>
</table>

- **4D Skybridge**

### Exhibit Hall Hours

<table>
<thead>
<tr>
<th>Day</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sunday, July 17</td>
<td>10:00am – 4:00pm</td>
</tr>
<tr>
<td>(Welcome Reception)</td>
<td>7:30pm – 8:30pm</td>
</tr>
<tr>
<td>Monday, July 18</td>
<td>10:00am – 4:00pm</td>
</tr>
<tr>
<td>Tuesday, July 19</td>
<td>10:00am – 4:00pm</td>
</tr>
</tbody>
</table>

- **4E**

### Speaker Ready Room Hours

<table>
<thead>
<tr>
<th>Day</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Friday, July 15</td>
<td>1:00 pm – 5:00 pm</td>
</tr>
<tr>
<td>Saturday, July 16</td>
<td>6:00 am – 5:30 pm</td>
</tr>
<tr>
<td>Sunday, July 17</td>
<td>5:30 am – 7:30 pm</td>
</tr>
<tr>
<td>Monday, July 18</td>
<td>5:00 am – 5:30 pm</td>
</tr>
<tr>
<td>Tuesday, July 19</td>
<td>6:00 am – 6:30 pm</td>
</tr>
<tr>
<td>Wednesday, July 20</td>
<td>6:30 am – 12:00 pm</td>
</tr>
</tbody>
</table>

- **307-308**

### AHNS Foundation Lounge Hours

**For current members of the Centurion Club**

<table>
<thead>
<tr>
<th>Day</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sunday, July 17</td>
<td>8:15am – 5:15pm</td>
</tr>
<tr>
<td>Monday, July 18</td>
<td>7:30am – 5:15pm</td>
</tr>
<tr>
<td>Tuesday, July 19</td>
<td>7:30am – 5:00pm</td>
</tr>
</tbody>
</table>

- **401**

### Spouses Lounge Hours

<table>
<thead>
<tr>
<th>Day</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sunday, July 17</td>
<td>7:00 am – 3:00 pm</td>
</tr>
<tr>
<td>Monday, July 18</td>
<td>7:00 am – 3:00 pm</td>
</tr>
<tr>
<td>Tuesday, July 19</td>
<td>7:00 am – 3:00 pm</td>
</tr>
<tr>
<td>Wednesday, July 20</td>
<td>7:00am – 11:00am</td>
</tr>
</tbody>
</table>

- **3A**

### Official Language

The official language of the conference is English. Simultaneous translation will not be offered.

### Abstracts

This program contains a complete listing of proffered papers and posters. Full abstract text can be found in a) the on-line version of the *JAMA Otolaryngology – Head & Neck Surgery*, b) the Conference Mobile Application, and c) at [http://ahns.jnabstracts.com/](http://ahns.jnabstracts.com/)

### Business Center

There is a FedEx Office in the convention center located on Level 1. It will be open Monday through Friday from 7:00am to 10:00pm and Saturday and Sunday from 9:00am to 6:00pm.
**General Information**

**Concessions**
The AHNS will provide attendees with a continental breakfast each morning prior to the start of the session, excluding Saturday. A morning coffee break and an afternoon beverage break will also be provided all days of the week during the designated break times as noted in the Schedule at a Glance.

**Food will be available for purchase at a vendor cart in the Exhibit Hall 4E during the times below.**

<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sunday, June 17th</td>
<td>10:45am - 2:45pm</td>
</tr>
<tr>
<td>Monday, June 18th</td>
<td>10:45am - 2:45pm</td>
</tr>
<tr>
<td>Tuesday, June 19th</td>
<td>10:30am - 2:30pm</td>
</tr>
</tbody>
</table>

**Internet Access**
Attendees of the conference will have access to complimentary wi-fi internet in the main session rooms of the convention center from Saturday through Wednesday.

**First Aid Locations**
First Aid offices can be found in the following locations of the Washington State Convention Center: South Lobby, Room 699, and Truck Hall North of 4EF.

**Hours:**

<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Saturday, July 16</td>
<td>6:30 am – 5:00 pm</td>
</tr>
<tr>
<td>Sunday, July 17</td>
<td>6:30 am – 9:30 pm</td>
</tr>
<tr>
<td>Monday, July 18</td>
<td>6:30 am – 7:30 pm</td>
</tr>
<tr>
<td>Tuesday, July 19</td>
<td>6:30 am – 5:30 pm</td>
</tr>
<tr>
<td>Wednesday, July 20</td>
<td>6:30 am – 1:00 pm</td>
</tr>
</tbody>
</table>

**AED Locations:**

- 2 N Lobby On post nearest Red Phone
- 4A Next to East wall fire hose cabinet
- 4B Next to West wall fire hose cabinet
- 4C Next to house phone and pay phones
- 4E South Wall
- 4F East Wall
- N Truck Corridor Outside N First Aid Office
- 4 N Lobby On East post near fire extinguisher
- 498 First Aid Office
- 6A Next to East wall fire hose cabinet
- 6B Next to North wall fire hose cabinet
- 6C Next to West wall fire hose cabinet
- 6E Next to West wall fire hose cabinet
- 699 First Aid Office
- Security Control East Wall
- 800 Pike Second Floor First Aid Room off of main stairs
American Head & Neck Society Statement of Professionalism and Ethics

The American Head and Neck Society is committed to promulgating and promoting professionalism and ethical behavior in its membership. As members, we value the trust placed in us by our patients, colleagues and society, and therefore willingly pledge to uphold the ethical and professional principles and virtues of medicine as outlined below.

We have a fundamental and sacred duty to our patients. Therefore, we will:
- Recognize that the welfare of our patients is the paramount priority
- Serve as advisors to our patients to help them navigate complex medical decisions
- Discuss the risks, benefits and alternatives of appropriate therapeutic options
- Be respectful of our patients’ viewpoints and beliefs
- Support our patients physically, emotionally and spiritually
- Care for and support our patients at the end of life
- Offer support and care to our patients’ families
- Strive to enhance and maximize our clinical, surgical and interpersonal competence
- Maintain a caring and respectful demeanor

We have a responsibility to our colleagues and teachers. Therefore, we will:
- Willingly acknowledge our skills and expertise to those wishing to learn
- Honor our teachers for devoting their time and energy on our behalf
- Assist our colleagues, technically, intellectually, emotionally and spiritually
- Respect our colleagues from other disciplines and practice multi-disciplinary care
- Provide legal opinions based only on evidenced-based practice and standards of care
- Offer care without regard to gender, age, religion, sexual orientation, socioeconomic status or ethnicity

We also have an obligation to the faith entrusted in us by society. Therefore, we will:
- Perform self regulation by developing and adhering to professional, ethical and evidence-based practice standards
- Disclose and limit conflict of interest
- Practice medicine honestly, compassionately and confidentially
- Educate the public within the bounds of our expertise
Follow us on twitter!
@ahnsinfo
#AHNS2016

Manage your schedule
Download the free app
Scan the QR code or enter the URL in your device browser to download

Download on the App Store
http://ativ.me/9tn

Android App on Google Play
http://ativ.me/9to

For all other devices
Web Version
http://ativ.me/ahns2016

Powered by ativsoftware.com EventPilot®
Educational Objectives

The conference is designed to enable and stimulate clinicians and scientists to pursue the study of novel and promising new mechanisms of identifying disease, stratifying prognoses, developing new treatments, measuring outcomes and quality of care, and improving surveillance. The participation of Medical Oncologists, Radiation Oncologists, Radiologists, Pathologists, and Head and Neck Surgeons will ensure educational interaction within and between specialties that can strengthen multidisciplinary collaborative relationships.

At the conclusion of the event, participants will be able to:

A. Assess and apply therapeutic options for the head and neck and thyroid cancer patient in a multidisciplinary environment, including:
   1) Induction chemotherapy and concurrent chemoradiotherapy, and how these treatments impact oncologic and functional outcomes of patient with advanced head and neck cancer;
   2) Novel radiation delivery, and the benefits and shortcomings of methods such as Intensity Modulated Radiotherapy (IMRT);
   3) Emerging molecular-targeted agents, and their efficacy and role in the treatment of head and neck cancer, including thyroid cancer.
   4) Surgical treatments, including the impact of breakthroughs in technology leading to robotic surgery, endoscopic approaches to the neck and thyroid gland, image-guided treatment of skull base neoplasms, sentinel node mapping, new reconstructive approaches, and new powered instrumentation and hemostatic devices.

B. Assess emerging research that lead to better understanding of the pathogenesis of head and neck cancer and its treatment, including:
   1) New imaging breakthroughs for disease detection, pre-treatment staging, and assessment of treatment response.
   2) High throughput laboratory approaches to analyze tumors and biofluids including whole genome sequencing, cDNA microrrays, array CGH, SNP arrays and integrative genomics.
   3) The significance of human papilloma virus elements and or antibodies in tumors and biofluids.
   4) Pre-clinical evaluation of novel therapeutics.
   5) Early detection of oral pre-malignancy and cancer and chemopreventive approaches.
   6) Newly discovered biomarkers and their utility in treatment selection.
   7) In addition, attendees with research careers may also be able to find new collaborators, develop new research protocols (including clinical trials), and participate in and improve existing protocols and trials.

C. Assess and apply the process, outcomes, and quality of delivering care to head and neck cancer patients, including:
   1) The value of treatment guidelines including the NCCN treatment guidelines in improving patient care.
Educational Objectives

2) How to measure patient-reported outcomes and maximize their utility
3) How to establish a surgical quality and performance monitoring program
4) How cost-effectiveness is important to consider in considering novel treatments
5) The Physician Quality Reporting Initiative (PQRI) in head and neck cancer care
6) Incorporating quality into trainee/medical student education
7) The burden of caring for H&N cancer in the developing and international community

D. Recognize the vital role of nurses, speech language pathologists, audiologists, nutritionists, social workers, pain specialists, mental health practitioners, physical therapists, dental oncologists in achieving maximal functional outcomes and increase interdisciplinary cooperation.

Continuing Medical Education Credits

The 9th International Conference on Head and Neck Cancer has been designated for continuing medical education credits. Please use the worksheet on page 12 to track the number of CME hours you attend for each activity. Nurses may submit their certificate of attendance to their state nursing board and get it qualified for credit. CMEs translate to 1 credit = 1 hour. Please use the following link to complete the on-line survey and claim form:

https://www.research.net/r/2016AHNS

The survey link will open on Saturday, July 16th. Access is also available through the AHNS 2016 Mobile App.

AHNS Accreditation

The American Head & Neck Society (AHNS) is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to sponsor Continuing Medical Education for physicians.

The AHNS designates this Live activity for a maximum of 32.25 AMA PRA Category 1 Credit(s)™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Certificate of Attendance

Attendees may pick up a certificate of attendance from the Registration Desk beginning Tuesday, July 19th.
## CME Worksheet

Fill in the number of hours you attended each activity in the chart below to track your CME credits.

### SATURDAY, JULY 16, 2016

<table>
<thead>
<tr>
<th>Activity</th>
<th>Session Attended</th>
<th>Credits Available</th>
<th>Hours Attended</th>
</tr>
</thead>
<tbody>
<tr>
<td>AHNS/AAOHNSThroid and Parathyroid Surgery Course for Residents and Fellows</td>
<td></td>
<td>3.75</td>
<td></td>
</tr>
<tr>
<td>Instructional Courses 08:00-09:00</td>
<td></td>
<td>1.0</td>
<td></td>
</tr>
<tr>
<td>Instructional Courses 09:00-10:00</td>
<td></td>
<td>1.0</td>
<td></td>
</tr>
<tr>
<td>Instructional Courses 10:30-11:30</td>
<td></td>
<td>1.0</td>
<td></td>
</tr>
<tr>
<td>Instructional Courses 11:00-12:00</td>
<td></td>
<td>1.0</td>
<td></td>
</tr>
<tr>
<td>Instructional Courses 12:00-13:00</td>
<td></td>
<td>1.0</td>
<td></td>
</tr>
<tr>
<td>Instructional Courses 13:00-14:00</td>
<td></td>
<td>1.0</td>
<td></td>
</tr>
</tbody>
</table>

**Total Credits Available for Saturday, July 16, 2016:** 6.75

### SUNDAY, JULY 17, 2016

<table>
<thead>
<tr>
<th>Activity</th>
<th>Session Attended</th>
<th>Credits Available</th>
<th>Hours Attended</th>
</tr>
</thead>
<tbody>
<tr>
<td>John J. Conley Lecture</td>
<td></td>
<td>0.75</td>
<td></td>
</tr>
<tr>
<td>Keynote: Curt Cronin</td>
<td></td>
<td>0.75</td>
<td></td>
</tr>
<tr>
<td>Panels/Preferred Papers 10:45-12:15</td>
<td></td>
<td>1.5</td>
<td></td>
</tr>
<tr>
<td>Lunch with the Professors/Tumor Boards 12:30-01:30</td>
<td></td>
<td>1.0</td>
<td></td>
</tr>
<tr>
<td>Panels/Preferred Papers 01:45-03:15</td>
<td></td>
<td>1.5</td>
<td></td>
</tr>
<tr>
<td>Panels/Preferred Papers 03:45-05:15</td>
<td></td>
<td>1.5</td>
<td></td>
</tr>
<tr>
<td>AHNS Presidential Address &amp; Honors</td>
<td></td>
<td>0.75</td>
<td></td>
</tr>
<tr>
<td>Building a Multidisciplinary Head and Neck Program from the Ground Up</td>
<td></td>
<td>1.0</td>
<td></td>
</tr>
</tbody>
</table>

**Total Credits Available for Sunday, July 17, 2016:** 8.75
## CME Worksheet

### MONDAY, JULY 18, 2016

<table>
<thead>
<tr>
<th>Activity</th>
<th>Session Attended</th>
<th>Credits Available</th>
<th>Hours Attended</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jatin P. Shah Symposium</td>
<td></td>
<td>1.0</td>
<td></td>
</tr>
<tr>
<td>Lunch with the Professors or Tumor Boards</td>
<td>12:30-1:30</td>
<td>1.0</td>
<td></td>
</tr>
<tr>
<td>Panels/Proferred Papers</td>
<td>10:45-12:15</td>
<td>1.5</td>
<td></td>
</tr>
<tr>
<td>Panels/Proferred Papers</td>
<td>1:45-3:15</td>
<td>1.5</td>
<td></td>
</tr>
<tr>
<td>Panels/Proferred Papers</td>
<td>03:45-05:15</td>
<td>1.5</td>
<td></td>
</tr>
</tbody>
</table>

**Total Credits Available for Monday, July 18, 2016:** 6.5

### TUESDAY, JULY 19, 2016

<table>
<thead>
<tr>
<th>Activity</th>
<th>Session Attended</th>
<th>Credits Available</th>
<th>Hours Attended</th>
</tr>
</thead>
<tbody>
<tr>
<td>Milton J. Dance Symposium - Optimizing Survivorship: Prevention thru Late Effects</td>
<td></td>
<td>1.5</td>
<td></td>
</tr>
<tr>
<td>Hayes Martin Lecture</td>
<td></td>
<td>0.75</td>
<td></td>
</tr>
<tr>
<td>Panels/Proferred Papers</td>
<td>10:30-12:00</td>
<td>1.5</td>
<td></td>
</tr>
<tr>
<td>Panels/Proferred Papers</td>
<td>1:30-3:00</td>
<td>1.5</td>
<td></td>
</tr>
<tr>
<td>Panels/Proferred Papers</td>
<td>3:30-5:00</td>
<td>1.5</td>
<td></td>
</tr>
</tbody>
</table>

**Total Credits Available for Tuesday, July 19, 2016:** 6.75

### WEDNESDAY, JULY 20, 2016

<table>
<thead>
<tr>
<th>Activity</th>
<th>Session Attended</th>
<th>Credits Available</th>
<th>Hours Attended</th>
</tr>
</thead>
<tbody>
<tr>
<td>Christopher O’Brien Lecture</td>
<td></td>
<td>0.5</td>
<td></td>
</tr>
<tr>
<td>Panels/Proferred Papers</td>
<td>9:30-11:00</td>
<td>1.5</td>
<td></td>
</tr>
<tr>
<td>Panels/Proferred Papers</td>
<td>11:00-12:30</td>
<td>1.5</td>
<td></td>
</tr>
</tbody>
</table>

**Total Credits Available for Wednesday, July 20, 2016:** 3.50

**TOTAL CREDITS:** 32.25
Commercial Bias Reporting Form

You are encouraged to …

1) Document (on this form) any concerns about commercially-biased presentations/ materials during educational sessions,

2) Make suggestions about how bias might have been avoided/ minimized, and

3) Immediately take your completed form to the AHNS staff at the Registration Desk.

Your feedback will be shared with a member of the CME Compliance Committee, who will make the faculty aware of the concerns and/or suggestions.

Commercial Bias

The AHNS CME Compliance Committee has defined “bias” as an existing predisposition that may interfere with objectivity in judgment. Bias may be minimized through prior declaration of any source of conflict of interest, reference to evidence-based literature and expert opinions, and/or an independent peer-review process.

If an educational presentation certified for CME includes bias of any commercial interests*, please provide the following details:

(*Commercial interest is defined by the ACCME as an entity producing, marketing, re-selling, or distributing health care goods or services consumed by, or used on, patients.)

Presentation: Commercial Bias by: Promotion via:
(eg session name, etc) (ie faculty name, company rep) (eg handouts, slides, what they said, actions)

Commercial Bias about:
(check all that apply)

___ Patient treatment/management recommendations were not based on strongest levels of evidence available.
___ Emphasis was placed on one drug or device versus competing therapies, and no evidence was provided to support its increased safety and/or efficacy.
___ Trade/brand names were used.
___ Trade names versus generics were used for all therapies discussed.
___ The activity was funded by industry and I perceived a bias toward the grantors.
___ The faculty member had a disclosure and I perceived a bias toward the companies with which he/she has relationships.
___ Other (please describe):

Suggestions for avoiding or minimizing bias:

__________________________________________________________________
__________________________________________________________________

Extra Copies Are Available at the AHNS Desk
Please return this form to the AHNS Membership Booth or the Registration Desk, or mail it to:
AHNS CME, 11300 W. Olympic Blvd, Suite 600, Los Angeles, CA 90064
Conference Leadership

AHNS President

Dennis Kraus, MD

Dr. Dennis Kraus is the Director of the Center for Head and Neck Oncology within the New York Head & Neck Institute and the Northwell Health Cancer Institute. He is Chair of the Lenox Hill Hospital Cancer Committee, Member of the Cancer Oversight Committee for the Northwell Health System, Professor of Otolaryngology at Northwell Health Hofstra School of Medicine and a Member of the Admissions Committee for the Hofstra School of Medicine. Dennis has served in a number of administrative positions within the otolaryngology and head and neck surgery communities. In addition to currently serving as president, he has served in multiple roles within the AHNS, including program chair of the annual meeting and Secretary.

Dennis currently is a member of the Board of Governors for the American College of Surgeons and the Otolaryngology Advisory Council. He serves on the American Joint Commission of Cancer. He is the past president of the North American Skull Base Society, the New York Head and Neck Society and the New York Laryngological Society. Dennis is currently co-editor in chief of the Skull Base Journal and associate editor of Head and Neck Surgery. He is chair of the Subspecialty Advisory Council for the American Academy of Otolaryngology-Head and Neck Surgery and is past chair of the Head and Neck Educational committee and the Home Study Course.

His clinical interest focuses on all aspects of head and neck oncology and his research efforts have paralleled his clinical initiatives. Dennis has particular expertise as it relates to minimally invasive thyroid surgery, robotic surgery of the head and neck and sentinel node biopsy for cutaneous malignancies. He has been a strong advocate for the use of minimally invasive surgery in the sinonasal region and skull base. Each of these developments has been associated with decreased morbidity with improved cosmetic and functional outcomes for patients with head and neck neoplasms. He has been fortunate to lecture across both the USA and around the world in a number of venues. On a personal level, Dennis is married to his wife of 29 years, Daryl, and they reside with all 3 of their adult children; Devon, Cameron and Collin, in New York City. He continues to enjoy golf, skiing and travel.

Conference Chair

Jonathan Irish, MD, MSc, FRCSC, FACS

Dr. Irish graduated with his M.D. degree in 1984 from the University of Toronto. He completed residency training at UCLA and at the University of Toronto. He completed his Master’s of Science degree in Molecular Biology at the Institute of Medical Science at the University of Toronto in 1991 where he studied the molecular biological characteristics of head and neck cancers. He completed the American Head and Neck Society Fellowship in Head and Neck Surgical Oncology in 1991 under Dr. Patrick Gullane and joined the staff of the Toronto General Hospital and Princess Margaret Cancer Centre in 1992.

Dr. Irish is currently the Chief of the Department of Surgical Oncology at the Princess Cancer Centre and is Professor of Otolaryngology-Head and Neck Surgery at the University of Toronto.

Since 2004, Dr. Irish has been a major health policy advisor and responsible for access to care, quality improvement and health care funding for the Surgical Oncology Program at Cancer Care Ontario which oversees the delivery of cancer services for 13.5 million people in the Province of Ontario, Canada. In 2004, Dr. Irish became the Lead for Access to Care (“Wait Times”) and Strategic Funding Initiatives for the Surgical Oncology Program at Cancer Care Ontario and is responsible for the Cancer Surgery Wait Times portfolio. He was the Provincial Clinical Lead for Access to Services and Wait Times for the Province of Ontario from 2008-2012. In 2008, Dr. Irish was appointed Provincial Head of the Surgical Oncology Program at Cancer Care Ontario. In 2015, Dr. Irish was elected Vice-President of the American Head and Neck Society and will assume the Presidency position in 2018.
Conference Leadership

As the Kevin and Sandra Sullivan Chair in Surgical Oncology at the University of Toronto he has led a multidisciplinary program in Guided Therapeutics at UHN and is currently leading the Guided Therapeutics Core for the TECHNA Institute at the University Health Network.

Dr. Irish has over 300 peer review publications and over 30 book chapters and has over $3M in peer-review funding for his research through the NCIC and CIHR.

Jon is married to Dr. Rosemary Martino and are extremely proud of their 3 children Matthew (29), Brendan (27) and Elizabeth (24).

Program Chair

Robert L. Ferris, MD, PhD

Robert L. Ferris, MD, PhD completed his training at Johns Hopkins in 2001, focused on head and neck oncologic surgery and cancer immunology. He moved to the University of Pittsburgh, where he is currently UPMC Endowed Professor, Vice-Chair and Chief of Head and Neck Surgery, and Fellowship Director in Head and Neck Oncologic Surgery. At the University of Pittsburgh Cancer Institute, he is Co-Leader of the Cancer Immunology Program and Associate Director for Translational Research. Dr. Ferris serves on the Editorial Boards of JNCI, JCO, Clinical Cancer Research, Cancer Immunology Research and Section Editor for Cancer. He is Editor in Chief of Oral Oncology. Dr. Ferris has published over 250 peer-reviewed manuscripts and in 2015 was elected co-chair of the NCI Head and Neck Steering committee to facilitate prospective clinical trials.

Dr. Ferris’s NIH-funded laboratory is focused on reversal of immune escape and immunotherapy using monoclonal antibodies and cellular vaccines, leading randomized phase II-III trials of anti-PD-1 and anti-CTLA-4 immunotherapy. He currently chairs the NIH tumor Microenvironment study section. He is PI of several prospective randomized trials, including ECOG 3311, testing radiation dose-deintensification after transoral robotic surgery (TORS) for HPV+ oropharynx cancer, as well as ECOG-ACRIN 3132, using p53 mutational testing in HPV- cancer, to predict response to radiation versus chemoradiation. He is a Principal Investigator of the University of Pittsburgh Specialized Program of Research Excellence (SPORE) grant for translational head and neck research, and a T32 training grant, “Training of Head and Neck Oncologists,” both funded by the National Cancer Institute until 2020. Dr. Ferris has authored numerous book chapters and co-edited two textbooks, Salivary Gland Disorders and Master Techniques in Head and Neck Surgery.

For 17 years, Bob has been married to Laura K. Ferris, MD, PhD (Associate Professor of Dermatology and Translational Science), with whom he has 3 children, Rachel (14), Anna (12) and Adam (10).

Proffered Papers Chair

Eben L. Rosenthal, MD

Eben Rosenthal grew up in Ann Arbor, Michigan and received degrees from Haverford College and the University of Michigan. He learned his surgical skills in otolaryngology from the University of Michigan and traveled west for further training in facial plastic and reconstructive surgery at the Oregon Health and Science University. He joined the faculty at University of Alabama at Birmingham where he started as an Assistant Professor of Surgery within the Division of Otolaryngology. In 2012, Dr. Rosenthal became Division Director of Otolaryngology – Head and Neck Surgery and the holder of the John S. Odess Endowed Chair at the University of Alabama at Birmingham. He moved to Stanford in 2015 to become the Ann and John Doerr Medical Director of the Stanford Cancer Center.

Dr. Rosenthal is certified by the American Board of Otolaryngology and specializes in the treatment and reconstruction of head and neck cancer patients. He has a strong interest in development of new strategies to surgically repair complex head and neck defects to improve functional and cosmetic outcomes.
Conference Leadership

He has published over 160 peer-reviewed scientific manuscripts, authored many book chapters and published a book on optical imaging in cancer. He is on the editorial board of Head & Neck and The Laryngoscope and is also a charter member of the NIH Developmental Therapeutics Study Section. Dr. Rosenthal has performed preclinical and clinical research on the role of targeted therapies for use to treat cancer alone and in combination with conventional therapy. He has served as principal investigator on several early phase investigator-initiated and industry sponsored clinical trials in molecular oncology. He has received grant funding from the American Cancer Society, NIH/NCI and NIH/NIDCR to study the role of targeted therapy and novel imaging strategies in cancer.

Dr. Rosenthal has conducted bench to bedside development of optical contrast agents to identify cancer in the operating room. He led a multidisciplinary team of scientists through successful IND application to allow testing of fluorescently labeled antibodies in the clinic and operating room. These early phase clinical trials have demonstrated that this technique can visualize microscopic cancer in the operating room and may significantly improve clinical outcomes.

Poster Chair

Cherie Ann O. Nathan, MD

Cherie-Ann Nathan, MD, FACS, is Professor and Chairman of the Department of Otolaryngology/Head and Neck Surgery at LSU-Health in Shreveport. She is also Director of Head and Neck Oncologic Surgery and Research at the Feist-Weiller Cancer Center. She completed her Otolaryngology/Head and Neck Surgery residency and head and neck fellowship in 1995 at University of California, San Diego. She was a post-doctoral fellow at Johns Hopkins where she started her research career. Following her fellowship she began her academic career at LSU-Shreveport.

Her passion to improve outcomes for patients with HNSCC was the reason she moved from Mumbai India, where she went to medical school at TNMC Mumbai and began her ENT residency. She is a Surgeon-Scientist that maintains a busy practice treating head and neck cancer patients, thyroid, parathyroid diseases and voice disorders and leads an active research team. Her translational research program has been funded by the National Cancer Institute since 2000 and focuses on targeted therapy for head and neck patients. She is nationally and internationally recognized for her seminal work on molecular analysis of surgical margins and has pioneered clinical trials using mTOR inhibitors in HNSCC patients previously with Wyeth, and most recently with Novartis. She is also NIH funded for chemoprevention of cancer with curcumin and has a provisional patent for a new formulation of this compound. She is also a team member of the COBRE grant for viral oncogenesis. She has published extensively and has over 150 publications in peer reviewed journals and has authored textbooks and encyclopedia chapters.

Dr. Nathan has served on many National committees some of which include the NCI Steering committee and Task Force, board of directors for the Head and Neck Cancer Alliance, ASCO Program committee and Larynx Preservation Working Group and the AAO-HNS Program committee and Head & Neck CORE leader. She has served on many committees for the AHNS including chairing the research and finance committee. At the local level she is active as well, having been on the board of directors for Shreveport Medical Society, Disaster Reform committee and the Science Museum.

The SB Commerce Department awarded her the Athena Award for community service and she received the Leonard Tow Humanism award from the Arnold Gold Foundation. The Board of Regents in Louisiana established the “Cherie-Ann Nathan Endowed Professorship in Otolaryngology/Head and Neck Surgery” initiated by grateful patients to honor her dedication and expertise.

Dr. Nathan is married to pulmonologist and critical care specialist Dr. Raghu Nathan and they have two boys. Her favorite hobby is performing with the “Nathan Family Trio” to raise money for the Arts and Cancer research in Shreveport
Conference Leadership

Local Chair

Neal Futran, MD, DMD

Dr. Futran joined the University of Washington faculty in 1995. He is currently the Allison T. Wanamaker Professor and Chair of the Department of Otolaryngology - Head and Neck Surgery. He is also the Director of Head and Neck Surgery as well as an adjunct professor in the departments of Plastic Surgery and Neurological Surgery. Dr. Futran earned his dentistry degree at the University of Pennsylvania and completed training in oral and maxillofacial surgery as well as an MD degree at the Health Science Center at Brooklyn, New York. He then trained in Otolaryngology - Head & Neck Surgery at the University of Rochester followed by a Head and Neck Oncology and Microvascular Surgery fellowship at Mount Sinai Hospital in New York with Dr. Mark Urken. Dr. Futran became an assistant professor in the Department of Otolaryngology at the University of South Florida in 1993 specializing in head and neck oncologic and reconstructive surgery and subsequently relocated to Seattle.

Dr. Futran is board certified in Otolaryngology and has outstanding expertise and an active practice in head and neck oncology and microvascular reconstruction and rehabilitation of complex, oncology and trauma cases. He also specializes in skull base surgery utilizing both endoscopic and open approaches. His major research activities center on microvascular reconstruction of the head and neck and he also participates in grants studying molecular profiles and gene analysis in oral carcinogenesis.

He enjoys teaching on the topics of head and neck reconstruction, craniofacial trauma, skull base surgery, and head and neck oncology worldwide. He is on the board of directors for the AO Foundation, a trustee of the UW Physicians, and the Virginia Bloedel Hearing Research Institute. Dr. Futran is on the editorial boards of several scientific journals, is associate editor of *Oral Oncology*, and deputy editor of *JAMA-Otolaryngology*. He is listed in the Best Doctor’s in Seattle, for Cancer, and in America.
Conference Leadership

Development Chair

Bert W. O’Malley, Jr., MD

Bert W. O’Malley, Jr., M.D. is the Gabriel Tucker Professor and Chairman of the Department of Otorhinolaryngology – Head and Neck Surgery. He is the Co-Director of the Center for Head and Neck Cancer, with joint appointments in the Departments of Neurosurgery, Radiation Oncology, the Abramson Cancer Center and the School of Dental Medicine. Dr. O’Malley also serves as Associate Vice President of Physician Network Development to further develop clinical programs and improve the coordination of care of patients between Penn Medicine and referral networks in the face of health care reform.

Dr. O’Malley received his M.D. from UT Southwestern in Dallas. He completed two years of general surgery residency at Parkland Memorial Hospital and then a residency in Otolaryngology – Head and Neck Surgery at Baylor College of Medicine. Dr. O’Malley completed a fellowship in head and neck oncology and cranial base surgery at the University of Pittsburgh. He began his academic faculty career at Johns Hopkins University in 1995 where he rose to Associate Professor and Director of Gene and Molecular Therapy in the Department of Otolaryngology-Head & Neck Surgery.

Subsequent to his tenure at Hopkins, Dr. O’Malley served as Professor and Chairman of Otolaryngology – Head and Neck Surgery at the University of Maryland from 1999 to 2003 as well as Associate Director of the Greenebaum Cancer Center.

Dr. O’Malley brings clinical expertise in the area of open and endoscopic skull base surgery, robotic surgery, and head and neck cancer. His clinical research focuses on the development of novel technologies such as image-guided surgery and robotic surgery. Dr. O’Malley co-founded the first human robotics head and neck and skull base program in the world and was Co-PI of the first IRB approved human clinical trial for robotic surgery in our specialty. He is actively developing novel robotic surgical procedures (TORS) and instrumentation to advance the use of this technology in all aspects of Otolaryngology - Head and Neck Surgery. He was instrumental in the achievement of USFDA approval in December 2009 for TORS (TransOral Robotic Surgery) as well as expanded indications FDA approval in 2014.

Dr. O’Malley has served as PI on three NIH RO1s and an R29 (FIRST) award as well as numerous industry and foundation grants. He is pioneering the use of molecular therapies to enhance the anti-tumor effects of chemotherapy and radiation while reducing the known toxicities of these treatments. In addition, he is investigating novel combinations of stem cells and biomatrices for tissue defect reconstruction. He is currently Co-PI of the NIH-funded Penn Multidisciplinary Consortium: Personalized Dental, Oral and Craniofacial Tissue Regeneration.

Dr. O’Malley is a Fellow of the American College of Surgeons and is a member of numerous professional societies, including the American Academy of Otolaryngology – HNS, the American Head & Neck Society, the Triological Society, the American Laryngologic Society, the American BrochoEsophagology Society, the American Rhinologic Society, The John Morgan Society, the Philadelphia College of Physicians, and the Collegium Oto-Rhino-Laryngologicum Amicitiae Sacrum (CORLAS). He is a founding member of the Cell Transplant Society and Charter member of the Society of Robotic Surgery.

Dr. O’Malley is Editor-in-Chief of the Journal for Oto-Rhino-Laryngology, Head and Neck Surgery and Editor of the textbooks “Atlas of Skull Base Surgery” and “TransOral Robotic Surgery (TORS).”
Conference Leadership

Program Co-Chairs

**Radiation Oncology**  
Quynh Le, MD  
Sandro Porceddu, MD  
Harry Quon, MD  

**Medical Oncology**  
Barbara Burtness, MD  
Ezra Cohen, MD  
Danny Rischin, MD  
Lisa Licitra, MD  

**Basic/Translational Research**  
Christine Chung, MD  
Eduardo Mendez, MD  
James Rocco, MD, PhD  
Richard Wong, MD  

**Rehabilitation/Quality of Life**  
Jolie Ringash, MD  
Kate Hutcheson, MD  

**Guidelines/Standards**  
Amy Chen, MD, MPH  
Terry Day, MD  
Hisham Mehanna, MD, PhD  

**Health Services Research & Population Science**  
Louise Davies, MD, MS  
M. Boyd Gillespie, MD, MS  
Erich Sturgis, MD  

**Surgical**  
James Brown, MD  
Ralph Gilbert, MD  
Richard Shaw, MD  
Masie Shindo, MD  
Ralph Tufano, MD  

International Advisory Committee

Petra Ambrosch  
Ayman Abdel-Wahab Amin  
Athanasios Argiris  
Robert J. Baatenburg de Jong  
Gideon Yacov Bachar  
Chung-Hwan Baek  
Salem Billan  
James S. Brown  
Miljenko Bura  
Andre Lopes Carvalho  
Claudio R. Cernea  
Anthony T. C. Chan  
Jimmy Yu Wai Chan  
Pankaj Chaturvedi  
Mu-Kuan Chen  
Dominique Chevalier  
Chih-Yen Chien  
Eun Chang Choi  
Jonathan Clark  
June Corry  
Anil K. D'Cruz  
Fernando L. Dias  
Andreas Dietz  
Ilana Doweck  
Johannes J. Fagan  
Raphael Feinmesser  
Marcelo F. Figari  
Dan M. Fliss  
Satoshi Fukuda  
Ziv Gil  
Hernan Gonzalez  
Sefik A. Hosal  
Kwang Hyun-Kim  
Min-Sik Kim  
Jan Klozar  
Jens Peter Klussmann  
Yoon Woo Koh  
Luiz P. Kowalski  
Thomas Kwok-Seng Loh  
Jean Lacau St Guily  
Stephan Lang  
Kang-Dae Lee  
C. René Leemans  
Yi Li  
Lisa Licitra  
Roberto Lima  
Jean Pascal Machiels  
Antti Makite  
Elizabeth Mathew Iype  
Hisham Mehanna  
Randall Morton  
Piero Nicolai  
James Paul O'Neill  
Metin Onerci  
Carsten Palme  
Christopher F.L. Perry  
Sandro V. Porceddu  
Alexander D. Rapidis  
Marc J. Remacle  
Danny Rischin
# Conference Leadership

<table>
<thead>
<tr>
<th>Richard Shaw</th>
<th>Conrad Timon</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jean-Yves Sichel</td>
<td>Michiel Van Den Brekel</td>
</tr>
<tr>
<td>Christian Heinrich Simon</td>
<td>Vincent Vander Poorten</td>
</tr>
<tr>
<td>Young-Ik Son</td>
<td>Zhuoying Wang</td>
</tr>
<tr>
<td>Giuseppe Spriano</td>
<td>Max Witjes</td>
</tr>
<tr>
<td>Sandro J. Stoeckli</td>
<td>Barbara Wollenberg</td>
</tr>
<tr>
<td>Carlos Suarez Nieto</td>
<td>Seiichi Yoshimoto</td>
</tr>
<tr>
<td>Myung-Whun Sung</td>
<td>Xin Zhang</td>
</tr>
</tbody>
</table>

# Program Committee

<table>
<thead>
<tr>
<th>David J. Adelstein</th>
<th>Wayne M. Koch</th>
</tr>
</thead>
<tbody>
<tr>
<td>Julie E. Bauman</td>
<td>Dennis H. Kraus</td>
</tr>
<tr>
<td>Jonathan J. Beitler</td>
<td>Greg Allen Krempl</td>
</tr>
<tr>
<td>R. Bryan Bell</td>
<td>Quynh-Thu Le</td>
</tr>
<tr>
<td>Carol R. Bradford</td>
<td>Derrick Lin</td>
</tr>
<tr>
<td>Barton F. Branstetter, IV</td>
<td>Fei-Fei Liu</td>
</tr>
<tr>
<td>David M Brizel</td>
<td>Ellie Maghami</td>
</tr>
<tr>
<td>Jeffrey M. Bumpous</td>
<td>Rosemary Martino</td>
</tr>
<tr>
<td>Barbara A. Burtness</td>
<td>Eduardo Mendez</td>
</tr>
<tr>
<td>Amy Y. Chen</td>
<td>Jeffrey N. Myers</td>
</tr>
<tr>
<td>Zhuo (Georgia) Chen</td>
<td>Cherie-Ann O. Nathan</td>
</tr>
<tr>
<td>Christine Chung</td>
<td>Bert W. O’Malley</td>
</tr>
<tr>
<td>Francisco J. Civantos</td>
<td>Karen T. Pitman</td>
</tr>
<tr>
<td>Gary L. Clayman</td>
<td>Harry Quon</td>
</tr>
<tr>
<td>Ezra E.W. Cohen</td>
<td>David Raben</td>
</tr>
<tr>
<td>A Dimitrios Colevas</td>
<td>Gregory L. Randolph</td>
</tr>
<tr>
<td>Marion E. Couch</td>
<td>John A. Ridge</td>
</tr>
<tr>
<td>Terry A. Day</td>
<td>G Jolie Ringash</td>
</tr>
<tr>
<td>Daniel G. Deschler</td>
<td>James Rocco</td>
</tr>
<tr>
<td>David W. Eisele</td>
<td>David I. Rosenthal</td>
</tr>
<tr>
<td>Adel K. El-Naggar</td>
<td>Eben L. Rosenthal</td>
</tr>
<tr>
<td>Ramon Esclamado</td>
<td>Brian L. Schmidt</td>
</tr>
<tr>
<td>Robert L. Ferris</td>
<td>Raja Seethala</td>
</tr>
<tr>
<td>Douglas K. Frank</td>
<td>Tanguy Seiwert</td>
</tr>
<tr>
<td>Neal D. Futran</td>
<td>Eric Sherman</td>
</tr>
<tr>
<td>Adam S. Garden</td>
<td>Lillian L. Siu</td>
</tr>
<tr>
<td>Ralph W. Gilbert</td>
<td>Erich M. Sturgis</td>
</tr>
<tr>
<td>M. Boyd Gillespie</td>
<td>Theodoros N. Teknos</td>
</tr>
<tr>
<td>David Paul Goldstein</td>
<td>Ralph P. Tufano</td>
</tr>
<tr>
<td>Christine G. Gourin</td>
<td>Carter Van Waes</td>
</tr>
<tr>
<td>J Silvio Gutkind</td>
<td>Mark K. Wax</td>
</tr>
<tr>
<td>Patrick Kyongmin Ha</td>
<td>Randal S. Weber</td>
</tr>
<tr>
<td>Robert I. Haddad</td>
<td>William H. Westra</td>
</tr>
<tr>
<td>Ehab Y. Hanna</td>
<td>Stuart Wong</td>
</tr>
<tr>
<td>Sheng-Po Hao</td>
<td>Francis Paul Worden</td>
</tr>
<tr>
<td>Gady Har-El</td>
<td>Wendell Gray Yarbrough</td>
</tr>
<tr>
<td>Chris Holsinger</td>
<td>Sue Yom</td>
</tr>
<tr>
<td>Katherine A. Hutcheson</td>
<td>John Yoo</td>
</tr>
<tr>
<td>Jonathan Irish</td>
<td></td>
</tr>
<tr>
<td>Fadlo R. Khuri</td>
<td></td>
</tr>
</tbody>
</table>

July 16 - 20, 2016 · www.ahns.info
## Scientific Review Committee

<table>
<thead>
<tr>
<th>Amit Agrawal</th>
<th>William M. Lydiatt</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nishant Agrawal</td>
<td>Bernard Lyons</td>
</tr>
<tr>
<td>Rita S. Axelrod</td>
<td>Kelly Michele Malloy</td>
</tr>
<tr>
<td>Richard Bakst</td>
<td>Susan Dixon McCammon</td>
</tr>
<tr>
<td>Nigel J. Beasley</td>
<td>Timothy M. McCulloch</td>
</tr>
<tr>
<td>Isaac A. Bohannon</td>
<td>Vikas Mehta</td>
</tr>
<tr>
<td>James Alan Bonner</td>
<td>Brett A. Miles</td>
</tr>
<tr>
<td>Jay O. Boyle</td>
<td>Oleg Militsa</td>
</tr>
<tr>
<td>Jon N. Burton</td>
<td>Brian Andrew Moore</td>
</tr>
<tr>
<td>J. Kenneth Byrd</td>
<td>Michael Geoffrey Moore</td>
</tr>
<tr>
<td>Joseph Anthony Califano</td>
<td>Mauricio Alejandro Moreno</td>
</tr>
<tr>
<td>Salvatore M. Caruana</td>
<td>Anthony Morlandt</td>
</tr>
<tr>
<td>Douglas B. Chepeha</td>
<td>Larry L. Myers</td>
</tr>
<tr>
<td>Apostolos Christopoulos</td>
<td>David Myssiorek</td>
</tr>
<tr>
<td>John R. de Almeida</td>
<td>Melonie Adia Nance</td>
</tr>
<tr>
<td>Juan Postigo Diaz</td>
<td>Vinh Nguyen</td>
</tr>
<tr>
<td>Laurence J. Dinardo</td>
<td>Brian Nussenbaum</td>
</tr>
<tr>
<td>Vasu Divi</td>
<td>Matthew Old</td>
</tr>
<tr>
<td>Umanaheswar Duvvuri</td>
<td>Kerry D. Olsen</td>
</tr>
<tr>
<td>Peter T. Dziegielewski</td>
<td>Frank Ondrey</td>
</tr>
<tr>
<td>Danny Enepekides</td>
<td>Enver Ozer</td>
</tr>
<tr>
<td>D. Gregory Farwell</td>
<td>Urjeet A. Patel</td>
</tr>
<tr>
<td>Rui Fernandes</td>
<td>Joseph A. Paydarfar</td>
</tr>
<tr>
<td>Michael A. Fritz</td>
<td>Guy J. Petruzzelli</td>
</tr>
<tr>
<td>Joseph Blake Golden</td>
<td>Aron Popovtzer</td>
</tr>
<tr>
<td>Ben Greene</td>
<td>Liana Puscas</td>
</tr>
<tr>
<td>John Greskovich</td>
<td>Rod Rezaee</td>
</tr>
<tr>
<td>Gregory Karl Hartig</td>
<td>Jeremy Richmond</td>
</tr>
<tr>
<td>Wesley L. Hicks</td>
<td>Zoukaa B. Sargi</td>
</tr>
<tr>
<td>Kevin McLoughlin Patrick Higgins</td>
<td>Joseph Scharpf</td>
</tr>
<tr>
<td>Michael L. Hinni</td>
<td>Cecelia Schmalbach</td>
</tr>
<tr>
<td>Henry T. Hoffman</td>
<td>Hadi Seikal</td>
</tr>
<tr>
<td>Mark J. Jameson</td>
<td>David Charles Shonka</td>
</tr>
<tr>
<td>Gina D. Jefferson</td>
<td>Andrew G. Shuman</td>
</tr>
<tr>
<td>Benjamin Judson</td>
<td>Richard V. Smith</td>
</tr>
<tr>
<td>Emad Kandil</td>
<td>Matthew Edward Spector</td>
</tr>
<tr>
<td>Stephen Y. Kang</td>
<td>Sharon A. Spencer</td>
</tr>
<tr>
<td>Jason Kass</td>
<td>Maie St John</td>
</tr>
<tr>
<td>Samir Khariwala</td>
<td>Rathin Subramaniam</td>
</tr>
<tr>
<td>Daniel Knott</td>
<td>John Sunwoo</td>
</tr>
<tr>
<td>Stephen Y. Lai</td>
<td>Rodney J. Taylor</td>
</tr>
<tr>
<td>Miriam Lango</td>
<td>Marita Shan-Shan Teng</td>
</tr>
<tr>
<td>Rom Leidner</td>
<td>Ravindra Uppaluri</td>
</tr>
<tr>
<td>Marshall Levine</td>
<td>Sinha Uttam</td>
</tr>
<tr>
<td>Jan S. Lewin</td>
<td>Harold J. Wanebo</td>
</tr>
<tr>
<td>Timothy S. Lian</td>
<td>Donald T. Weed</td>
</tr>
<tr>
<td>Robert Hart Lindau</td>
<td>Richard J. Wong</td>
</tr>
<tr>
<td>Robert R. Lorenz</td>
<td>Eddy S. Yang</td>
</tr>
</tbody>
</table>
DEDICATED TO
TECHNOLOGICAL EXCELLENCE

JOIN US
Room 4C-2 // Breakfast Symposium
Innovations in Robotic Surgery • Monday, 6:00 AM
Exhibit Hall // Booth #304
See what technological excellence looks like

For Important Safety Information, indications for use, risks, full
cautions and warnings, please refer to davincisurgery.com/safety and
intuitivesurgical.com/safety. © 2016 Intuitive Surgical, Inc. All rights
reserved. PN 1026322 Rev B 7/16
### Conference Leadership

#### CME Compliance & Measurement Committee

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brian B. Burkey, MD, MEd</td>
<td></td>
</tr>
<tr>
<td>John R. de Almeida, MD, MSc</td>
<td></td>
</tr>
<tr>
<td>Jason Anthony Diaz, MD</td>
<td></td>
</tr>
<tr>
<td>Paul L. Friedlander, MD</td>
<td></td>
</tr>
<tr>
<td>Samir Khariwala, MD</td>
<td></td>
</tr>
<tr>
<td>Oleg Militsakh, MD</td>
<td></td>
</tr>
<tr>
<td>Jason G. Newman, MD</td>
<td></td>
</tr>
<tr>
<td>Hadi Seikaly, MD, FRCSC</td>
<td></td>
</tr>
<tr>
<td>Padhya Tapan, MD</td>
<td></td>
</tr>
<tr>
<td>Giovana Thomas, MD</td>
<td></td>
</tr>
<tr>
<td>Trad J. Wadsworth, MD</td>
<td></td>
</tr>
<tr>
<td>Marilene Wang, MD</td>
<td></td>
</tr>
</tbody>
</table>
Keynote Lectures & Symposiums

Hayes Martin Lecture

Ashok R. Shaha, MD

Dr. Shaha is an Attending Surgeon, Professor of Surgery and holds Jatin P. Shah Chair on Head and Neck Service at Memorial Sloan Kettering Cancer Center. Dr. Shaha completed his surgical training in Baroda India, worked at Tata Memorial Hospital and subsequently moved to the U.S. in 1975. After completing his surgical oncology fellowship and residency at Downstate Medical Center he was a head and neck fellow at Memorial Hospital between 1981-1982. He was appointed as an attending surgeon at Downstate Medical Center in 1982 and rose to the rank of Professor of Surgery in 1992. He moved to Memorial Sloan Kettering Cancer Center in 1993 and has been there since.

Dr. Shaha has received several academic awards including Golden Apple Teaching Award, AOA Honor Medical Society and Outstanding Teaching Award at Memorial Sloan Kettering Cancer Center. He was visiting Professor of Society of Head and Neck Surgeons and received distinguished service award from the American Head and Neck Society. He also received distinguished service award from AAO-HNS. He was Co-President of the American Head and Neck Society and has been President of the N.Y. Cancer Society, NewYork Head and Neck Society, NewYork Surgical Society and Brooklyn Surgical Society. He has been on the editorial board of several journals.

He has a deep interest in thyroid cancer and thyroid surgery. He has been academically quite active with more than 500 published peer-reviewed papers and approximately 150 of book chapters. He also performed experimental research on tracheal malacia and tracheal reconstruction. He has dedicated his professional career to the training of the medical students and residents. He was Chairman of the Advance Training Council for head and neck oncology fellowship in the U.S. for 10 years. He has been a frequent guest speaker in several international meetings. He was conference Chair of the 6th International Conference in 2004 and is Director of IFHNOS.

Past Hayes Martin Lecturers

Waun Ki Hong, MD (2008)  Donald P. Shedid, MD (1986)
William Wei, MS (2001)  Edward F. Scanlon, MD (1979)
Blake Cady, MD (1997)  Charles C. Harrold, MD (1975)
Helmuth Goepfert, MD (1995)  Oliver H. Behrns, MD (1973)
John G. Batsakis, MD (1994)  William S. MacComb, MD (1972)
Hayes Martin Biography

Hayes Martin was born in Dayton, a small town in north central Iowa. He attended the University of Iowa at Iowa Falls before being accepted to the medical school in 1913 on the same campus, finishing 4 years later in a class of 20. World War I began in April 1917 while Hayes was in his final year of medical school. Many of his classmates at the medical school were in the Army ROTC units; however, Dr. Martin opted for the Navy, which he joined on the day America entered the war. He traveled to Europe on the USS Arkansas and was assigned to his permanent duty station at the U.S. Navy Air Station, La Trinite Sur Mer, France – a small seaside village on the southern coast of Brittany. The purpose of this base was antisubmarine warfare using blimps and kite balloons. Dr. Martin was made commanding officer of the air station for a brief period of time when the line officer in charge had become ill; it was a unique position for a medical officer in the Navy to take command during wartime.

After the war, Dr. Martin returned to the U.S and sought out an internship at the old Poly Clinic Hospital in New York City, which was temporarily made into a Veteran’s Administration hospital. Part of his internship was spent at Bellevue in the fourth surgical division, where he felt he would have the best possible training in general surgery. The chief of the second division was John A. Hartwell, MD, the distinguished surgeon memorialized by the Fellow’s Room in the library of the New York Academy of Medicine. Dr. Hartwell suggested that Dr. Martin go to Memorial Hospital to learn about cancer.

Dr. Martin received an internship at Memorial in the summer of 1922 and stayed on as a resident until 1923. He then had two years at the second surgical service at Bellevue, where he operated to his heart’s content and got the surgical education he so strongly desired. Once he finished his residency, Dr. Martin returned to Memorial where he joined as clinical assistant surgeon on the staff.

Dr. Martin made the use of aspiration biopsy on all solid tumors popular throughout Memorial. Now, this procedure is done throughout the world. Dr. Martin co-authored the first report on the subject published in the Annals of Surgery. Numerous other articles followed, including Dr. Martin’s two most famous publications, “Cancer of the Head and Neck,” published in two issues of the Journal of the American Medical Association in 1948, and “Neck Dissection,” appearing in Cancer in 1951. These two papers were so extensively requested that the American Cancer Society made reprints by the thousands available to those who requested them as many as 20 years after publication. Dr. Martin’s bibliography encompasses more than 160 articles.

In 1934, Dr. Martin was appointed Chief of the Head and Neck Service at Memorial Hospital. It wasn’t until 1940 that surgery began to take over as the treatment of choice for the majority of cancers of the head and neck. In that year, the beginnings of improved anesthesia permitted advances in surgery. Later, during World War II, antibiotics became available and surgery began to dominate much of head and neck cancer management. Dr. Martin wrote extensively on many subjects, most within the realm of head and neck surgery. His ideal was to be the complete head and neck surgeon and he treated a wide variety of head and neck abnormalities. His book, Surgery of the Head and Neck Tumors, was published in 1957.

Dr. Martin retired from active practice in 1957 at the age of 65. He performed his last operation at Memorial Hospital, assisted by Dr. Elliot Strong, in October 1959, but continued to see patients in his office until he passed away in 1977.
John J. Conley Lecture

Robert S. Bell, CM, MSc, MD, FRCSC

Dr. Robert Bell was appointed Deputy Minister of Health and Long-Term Care, effective June 2, 2014. Prior to this role, he served as President and Chief Executive Officer of University Health Network for nine years. He was previously the Chief Operating Officer at Princess Margaret Hospital and Chair of both Cancer Care Ontario’s Clinical Council and the Cancer Quality Council of Ontario.

Dr. Bell received his Doctor of Medicine from McGill University and a Master of Science from the University of Toronto. He also completed a Fellowship in Orthopaedic Oncology at Massachusetts General Hospital and Harvard University. Dr. Bell is a Fellow of the Royal College of Physicians and Surgeons of Canada, the American College of Surgeons and an Honourary Fellow of the Royal College of Surgeons of Edinburgh.

An internationally recognized orthopedic surgeon, health care executive, clinician-scientist, and educator, Dr. Bell brings more than 30 years of health care experience to his current role.

Past John J. Conley Lecturers

<table>
<thead>
<tr>
<th>Year</th>
<th>Lecturer</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015</td>
<td>Carolyn Dresler, MD</td>
</tr>
<tr>
<td>2014</td>
<td>Kenneth I. Shine, MD</td>
</tr>
<tr>
<td>2013</td>
<td>James F. Battey Jr., MD</td>
</tr>
<tr>
<td>2012</td>
<td>David C. Leach, MD</td>
</tr>
<tr>
<td>2011</td>
<td>Jonathan D. Moreno, MD</td>
</tr>
<tr>
<td>2010</td>
<td>Rabbi David Saperstein</td>
</tr>
<tr>
<td>2009</td>
<td>Edward Hughes, MD</td>
</tr>
</tbody>
</table>

John J. Conley Biography

Although he looked and sounded like an English nobleman, Dr. John Conley was born in Carnegie, Pennsylvania, a small steel mill town just outside of Pittsburgh. He graduated from the University of Pittsburgh and later its school of medicine. He interned at Mercy Hospital in Pittsburgh. During that year, the nuns who ran the hospital suggested that Dr. Conley take a residency in cardiology and come back to Mercy as their cardiologist.

He went to Kings County Hospital in Brooklyn, a very busy city hospital with a huge patient population. Shortly after he began his training, he had an arrhythmia diagnosed as paroxysmal atrial tachycardia. Little was known about this benign condition at that time. Dr. Conley was told that cardiology was too stressful and that he should go into an easier, less-stressful field with better working hours, like ENT. He did an otolaryngology residency at Kings County Hospital. This was followed by four years of military service during World War II, which included experience in otolaryngology and plastic and reconstructive and maxillofacial surgery in the U.S. Army Medical Corps, both in this country and in the South Pacific theater. Exposure to the construction of war wounds would prove invaluable to him later on in applying these principles to reconstruction following ablative head and neck surgery.

Dr. Conley returned to New York City after the war. He became an assistant and then an associate of Dr. George T. Pack, a technically superb general oncologic surgeon at Memorial Hospital who taught Dr. Conley major ablative surgery of the head and neck. They worked day and night catching up with the backlog of surgery that was neglected during the war years. The combination of his training in otolaryngology, the exposure to ablative surgery, and the World War II experience in reconstructive surgery set the stage for Dr. Conley to evolve his unique approach to head and neck surgery.

Ironically, despite the admonition of the cardiologists about hard work, Dr. Conley did a prodigious amount of major head and neck reconstructive surgery.
Keynote Lectures & Symposiums

This proved to be more than ample to provide training to many fellows. His commitment to education is further attested to by the position he held for many years as Clinical Professor of Otolaryngology at the College of Physicians and Surgeons at Columbia University. He loved his appointment at Columbia and particularly his involvement in teaching the residents.

Dr. Conley's vast surgical experience, together with active research interests, led to the authorship of almost 300 contributions to the scientific literature, and eight books. As a result of his productivity and rhetorical eloquence, he was very much in demand as a speaker in this country and abroad. He gave many prestigious eponymous lectures in our field and received many awards for his work, including the Philip H. Hench Award as the Distinguished Alumnus of the University of Pittsburgh School of Medicine, and the DeRoaldes and Newcomb Awards of the American Laryngological Association.

Dr. Conley's contributions to the scientific literature, many technical innovations and surgical experience placed him in the position to receive many honors and important leadership positions, such as President of the American Academy of Otolaryngology and Ophthalmology, member of the Board of Governors of the American College of Surgeons, founding member of the Society of Head and Neck Surgeons, and founding member and first President of the American Society for Head and Neck Surgery. During those years, Dr. Conley used, to the great benefit of us all, his wisdom and diplomacy in carrying out such high-level responsibilities.

Christopher O’Brien Lecture

Mark Shrime, MD, MPH, PhD

Mark G. Shrime, MD, MPH, PhD, FACS is an Assistant Professor of Otolaryngology and of Global Health and Social Medicine at the Harvard Medical School. He serves as the Research Director at the Program in Global Surgery and Social Change at the Harvard Medical School. In addition, he is an otolaryngologist at the Massachusetts Eye and Ear Infirmary, and associate faculty at Ariadne Labs.

His academic pursuits focus on surgical delivery in low- and middle-income countries, where he has a specific interest in the intersection of health and impoverishment. His work aims to determine optimal policies and platforms for surgical delivery that maximize health benefits while simultaneously minimizing the risk of financial catastrophe faced by patients.

Dr. Shrime graduated summa cum laude from Princeton University in 1996 with a BA in molecular biology. He received his MD from the University of Texas in 2001, after taking a year to teach organic chemistry in Singapore. Medical school was followed by a residency in otolaryngology at the joint Columbia/Cornell program in Manhattan, followed, in turn, by a fellowship in head and neck surgical oncology at the University of Toronto in 2007. He completed a second fellowship in microvascular reconstructive surgery, also at the University of Toronto, in 2008. He was the first to identify a novel independent prognostic indicator in head and neck cancer.

To date, he has worked and taught in Liberia, Sierra Leone, Guinea, Benin, Togo, Congo, Haiti, Saudi Arabia, and Madagascar. In May, 2011, he graduated with an MPH in global health from the Harvard School of Public Health, where he was a finalist for both the Albert Schweitzer award and the HSPH Student Recognition award, and in May, 2015, he received his PhD in health policy from Harvard University, with a concentration in decision science.
Christopher O’Brien, MD Biography

Professor O’Brien led a life unparalleled by many. He graduated in medicine from the University of Sydney in 1976 and then completed his residency and surgical training at Royal Prince Alfred Hospital. He decided to specialize in head and neck surgery and undertook clinical fellowships in head and neck surgery and oncology at the Royal Marsden Hospital, in England and at the University of Alabama, USA, returning to Australia in 1987 to join the staff of RPAH as a consultant head and neck surgeon. There he contributed to the expansion of the clinical service, making it one of the largest in the country, and also established a comprehensive head and neck database. That database is the largest in Australasia and one of the largest in the world.

He also established a basic research program and an international clinical fellowship program under the umbrella of the Sydney Head and Neck Cancer Institute, which he founded in 2002.

Professor O’Brien had two postgraduate degrees from the University of Sydney – a Masters of Surgery for his basic research in microvascular surgery and a Doctorate in Medicine for his work on the management of metastatic cancer in the neck.

He was the author of over one hundred scientific papers and 17 book chapters and he has been honoured with invitations to many countries and institutions as a visiting professor and guest lecturer, including invitations to give numerous prestigious named lectures: the Hayes Martin Lecture in Washington in 2004, the Eugene Myers International Lecture in Los Angeles 2005, the inaugural Jatin P Shah Lecture in Prague 2006 and the Semon Lecture in London 2008. He was also made an Honorary Fellow of the Royal College of Surgeons of England in recognition of his contribution to the training of young British surgeons. His published works contributed significantly to our understanding of the patterns of metastatic spread of cutaneous malignancies and their management.

In 1998, Professor O’Brien founded the Australian and New Zealand Head and Neck Society, a multidisciplinary society comprising of surgeons of all disciplines, radiation and medical oncologists and allied health professionals. He was President in 2004. He served on Council of the AHNS from 2005-2008. He was a founding member of the International Federation of Head and Neck Oncologic Societies, and served on its council throughout his active career.

In 2003 Professor O’Brien became Director of the Sydney Cancer Centre, based at Royal Prince Alfred Hospital and the University of Sydney, while maintaining all of his clinical, teaching and research responsibilities. He has developed a proposal to transform the Sydney Cancer Centre into a $250 million world-class comprehensive cancer centre, supported by the Government and philanthropic funds raised by him. This dedicated Head and Neck Cancer centre will be called, “Life House – The Chris O’Brien Cancer Centre”.

Professor O’Brien was diagnosed with glioblastoma multiforme in 2006 and although his initial treatment was successful, after a valiant and courageous battle, he passed away on June 4, 2009.

Professor O’Brien was widely known to the people of Australia for his many appearances on the award winning reality TV program RPA. He was made a Member the Order of Australia (AM) for his services to medicine, on Australia Day in 2005. He was to receive the highest civilian Honor, AO, (Officer of the Order of Australia), from the Prime Minister of Australia, on the Queen’s Birthday celebrations, in the first week of June, but unfortunately, he passed away, only hours before the ceremony. This Honor was bestowed upon him posthumously, and was received by Mrs. Gail O’Brien.

His book entitled Never Say Die depicted his personal battle with cancer and also served as an inspiration to those suffering from all forms of cancer.

In 2008, AHNS established the Professor Chris O’Brien Fund, which in part, sponsors the AHNS/ANZHNS Chris O’Brien Travelling Fellowship Award, an award to encourage international exchange of information concerning surgical science, practice, and education and to establish professional and academic collaborations and friendships. The first recipient of this award is Professor Carsten Palme and...
Keynote Lectures & Symposiums

the second recipient is Sandro Porceddu, MD. The International Federation of Head and Neck Oncologic Societies established “The Chris O’Brien Symposium” at its quadrennial congress, the first of which was presented in Seoul, Korea, during the 4th World Congress of IFHNOS.

Professor O’Brien, fondly called by his family and friends “Dr. Gorgeous” is survived by his wonderful wife, Gail, and their three children, Adam, Juliette and James, who dearly loved him.

If you would like to make a donation to the AHNS Chris O’Brien Fund, please go to http://www.ahns.info/foundation/pledge.php.

Milton J. Dance Symposium: Optimizing Survivorship – Prevention Through Late Effects

Join us on Tuesday, July 19, 2016 from 7:30am - 9:00am for this special symposium has been sponsored by the Milton J. Dance Center, a private not-for-profit facility in Baltimore with a long commitment to patient-centered care. This sponsorship has allowed us to invite expert guest speakers who represent the leading edge of interventional survivorship research around the world. We will focus on practical interventions that can be employed to prevent, support and reverse toxicities that have important implications for survivors of head and neck cancer.

Milton J. Dance, Jr. Biography

Through the Provision of Greater Awareness and Medical Resources, Milton “Laddie” and Jeanne shared their dream – that other cancer patients and their loved ones would see their future as an opportunity for hope and peace of mind.

In 2003, an estimated 1.3 million people in the U.S. will be given the devastating news that they have some type of cancer. About 5% of them will be told that it is cancer of the head or neck, one of the most devastating types of cancer because its effects are the most visible and even audible.

Thanks to Milton J. ‘Laddie’ Dance and his wife, Jeanne Vance, fewer and fewer of these individuals will face this news without hope.

While today there are many sources of support groups to aid cancer patients in their search for further education, alternative therapies, hope and comfort, over 20 years ago, when Laddie and his wife, Jeanne, discovered that he had throat cancer, there seemed to be little support available. “Back then, you went to the doctor, obtained the diagnosis, had your surgery or therapy and that was about it,” explains Ms. Vance. “It seemed so cold. We felt so alone, with no recourse, no support, no hope. But we accepted it. You didn’t ask any questions, you just did what you were told. The realm of our understanding of the scope of the disease, how to deal with it, and the course it could take was so limited back then. We needed more.”

By nature, Laddie was a mover, a shaker and even a bit of a rabble-rouser at times, many would say. For a man who traveled in the circles of high society, politics and influential people, he was very well grounded — an enigma, several have called him. But that’s what made him unique. That’s what made him Laddie. He couldn’t stop moving. Nothing seemed to stop or dampen his spirit and certainly not a bout with cancer, or so it seemed. Cancer has this way about it, eating away at your heart and gnawing at your soul, unless of course, you do something about it. And that’s what Ms. Vance and Laddie did.

When Laddie was first diagnosed with cancer, he didn’t know just how lucky he would eventually be. He didn’t know that after two separate cancer occurrences, he would be completely ‘cancer-free” for the next 27 years. So, while publicly he donned his high spirit and zest for life, privately he and his wife experienced the same fearful thoughts, sadness, anger and self-doubt that many cancer patients and their families do. “No one should endure these feelings alone without understanding and a helping hand,” emphasizes Ms. Vance. It was these very
Keynote Lectures & Symposiums

same feelings of loneliness and helplessness that motivated Ms. Vance to take action in laying the groundwork for the future Milton J. Dance Jr. Head and Neck Rehabilitation Center.

After lengthy discussions with their lawyer, Lee Thomas, a noted GBMC otolaryngologist, Alvin Wenger, MD, and his head and neck surgeon, Robert Chambers, MD, an endowment was formed to fund a head and neck rehabilitation and cancer clinic. The main purpose of the endowment was to fund a center that would help educate and rehabilitate head and neck cancer patients while improving their quality of care and service. The Center still does this 23 years later.

Now directed by John R. Saunders, MD, the Milton J. Dance Jr. Head and Neck Rehabilitation Center Director, the Center has grown to serve an average of 100 cancer patients a year with a staff of 12 full- and part-time dedicated healthcare specialists. Their integrated and comprehensive approach to educate, rehabilitate and serve patients includes a core team and ancillary professionals. The core team consists of a medical director, surgeon, nurse, social worker and speech and language pathologists who provide introductory and primary care. Additionally, satellite staff utilize the expertise of respiratory and physical therapists, nutritionists, vocational rehabilitation and psychiatric services. “We're with you for life,” says Linda Clarke, RN, MS, CORLN, Head and Neck Rehabilitation nurse and 20-year veteran of the Center. “We work hard to combine as many disciplines as possible — surgical, medical, and radiation oncology, dentistry, speech-language pathology, nursing, social work and much more to offer complete services to our patients.” While some of the needs of head and neck cancer patients are similar to those of other disabled individuals, there are many unique problems, which call for a different approach.

According to John Saunders, MD, Center Director, “Our team of specialists at the Center work closely together to provide the highest level of coordinated services for the best possible outcome. Once their needs are identified, patients are dealt with more expeditiously through an integrated and coordinated team approach. This results in a more comprehensive rehabilitation program which includes the family, and is also timely, sensitive, customized and complementary to the patients needs.”

Jeanne Vance's and Laddie Dance's dream for cancer patients to see their future as an opportunity for hope and peace of mind is realized every day by the patients at the Milton J. Dance Jr. Head and Neck Rehabilitation Center. It achieved what they set out to do: alleviate fear of the word ‘cancer’ as well as the disease itself.

People say you’ll live a lot longer if you think positive, have fun and laugh more. This was so true of Laddie Dance who lived a full and prosperous 76 years. Last November, Laddie died of a heart attack at his home in Manalapan, Florida, and is truly missed by his family, friends, and many Baltimoreans. However, his philanthropy and personal outreach to cancer victims and their families will live on forever.

A prominent race horse auctioneer and co-owner of 2000 champion older horse, Lemon Drop Kid, Laddie Dance saw life and the world as an opportunity...time that shouldn’t be wasted on feeling sorry for oneself. “This was frequently evidenced by the spirit in his voice when he called an auction and the gleam in his eye when he saw a great horse, beautiful women or fantastic business opportunity,” remarks his wife Jeanne.

Laddie Dance frequently shared his vitality for life with cancer patients he met at annual head and neck rehabilitation conferences held by the Dance Center. He liked to share stories and anecdotes of his life experiences rather than dwell on things that were beyond his control. Laddie's life and philanthropy were of particular significance to Andy Szulinski, a former radio announcer for WFBR and the first patient treated at the Center. “We accidentally met on a plane coming back from the West Coast, says Mr. Szulinski.” “You know how it is. When you have surgical scars, you tend to spot the same kind of scars on other people. The plane landed, Laddie came up to me and we started talking. He made me feel like I was the most important guy on earth...like somebody cared and that I wasn’t alone. You’ll never find a guy with a more positive attitude. He is not a quitter.”

When asked if he felt his ‘accidental’ meeting with Laddie was a coincidence or fate, Mr. Szulinski profoundly replied, “I don’t think that there are any coincidences in life. Everything happens for a reason. Coincidence is a term that people use
when they fail to believe that there is a higher power.” “Meeting Laddie was the icing on the cake,” Mr. Szulinski adds. “It completed the circle for me. I had met someone who helped me recover from surgery. I was gratified and humbled through his generosity, which directly affected my recuperation process. I was particularly grateful that all of the recuperative therapies were intertwined. Knowing that I was going to have the kind of support provided to me by the Center made a huge difference to me, because there isn’t a lonelier feeling on earth than finding out you have cancer. The whole caring atmosphere was like getting a package beautifully gift-wrapped. You felt like you weren’t alone. The feeling you get from the Center is extremely positive, a feeling like … we are going to beat this thing and you are going to live a normal life.”

Others who knew Laddie also remember his confident and assertive attitude. “Laddie always had a remarkable presence and spirit about him. He was opinionated and firm about his beliefs. When he took a stand, he never backed down. A real man's man, he was,” says Lee Thomas, Laddie’s long-time friend and lawyer. “It seemed like Laddie knew everybody, thousands of people. He was well-known and thought of throughout the Baltimore-Washington region and up and down the East Coast as a racing horse expert and top-notch auctioneer.”

Laddie knew horse breeds and lines better than some people know their own relatives. He was good at it because he did his homework. A 45-year employee of Fasig-Tipton, he loved and knew the art of auctioneering inside out. Auctioneering came to him naturally though, probably because his father, Milton J. Dance, Sr. was also a veteran of the profession.

Laddie had the good fortune of not having to worry about money, but he was in no way an elitist. “You’d be just as likely to see him chatting with those who cleaned the stable as the owner of the track,” says Mr. Thomas. “Nor was he political. He was very clear about what he liked, and how he felt, and he didn’t mince words. You always knew where you stood with him and that is probably what made him so special. What you saw, is what you got.” What Baltimore’s healthcare community received was the benefit of the Dance endowment’s great philanthropy as well as decisive thoughts on the purpose and value offered through a head and neck rehabilitation center for cancer victims.

For this, the Greater Baltimore Medical Center is very grateful and would like to sincerely thank Ms. Vance and Laddie Dance for their philanthropy and outreach to cancer patients. We look forward to serving more cancer patients and helping them to survive and cope through stronger and better medical/social services, advanced technology, research, education and cancer maintenance programs.

Keynote Lecture

Curt Cronin

Over 16 years as a Navy SEAL, Curt deployed thirteen times and spent more than four years overseas. In that time, he honed his talent as a catalyst for transformation. Curt’s passion is to engage each person, team, or organization’s highest aspirations and help them connect to the hero within. He is an expert at maximizing human potential and synthesizing the strengths of a team to create unprecedented results in any context. His presentations address the art of leadership, organizational change for the information age, and the talent of harnessing your own courage and heroism to inspire and empower individuals and teams.

During more than a decade of combat operations to eighteen countries throughout the PACIFIC and CENTCOM areas of operation, Curt lead the nation’s Premier SEAL assault force and maximized their effectiveness by forging unique and unlikely alliances; he transformed an offensive unit of Navy SEALs into a defensive Presidential protection unit in the midst of combat; and he single-handedly created the model for multi-disciplinary counter-terrorism operation out of a widely disparate patchwork of organizations as part of an Embassy team in the Middle East. These experiences have reinforced Curt’s fundamental belief that the competitive edge for any organization in the information age is neither technology nor information; rather, it is the unparalleled power of an aligned team.
In today's dynamic environment milliseconds make the difference between life and death, winning and losing. The speed and volume of global communications generates complex second- and third-order ripple effects for every action. Companies simply cannot address such complexities on a case-by-case basis. Rather, the organization and each individual must be aligned by a common purpose and an unparalleled belief that they can achieve their objective. Curt's expertise is in identifying and developing the talents of each member of a team and uniting them through shared ownership of the mission. He creates teams empowered to act decisively in any environment because they embody both the content and the context of the leader's vision.

Curt is a lifetime learner. In addition to co-founding Mastery Technologies, Inc. with fellow warrior and life-long friend Jay Ferraro (The Shrink), a global talent solutions firm committed to Igniting the Human Spirit to Achieve Exceptional Performance, Curt is a featured speaker on the national circuit. He graduated 5th in his class at the United States Naval Academy. He was awarded the Bronze Star with Valor, Bronze Star medal, and three Distinguished Meritorious Service Medals while serving in the U.S. Navy. He then began his entrepreneurial career with General Stan McChrystal and the McChrystal Group where he served as a managing partner in transformational consulting for two years with companies such as AOL and Hewlett-Packard. He received his MBA at a combined program from the London School of Economics, New York University's Stern School of Business, and the HEC school of Management in Paris. He is married to his wife, Julia, and has three children, Conner, Rachel, and Abby.

**Keynote Lecture**

**Dave Williams, MD**

Dafydd Rhys “Dave” Williams OC (born May 16, 1954) is a Canadian physician and a retired CSA astronaut. Williams was a mission specialist on two space shuttle missions. His first spaceflight, STS-90 in 1998, was a 16-day mission aboard Space Shuttle Columbia dedicated to neuroscience research. His second flight, STS-118 in August 2007, was flown by Space Shuttle Endeavour to the International Space Station. During that mission he performed three spacewalks, becoming the third Canadian to perform a spacewalk and setting a Canadian record for total number of spacewalks. These spacewalks combined for a total duration of 17 hours and 47 minutes.

In 1998, Williams became the first non-American to hold a senior management position within NASA, when he held the position of Director of the Space and Life Sciences Directorate at the Johnson Space Center.

He attended high school in arber Beaconsfield, Quebec and earned a B.Sc in from McGill University, Montreal, in 1976, a master of science degree in physiology, MD, and master of surgery degrees from McGill University, Montreal, in 1983. He completed a residency in family practice in the faculty of medicine, University of Ottawa, in 1985 and obtained fellowship in emergency medicine from the Royal College of Physicians and Surgeons of Canada, following completion of a residency in emergency medicine at the University of Toronto, in 1988.

Williams received postgraduate training in advanced invertebrate physiology at the Friday Harbor Laboratories of the University of Washington. Subsequently, his interests switched to vertebrate neurophysiology when, for his master’s thesis, he became involved in basic science research on the role of adrenal steroid hormones in modifying the activity of regions within the central nervous system involved in the regulation of sleep-wake cycles. While working in the Neurophysiological Laboratories at the Allan Memorial Institute for Psychiatry, he assisted in clinical studies of slow wave potentials within the central nervous system.

His clinical research in emergency medicine has included studies evaluating the initial training and skill retention of cardiopulmonary resuscitation skills, patient survival from out-of-hospital cardiac arrest, the early identification of trauma patients at high risk, and the efficacy of tetanus immunization in the elderly.

In 1988 he became an emergency physician with the department of emergency services at Sunnybrook Health Science Centre as well as a lecturer with the
Department of Surgery at the University of Toronto. He served as a member of the Air Ambulance Utilization Committee with the Ontario Ministry of Health both as an academic emergency physician and later as a representative of community emergency physicians. In addition, he has trained ambulance attendants, paramedics, nurses, residents, and practicing physicians in cardiac and trauma resuscitation as a course director in Advanced Cardiac Life Support (ACLS) with the Canadian Heart and Stroke Foundation and in Advanced Trauma Life Support with the American College of Surgeons.

From 1989 to 1990, he served as an emergency physician with the Emergency Associates of Kitchener-Waterloo and as Medical Director of the Westmount Urgent Care Clinic. In 1990 he returned to Sunnybrook as Medical Director of the ACLS program and coordinator of postgraduate training in emergency medicine. Subsequently, he became the Acting Director of the Department of Emergency Services at Sunnybrook Health Science Centre, Assistant Professor of Surgery, University of Toronto, and Assistant Professor of Medicine, University of Toronto. He remains active in life science and space medicine research, both as a Principal Investigator and as a Co-Investigator.

In April 2008, Williams was recruited by McMaster University as physician scientist where he was the director for the new McMaster Centre for Medical Robotics at St. Joseph’s Healthcare Hamilton.

On May 18, 2011, Williams became the new President and CEO of Southlake Regional Health Centre to lead the facility into becoming a full-fledged teaching and research centre.

Williams was selected by the Canadian Space Agency in June 1992. He completed basic training and in May 1993 was appointed manager of the Missions and Space Medicine Group within the astronaut program. His collateral duty assignments have included supervising the implementation of operational space medicine activities within the astronaut program and the coordination of the Canadian Astronaut Program Space Unit Life Simulation (CAPSULS) Project. In February 1994 he participated in a 7-day space mission simulation. During this CAPSULS Project he was the Principal Investigator of a study to evaluate the initial training and retention of resuscitation skills by non-medical astronauts. He was also assigned as one of the crewmembers and acted as the crew medical officer. He announced his retirement as an astronaut on 29 February 2008, effective from 1 March 2008.

NASA experience

In January 1995, Williams was selected to join the 1995 international class of NASA mission specialist astronaut candidates. He reported to the Johnson Space Center in March 1995 and completed training and evaluation in May 1996. On completing basic training, he was assigned to work technical issues for the payloads/habitability branch of the astronaut office.

From July 1998 to November 2002, Williams served as Director of the Space and Life Sciences directorate with responsibility for research in both physical and biomedical space sciences at the Johnson Space Center (JSC). With this appointment, he became the first non-American to hold a senior management position within NASA. Overall crew medical safety was one of his principal concerns, in addition to flight medical operations and JSC occupational and environmental health. His programs were directed toward protecting astronauts from the hazards of the space environment, including space radiation and microgravity, in addition to maintaining their medical, physical, and psychological well-being while aloft and on return to Earth. His other oversight responsibilities were in the fields of telemedicine, 3-D tissue culture/regeneration in microgravity, the curatorial management of extraterrestrial materials, and of qualifying humans for very long space journeys and ensuring their safe return to Earth.

Williams served as an aquanaut on the first NEEMO (NASA Extreme Environment Mission Operations) crew aboard the Aquarius underwater laboratory in October 2001. During this mission, he was thrilled to shake hands underwater with Canadian underwater explorer Joe MacInnis. Williams was originally scheduled to command NEEMO 7 in October 2004, but was replaced by back-up crewmember and fellow CSA astronaut Robert Thirsk due to Williams undergoing review of a temporary medical issue. In April 2006, Williams commanded the NEEMO 9 mission. During this eighteen-day mission, the six-person crew developed lunar surface exploration procedures and telemedical technology applications.
Committed to advancing the science of oncology

Come visit us at our booth
Williams was mission specialist 3 on STS-90 Neurolab (April 17 to May 3, 1998). During the 16-day Spacelab flight, the seven-person crew aboard space shuttle Columbia served as both experiment subjects and operators for 26 individual life science experiments focusing on the effects of microgravity on the brain and nervous system. The STS-90 flight orbited the Earth 256 times, covered 6.3 million miles, and logged Williams over 381 hours in space.

Williams was assigned to the crew of STS-118 (August 8 to 21, 2007), an assembly mission to the International Space Station. He completed three spacewalks during this mission, and set two new records during his final EVA on Saturday, 18 August: he is the Canadian with the most spacewalks (3); and he passed Canadian Astronaut Chris Hadfield in total EVA time. Williams ended Saturday's EVA with a total of 17 hours, 47 minutes of extravehicular time. He was the second Canadian to lead an EVA, after Chris Hadfield, who led an EVA during STS-100.

Awards and Honours
He is a member of the College of Physicians and Surgeons of Ontario, the Ontario Medical Association, the College of Family Physicians of Canada, the Royal College of Physicians and Surgeons of Canada, the Canadian Association of Emergency Physicians, the Aerospace Medical Association, the Canadian Society for Aerospace Medicine, and the Canadian Aeronautics and Space Institute. Past affiliations include the Society for Neuroscience, the New York Academy of Science, and the Montreal Physiological Society.

Williams was awarded the Commonwealth Certificate of Thanks in 1973 and the Commonwealth Recognition Award (1975) for his contribution to the Royal Life Saving Society of Canada. Academic awards include the A.S. Hill Bursary, McGill University, in 1980; the Walter Hoare Bursary, McGill University, in 1981; and the J.W. McConnell Award, McGill University, from 1981 to 1983. He was named Faculty Scholar in 1982 and University Scholar in 1983 by the faculty of medicine at McGill University. In 1983, he also received the psychiatry prize and the Wood Gold Medal from the Faculty of Medicine and was named on the dean's honor list by the physiology department, at McGill University, for his postgraduate research. He was twice awarded the second prize for his participation in the University of Toronto Emergency Medicine Research Papers Program, in 1986, and 1988, and received top honors in that competition in 1987.

Williams was made an Officer of the Order of Canada in 2013 for his work in space exploration.

Personal life
Williams was born in Saskatoon, Saskatchewan and is married to Cathy Fraser of Pointe-Claire, Quebec. They have two children, Evan (born in 1994) and Olivia (born in 1997) and a nephew, Theo (born in 2003). He enjoys flying, scuba diving, hiking, sailing, kayaking, canoeing, downhill and cross-country skiing. As his name indicates, he is of Welsh descent.
Jatin P. Shah Symposium & Biography

Professor Jatin P. Shah graduated from the Medical College of MS University in Baroda, India, and received his training in Surgical Oncology and Head and Neck Surgery at Memorial Sloan Kettering Cancer Center. He is Professor of Surgery, at the Weil Medical College of Cornell University, and Chief of the Head and Neck Service, Leader of the Head and Neck Disease Management Team, and holds The Elliott W. Strong Chair in Head and Neck Oncology at Memorial Sloan-Kettering Cancer Center in New York City.

Dr. Shah is a national and international leader in the field of head and neck surgery, having served as President of The New York Cancer Society, The New York Head and Neck Society, The Society of Head and Neck Surgeons, The North American Skull Base Society and the International Academy of Oral Oncology. He is Founder of The International Federation of Head and Neck Oncologic Societies, in 1986. He currently serves as Chairman of the AJCC task force on Head and Neck. He was Chairman of the Joint Council for advanced training in head and neck oncologic surgery in the USA. He was also Chairman of the 4th International Conference on Head and Neck Cancer in Toronto in 1996. He has served in varying capacities for The American Board of Surgery, and the American College of Surgeons.

Professor Shah has been the recipient of numerous awards from various parts of the world, and is the recipient of honorary fellowships from The Royal College of Surgeons of Edinburgh, London and Australia. He holds Honorary PhD, degrees from the Catholic University of Louvain, in Belgium and the University of Athens, in Greece. He is recipient of the Blokhin Gold medal, the highest Honor in Oncology in Russia. He has been elected as an honorary member of several head and neck societies in Europe, Asia, Australia, Africa and Latin America. He has been continuously listed in the “Best Doctors in America” directories for several years. He serves on the Editorial and Review Boards of 18 scientific journals and has published over 300 peerreviewed articles, 50 book chapters and 7 books. His textbook of Head and Neck Surgery and Oncology won First Prize from The British Medical Association and The Royal Society of Medicine and was awarded the George Davey Howells Prize from the University of London, for the best published book in otolaryngology in the preceding five years.

He is a much sought after speaker who has delivered over 1,000 scientific presentations including, 59 eponymous lectures and keynote addresses, and visiting professorships in the United States, Canada, United Kingdom, Scotland, Sweden, Belgium, Germany, Italy, Spain, Poland, Russia, Croatia, Turkey, Egypt, South Africa, India, China, Korea, Japan, Hong Kong, Taiwan, Singapore, Phillipines, Australia, Argentina, Brazil, Chile, Peru, Equador, Venezuela, Panama, and Mexico.

In recognition of his outstanding contributions, and World Leadership in Head and Neck Surgery, Memorial Sloan Kettering Cancer Center, has established The “Jatin Shah Chair in Head and Neck Surgery and Oncology”; The International Federation of Head and Neck Oncologic Societies has established “The Jatin Shah Lecture”; at its world congresses, and the American Head and Neck Society has established the “Jatin Shah Symposium” at its annual meeting.
Guests of Honor

President’s Guest of Honor

Harvey M. Tucker, MD

Harvey M. Tucker MD FACS is currently Professor of Otolaryngology/Head and Neck Surgery at Case Western Reserve University School of Medicine. He has a B.S. In Zoology from Bucknell University and M.D. from Jefferson Medical College of Philadelphia. His Fellowship Year in Head and Neck Surgery was with Dr Joseph Ogura at Washington University of St Louis, MO.

He served as an Associate Professor of Otolaryngology At Upstate Medical Center, Syracuse, NY until he became Chairman of Otolaryngology and Communicative Disorders at The Cleveland Clinic in 1975. He continued in that position until 1993, when he became Professor of Otolaryngology at Case Western Reserve University, which position he holds to this day. He continues to practice half time at both MetroHealth Medical Center of Cleveland and the VA hospital, remaining active in the Residency program at those institutions. Although he has authored over 170 Journal articles, 45 textbook chapters, and 3 textbooks, it has been the privilege to be involved in the education of more than 135 residents and fellows that has kept him engaged in Otolaryngology for the last 45 years.
Guests of Honor

Conference Chair Guest of Honor

Patrick J. Gullane, CM, OOnt, MB, FRCSC, FACS, FRACS (Hon), FRCS (Hon), FRCSI (Hon)

Dr Patrick Gullane was born in Ireland and received his medical degree from NUI-Galway, Ireland in 1970. He is a Fellow of the Royal College of Surgeons of Canada and certified by the American Board of Otolaryngology-Head and Neck Surgery. In 1975 he was selected as the McLaughlin Fellow and then pursued advanced Fellowship training in Head and Neck Oncology in Pittsburgh, and New York.

In 1978 Dr. Gullane was appointed to the Department of Otolaryngology-Head and Neck Surgery at the University of Western Ontario, Canada. He was subsequently recruited to the Department of Otolaryngology-Head and Neck Surgery at the University of Toronto in 1983. He currently holds the Wharton Chair in Head and Neck Surgery at the University Health Network and University of Toronto. In 1989 he was appointed as Otolaryngologist-in-Chief within the University Health Network and in 2002 appointed as Professor and Chair of the Department of Otolaryngology-Head and Neck Surgery, University of Toronto. In 2012 he concluded his twenty four year period as Otolaryngologist-in-Chief at the University Health Network and his second and final term as Chair University of Toronto.

Dr Gullane is a member of numerous Surgical Societies, nationally/internationally and has been invited as a Visiting Professor to over 85 countries lecturing on all aspects of Head and Neck Oncology. He has delivered over 835 invited and Keynote presentations nationally/internationally including the Eugene Myers International lecture in September 2006, received the 2007 Medtronic Alumni Award from the National University of Ireland(Galway) for contributions to Health Care and Medical Science, delivered the Sir Peter Freyer Memorial lecture to the Irish Surgical Forum NUI-Galway in 2009, the John J. Conley lecture to the American Head and Neck Society in 2012, the 87th Abraham Colles lecture at the Royal College of Surgeons in Ireland in February 2012 and the Hayes Martin lecture at the 5th World Congress of IFHNOS and annual meeting of the Head and Neck Society in New York in July 2014. He was one of the six International Faculty leaders who conducted the IFHNOS Head and Neck World Tour Program in 2008. Dr Gullane has published 335 papers in peer-reviewed journals and 92 chapters in textbooks. In addition he has published 10 books on various aspects of Head and Neck Surgery. His textbook, “Head & Neck Surgery and Oncology”, was awarded the George Davey Howells Prize from the University of London, cited as the best published book in Otolaryngology-Head and Neck Surgery in the preceding five years. Currently, Dr Gullane is a member of the Editorial Board of 10 Journals. He has served as President of the American Head & Neck Society, The North American Skull Base Society, President of the Canadian Society of Otolaryngology-Head and Neck Surgery and Vice President of the Triological Society. In recognition of his distinguished achievements, Professor Gullane was awarded an Honorary Fellowship of the Royal Australasian College of Surgeons in 2006, Honorary Fellowship of the Royal College of Surgeons of England in 2010 and an Honorary Fellowship in the Royal College of Surgeons of Ireland in 2012. He was elected to Fellowship in the Canadian Academy of Health Sciences in 2011 and in 2010 was appointed as a Member to the Order of Canada by the Governor General of Canada. Cited for his inspiration of young surgeons and his contributions to the field of Head and Neck Surgery. In 2014, in recognition of his outstanding contributions an endowed Chair was named in his honour at the University Health Network/University of Toronto. In February 2015, Dr Gullane was appointed as a Member to the Order of Ontario by the Lieutenant Governor of Ontario for his achievements in the field of Head and Neck Surgery. Finally, he has facilitated the establishment of four University-Hospital Chairs: Head & Neck Surgery, Reconstruction, Radiation Oncology, and Basic Science, from private funding donations in excess of $15.5 M., with continual funding up to the present time.
Distinguished Service Award

**Ehab Hanna, MD, FACS**

Ehab Hanna, M.D., FACS, is an internationally recognized head and neck surgeon and expert in the treatment of patients with skull base tumors and head and neck cancer. He is Professor and Vice Chair of the Department of Head and Neck Surgery at The University of Texas MD Anderson Cancer Center in Houston, Texas. After earning his medical degree, he completed a surgery internship at Vanderbilt University, and residency in Otolaryngology-Head and Neck Surgery at The Cleveland Clinic in Cleveland, Ohio. He received advanced fellowship training in skull base surgery and head and neck surgical oncology at the University of Pittsburgh Medical Center. He joined the MD Anderson faculty in 2004 with a joint appointment at Baylor College of Medicine. He is the medical director of the Multidisciplinary Head and Neck Center and co-director of the Skull Base Tumor program at MD Anderson. Dr. Hanna recently served as President of the North American Skull Base Society (NASBS) which was founded in 1989, and is a professional medical society that facilitates communication worldwide between individuals pursuing clinical and research excellence in skull base surgery. Dr. Hanna is leading the development of minimally invasive and robotic applications in skull base surgery. He has consistently been named one of America’s Top Doctors by the Castle Connolly Guide. In addition to patient care, Dr. Hanna is actively engaged in clinical and translational research with emphasis on skull base tumors. He is the Editor-in-Chief of the journal of Head & Neck, which is the official journal of the International Federation of Head and Neck Societies. He also co-edited a text book on “Comprehensive Management of Skull Base Tumors”.

**Distinguished Service Award**

<table>
<thead>
<tr>
<th>Name</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ehab Hanna, MD, FACS</td>
<td>1989</td>
</tr>
<tr>
<td>John A. Ridge, MD, PhD</td>
<td>2006</td>
</tr>
<tr>
<td>Stephan Ariyan, MD</td>
<td>1990</td>
</tr>
<tr>
<td>Ernest A. Weymuller, Jr., MD</td>
<td>2007</td>
</tr>
<tr>
<td>Ashok R. Shaha, MD</td>
<td>1991</td>
</tr>
<tr>
<td>Helmhuth Goepfert, MD</td>
<td>2008</td>
</tr>
<tr>
<td>Elliot W. Strong, MD</td>
<td>1995</td>
</tr>
<tr>
<td>Keith S. Heller, MD</td>
<td>2009</td>
</tr>
<tr>
<td>John J. Coleman, III MD</td>
<td>1999</td>
</tr>
<tr>
<td>Mark K. Wax, MD</td>
<td>2010</td>
</tr>
<tr>
<td>David L. Larson, MD</td>
<td>1999</td>
</tr>
<tr>
<td>Randal S. Weber</td>
<td>2011</td>
</tr>
<tr>
<td>Harold J. Wanebo, MD</td>
<td>1999</td>
</tr>
<tr>
<td>Ashok R. Shaha, MD</td>
<td>2012</td>
</tr>
<tr>
<td>Jonas T. Johnson, MD</td>
<td>2001</td>
</tr>
<tr>
<td>Dennis H. Kraus, MD</td>
<td>2013</td>
</tr>
<tr>
<td>Helmhuth Goepfert, MD</td>
<td>2003</td>
</tr>
<tr>
<td>Jesus E. Medina</td>
<td>2014</td>
</tr>
<tr>
<td>Marc D. Coltrera, MD</td>
<td>2004</td>
</tr>
<tr>
<td>Carol R. Bradford, MD</td>
<td>2015</td>
</tr>
<tr>
<td>Wayne Koch, MD</td>
<td>2005</td>
</tr>
</tbody>
</table>

**Special Recognition Awards**

<table>
<thead>
<tr>
<th>Name</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paul B. Chyetien, MD</td>
<td>1984</td>
</tr>
<tr>
<td>Edgar L. Fazell, MD</td>
<td>1988</td>
</tr>
<tr>
<td>John M. Lore, Jr., MD</td>
<td>1985</td>
</tr>
<tr>
<td>Harvey W. Baker, MD</td>
<td>1989</td>
</tr>
<tr>
<td>William S. MacComb, MD</td>
<td>1986</td>
</tr>
<tr>
<td>Vahram Y. Bakamjian, MD</td>
<td>1991</td>
</tr>
<tr>
<td>Calvin T. Klopp, MD</td>
<td>1987</td>
</tr>
<tr>
<td>Jean-Louis Lefevbre, MD</td>
<td>1995</td>
</tr>
</tbody>
</table>
Mike S. Benninger, MD

Dr. Michael S. Benninger is the Chairman of the Head and Neck Institute at The Cleveland Clinic and is a Professor of Surgery at the Cleveland Clinic Lerner College of Medicine of Case Western Reserve University. The Head and Neck Institute comprise the specialties of Otolaryngology, Audiology, Speech and Language Sciences, Oral Surgery and Dentistry. In addition to his work at the hospital, Dr. Benninger has been very involved in Regional, National and International medical organizations. He is the President of the International Association of Phonosurgery, is the Treasurer of the American Broncho-Esophagological Association and Vice-President and a member of the Board of Directors of the Voice Foundation. He served on the Board of Directors of the American Academy of Otolaryngology-Head and Neck Surgery (AAO-HNS) for 12 years, having been a former Vice President and Chairman of the Board of Governors of that organization. He is also a Past-President of the American Laryngological Association, American Rhinologic Society and the Michigan Oto-Laryngological Society. He is the former Editor-in-Chief of the Journal, Otolaryngology-Head and Neck Surgery, which is the largest peer-reviewed journal in the world for that specialty. He has served on the Residency Review Committee for Otolaryngology and as a member of the Medical Advisory Board for WebMD. He is the Past-Chairman of the Steering Committee for the Sinus and Allergy Health Partnership.

Dr Benninger has authored or edited 8 books, including his most recent books, “The Performers Voice” and “Classics in Rhinology”. He has 2 additional books in press. He has also has written over 75 book chapters and over 190 scientific articles, focusing primarily on voice care and laryngology, nasal and sinus disease and health care management. He has lectured extensively across the country and throughout the world.

A graduate of Harvard University, Dr. Benninger received his medical degree from Case Western Reserve University in Cleveland, Ohio. He completed his residency at the Cleveland Clinic Foundation.

John Coleman, MD

John J. Coleman III was born in Boston, Massachusetts in 1947. He attended Thayer Academy in Braintree, Massachusetts and Harvard College where he was awarded a Bachelor of Arts degree cum laude in Latin and Greek in 1969. He graduated from Harvard Medical School in 1973 and moved with his wife and two children to Atlanta to begin training at Emory University Hospital. He completed the General Surgery Residency under W. Dean Warren MD in 1978 and Plastic Surgery Fellowship under Maurice Jurkiewicz MD, past president of The Society of Head and Neck Surgeons in 1980. After completing a Surgical Oncology Fellowship at the University of Maryland and The Baltimore Cancer Research Center under the direction of E. George Elias, Dr. Coleman joined the Faculty of Emory University School of Medicine with joint appointments in Surgical Oncology and Plastic Surgery. During his tenure at Emory Dr. Coleman was awarded the Wadley Glenn Chair in Surgery and served as Chief of Plastic Surgery at the Atlanta Veterans Administration Medical Center as well as practicing in The Winship Clinic, the Division of Neoplastic Surgery at Emory. In 1991 Dr. Coleman was appointed Professor of Surgery and Chief of the Division of Plastic Surgery at Indiana University School of Medicine. During his twenty-five years tenure at Indiana, Dr. Coleman was Program Director for the Plastic Surgery Residency. He also served as Chief of Plastic Surgery at the Richard Roudebush Veterans Administration Medical Center in Indianapolis making his tenure as Chief at the VAMC a total of thirty six years. Dr. Coleman retired from active clinical practice on December 31, 2015.

Early in the 1980’s Dr. Coleman realized that free tissue transfer was an enormous step forward in the reconstruction of patients with head and neck cancer as well as neoplasms in other sites. His academic career focused on clinical research and practice in cancer treatment and microsurgical technique. His publications include early information on the jejunal free flap, orbitomaxillofacial reconstruction with free-tissue transfer, the platysma musculocutaneous flap, the interaction of radiotherapy and surgery and complications of surgery and reconstruction of...
the head and neck and elsewhere. Throughout his career he maintained an active practice and research interest in extirpative and reconstructive surgery of cancer.

Dr. Coleman served on many committees of the Society of Head and Neck Surgeons including the Ad Hoc Committee on Amalgamation and as Site Visitor for the Fellowship Training Committee. He continued in the New American Head and Neck Society serving as President in 2005. He has been active in the American Cancer Society, the American College of Surgeons and numerous other national and regional medical Societies. He has been Chairman of the American Board of Plastic Surgery, Chairman of the Residency Review Committee for Plastic Surgery, President of the Ohio Valley Society of Plastic Surgeons, President of the North American Burn Society and the President of the Southern Surgeons Club.

In 1966 John Coleman married Janice Ann Bianco. They have four children, Angela Lee Munshi, John J. Coleman IV, Maria Clarke English and Patrick Carmine Coleman and eight grandchildren. He will be missing his first International Conference on Head and Neck Cancer and the Presidency of his friend Dennis Kraus because on July 15th Janice and he will be celebrating their Fiftieth Wedding Anniversary with family and friends.

Maradalia De La Cruz, RN
Maridalia De La Cruz emigrated to the United States from her native Dominican Republic in April 2005 before enrolling in ASA College five months later. There she gained an Associate Degree as a Medical Assistant.

Not totally satisfied she had realized her full academic achievements, Maridalia enrolled at Hunter College in 2012 to pursue a Bachelor of Science degree in Nursing, which she is close to completing.

Maridalia joined the New York Head and Neck Institute of Northwell Health in 2011 as a Clinical Assistant. Six months later she earned a promotion as a Surgical Coordinator for Dr. Dennis Kraus, Director of the New York Head and Neck Institute, Center for Head and Neck Oncology; Northwell Health Cancer Institute, where she is presently excelling in that position.

Diana Desiova, NP
Diana Denisova is Nurse Practitioner with Dr. Dennis Kraus who is Director for the Head and Neck Oncology within NY Head and Neck Institute and the Northwell Health Cancer Institute. Diana Denisova started her employment under collaborative agreement with Dennis Kraus in 2014 and currently assisting Dr. Kraus in managing patient’s care in ambulatory care setting by addressing patient’s clinical needs, as well as providing education pre and post operatively.

Diana Denisova is an RN and also holds MS in Nursing and licensed as an Adult and Gerontological NP, board certified by American Nursing Credentialing Center. In 2015, shortly after starting her employment with Dr. Kraus, Diana joined Society of Otorhinolaryngology and head and neck nurses, attended annual conference in Dallas 2015, completed scoping class and is currently working towards certification in the area. Diana Denisova has interest in head and neck surgery, gerontology, and oncology as well as in research and currently serves as co-investigator in a clinical trial in the area of Head and Neck Cancer.

Diana Denisova immigrated to the US at the age of 21 from Belarus, Minsk shortly after completing her undergraduate degree in Linguistics from Minsk State Linguistic University. After completing her nursing degree in New York City College of Technology, Diana Denisova started her career as staff RN in Lutheran Medical Center in a progressive care unit that included respiratory step down, medical ICU step down and telemetry areas. During 8 years of her employment, Diana worked towards and received certification in medical surgical nursing by ANCC via examination and completed graduate degree in nursing. She was wound champion on the unit and often served as charge nurse. In 2014 Diana received Daisy foundation award for outstanding patient care and education.

Currently Diana is married and resides with her spouse Isaac and two young daughters Ariel and Chloe in Fishkill, NY.
Yvonne Estepa

Yvonne Estepa is a certified surgical technician at Northwell Lenox Hill & Memorial Sloan Kettering Cancer Center. She has been a surgical tech for 11 years. She is a single mother of 4 beautiful amazing sons and her work ethic is her legacy to them. Yvonne cares for her patients as she would her own children especially experiencing first hand, her oldest son's journey through cancer treatment and survivorship. She strives to provide the best support and experience she can in care for the patient during surgery. She enjoys learning and is always looking to improve and expand her surgical knowledge.

Doug Frank, MD

Douglas K. Frank, MD, FACS is the Director of Surgical Oncology of the Northwell Health Cancer Institute, as well as Associate Chair of the Department of Otolaryngology and Chief of the Division of Head and Neck Surgery at Long Island Jewish Medical Center. He is an Associate Professor of Otolaryngology, Surgery, and Molecular Medicine at the Hofstra Northwell School of Medicine.

Dr. Frank received his medical degree from the University of Pennsylvania School of Medicine. He received his General Surgery training at St. Vincent’s Hospital and Medical Center of New York, followed by Otolaryngology-Head and Neck Surgery training at the New York Eye and Ear Infirmary. Dr. Frank then went on to complete a fellowship in Head and Neck Surgical Oncology at the University of Texas MD Anderson Cancer Center, where he was also chosen as their first T32 Research Fellow. As a result of his research, Dr. Frank was the recipient of the American Society for Head and Neck Surgery Basic Science Research Award, as well as the American Head and Neck Society Clinical Science Research Award.

Upon completion of fellowship training, Dr. Frank returned to New York City to continue his role as a physician scientist, joining the Institute for Head and Neck and Thyroid Cancer at Beth Israel Medical Center and Continuum Health Partners. His laboratory focused on apoptotic signaling and intercellular communication in head and neck cancer. In 2007, Dr. Frank joined the team at Northwell Health (formerly the North Shore-Long Island Jewish Health System). In addition to his clinical head and neck surgical oncology practice, Dr. Frank is presently involved in clinical leadership and academic program building at Northwell, one of the largest health care systems in the United States.

Dr. Frank lives in Rockaway Beach, New York with his wife, Jane Garfield Frank, and their three sons, Jonathan, Gabriel, and Daniel.

Evangeline Garzon

Evangeline Garzon is the Executive Assistant to Dr. Dennis Kraus, Director, Center for Head & Neck Oncology, New York Head & Neck Institute, Northwell Health Cancer Institute and Professor of Otolaryngology at the Hofstra Northwell School of Medicine. As executive assistant Evangeline provides executive-level assistance to all tasks presented, as she is responsible for calendar maintenance, preparation of correspondence and technical presentations, coordination of travel arrangements, expense statements, facilitation of meeting arrangements, processing of visit requests and monitoring all actions and signature items. In addition, as an Executive Assistant Evangeline has represented and coordinated the New York Head & Neck Institute Exhibit at the AAO-HNSF Otolaryngology & Exhibit meetings for the past three years.

Evangeline’s tenure of 11 years at Northwell Health, formally known as North Shore-LIJ Health System has contributed to her extensive knowledge of business and operational procedures and guidance with in a health care system. Starting off as a unit clerk on a medicine unit to the C-Suite of Hospital Administration Evangeline takes pride in all that is done and that is placed in her path and provides nothing but 100%.

On a personal level, Evangeline enjoys playing the piano and violin in spare times, is an active member of the Westbury United Methodist Church and enjoys her days with her fiancé Anthony Reyes and all of her family in New York.
Pierre Lavertu, MD

Pierre Lavertu was born in Val-D’Or, Québec, Canada on July 11, 1952. He is married to Christiane and together they have 3 children, Stephane, Philippe, and Catherine. He grew up in Québec and did his medical school at the University of Montréal. This was followed by a residency in otolaryngology and a fellowship in head and neck surgery at the same institution. He then did a year of fellowship in head and neck surgery at the Cleveland Clinic Foundation under the tutelage of Harvey M. Tucker M.D. following which he worked for 3 years at Notre-Dame Hospital in Montréal. He then returned to the United States and the Cleveland Clinic in 1986 where he eventually became the head of the section of Head and Neck surgery in addition to serving as vice-chairman and acting chairman. In 1998 he joined University Hospitals Case Medical Center as the Director of Head and Neck Surgery and Oncology. He now serves as the vice chairman of academic affairs for the Ear, Nose, and Throat Institute in the Department of Otolaryngology Head and Neck Surgery. He is the medical director of the surgical oncology floor at the Seidman Cancer Center. He is a professor of Otolaryngology and Oncology at Case Western Reserve University in Cleveland.

He has spent his entire career treating head and neck cancer patients. Very shortly after he joined the Cleveland clinic he fostered the need for multidisciplinary care of head and neck cancer patients. He was instrumental in creating the multidisciplinary tumor board at both institutions and building active head and neck oncology programs serving as leading regional referral centers. One of his landmark contributions to the field happened very early on when he developed a close working relationship with medical oncologist David Adelstein and radiation oncologist Jerold Saxton. Together they developed the first regimen of concurrent chemotherapy and radiation as we know it today. He has authored more than 100 publications mainly related to the treatment of head and neck tumors and cancers. He also has delivered more than 200 lectures related to the same topic.

He is a member of numerous otolaryngology societies and has served on many committees for most of these societies. He has served twice as a council member of the American Head and Neck Society. He was part of the group that merged the Society of Head and Neck Surgeons with the American Society for Head and Neck Surgery to create the AHNS back in 1998. He has been a reviewer for many journals and has been on the editorial board of 3 major journals. He continues to be actively devoted in many areas that relate to the advancement of the care provided and the research dedicated to head and neck cancer patients. In addition to his family and his work he enjoys the game of curling during the winter and is an avid gardener during the summer.

Nancy Leupold

Twenty-five years ago this September 2016, nine patients with oral, head, and neck cancer gathered in a circle to share their cancer experiences. From that small core of nine survivors grew the organization we know today as SPOHNC (Support for People with Oral and Head and Neck Cancer). SPOHNC, (pronounced spunk), is a patient-directed not-for-profit organization that addresses the broad emotional, psychological, and humanistic needs of oral and head and neck cancer patients. Throughout her 25 years with SPOHNC, Nancy has served as a member of the Coordinating Panel of the National Oral Health Information Clearing House (NOHIC), as a member of the Forum Planning Committee of the Patients Advocates Forum sponsored by NIDCR, and as a member of the Radiation Oncology Group (RTOG) and the RTOG Head and Neck Cancer Committee, and was instrumental in the development of the publications mentioned above.

In 2002, Nancy was honored to receive an AHNS Presidential Citation from Dr. Keith Heller. In 2011, she was selected to receive the Head and Neck Cancer Hall of Fame Award, “Patient of Achievement” at Gin & “Satch” Sanders Gala Sneaker Ball, benefiting the Dana Farber Cancer Institute’s Head and Neck Cancer Research Program. And in 2012, Nancy was inducted into The Long Island Volunteer Center’s Hall of Fame and received recognition for her advocacy in health.

Nancy has been married for more than fifty years, and is recently widowed. She has three daughters and six grandchildren. Her three daughters are all involved in the field of healthcare.
Presidential Citations

Drew Ridge, MD, PhD

John Andrew “Drew” Ridge was born in 1950. After attending the University of Chicago he received the Ph.D. in Biochemistry from Stanford University in 1978 and the M.D. in 1981. He pursued training in General Surgery at the University of Colorado and Surgical Research and Surgical Oncology fellowships at Memorial Sloan-Kettering Cancer Center. He was Assistant Professor in Residence at the University of California at San Francisco before moving to the Fox Chase Cancer Center in Philadelphia when presented with an opportunity to limit his practice to head and neck oncology. Currently, he is the first incumbent to the Louis Della Penna Family Chair in Head & Neck Oncology, Vice-Chair of the Department of Surgical Oncology, Chief of the Head & Neck Surgery Section, and Professor of Surgical Oncology, Molecular Therapeutics, and of Otolaryngology – Head & Neck Surgery. He loves to teach. A surgical oncology fellowship position has been endowed in his name.

Dr. Ridge has devoted his academic career to multidisciplinary treatment of head and neck cancer, with a strong commitment to clinical research. He has been influential in the design and execution of several clinical trials evaluating “organ preservation,” the non-surgical management of advanced squamous cancers of the head and neck. Having served many federal advisory groups, including NCI Program Project Grant review panels, Special Emphasis Panels for the National Institute of Dental and Craniofacial Research (NIDCR), the NIH/NCI Institutional Review Group SPORE committee, and head & neck cancer “think tanks” for the NCI and NIDCR, he has also been as a member of several CTEP committees. He co-chaired two Clinical Trials Planning Meetings: one for HPV-related head & neck cancer and one for Transoral Resection of Oropharynx Cancer. Both gave rise to cooperative group trials. A former ECOG Head & Neck Committee Co-Chair and member of the RTOG Head & Neck Steering Committee, he served as Co-Chair of the CTEP Head and Neck Steering Committee. Currently, he is Co-Chair of the Surgical Oncology Committee of the NRG Cooperative Group.

Dr. Ridge has been a member of the NCCN Head and Neck and Thyroid panels since their inceptions and has been a writing member of both committees as well as the AJCC 8th Edition Cancer Staging Committee for head & neck and thyroid cancers. He has been a Governor of the American College of Surgeons. After they met at Sloan-Kettering, he married Elin Sigurdson in 1989. A prominent academic surgical oncologist interested primarily in colorectal cancer, she too works at the Fox Chase Cancer Center. Their son, Lukas, and twin daughters, Kelsey and Hannah, have interests in politics and the visual and dramatic arts. A fencer, Drew holds an “A” classification in Epee and competes internationally. He has been a member of seven US Fencing Association Veteran World Championship Teams with respectable results on the World Cup circuit. Though he enjoys the Rockies, his knees no longer tolerate heliskiing.

Active in many professional organizations, he is a past-president of the American Head and Neck Society.

Dave J. Terris, MD, FACS, FACE

Dr. Terris is Regents Professor and Surgical Director of the Thyroid Center at Augusta University.

He went to college at Cornell, medical school at Duke, and did his residency and fellowship at Stanford. He then joined the faculty at Stanford and was promoted to Associate Professor with tenure. In 2002 he was recruited to Georgia to become Chairman of the Department of Otolaryngology at Augusta University, a post he held for 12 years.

Dr. Terris is a pioneer in robotic and minimally invasive thyroid surgery and has a busy clinical practice that is limited to thyroid and parathyroid surgery. He has edited 6 books and authored more than 200 publications, with most devoted to thyroid and parathyroid topics.

He is currently on the council of the American Head and Neck Society, an elected member of the Board of Georgia AACE, a member of the Otolaryngology RRC, Vice President of the Southern Section of the Triological Society, past-Chair of the Endocrine Committee of the AHNS, past-Chair of the Otolaryngology Advisory Council of the ACS, and Past-President of the Georgia Society of OHNS.
Presidential Citations

Greg Weinstein, MD

Dr. Weinstein has been faculty at the University of Pennsylvania since 1991 and is the founding member and Co-Director of the Penn Center for Head and Neck Cancer, which is an internationally renowned multidisciplinary team for the management of all aspects of care of patients with head and neck cancers. Dr. Weinstein is a graduate of the Otorhinolaryngology-Head and Neck Surgery residency program at the University of Iowa. Following his residency he completed an American Head and Neck Society fellowship in Head and Neck Oncologic Surgery. In addition he has worked on by John Conley’s service in New York as well as Henri Lacourreye’s service in Paris and has published with them both. Dr. Weinstein’s clinical expertise is in the head and neck surgery including all aspects of cancer surgery of oral, pharyngeal, laryngeal and neck cancer as well as special expertise in thyroid and parotid surgery. Dr. Weinstein has an international reputation for expertise in organ preservation for cancers involving the larynx. Dr. Weinstein was the first surgeon in the United States to perform the larynx preserving surgery, the Supracricoid Partial Laryngectomy, and has been the primary instructor of this procedure nationally and has reported on the largest American series of this procedure. Dr. Weinstein, together with Dr. Bert W. O’Malley, Jr. established the world’s first research program in TORS. Through a multi-tiered research program, beginning with airway mannequins, and progressing through cadaver and animal models, numerous novel head and neck and skull base procedures were invented utilizing the da Vinci surgical system. Dr. Weinstein was Principle Investigator for the world’s first Institutional Review Board approved human trial in Transoral Robotic Surgery (TORS). TORS utilizes the da Vinci surgical system to resect benign and malignant lesions of the oral cavity, pharynx, larynx and skull base. Approximately 1000 patients have undergone TORS at the University of Pennsylvania, to date. Prior to FDA clearance for use of TORS in the United States Drs. Weinstein and O’Malley established the International TORS training program in which participants attend a clinical observership, cadaver robotic laboratory at the University of Pennsylvania. This program has resulted in the establishment of active TORS clinical programs in numerous countries including Belgium, England, Denmark, France, Italy, Brazil, Korea, Hong Kong, Singapore, Spain, The Czech Republic, Turkey as well as others. Following FDA clearance the training program at the University of Pennsylvania was expanded to include American surgeons. To date approximately 400 post-graduate American Head and Neck Surgeons have participated in the TORS training program at the University of Pennsylvania. His important work in the area of voice box preservation in the face of laryngeal cancer and TORS resulting in his being honored, on two separate occasions, with The University of Pennsylvania Health System Award of Excellence Luigi Mastroianni Clinical Innovator Award. Dr Weinstein is the author of over 150 peer reviewed medical articles. His books entitled Organ Preservation Surgery for Laryngeal Cancer and Transoral Robotic Surgery provide comprehensive and practical guides for clinicians in each of these surgical areas. Dr. Weinstein was a founding member and the first president of the Society of Robotic Surgeons, which at present has a membership of over 800 surgeons and is a vibrant, academically productive and financially stable organization. He has been Principal or Co-Principal investigator on multiple research grants. Between 1993 and 2016, Dr Weinstein has given over 125 invited international and national lectures.
Research and Best Paper Awards

2016 AHNS Research Award Grants

AHNS/AAO-HNSF Translational Innovator Combined Award
Matthew E. Spector, MD
Institution: University of Michigan
Proposal: Predictive Biomarkers and Targeted Therapy in Recurrent Laryngeal Cancer

AHNS/AAO-HNSF Young Investigator Combined Award
Jessica Moskovitz, MD
Institution: University of Pittsburgh
Proposal: Enhancing cetuximab efficacy by checkpoint inhibition in HNSCC

AHNS Alando J. Ballantyne Resident Research Pilot Grant
Paul Zolkind, MD
Institution: Washington University in St. Louis School of Medicine
Proposal: Preclinical Model for a Genomics-Driven Personalized Vaccine in Oral Cavity

AHNS Pilot Grant
Sufi Thomas, Ph.D.
Institution: University of Kansas Medical Center Research Institute
Proposal: Role of tumor-associated fibroblasts in head and neck cancer metabolism

Alando J. Ballantyne Resident Research Pilot Grant

Alando J. Ballantyne, M.D.
Alando J. Ballantyne, M.D., a giving teacher, dedicated surgeon, and a devoted husband and father, is memorialized by the Alando J. Ballantyne Resident Research Pilot Grant. This award, in the amount of $10,000, is for the best grant application by a resident.

Alando, known simply as Jay, grew up in a loving Mormon home that taught him the values of family, excellence, integrity and hard work. Jay graduated Phi Beta Kappa from the University of Arizona and was then awarded a scholarship to Columbia Medical School. During World War II, Jay served as an army captain and medical doctor and had the good fortune to meet his wife, Maria, in San Antonio. In 1947, Dr. Ballantyne became the first resident at the new M.D. Anderson Hospital in Houston. After his year-long residency, he went for further training at the Mayo Clinic in Rochester, Minnesota. He returned to the Anderson staff in 1952, where he quickly advanced from Assistant Surgeon in the Head and Neck Service to Associate Surgeon, and then from 1974 until his retirement in 1994, held the title of Surgeon and Professor of Surgery in the Department of Head and Neck Surgery as well as the title of Ashbel Smith Professor.

Dr. Ballantyne is credited as the first surgeon in the United States to pioneer modified radical neck dissection. His contributions to his subspecialty, the result of an undying curiosity and uncanny powers of observations, have been published in numerous scientific papers and book chapters. Jay lectured at local, national, and international forums and loved his travels. He held memberships in many...
Research and Best Paper Awards

distinguished medical and surgical societies and served as President and Hayes Martin Lecturer of the Society of Head and Neck Surgeons and President of the Texas Surgical Society.

To honor the contributions of this world-renowned surgeon, the Cynthia and George Mitchell Foundation established the Alando J. Ballantyne Distinguished Chair in Head and Neck Surgery at the University of Texas M.D. Anderson Cancer Center.

Dr. Ballantyne’s contributions to the subspecialty of Head and Neck cancer surgery have been the result of an undying curiosity and uncanny powers of observation. He was the father of conservative surgery, removing the cancer while preserving the function. He had a relentless desire to eradicate his patients’ disease, yet was able to balance this fervor with a desire to maintain quality of life for all his patients.

Always an advocate of reconstruction and preservation of cosmesis as well as function, those fortunate enough to have worked with him and been taught by him are forever indebted to his wisdom, surgical expertise, and devotion to his patients. He was beloved by his patients, admired by his peers and idolized by his family.

The Alando J. Ballantyne Resident Research Pilot Grant is funded by the generous contributions of members of the Ballantyne family, including Dr. Gilchrist L. Jackson, a respected member of the American Head and Neck Society.

Christopher O’Brien Traveling Fellowship Award

Martin D. Batstone, MBBS, BDSc (Hons), MPhil(Surg), FRACDS (OMS), FRCS (OMFS)

Martin Batstone was a graduate of the Queensland Maxillofacial Surgery Training Program in 2004. He then spent three years in Liverpool at the Mersey Regional Head and Neck Cancer Centre as the Head and Neck Fellow. His current position is a Senior Staff specialist at the Royal Brisbane and Womens Hospital and Director of the Maxillofacial unit. He chairs the Regional surgical committee which supervises training in Queensland and co-ordinates the College exams annually. He is the Vice President of the Australian and New Zealand Head and neck cancer society. His main clinical interests are surgical management of oral and oropharyngeal cancer, skin cancer and microvascular reconstruction.

Robert Maxwell Byers Biography

Robert Maxwell Byers

The Robert Maxwell Byers Award, in the amount of $1000, is for the best clinical or basic science research paper submitted for presentation at the annual meeting of the American Head and Society.

Robert Maxwell Byers, M.D. was born in Union Hospital, Baltimore, Maryland on September 24, 1937. He grew up on the Eastern Shore of Maryland in the small town of Elkton. Very active in the varsity sports of baseball, basketball and track during his high school years, he continued his athletic participation at Duke University along with his pre-med studies. He entered the University of Maryland Medical School in Baltimore in 1959. where he excelled in his medical studies and received membership in AOA and the Rush Honor Medical Society. The highlight of his sophomore year was his 1961 marriage to Marcia Davis, a high school sweetheart. During his junior year, he was commissioned an Ensign in the United States Naval Reserve and later rose to the rank of Captain in 1986.

In 1963, Dr. Byers begin his general surgical residency with Dr. Robert Buxton at the University Hospital in Baltimore. Five years later, as a fully trained general surgeon, he went to the Republic of Vietnam with the 1st Marine Division where he received a unit commendation medal and a combat action ribbon. On return to the United States, he spent a year at Quonset Point, Rhode Island Naval Hospital as Chief of Surgery. In 1969, he was certified by the American Board of Surgery. After discharge from the Navy in 1970, Dr. Byers and his family moved to Houston, Texas where he began a fellowship in Surgical Oncology at the University of Texas M.D. Anderson Cancer Center under the guidance of Drs. R. Lee Clark, Richard
Martin, Ed White, William MacComb, Richard Jesse and Alando J. Ballantyne. This move proved to be a decisive event, as he never left. His career in Head and Neck Surgical Oncology was born, nurtured, and matured during the 31 years of his academic/clinical practice at the University of Texas M.D. Anderson Cancer Center. During his tenure at M.D. Anderson Cancer Center he rose through the ranks from Assistant Professor in 1972 to Associate Professor in 1976 and, finally, Professor and Surgeon in 1981.

In 1998, he was honored with the Distinguished Alando J. Ballantyne Chair of Head and Neck Surgery. He is the author or co-author of over 200 published papers, book chapter and monographs. He has given invited lectures all over the world. Most recently (1999), he was selected to give the Hayes Martin Memorial Lecture at the 5th International Conference on Head and Neck Cancer. He has been President of the American Radium Society and President of the Society of Head and Neck Surgeons both in 1995 – 1996. His research interests and his expertise have been focused on cancer of the oral cavity, head and neck cancer in young people and treatment of the neck involved with metastatic cancer with a particular interest in various neck dissections. Dr. Byers is a member of many prestigious societies, of which the Southern Surgical Association, the Texas Surgical Society, the American College of Surgeons and the Society of Surgical Oncologists are but a few. He is a peer reviewer for many medical journals and on the Editorial Board of three.

During his 31 years at the University of Texas M.D. Anderson Cancer Center, he has participated in the surgical education of over 300 residents and fellows, many of who have gone on to become prominent members of the specialty. The youth community of Houston has benefited from his coaching expertise in baseball and basketball while he has indulged in the hobbies of hunting, travel, and collecting toy soldiers.

Congratulations to our Best Paper Award Winners for the 9th International Conference on Head and Neck Cancer!

<table>
<thead>
<tr>
<th>Category</th>
<th>Winner</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Robert Maxwell Byers Award</td>
<td>Chang-Han Chen, MD</td>
<td>Institute for Translational Research in Biomedicine</td>
</tr>
<tr>
<td>Best Resident Clinical Paper</td>
<td>Michelle Chen, MD</td>
<td>Stanford University School of Medicine</td>
</tr>
<tr>
<td>Best Resident Basic Science Paper</td>
<td>Moran Amit, MD</td>
<td>MD Anderson Cancer Center</td>
</tr>
<tr>
<td>Best Prevention &amp; Early Detection Paper</td>
<td>Chwee Ming Lim, MD</td>
<td>National University Health System Singapore</td>
</tr>
</tbody>
</table>
Thank you to Our 2016 Visibility Donors!

The following companies have provided generous support for non-CME meeting activities:

**Diamond Donors**
- Astra Zeneca
- Bristol Myers Squibb
- Lilly
- Medrobotics

**Platinum Donors**
- Intuitive Surgical
- Medtronic

**Silver Donors**
- Eisai
- Stryker

**Bronze Donor**
- IRX Therapeutics
Visit the meeting app to view interactive floor plans. See page 9 for more details.
DUAL ENGAGEMENT:
A potential new approach in immuno-oncology

To learn more about dual engagement of the adaptive and innate immune systems, visit:

PDL1perspectives.com
Visit the meeting app to view interactive floor plans. See page 9 for more details.
Industry Satellite Symposia 2016

These presentations are planned and presented by our corporate colleagues. AHNS does not take responsibility for the content.

These sessions are non-CME activities.

**Sunday, July 17, 2016**

6:30 am - 7:45 am **Medrobotics**

**Flexible Robotic Surgical System for Oropharynx, Hypopharynx and Larynx**

Speakers: Dr. Umamaheswar Duvvari, Dr. David Goldenberg, Prof. Stephan Lang and Prof. Marc Remacle

The Flex® Robotic System is the world’s first commercially available flexible robotic surgery platform. Designed specifically for otolaryngology, the System allows surgeons to navigate around anatomy with a flexible, shapeable robotic scope equipped with high-definition vision. Once positioned, the scope becomes rigid and allows the surgeon to operate with flexible instruments in hard-to-reach, confined spaces. Surgeons from around the world will discuss their experiences using the Flex® Robotic System for transoral procedures in the oropharynx, hypopharynx, and larynx.

**Monday, July 18, 2016**

6:00 am - 7:15 am **Intuitive Surgical**

**Innovations in Robotic Surgery - Intuitive Breakfast Symposium - Dedicated to Technological Excellence**

Speakers: Drs. Chris Holsinger, Eric J. Moore and Gregory S. Weinstein

This session will discuss:
- The latest innovations in TOS
- Updates of robotic clinical trials
- Upcoming Technology
- Exclusive footage/Experiences from preclinical studies

6:00 am - 7:15 am **Medtronic**

**State-of-the-Art Neural Monitoring 2016**

Gregory Randolph, MD, FACS, FACE Clair & John Bertucci Chair in Thyroid Surgical Oncology, Harvard Medical School; Richard J. Wong, MD, FACS Chief Surgeon Head & Neck, Memorial Sloan Kettering Cancer Center; and Catherine F. Sinclair, M.D., FRACS, Attending Surgeon Head & Neck Oncology, Mount Sinai West, New York, host a practical case management discussion. A preview of the latest yet unpublished International Neural Monitoring Study Group’s latest guidelines is highlighted, along with C-IONM of the vagus nerve to detect signs of stress on the RLN, SLN nerve monitoring, and patient outcomes. Audience members encouraged to bring their tough case questions for discussion.
Industry Satellite Symposia 2016

7:00 pm - 8:15 pm  Astra Zeneca  Room 4C-3

Building Upon the PD-1/PD-L1 Axis: New Targets in Immuno-Oncology (IO), Rationale for Investigating Combinations, and Advanced Squamous Cell Carcinoma of the Head and Neck (SCCHN)

Targeting the ligands and receptors that comprise the regulatory checkpoints exploited by malignancies to evade immune response is a promising investigational strategy in many tumor types, including SCCHN. With increased understanding of T-cell pathways, not only have new avenues for investigation been identified, but opportunities have also emerged for considering the crosstalk between pathways, in order to expand the potential for IO. This presentation aims to educate on the targets for IO, the rationale for combination IO therapy, and the potential role of IO in SCCHN.

Speaker:
Ezra Cohen, M.D., Professor, Division of Hematology/Oncology, Department of Medicine, Associate Director for Translational Science, UC San Diego Moores Cancer Center, Co-leader, Solid Tumor Therapeutics Program

Tuesday, July 19

5:15 pm - 6:30 pm  Bristol-Myers Squibb  Room 4C-3

Immuno-Oncology: Emerging Research in Head and Neck Cancers

This session will:

• Review unmet needs in the current treatment landscape of H & N cancer
• Provide an overview of the immune system’s role in SCC H & N cancer
• Increase awareness around emerging research and immune-related targets in SCC H&N
NASAL SEPTAL PERFORATION PROSTHESIS
For the non-surgical closure of nasal septal perforations

Round
6 sizes available

Oval
6 sizes available

One Piece Septal Button: Circa 1970s
Magnetically Coupled Septal Prosthesis: 2016

INHEALTH™ TECHNOLOGIES
www.inhealth.com

© 2016 InHealth Technologies – Manufactured by Freudenberg Medical, LLC
## Schedule at a Glance

### Saturday, July 16, 2016

<table>
<thead>
<tr>
<th>TIME</th>
<th>EVENT</th>
<th>LOCATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:30am - 5:00pm</td>
<td>Registration Open</td>
<td>4D Skybridge</td>
</tr>
<tr>
<td>6:30am - 8:00am</td>
<td>Ethics and Professionalism Committee Meeting</td>
<td>Sheraton - Boren</td>
</tr>
<tr>
<td>6:30am - 8:00am</td>
<td>Finance Committee Meeting</td>
<td>Sheraton - Jefferson</td>
</tr>
<tr>
<td>6:30am - 8:00am</td>
<td>Education Committee Meeting</td>
<td>Sheraton - Seneca</td>
</tr>
<tr>
<td>8:00am - 9:00am</td>
<td><strong>INSTRUCTIONAL COURSES #1</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Thyroid Nodule Molecular Testing – Assays and Decision Making</td>
<td>4F</td>
</tr>
<tr>
<td></td>
<td>Enhancing Roles and Collaborations of PA/NP in H&amp;N Practice</td>
<td>4C-1-2</td>
</tr>
<tr>
<td></td>
<td>NCI Cooperative Group Trial Portfolios – Novel Agents and Designs</td>
<td>4C-3</td>
</tr>
<tr>
<td></td>
<td>Oropharynx Cancer Management 2016</td>
<td>4C-4</td>
</tr>
<tr>
<td></td>
<td>Nasopharynx Cancer Management 2016</td>
<td>Tahoma 1</td>
</tr>
<tr>
<td></td>
<td>Robotics or Laser for Transoral Surgery</td>
<td>Tahoma 2</td>
</tr>
<tr>
<td></td>
<td>Immunotherapy – New Targets, Agents, and Clinical Trial Data</td>
<td>Tahoma 3</td>
</tr>
<tr>
<td></td>
<td>Skull Base Surgery: Open and Endoscopic Approaches (2 hour session)</td>
<td>Tahoma 4</td>
</tr>
<tr>
<td>8:00am - 9:30am</td>
<td>Publications Committee Meeting</td>
<td>Sheraton - Boren</td>
</tr>
<tr>
<td>8:00am - 9:30am</td>
<td>AHNS Endocrine Section Leadership Group Meeting</td>
<td>Sheraton - Jefferson</td>
</tr>
<tr>
<td>8:00am - 9:30am</td>
<td>Young Members Committee Meeting</td>
<td>Sheraton - Seneca</td>
</tr>
<tr>
<td>8:00am - 9:30am</td>
<td>History Committee Meeting</td>
<td>Sheraton - University</td>
</tr>
<tr>
<td>8:00am - 9:30am</td>
<td>Credentials Committee Meeting</td>
<td>Sheraton - Virginia</td>
</tr>
<tr>
<td>8:00am - 11:45am</td>
<td>AHNS/AAOHNS Thyroid and Parathyroid Surgery Course For Residents and Fellows</td>
<td>Tahoma 5</td>
</tr>
<tr>
<td></td>
<td>Supported in part by an educational grant from Ethicon Endo-Surgery, Inc.</td>
<td></td>
</tr>
<tr>
<td>8:00am - 10:00am</td>
<td>IFHNOS Committee Meeting</td>
<td>310</td>
</tr>
<tr>
<td>9:00am - 10:00am</td>
<td><strong>INSTRUCTIONAL COURSES #2</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Sialoendoscopy</td>
<td>4F</td>
</tr>
<tr>
<td></td>
<td>Research Using Large Data Sets: Pearls and Pitfalls of the Major Data Sources</td>
<td>4C-1-2</td>
</tr>
<tr>
<td></td>
<td>Salvage Surgery – When It’s Possible, How to Plan and Surgical Tips</td>
<td>4C-3</td>
</tr>
<tr>
<td></td>
<td>Assessment of Treatment Response After Chemoradiotherapy</td>
<td>4C-4</td>
</tr>
<tr>
<td></td>
<td>Parathyroid Disease</td>
<td>Tahoma 1</td>
</tr>
<tr>
<td></td>
<td>Preventing Dysphagia</td>
<td>Tahoma 2</td>
</tr>
<tr>
<td></td>
<td>Parapharyngeal Space Tumors</td>
<td>Tahoma 3</td>
</tr>
<tr>
<td>9:30am - 11:00am</td>
<td>Prevention &amp; Early Detection Committee Meeting</td>
<td>Sheraton - Boren</td>
</tr>
<tr>
<td>9:30am - 11:00am</td>
<td>Quality of Care Committee Meeting</td>
<td>Sheraton - Jefferson</td>
</tr>
<tr>
<td>9:30am - 11:00am</td>
<td>Research Committee Meeting</td>
<td>Sheraton - Seneca</td>
</tr>
<tr>
<td>9:30am - 11:00am</td>
<td>Survivorship Committee Meeting</td>
<td>Sheraton - University</td>
</tr>
<tr>
<td>9:30am - 11:00am</td>
<td>Development Committee Meeting</td>
<td>Sheraton - Virginia</td>
</tr>
<tr>
<td>10:00am - 10:30am</td>
<td>Break In Foyer</td>
<td>Tahoma 4</td>
</tr>
<tr>
<td>10:00am - 11:00am</td>
<td>IAOO Council Meeting</td>
<td>310</td>
</tr>
<tr>
<td>Time</td>
<td>Session Title</td>
<td></td>
</tr>
<tr>
<td>--------------</td>
<td>-----------------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>10:30am - 11:30am</td>
<td><strong>INSTRUCTIONAL COURSES #3</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Robotic Surgery for Oropharyngeal and Laryngeal Cancer</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Biomarkers and Signature Therapeutics: Integrating into Clinical Practice</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Epidemiology, Biology and Detection of HPV in Head and Neck Cancer</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Management of Pre-Malignant Lesions of the Head and Neck</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Salivary Gland Malignancy</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Innovations in Dysphagia Management</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Reconstruction of Laryngectomy Defects-Controversies</td>
<td></td>
</tr>
<tr>
<td></td>
<td>State of the Art in Mandibular and Maxillary Reconstruction</td>
<td></td>
</tr>
<tr>
<td>11:00am - 12:30pm</td>
<td><strong>ATC Committee Meeting</strong></td>
<td></td>
</tr>
<tr>
<td>11:00am - 12:30pm</td>
<td><strong>Humanitarian Committee Meeting</strong></td>
<td></td>
</tr>
<tr>
<td>11:00am - 12:30pm</td>
<td><strong>Website Committee Meeting</strong></td>
<td></td>
</tr>
<tr>
<td>11:00am - 12:30pm</td>
<td><strong>Women in AHNS Committee Meeting</strong></td>
<td></td>
</tr>
<tr>
<td>11:00am - 12:30pm</td>
<td><strong>Head &amp; Neck Reconstructive Committee Meeting</strong></td>
<td></td>
</tr>
<tr>
<td>11:30am - 1:00pm</td>
<td><strong>Lunch On Own</strong></td>
<td></td>
</tr>
<tr>
<td>12:00pm - 1:00pm</td>
<td><strong>AHNS Council Lunch</strong></td>
<td></td>
</tr>
<tr>
<td>12:30pm - 1:30pm</td>
<td><strong>CME Compliance &amp; Measurement Committee Mtg</strong></td>
<td></td>
</tr>
<tr>
<td>12:30pm - 7:00pm</td>
<td><strong>Transoral Surgery for Head and Neck Pathology Course</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>This NON-CME course is supported in part by the following companies: Lumenis, Medrobotics, &amp; Omni-Guide</td>
<td></td>
</tr>
<tr>
<td>1:00pm - 2:00pm</td>
<td><strong>INSTRUCTIONAL COURSES #4</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Transoral Laser Surgery for the Pharynx &amp; Larynx Immunology/Immunotherapy in Head and Neck Cancer</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Using HPV Status in the Clinic</td>
<td></td>
</tr>
<tr>
<td></td>
<td>New Developments in Systemic Therapy</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Thyroid Cancer: Early and Advanced</td>
<td></td>
</tr>
<tr>
<td></td>
<td>How to Establish a Survivorship Program</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Using ATA 2015 Guidelines</td>
<td></td>
</tr>
<tr>
<td></td>
<td>How to Establish a Surgical Quality and Performance Monitoring Program</td>
<td></td>
</tr>
<tr>
<td>1:00pm - 5:00pm</td>
<td><strong>AHNS Council Meeting</strong></td>
<td></td>
</tr>
<tr>
<td>2:00pm - 3:00pm</td>
<td><strong>INSTRUCTIONAL COURSES #5</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>New Technology for Thyroid &amp; Parathyroid Surgery</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Engaging Surgeons in Multicenter Randomized Trials</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Comprehensive Management of Melanoma of the Head and Neck</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Imaging: Current Guidelines and Standards and Future Developments</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Non-Melanoma Skin Cancer: Novel Therapies, Surgery and Reconstruction</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Toolbox: Measurement of Function and Patient-Reported Outcomes</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Integrating Palliative Care into the Management of the Patient with Recurrent or Advanced HNC</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Decision Making in Larynx Cancer – Early, Intermediate and Advance Stage Disease</td>
<td></td>
</tr>
</tbody>
</table>
### Schedule at a Glance

#### Saturday (continued)

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>3:00pm - 3:30pm</td>
<td>Break In Foyer</td>
<td></td>
</tr>
<tr>
<td>3:30pm - 4:30pm</td>
<td>INSTRUCTIONAL COURSES #6</td>
<td>4F</td>
</tr>
<tr>
<td></td>
<td>Sentinel Lymph Node Biopsy: Indications, Technique and Pitfalls</td>
<td>4F</td>
</tr>
<tr>
<td></td>
<td>&quot;Doing Research&quot;: Setting up a Clinical and Translational Research Program</td>
<td>4C-1-2</td>
</tr>
<tr>
<td></td>
<td>Management of the Facial Nerve in Parotid Malignancy</td>
<td>4C-3</td>
</tr>
<tr>
<td></td>
<td>Radiation Therapy Advances</td>
<td>4C-4</td>
</tr>
<tr>
<td></td>
<td>Robotic Thyroidectomy and Parathyroidectomy</td>
<td>Tahoma 1</td>
</tr>
<tr>
<td></td>
<td>Measuring Swallowing Function</td>
<td>Tahoma 2</td>
</tr>
<tr>
<td></td>
<td>Using Social Media and the Internet in a Head and Neck Practice</td>
<td>Tahoma 3</td>
</tr>
<tr>
<td></td>
<td>New Technologies and Developments in Head and Neck Reconstruction</td>
<td>Tahoma 4</td>
</tr>
<tr>
<td>4:30pm - 5:30pm</td>
<td>Head Neck Reconstruction Committee</td>
<td>310</td>
</tr>
<tr>
<td>5:00pm - 6:00pm</td>
<td>HNQIP Committee Meeting</td>
<td>Sheraton - Jefferson</td>
</tr>
<tr>
<td>6:30pm - 9:30pm</td>
<td>Head and Neck Cancer Alliance Board Meeting</td>
<td>Sheraton - University</td>
</tr>
</tbody>
</table>

#### Sunday, July 17, 2016

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:30am - 6:30pm</td>
<td>Registration Open</td>
<td>4D Skybridge</td>
</tr>
<tr>
<td>6:30am - 7:45pm</td>
<td>Medrobotics Symposia: Flexible Robotic Surgical System for Oropharynx, Hypopharynx and Larynx – Non CME Activity</td>
<td>4C-3</td>
</tr>
<tr>
<td>7:00am - 8:00am</td>
<td>Continental Breakfast</td>
<td>4D Skybridge, Foyer</td>
</tr>
<tr>
<td>8:00am - 9:00am</td>
<td>Opening Ceremony</td>
<td>4F</td>
</tr>
<tr>
<td>9:00am - 9:45am</td>
<td>John J. Conley Lecture “Building a Safe, High Quality and Effective Health Care System: Views from a Surgical Oncologist, CEO, and Deputy Minister of Health” – Robert S. Bell, MD</td>
<td>4F</td>
</tr>
<tr>
<td>9:45am - 10:15am</td>
<td>Keynote Lecture – Curt Cronin, Seal Team 6</td>
<td>4F</td>
</tr>
<tr>
<td>10:00am - 10:45am</td>
<td>Exhibit Hall Open</td>
<td>4E</td>
</tr>
<tr>
<td>10:15am - 10:45am</td>
<td>Break In Exhibit Hall</td>
<td>4E</td>
</tr>
<tr>
<td>10:45am - 12:15pm</td>
<td>PANELS OR PROFFERED PAPERS</td>
<td>4F</td>
</tr>
<tr>
<td></td>
<td>Panel: Imaging and Head and Neck Cancer: Pretreatment Assessment and Intraoperative Technology</td>
<td>4C-1-2</td>
</tr>
<tr>
<td></td>
<td>Panel: Genomics and Personalized Medicine Technology Guiding Head and Neck Cancer Care</td>
<td>4C-3</td>
</tr>
<tr>
<td></td>
<td>Panel: Sinonasal and Skull Base Surgery: Technology Advancing the Frontiers</td>
<td>4C-4</td>
</tr>
<tr>
<td></td>
<td>Proffered Papers: Imaging and Detection</td>
<td>Tahoma 1</td>
</tr>
<tr>
<td></td>
<td>Proffered Papers: Best of Clinical I</td>
<td>Tahoma 2</td>
</tr>
<tr>
<td></td>
<td>Proffered Papers: Robotics I</td>
<td>Tahoma 3</td>
</tr>
<tr>
<td></td>
<td>Proffered Papers: Outcomes/Quality of Life I</td>
<td>Tahoma 4</td>
</tr>
<tr>
<td>12:15pm - 1:45pm</td>
<td>Lunch On Own</td>
<td></td>
</tr>
<tr>
<td></td>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>12:30pm - 12:42pm</td>
<td>Industry Theater with Eisai - Understanding an Available Treatment for Locally Recurrent or Metastatic, Progressive</td>
<td>Exhibit Hall 4E</td>
</tr>
<tr>
<td>12:45pm - 1:00pm</td>
<td>Industry Theater with Cook - Advances in Salienodoscopy</td>
<td>Exhibit Hall 4E</td>
</tr>
<tr>
<td>1:15pm - 1:27pm</td>
<td>Industry Theater with Eisai - LEN VIMA AE Management Workshop</td>
<td>Exhibit Hall 4E</td>
</tr>
</tbody>
</table>
Designed for Precise Surgery

THUNDERBEAT
Open Fine Jaw

- Precise dissection
- Fastest cutting speed
- Reliable sealing
- Spot coagulation with advanced bipolar

Visit our booth at AHNS or contact an Olympus representative at 800-848-9024

© 2016 Olympus America Inc. Trademark or Registered Trademark of Olympus and its affiliated entities in the U.S. and/or other countries of the world. All patents apply.
Schedule at a Glance

Sunday (continued)

12:30pm - 1:30pm
LUNCH WITH PROFESSORS OR TUMOR BOARDS
- NCCN Guidelines
- Skull Base Imaging for the Endoscopic Surgeon
- Debate – Do We Change Treatment of HPV+ Disease Yet? Or What is the Ideal Treatment Algorithm for HPV+ OPC?
- Behavioral Science in Head and Neck Cancer
- Debate – Extent of Surgery in Thyroid Cancer
- Tumor Board: Melanoma
- Tumor Board: Oral Cavity
- Tumor Board: NPC

1:45pm - 3:15pm
PANELS OR PROFFERED PAPERS
- Panel: Technology for Assessment of the N0 Neck-Sentinel Node Lymphatic Imaging and Ultrasound
- Panel: Functional Rehabilitation of the Head and Neck Cancer Patient – Consider Case-based
- Panel: Technologies Transforming Parathyroid Surgery
- Proffered Papers: Cancer Biology
- Proffered Papers: Best of Basic Science
- Proffered Papers: Robotics II
- Proffered Papers: Immunotherapy
- Proffered Papers: Nasopharynx

3:15pm - 3:45pm
Break in Exhibit Hall

3:45pm - 5:15pm
PANELS OR PROFFERED PAPERS
- Panel: Technology for Imaging Assessment after Head and Neck Cancer Treatment
- Panel: Head and Neck Cancer Care: Challenges and Technological Barriers Across the World
- Panel: Salivary Gland Malignancy
- Proffered Papers: Functional Outcomes I
- Proffered Papers: Oropharynx
- Proffered Papers: Larynx/Hypopharynx
- Proffered Papers: Skin
- Proffered Papers: Reconstruction

5:30pm - 6:30pm
African Fellowship Interest Meeting

Monday, July 18, 2016

<table>
<thead>
<tr>
<th>TIME</th>
<th>EVENT</th>
<th>LOCATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:00am - 7:15am</td>
<td>Intuitive Surgical Symposia: Innovations in Robotic Surgery - Intuitive Breakfast Symposium - Dedicated to Technological Excellence – Non CME Activity</td>
<td>4C-2</td>
</tr>
<tr>
<td>6:00am - 7:15am</td>
<td>Medtronic Symposia: State-of-the-Art Neural Monitoring 2016 – Non CME Activity</td>
<td>4C-4</td>
</tr>
<tr>
<td>6:00am - 8:00am</td>
<td>Continental Breakfast</td>
<td>4D Skybridge Foyer</td>
</tr>
<tr>
<td>6:30am - 5:30pm</td>
<td>Registration Open</td>
<td>4D Skybridge</td>
</tr>
<tr>
<td>Time</td>
<td>Event</td>
<td>Location</td>
</tr>
<tr>
<td>--------------</td>
<td>----------------------------------------------------------------------</td>
<td>----------</td>
</tr>
<tr>
<td>7:30am - 8:30am</td>
<td>Jatin P. Shah Symposium - The Future of Head and Neck Cancer in 10 Years</td>
<td>4F</td>
</tr>
<tr>
<td>8:30am - 9:00am</td>
<td>AHNS Awards Ceremony</td>
<td>4F</td>
</tr>
<tr>
<td>9:00am - 9:45am</td>
<td>AHNS Presidential Address &amp; Presidential Citations</td>
<td>4F</td>
</tr>
<tr>
<td>9:45am - 10:30am</td>
<td>Keynote Lecture: Technology Implementation in a Safe and High Reliability Health Care Organization - Dave Williams, MD</td>
<td>4F</td>
</tr>
<tr>
<td>10:00am - 4:00pm</td>
<td>Exhibit Hall Open</td>
<td>4E</td>
</tr>
<tr>
<td>10:30am - 10:45am</td>
<td>Break in Exhibit Hall</td>
<td>4E</td>
</tr>
<tr>
<td>10:45am - 12:15pm</td>
<td>VIDEO SESSIONS, PANELS OR PROFFERED PAPERS</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Video Sessions: How I Do It – Part 1</td>
<td>4F</td>
</tr>
<tr>
<td></td>
<td>Panel: Evolving Role of Induction Chemotherapy</td>
<td>4C-1-2</td>
</tr>
<tr>
<td></td>
<td>Panel: Changing Landscape in Management of Thyroid Cancers</td>
<td>4C-3</td>
</tr>
<tr>
<td></td>
<td>Panel: The Current Management of Melanoma: A Multidisciplinary Approach</td>
<td>4C-4</td>
</tr>
<tr>
<td></td>
<td>Proffered Papers: Basic Science</td>
<td>Tahoma 1</td>
</tr>
<tr>
<td></td>
<td>Proffered Papers: New Therapeutic Targets &amp; Diagnostics</td>
<td>Tahoma 2</td>
</tr>
<tr>
<td></td>
<td>Proffered Papers: Oropharynx II</td>
<td>Tahoma 3</td>
</tr>
<tr>
<td></td>
<td>Proffered Papers: Skull Base</td>
<td>Tahoma 4</td>
</tr>
<tr>
<td>12:00pm - 1:00pm</td>
<td>Ad Hoc Journal Committee Meeting</td>
<td>Sheraton - University</td>
</tr>
<tr>
<td>12:15pm - 1:45pm</td>
<td>LUNCH WITH PROFESSORS OR TUMOR BOARDS</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Management of Combined Modality Toxicities</td>
<td>4F</td>
</tr>
<tr>
<td></td>
<td>Value Based Oncology and Clinical Pathways</td>
<td>4C-1-2</td>
</tr>
<tr>
<td></td>
<td>Targeted Agents and Immunotherapies in 2016</td>
<td>4C-3</td>
</tr>
<tr>
<td></td>
<td>Functional Imaging</td>
<td>4C-4</td>
</tr>
<tr>
<td></td>
<td>Prospective Trials in Head and Neck Cancer</td>
<td>Tahoma 1</td>
</tr>
<tr>
<td></td>
<td>Tumor Board: Pharynx/Larynx</td>
<td>Tahoma 2</td>
</tr>
<tr>
<td></td>
<td>Tumor Board: Thyroid</td>
<td>Tahoma 3</td>
</tr>
<tr>
<td></td>
<td>Tumor Board: Reducing Morbidity in Endoscopic Skull Base Procedures</td>
<td>Tahoma 4</td>
</tr>
<tr>
<td>1:45pm - 3:15pm</td>
<td>PANELS OR PROFFERED PAPERS</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Panel: HPV: Epidemiology, Behavior, Prevention and Clinical Implications</td>
<td>4F</td>
</tr>
<tr>
<td></td>
<td>Panel: New Targeted Therapies in Head and Neck Cancer</td>
<td>4C-1-2</td>
</tr>
<tr>
<td></td>
<td>Panel: Concurrent Chemoradiotherapy: Controversies</td>
<td>4C-3</td>
</tr>
<tr>
<td></td>
<td>Proffered Papers: Potpourri</td>
<td>4C-4</td>
</tr>
<tr>
<td></td>
<td>Proffered Papers: Management of the Neck</td>
<td>Tahoma 1</td>
</tr>
<tr>
<td></td>
<td>Proffered Papers: Education</td>
<td>Tahoma 2</td>
</tr>
<tr>
<td></td>
<td>Proffered Papers: Oral Cavity</td>
<td>Tahoma 3</td>
</tr>
<tr>
<td></td>
<td>Proffered Papers: Salivary Gland</td>
<td>Tahoma 4</td>
</tr>
<tr>
<td>3:15pm - 3:45pm</td>
<td>Break in Exhibit Hall</td>
<td>4E</td>
</tr>
</tbody>
</table>
### Schedule at a Glance

<table>
<thead>
<tr>
<th>3:45pm - 5:15pm</th>
<th>PANELS OR PROFFERED PAPERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Panel: Management of Advanced Oropharyngeal Cancer in the Era of HPV and TORS</td>
<td>4F</td>
</tr>
<tr>
<td>Proffered Papers: Oral Cavity &amp; Oropharynx</td>
<td>4C-1-2</td>
</tr>
<tr>
<td>Panel: Adjunct Postoperative Therapy</td>
<td>4C-3</td>
</tr>
<tr>
<td>Panel: Quality Improvement in Head and Neck Cancer Care</td>
<td>4C-4</td>
</tr>
<tr>
<td>Proffered Papers: Reconstruction II</td>
<td>Tahoma 1</td>
</tr>
<tr>
<td>Proffered Papers: Cancer Biology II</td>
<td>Tahoma 2</td>
</tr>
<tr>
<td>Proffered Papers: Cancer Screening/Detection</td>
<td>Tahoma 3</td>
</tr>
<tr>
<td>Proffered Papers: Potpourri II</td>
<td>Tahoma 4</td>
</tr>
</tbody>
</table>

| 5:30pm - 7:00pm | Poster Session with Wine & Cheese | 4E |
| 6:30pm - 8:30pm | Past Presidents’ Reception – Invite Only | 4C-3 |

### Tuesday, July 19, 2016

<table>
<thead>
<tr>
<th>TIME</th>
<th>EVENT</th>
<th>LOCATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:30am - 5:00pm</td>
<td>Registration Open</td>
<td>4D Skybridge</td>
</tr>
<tr>
<td>6:30am - 7:30am</td>
<td>New Member/Non-Member Breakfast</td>
<td>Tahoma 1</td>
</tr>
<tr>
<td>6:30am - 7:30am</td>
<td>Continental Breakfast</td>
<td>4D Skybridge Foyer</td>
</tr>
<tr>
<td>7:30am - 9:00am</td>
<td>Milton J. Dance Symposium: Optimizing Survivorship – Prevention Through Late Effects</td>
<td>4F</td>
</tr>
<tr>
<td>9:15am - 10:00am</td>
<td>Hayes Martin Lecture</td>
<td>4F</td>
</tr>
<tr>
<td>10:00am - 10:30am</td>
<td>Exhibit Hall Open</td>
<td>4E</td>
</tr>
<tr>
<td>10:30am - 12:00pm</td>
<td>Break in Exhibit Hall</td>
<td>4E</td>
</tr>
<tr>
<td>12:00pm - 1:30pm</td>
<td>Lunch On Own</td>
<td>4C-1-2</td>
</tr>
<tr>
<td>12:15pm - 12:27pm</td>
<td>Industry Theater with Vigilant BioSciences</td>
<td>Exhibit Hall 4E</td>
</tr>
<tr>
<td>12:15pm - 1:15pm</td>
<td>AHNS Business Meeting For AHNS Members Only</td>
<td>4F</td>
</tr>
<tr>
<td>1:30pm - 3:00pm</td>
<td>VIDEO SESSIONS, PANELS OR PROFFERED PAPERS</td>
<td>4F</td>
</tr>
<tr>
<td>1:30pm - 3:00pm</td>
<td>Video Session: How I Do It – Part 2</td>
<td>4C-1-2</td>
</tr>
<tr>
<td>1:30pm - 3:00pm</td>
<td>Panel: Genomics and Genetics in Evaluation of Thyroid Nodules</td>
<td>4C-3</td>
</tr>
<tr>
<td>1:30pm - 3:00pm</td>
<td>Panel: State-Of-The Art Management of Oropharyngeal Cancer</td>
<td>4C-4</td>
</tr>
<tr>
<td>1:30pm - 3:00pm</td>
<td>Panel: Targeted Therapeutics and Translational Research</td>
<td>Tahoma 1</td>
</tr>
<tr>
<td>1:30pm - 3:00pm</td>
<td>Proffered Papers: Cancer Imaging</td>
<td>Tahoma 2</td>
</tr>
<tr>
<td>1:30pm - 3:00pm</td>
<td>Proffered Papers: Oral Cavity II</td>
<td>Tahoma 3</td>
</tr>
<tr>
<td>1:30pm - 3:00pm</td>
<td>Proffered Papers: Thyroid</td>
<td>Tahoma 4</td>
</tr>
<tr>
<td>1:30pm - 3:00pm</td>
<td>Proffered Papers: Potpourri III</td>
<td>Tahoma 5</td>
</tr>
<tr>
<td>1:30pm - 3:00pm</td>
<td>Proffered Papers: Metastasis</td>
<td>Tahoma 5</td>
</tr>
</tbody>
</table>
Tuesday, July 19, 2016 (continued)

3:00pm - 3:30pm  Break in Exhibit Hall  4E
3:30pm - 5:00pm  PANELS OR PROFFERED PAPERS
Panel: Systemic Therapy for Rare Head and Neck Cancers  4C-1-2
Panel: Management of Larynx/Hypopharynx Cancer  4C-3
Panel: Challenges in Head and Neck Reconstruction: Now and the Future  4C-4
Proffered Papers: Radiotherapy  Tahoma 1
Proffered Papers: Oral Cavity III  Tahoma 2
Proffered Papers: Outcomes/Quality of Life II  Tahoma 3
Proffered Papers: New Therapeutic Targets II  Tahoma 4
Proffered Papers: Larynx I  Tahoma 5

5:15pm - 6:30pm  Fellowship Information Session  Tahoma 1
5:15pm - 6:30pm  Bristol-Myers Squibb Symposia - Non CME Activity  4C-3
7:15pm - 9:30pm  AHNS President’s Reception at Experience Music Project – Shuttle pickup outside Convention Center on Convention Place

Wednesday, July 20, 2016

<table>
<thead>
<tr>
<th>TIME</th>
<th>EVENT</th>
<th>LOCATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:30am - 7:30am</td>
<td>AHNS 2017 Program Committee Meeting</td>
<td>Sheraton - Ravenna</td>
</tr>
<tr>
<td>7:00am - 8:00am</td>
<td>Continental Breakfast</td>
<td>4D Skybridge Foyer</td>
</tr>
<tr>
<td>7:00am - 12:00pm</td>
<td>Registration Open</td>
<td>4D Skybridge Foyer</td>
</tr>
<tr>
<td>7:30am - 8:15am</td>
<td>Ethics and Professionalism Symposium</td>
<td>4F</td>
</tr>
<tr>
<td>8:15am - 8:30am</td>
<td>Closing Comments</td>
<td>4F</td>
</tr>
<tr>
<td>9:15am - 9:30am</td>
<td>Break in Foyer</td>
<td></td>
</tr>
<tr>
<td>9:30am - 11:00am</td>
<td>PANELS OR PROFFERED PAPERS</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Proffered Papers: Skin Cancer and Salivary Gland</td>
<td>4F</td>
</tr>
<tr>
<td></td>
<td>Panel: Actionable Therapy Based on TCGA Data</td>
<td>4C-1-2</td>
</tr>
<tr>
<td></td>
<td>Panel: The Science of HPV</td>
<td>4C-3</td>
</tr>
<tr>
<td></td>
<td>Panel: Management of the Neck – New and Emerging Issues</td>
<td>4C-4</td>
</tr>
<tr>
<td></td>
<td>Proffered Papers: Thyroid/Parathyroid II</td>
<td>Tahoma 1</td>
</tr>
<tr>
<td></td>
<td>Proffered Papers: Larynx II</td>
<td>Tahoma 2</td>
</tr>
<tr>
<td></td>
<td>Proffered Papers: Reconstruction IV</td>
<td>Tahoma 3</td>
</tr>
<tr>
<td></td>
<td>Proffered Papers: Imaging</td>
<td>Tahoma 4</td>
</tr>
<tr>
<td>11:00am - 12:30pm</td>
<td>PANELS OR PROFFERED PAPERS</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Panel: Future Immunotherapeutic Developments for Head and Neck Cancer</td>
<td>4C-1-2</td>
</tr>
<tr>
<td></td>
<td>Panel: Management of the Head and Neck Surgical Career</td>
<td>4C-3</td>
</tr>
<tr>
<td></td>
<td>Panel: Robotics in Head and Neck Cancer Surgery</td>
<td>4C-4</td>
</tr>
<tr>
<td></td>
<td>Proffered Papers: Outcomes/Quality of Life III</td>
<td>Tahoma 1</td>
</tr>
<tr>
<td></td>
<td>Proffered Papers: Cancer Biology IV</td>
<td>Tahoma 2</td>
</tr>
<tr>
<td></td>
<td>Proffered Papers: Basic Science II</td>
<td>Tahoma 3</td>
</tr>
<tr>
<td></td>
<td>Proffered Papers: Functional Outcomes II</td>
<td>Tahoma 4</td>
</tr>
</tbody>
</table>
INSTRUCTIONAL COURSES #1

Saturday, July 16, 2016

8:00 am - 9:00 am

Thyroid Nodule Molecular Testing – Assays and Decision Making
Moderator: Russell B. Smith, MD

We will present data on the different molecular tests that can be applied to patients with nodular disease of the thyroid. We will then use a case presentation format to demonstrate application of this new diagnostic tool.

Molecular Testing for Indeterminate Thyroid Nodules - Robert L. Witt, MD
RET Profiling in Medullary Thyroid Cancer - Ken-ichi Nibu, MD
Case Presentations - Russell B. Smith, MD,

At the conclusion of this session, participants will be able to:
• Compare the different molecular tests available for assessment of thyroid nodules.
• Choose the patient with a thyroid nodule who may benefit from the use of molecular testing.

Enhancing Roles and Collaborations of PA/NP in H&N Practice
Moderator: Carol Stimson, MD
Speakers: Yelana Brukhis, MD; Jan Pryor, MD; Amanda Sullivan, MD

Panel discussion by members will include a role description followed by two case studies. Goal is to present the relationship and interaction between care providers and ongoing collaboration for cohesive, comprehensive care of head and neck cancer patients pre-surgery/treatment and post therapy.

At the conclusion of this session, participants will be able to:
• Understand the role of each panel participant and importance in providing care for head and neck cancer patients.

NCI Cooperative Group Trial Portfolios – Novel Agents and Designs
Moderator: Erich M. Sturgis, MD

A brief overview of NCI / NCTN mechanism and organizational structure will be provided. There will be a more detailed review of the trial portfolio (including novel agents and designs) of the two cooperative groups with dedicated head and neck groups (ECOG and NRG). Significant time for open discussion will be allotted.

Introduction - Erich M. Sturgis, MD
Overview of the NCI / NCTN - Erich M. Sturgis, MD
Overview of the ECOG Trials - John A. Ridge, MD, PhD
Overview of the NRG Trials - Christine Chung, MD
Scientific Program

At the conclusion of this session, participants will be able to:

• Understand the mechanism of how a trial is developed through the NCI cooperative trials process.

Oropharynx Cancer Management 2016 4C-4
Moderator: Peter E. Andersen, MD

This course will focus on the treatment of squamous carcinoma of the oropharynx. Focus will be on pathogenesis including the role of HPV infection, the role surgery including transoral robotic surgery and indications for definitive and adjuvant treatment with radiation or chemo/radiation.

Introduction - Peter E. Andersen, MD
Pathogenesis, Role of HPV - Cherie-Ann O. Nathan, MD
Role of Surgical Therapy - Peter E. Andersen, MD
Role of Definitive and Adjuvant Radiation and Chemo/Radiation - Andy Clump, MD, PhD

At the conclusion of this session, participants will be able to:

• Understand the pathogenesis of oropharyngeal squamous carcinoma including the role of HPV infection.

Nasopharynx Cancer Management 2016 Tahoma 1
Moderator: A Dimitrios Colevas, MD

This will be three lectures, each followed by round table discussion with Q and A audience participation.

Evolving Radiation in NPC From 2 D Thru Flash and Protons and Other New Techniques - Anne W. M. Lee, MD
New Drugs and Paradigms in NPC, Focus on Recurrent/ Metastatic Disease - A. Dimitrios Colevas, MD
The Surgery Can Play in NPC: Nasopharyngectomy - Mu-Kuan Chen, MD

At the conclusion of this session, participants will be able to:

• Discuss in a more informed way with patients salvage surgical options for locally recurrent NPC
• Understand the breadth of systemic options for r/m disease, both standard, and experimental, and refer pts accordingly
• Understand that XRT techniques have evolved substantially and that radiation expertise specific to NPC is of significant clinical impact.

Robotics or Laser for Transoral Surgery Tahoma 2
Moderator: Richard V. Smith, MD

We will use case based scenarios to discuss the use of transoral robotic surgery (TORS) and transoral laser microsurgery (TLM) for the management of head and neck cancer, specifically focusing upon the management of oropharyngeal, laryngeal and hypopharyngeal cancers.
Scientific Program

Scientific Program Pre-Meeting Courses

Saturday, July 16, 2016

Introduction to Transoral Surgery to Manage Head And Neck Cancer - Richard V. Smith, MD
Transoral Oropharyngeal Cancer Surgery - David M. Cognetti, MD
Transoral Laryngeal Cancer Surgery - Richard V. Smith, MD
Transoral Hypopharyngeal Cancer Surgery - Chen-Chi Wang, MD

At the conclusion of this session, participants will be able to:

- Understand the benefits and limitations of transoral surgical management of head and neck cancer.

Immunotherapy – New Targets, Agents, and Clinical Trial Data
Moderator: Nabil Saba, MD

This session will provide an overview of the role of Immunotherapy in the treatment of Head and Neck Squamous cell Carcinomas (HNSCC); it will describe novel targets and agents and provide an update on the current clinical evidence supporting the use of these agents in different stages of this disease.

- Introduction - Nabil Saba, MD
- The Opportunities and Barriers to Immunotherapy in HNSCC - Nabil Saba, MD
- A Patient Centered Approach to Immunotherapy in the Treatment of Recurrent Metastatic HNSCC - Tanguy Seiwert, MD
- Novel Therapeutic Approaches in the Locally Advanced Setting - Ravindra Uppaluri, MD, PhD

At the conclusion of this session, participants will be able to:

- Formulate a better understanding of the value of these agents in terms of clinical benefits (i.e. differences from cytotoxic chemotherapy in terms of responses survival and quality of life.

Skull Base Surgery: Open and Endoscopic Approaches (2 hour session)
Moderator: Ehab Y. Hanna, MD
Speakers: Dan M. Fliss, MD; Piero Nicolai, MD; Ian J. Witterick, MD, FRCSC

8:00 am - 11:45 am AHNS/AAOHNS Thyroid and Parathyroid Surgery Course For Residents and Fellows
Moderator: David J. Terris, MD & Ralph Tufano, MD

This course will update residents and fellows on the newest evidence based data in the management of thyroid and parathyroid disease and emphasize surgical technique that will optimize outcomes.

- Introduction - David Goldenberg, MD
- Essential Surgical Elements of New ATA Guidelines - Ralph P. Tufano, MD
- Molecular Markers in 2016 - Robert L. Ferris, MD, PhD
- How to Perform Difficult Maneuvers in Thyroid Surgery - Edmund D. Pribitkin, MD
Scientific Program

Superior Pole and External Branch of Superior Laryngeal Nerve - Edmund D. Pribitkin, MD
Management of the RLN at Ligament of Berry - D. Gregory Farwell, MD
Parathyroid Preservation - Maisie Shindo, MD
Central Neck - Michael A. Singer, MD
Lateral Neck - David Goldenberg, MD
Invasive Thyroid Cancer - Joseph Scharpf, MD
Work-Up of the Patient with an Elevated Serum Calcium - Jeffrey M. Bumpous, MD
Pre and Intra-op Adjuncts for Successful Surgery - Phillip Pellitteri, MD,
Parathyroid Cases - David J. Terris, MD; Brendan Stack, MD; Kevin Brumund, MD; Jason Hunt, MD; Alfred Simental, MD; Umanaheswar, MD, PhD
Career Opportunities in Endocrine Surgery - Gregory L. Randolph, MD

At the conclusion of this session, participants will be able to:

- To understand the new ATA Guidelines and molecular markers as they apply to extent of surgery for thyroid nodules and thyroid cancer.
- Be able to identify the difficult maneuvers in thyroid surgery and techniques to optimize outcomes.
- To understand differences in neck dissection for thyroid cancer.
- Be able to confidently work-up the patient with an elevated serum calcium.
- To understand and use pre and intra-operative adjuncts to perform successful parathyroid surgery.

Supported in part by a generous educational grant from Ethicon Endo-Surgery, Inc.

9:00 am - 10:00 am INSTRUCTIONAL COURSES #2

Sialoendoscopy
4F

Moderator: M. Boyd Gillespie, MD, MS

The instructors will use a case-based approach to demonstrate the use of sialendoscopy in the management of obstructive and inflammatory disorders of the salivary glands.

Sialendoscopy for Salivary Stones - Vincent Vander Poorten, MD
Sialendoscopy for Non-Stone Disorders - Rohan R. Walvekar, MD
Case Presentations - M. Boyd Gillespie, MD, MS

At the conclusion of this session, participants will be able to:

- Recognize benign and inflammatory salivary disorders amenable to treatment with sialendoscopy.
**Research Using Large Data Sets: Pearls and Pitfalls of the Major Data Sources**

Moderator: Louise Davies, MD, MS

Learn what resources are available through national databases to answer questions of interest to head & neck surgeons. We will cover pros and cons of various databases for answering specific questions, and review how to access these resources.

- **Introduction** - Louise Davies, MD, MS
- **SEER** - Louise Davies, MD, MS
- **SEER Medicare and the NCDB** - Amy Y. Chen, MD, MPH
- **NIS and Summary** - Jose P. Zevallos, MD, MPH

At the conclusion of this session, participants will be able to:

- Identify the major cancer data sources available in the U.S.
- Differentiate the strengths and weaknesses of the data sources.
- Craft potential research questions which might be posed using the databases.

**Salvage Surgery – When It’s Possible, How to Plan and Surgical Tips**

Moderator: Danny Enepekides, MD, FRCS

This session will examine the indications/contraindications for salvage surgery of the head and neck, review outcomes, discuss surgical planning and reconstructive considerations, and the appropriateness of adjuvant therapies.

- **Introduction** - Danny Enepekides, MD, FRCS
- **Salvage Surgery - When and When Not To Do It** - Prathamesh Pai, MS, DNB, DORL, MNAMS
- **Planning for Salvage Surgery; What Next - Adjuvant Therapies to Consider** - Danny Enepekides, MD, FRCS
- **Case Presentation** - Prathamesh Pai, MS, DNB, DORL, MNAMS

At the conclusion of this session, participants will be able to:

- Better determine the appropriateness of surgical salvage.
- Develop a treatment plan for recurrent head and neck cancer.
- Appreciate the risks and benefits of retreatment strategies.

**Assessment of Treatment Response After Chemoradiotherapy**

Moderator: Hisham Mehanna, PhD, MD

Speaker: Sandro V. Porceddu, MD & John Waldron, MD
Scientific Program

Parathyroid Disease
Moderator: Jeremy L. Freeman, MD
Speakers: Ralph P. Tufano, MD & Ramon Esclamado, MD

Preventing Dysphagia
Moderator: Giselle Carnaby, MD, MPH, PhD
The session will use a panel presentation and discussion to present current approaches and advancements in preventing dysphagia during Head Neck Cancer Treatment.

Introduction - Giselle Carnaby, MD, MPH, PhD
Prophylaxis for Dysphagia in HNC: More Than Eat and Exercise? - Giselle Carnaby, MD, MPH, PhD
Impact of Standard and IMRT External Beam Radiotherapy on Dysphagia and Esophageal Stenosis - Eric Genden, MD
Talk TBD - Laureano A. Giraldez-Rodriguez, MD

At the conclusion of this session, participants will be able to:
- Recognize the potential benefits of exercise based prophylactic interventions during Chemo +/- radiotherapy for HNC.
- Articulate the impact of standard and IMRT external beam radiotherapy on dysphagia and esophageal stenosis.
- Assess the application of medical and non medical approaches to prevention of dysphagia during HNC treatment in their facility.

Parapharyngeal Space Tumors
Moderator: David W. Eisele, MD
Speakers: Young-Soo Rho, MD & Mark C. Weissler, MD

10:00 am – 10:30 am Break In Foyer

10:30 am – 11:30 am INSTRUCTIONAL COURSES #3

Robotic Surgery for Oropharyngeal and Laryngeal Cancer
Moderator: Jeffery S. Magnuson, MD
Speaker: Enver Ozer, MD; Marc J. Remacle, MD, PhD; Tsung-Lin Yang, MD

Biomarkers and Signature Therapeutics: Integrating into Clinical Practice
Moderator: Christine Chung, MD
In this session, existing genomic technology and data that have led to biomarkers and therapeutic signatures will be reviewed. In addition, novel biomarkers in immunotherapy, application of genomic technology to therapeutic target discovery, and integration to clinical practice will be discussed.

Introduction - Christine Chung, MD
Updates on Discovery Technology - Christine Chung, MD
Integration of Genomics to Clinical Practice - Laura Chow, MD
Scientific Program

Pre-Meeting Courses

Saturday, July 16, 2016

**Functional Genomics for Therapeutic Target Discovery**
- Eduardo Mendez, MD

At the conclusion of this session, participants will be able to:

- Understand the multidimensional factors in development of biomarkers for head and neck cancer patients.
- Determine the role of genomic assays in current management of head and neck cancer patients.
- Recognize the importance of developing biomarkers to predict treatment outcomes in head and neck cancer patients.

---

**Epidemiology, Biology and Detection of HPV in Head and Neck Cancer**

**Moderator: John A. Ridge, MD, PhD**

The session will involve presentations and Q&A surrounding the global incidence of HPV in squamous carcinoma of the head and neck (including specific information about HPV related oropharyngeal cancers in Taiwan), the prevalence and prognostic role of HPV in Europe (where there are many smokers), issues surrounding recurrent cancers, and current detection methodologies and surrogate markers.

- **HPV Head & Neck Cancer** - John A. Ridge, MD, PhD
- **The Global Incidence of HPV Head & Neck Cancer** - Pei-Jen Lou, MD, PhD
- **HPV Head & Neck Cancer in Europe** - Inge Tinhofer, PhD
- **HPV Head & Neck Cancer: Detection Methods** - Raja Seethala, MD

At the conclusion of this session, participants will be able to:

- Recognize the global incidence of HPV in squamous cell carcinoma of the head and neck.
- Assess the prevalence and prognostic role of HPV in Europe, where there are high numbers of smokers.
- Distinguish the detection methodologies and surrogate markers available for HPV associated squamous cell carcinoma of the head and neck.

---

**Management of Pre-Malignant Lesions of the Head and Neck**

**Moderator: Ann M. Gillenwater, MD**

This session will review the epidemiology and risk factors for oral premalignant lesions (OPLs), provide updated information on techniques for screening and diagnosis of OPLs and early oral cancers, and discuss current and future management options.

- **Introduction** - Ann M. Gillenwater, MD
- **OPLs, OPMDs and Oral Cancer** - Ann M. Gillenwater, MD
- **Techniques for Detection and Diagnosis of OPLs** - Camile Farah, PhD, MDSc
- **Management Approaches for OPL patients** - Karen T. Pitman, MD
Scientific Program

At the conclusion of this session, participants will be able to:

- Diagnose patients with oral premalignant lesions (OPLs) and oral potentially malignant disorders (OPMDs).
- Identify those patients at highest risk for developing oral cancer.
- Develop an evidence-based management strategy for patients with OPLs and OPMDs.

Salivary Gland Malignancy
Moderator: Patrick K. Ha, MD

The session will highlight the diagnostic workup, surgical management, and adjuvant therapy options for patients with salivary gland cancer. It will also discuss 2 challenging cases that highlight the nuances of treatment options.

Introduction - Surgical Management - Regional Disease - Patrick K. Ha, MD
Diagnostic Workup of Salivary Gland Tumors - Seungwon Kim, MD
Surgical Management of Salivary Gland Cancers - Dennis H. Kraus, MD
Adjuvant Therapy in Salivary Gland Cancers - Patrick K. Ha, MD
Case Studies in Salivary Gland Cases - Patrick K. Ha, MD

At the conclusion of this session, participants will be able to:

- Recommend the proper diagnostic workup for salivary gland tumors.
- Formulate a surgical plan that is appropriate for the disease.
- Discuss possible adjuvant treatments with their patients.

Innovations in Dysphagia Management
Moderator: Rosemary Martino, MSc, PhD

This session will present promising new dysphagia interventions that aim to target the patient’s swallow related issues. These will include: pain management, exercise compliance, psychological burden, dysphagia awareness and overall health.

Introduction - Rosemary Martino, MSc, PhD
Adherence and Pain Management - Heather Starmer, MA
Advocacy and Health Burden - Rosemary Martino, MSc, PhD

At the conclusion of this session, participants will be able to:

- Articulate new and emerging interventions for dysphagia in persons with HNC.
- Develop an intervention for patients who have dysphagia due to HNC incorporating new techniques.
- Recognize how swallow recovery can be maximized by targeting patient issues related to pain, compliance and overall health.
Reconstruction of Laryngectomy Defects - Controversies
Moderator: Terry A. Day, MD
This session will address the current state of the art and controversies surrounding reconstruction of partial and total laryngopharyngeal defects.

Introduction - Terry A. Day, MD
Classification of Common Laryngopharyngeal Defects - Terry A. Day, MD
Current Approaches to Reconstruction of Laryngopharyngeal Defects - Brian B. Burkey, MD, MEd
Current Approaches to Laryngopharyngeal Defects - Eben L. Rosenthal, MD

At the conclusion of this session, participants will be able to:
• Outline the common laryngopharyngeal defects and the historic standard of care for reconstruction of these defects.
• Provide an updated algorithm for management of these defects with locoregional and free tissue transfer options with technical considerations
• Discuss the method and timing of vocal rehabilitation in patients undergoing salvage laryngectomy with flap reconstruction
• Critically debate the advantages and disadvantages of each defect/reconstructive option

State of the Art in Mandibular and Maxillary Reconstruction
Moderator: Neal D. Futran, MD, DMD
This session will involve 3 panelists who will discuss issues relevant to the reconstruction of mandibular and maxillary defects. We will present concepts and surgical techniques relevant to restoring the relevant anatomy to optimize speech, swallowing and cosmesis

Mandibular Reconstruction - Douglas A. Girod, MD
Maxillary Reconstruction - Matthew Old, MD
Virtual Surgical Planning - Neal D. Futran, MD, DMD

At the conclusion of this session, participants will be able to:
• Understand the available vascularized tissue options for mandibular and maxillary reconstruction
• Describe the anatomy and harvest techniques of the available flaps
• Employ virtual surgical planning to optimize reconstructive outcomes

11:30 am - 1:00 pm Lunch On Own
Scientific Program

Transoral Surgery for Head and Neck Pathology Course with Hands-On Robotic and Laser Sessions

This activity is not accredited for CME.
Ticket required to enter course.

This course is supported in part by the following companies:
Lumenis, Medrobotics and Omni-Guide

12:00 PM  TOS and the “Inside-Out” Approach - Three Dimensional Anatomy - Umamaheswar Duvvuri, MD, PhD
12:20 PM  An Update on TOS for Oropharyngeal Cancer - New Evidence and Clinical Trials - Chris Holsinger, MD
12:40 PM  Emerging Technology for TOS - Stephan Lang, MD
01:00 PM  TORS for Supraglottic and Total Laryngectomy - George Lawson, MD
01:20 PM  A New Paradigm for the Management of the Unknown Primary - Eduardo Mendez, MD
01:40 PM  TOS for Sleep Apnea - Claudio Vicini, MD
02:10 PM  Robotics-Assisted Neck Dissection - Yoon Woo Koh, MD, PhD
02:30 PM  Morbidity and Costs Associated with Oropharyngeal Cancer Treatment: A Comparison of Different TOS Modalities and Chemoradiation - Vikas Mehta, MD
02:50 PM  Video Case-Based Panel Discussion - Which Approach/Technology Would I Use and Why? Moderators: Umamaheswar Duvvuri, MD, PhD; Vikas Mehta, MD; Eduardo Mendez, MD
Speakers: David Goldenberg, MD; Stephan Lang, MD; George Lawson, MD; Jeffery S. Magnuson, MD; Bert W. O’Malley, MD

Instructor Courses #4

Transoral Laser Surgery for the Pharynx and Larynx
Moderator: Michael L. Hinni, MD
Speakers: Kang-Dae Lee, MD; & Andrew McWhorter, MD

We will use case presentations in a “tumor board” format, to explore the relevance of transoral surgery and laser technology in treating neoplasia of the upper aerodigestive tract. Case presentations will include imaging and surgical videos to explore the scope and possibilities of this technique.

At the conclusion of this session, participants will be able to:
• Articulate the role of transoral surgery in the multidisciplinary setting.
• Identify therapeutic advantages/disadvantages of CO2 and KTP wavelengths
• Apply exposure and resection techniques to advanced T stage tumors of the pharynx and larynx
Scientific Program

Immunology/Immunotherapy in Head and Neck Cancer
Moderator: R. Bryan Bell, MD, DDS

Immunotherapy is currently transforming the practice of oncology. In addition to providing the attendees with an update on clinical trials currently available to patients with head and neck cancer, this course will review tumor heterogeneity, checkpoint blockade, and novel approaches towards overcoming immunosuppression in the tumor microenvironment.

Introduction - R. Bryan Bell, MD, DDS
Head and Neck Tumor Cell Heterogeneity and Immune Checkpoint Inhibition - John Sunwoo, MD, PhD
Changing the Tumor Microenvironment by Targeting TLR and the M2 Tumor Associated Macrophage (TAM) Phenotype - Ezra E.W. Cohen, MD

At the conclusion of this session, participants will be able to:
- Be aware of recent advances in immuno-oncology and the currently available clinical trials open to patients with head and neck cancer.
- Be familiar with novel strategies for altering the tumor microenvironment by targeting TLR and the M2 tumor associated macrophage (TAM) phenotype
- Understand head and neck tumor cell heterogeneity and immune checkpoint inhibition.

Using HPV Status in the Clinic
Moderator: Daniel G. Deschler, MD

The session will review the relevant clinical tests related to HPV related oropharyngeal cancers which are currently used in clinical practice. The relevant clinical trial which utilize the results of these results for inclusion criteria will be introduced. The difficult patient and support system questions related to HPV associated cancers will be reviewed offering a platform for discussing these issues.

Introduction - Daniel G. Deschler, MD
Ongoing Clinical Trials Related to HPV of the Oropharynx - Robert I. Haddad, MD
Clinical Tests and Biomarkers Related to HPV - Seungwon Kim, MD
Challenging Patient Discussions Related to HPV - Daniel G. Deschler, MD

At the conclusion of this session, participants will be able to:
- Integrate the current tests and biomarkers related to HPV related oropharyngeal cancer into clinical practice.
- Recognize the appropriate clinical trials relevant to patients with HPV related oropharyngeal cancers
- Employ an effective platform for discussing challenging issues related to HPV
Scientific Program

New Developments in Systemic Therapy
Moderator: A Dimitrios Colevas, MD
Speakers: Lori Wirth, MD & Nabil Saba, MD

Thyroid Cancer: Early and Advanced
Moderator: Amy Y. Chen, MD, MPH
In this course, the instructors will discuss the newly reported pathologic entity (NIFTP) and its implications (early) and management of recurrent vs. persistent thyroid cancer (advanced).

Introduction - Amy Y. Chen, MD, MPH
Diagnosis and Management of NIFTP - Gregory L. Randolph, MD
Recurrent vs Persistent Thyroid Cancer: Diagnosis and Optimal Treatment - Christopher F.L. Perry, MD

At the conclusion of this session, participants will be able to:
• Explain the criteria and clinical implications of identifying NIFTP. And discuss the criteria for identifying recurrent vs. persistent thyroid cancer and optimal treatment strategies.
• Discuss the clinical implications of NIFTP with referring physicians and patients.
• Review criteria and management of persistent/ recurrent thyroid cancer with referring physicians and patients.

How to Establish a Survivorship Program
Moderator: Matthew C. Miller, MD
This session will review the concept and practice of survivorship care as a unique discipline. Under these constructs, we will provide attendees with resources and a framework for building a survivorship program for their own population of head and neck cancer patients.

Introduction - Matthew C. Miller, MD
Key Components of Survivorship Care - Kelly M. Malloy, MD
Learning the Needs/Meeting the Needs - G Jolie Ringash, MD
Putting it All Together - Matthew C. Miller, MD

At the conclusion of this session, participants will be able to:
• Understand the key components of survivorship care
• Discuss and prioritize the survivorship needs germane to patients with head and neck cancers
• Implement the use of a cancer treatment summary for patients with head and neck malignancy

Using ATA 2015 Guidelines
Moderator: Cristina P. Rodriguez, MD
This session will review the ATA 2015 guidelines and apply them to select cases for discussion.

ATA Guidelines Overview - Bryan Haugen, MBCh, FRACS
Case Presentations - Cristina P. Rodriguez, MD; Bryan Haugen, MBCh, FRACS; & Jeremy Freeman, MD
Scientific Program

At the conclusion of this session, participants will be able to:

- Discuss and be familiar with the 2015 ATA guidelines
- Review challenging clinical cases the frequently present themselves in clinical practice
- Apply the ATA guidelines to these challenging cases

How to Establish a Surgical Quality and Performance Monitoring Program

Moderator: Amy C. Hessel, MD

In this Quality and Safety instructional course, we will introduce and define quality of care in medicine; and will discuss why measuring quality is necessary, and how it can be implemented in a busy academic surgical practice. We will demonstrate examples of how process improvement projects can be introduced into the work flow in order to institute change in practice that reduce variability, improve efficiency and patient satisfaction, and reduce cost.

Introduction - Amy C. Hessel, MD
Introduction to Quality in Medicine - Amy C. Hessel, MD
Tools for Quality Improvement - Carl H. Snyderman, MD, MBA
Practical Uses of Quality Programs and Performance Monitoring In a Surgical Practice - Randal S. Weber, MD

At the conclusion of this session, participants will be able to:

- Understand the history of quality and safety in medicine including its development and the goals for improvement.
- Recognize the different levels in which quality and safety can be applied to a surgical practice
- Understand how to implement rapid turn-over process improvement projects that will improve the quality of care within a surgical practice

INSTRUCTIONAL COURSES #5

New Technology for Thyroid and Parathyroid Surgery

Moderator: Alfred A. Simental, MD

This session will address the rising discovery of asymptomatic thyroid nodules and potential tools to decrease the need for thyroid surgery. In addition, didactic lecture with case presentation demonstrating minimally invasive thyroid surgical techniques will be given by the faculty. Time will be given for an interactive question/answer and comment session regarding the potential implementation of these techniques.

Introduction - Alfred A. Simental, MD
The Rising Tide of Thyroid and Robotic Surgery - Alfred A. Simental, MD
Approaches to Robotic Thyroid Surgery: The American Experience - Emad Kandil, MBBCh
Approaches to Robotic Thyroid Surgery :
### Scientific Program

**The Korean Experience**  
Eun Chang Choi, MD

**Where We Are Now: Questions and Answers**
At the conclusion of this session, participants will be able to:
- Categorize and order pathological tests that may result in decreased need for surgical intervention
- Understand the role of minimally invasive techniques in thyroid surgery, especially the advantages and pitfalls of robotic surgery
- Articulate and compare robotic, video-assisted, and traditional thyroid surgical techniques

| **Engaging Surgeons in Multicenter Randomized Trials** |  
| Moderator: Christian H. Simon, MD |
| This session will use a TV show design with one moderator, a medical oncologist, interviewing two surgeons, one from Europe, and one from the US. Within this moderated discussion we will address currently ongoing/planned surgical HN-trials, discuss aspects of surgical trial design and quality assurance, and differences of surgical versus non-surgical innovations. |

| **Introduction** | Lisa Licitra, MD |
| **The US-Viewpoint** | Erich M. Sturgis, MD |
| **The European Viewpoint** | Christian H. Simon, MD |

At the conclusion of this session, participants will be able to:
- Compare ongoing surgical head and neck cancer trials
- Appraise the importance of engagement in surgical trial activity
- Integrate quality assurance platforms for surgery into surgical clinical trial design and conduct

### Comprehensive Management of Melanoma of the Head and Neck

**Moderator: Carol R. Bradford, MD**

The session will review the current NCCN guidelines and evidence basis for melanoma work-up and treatment, including a discussion of the role of sentinel lymph node biopsy. Current systemic treatment approaches will be presented as well.

| **Introduction** | Carol R. Bradford, MD |
| **Head and Neck Cutaneous Melanoma: Current State of the Art** | Carol R. Bradford, MD |
| **Advanced Melanoma: Systemic Therapy for a Systemic Disease** | Shailender Bhatia, MD |

At the conclusion of this session, participants will be able to:
- Articulate the current guidelines for work-up and treatment of cutaneous melanoma of the head and neck
Scientific Program

- Demonstrate a working knowledge of the indications and technical aspects of performing sentinel lymph node biopsy in cutaneous melanoma of the head and neck
- Recognize the dramatic improvements in outcome realized by recent advancements in systemic therapy of metastatic melanoma

Imaging: Current Guidelines and Standards and Future Developments

Moderator: Rathan Subramaniam, MD, PhD

This course will review current guidelines and standard of imaging Oral cavity, oropharynx, larynx and nasopharynx using CT, PET/CT and MRI and future developments.

Introduction - Rathan Subramaniam, MD, PhD
Larynx and Nasopharynx - Nafi Aygun, MD
Oral cavity and oropharynx - Yoshimi Anazi, MD, MPH

At the conclusion of this session, participants will be able to:
- Recognize the imaging recommendation for head and neck cancers from 2016 NCCN guideline
- Discuss the new evidence development that require changes in clinical practice for implementing CT, PET/CT and MRI
- Provide the imaging recommendation for managing head and neck cancers

Non-Melanoma Skin Cancer: Novel Therapies, Surgery and Reconstruction

Moderator: Christopher F.L. Perry, MD

This session will use a case management format to discuss investigations and then surgical options for advanced non-melanoma skin cancer that will concentrate on the very large, mostly SCC’s and to a lesser extent BCC’s, that unfortunately grow in abundance in Australia and California. We will discuss treatment options for nodal deposits in the parotid gland and neck and the possible role of sentinel node biopsy. We will discuss the indications and scope of lateral temporal bone excisions and the indications for surgical treatment of the jaw joint, mandible and spread along the auriculo-temporal nerve and spread towards the cavernous sinus. We will look at the appropriate investigations for perineural spread of disease and the reconstructive options for the large defects left behind from excising large cancers. We will discuss radiation therapies and possible medical therapies available for active treatment for cure and for palliation of advanced disease.

The Pattern of Nodal Spread of Head and Neck Non-Melanoma Skin Cancers - Jonathan Clark, MBBS, BSc
Investigations of Massive Cancers around the Temporal Bone and Ear and The Investigation and Treatment of Large Nerve Perineural Infiltration of Cancer including Intracranial Extension - Christopher F.L. Perry, MD
Scientific Program

Role of Radiation Oncology Strategies for Curative and Palliative Treatment for the Aggressive and Advanced Non-Melanomatous Skin Cancers - Sue Yom, MD

Cases from The Sunny Bad Lands - Christopher F.L. Perry, MD

At the conclusion of this session, participants will be able to:

- Assess the likelihood of disease spread to the parotid gland and neck and will be able to determine the extent of surgery which, when combined with postoperative radiotherapy, may not need to be as extensive as previously thought, such as the use of sentinel node biopsy.
- Discuss appropriate investigations for potential large spreading head and neck skin cancers and plan appropriate extirpative and palliative treatments.
- Apply the investigations to sensible operative planning for cancer excision and reconstruction often with combined surgical teams of head and neck surgeons, reconstructive surgeons and neurosurgeons.

Toolbox: Measurement of Function and Patient-Reported Outcomes

Moderator: G Jolie Ringash, MD

This session will summarize a document developed under the auspices of the US NCI Head and Neck Cancer Steering Committee to assist clinicians and researchers in the head and neck cancer field with measurement, reporting and communication about quality of life and functional issues. We will discuss the process for developing this document, explain how recommended instruments were chosen, and give examples from our own practice of how we use this document to better communicate with our patients.

Why a Toolbox? - John A. Ridge, MD, PhD

Choosing the Tools - Bevan Yueh, MD

Applying the Tools - G Jolie Ringash, MD

Q&A

At the conclusion of this session, participants will be able to:

- Identify and incorporate measures of quality of life and function in their practice
- Understand the basic principles of measurement as applied to tools for head and neck cancer patients
- Use the Toolbox to identify tools that will help them in their patient care and research

Integrating Palliative Care into the Management of the Patient with Recurrent or Advanced HNC

Moderator: Jonas T. Johnson, MD

This session will use a case management format to discuss the challenges of integrating palliative care into the management of patients with recurrent or advanced head and neck cancer.
Identification Of Patient for Whom Active Therapy May No Longer Be Appropriate: The Problem - Jonas T. Johnson, MD

Palliative Care in Head and Neck Oncologic Surgery: When? - Robert H. Lindau, MD

At the conclusion of this session, participants will be able to:

- Understand the potential for low value care
- Implement a strategy to identify high risk patients
- Recognize alternative interventions which may include palliative care

Decision Making in Larynx Cancer – Early, Intermediate and Advanced Stage Disease

Moderator: Andreas Dietz, MD

The participants will get some systematic and structured guidelines for Treatment of the upper mentioned entities. More over, decision making in advanced laryngeal cancer will be discussed more comprehensive since current data for organ preservation demonstrate superiority in stage IVA disease compared to RCH.

Decision Making and Treatment Options in Laryngeal Cancer with Focus on TLM and TORS - Marc J. Remacle, MD, PhD

Decision Making in Larynx Cancer - Early, Intermediate Stage Disease - Maie St. John, MD, PhD

Decision Making In Larynx Cancer - Intermediate and Advanced Disease with Focus on Better Patient Selection for Total Laryngectomy or Organ Preservation Chemo Radiation - Andreas Dietz, MD

At the conclusion of this session, participants will be able to:

- Decide therapy options for larynx cancer in regard of current outcome data of organ preservation strategies
- Develop treatment paradigms
- Interpret better clinical and tumor biologigcal signs

3:00 pm - 3:30 pm  Break In Foyer

3:30 pm - 4:30 pm  INSTRUCTIONAL COURSES #6 4F

Sentinel Lymph Node Biopsy: Indications, Technique and Pitfalls

Moderator: Sandro J. Stoeckli, MD

This session will dicuss the current indications, new technology, existing literature and future developments in sentinel node biopsy for oral squamous cell carcinoma

Introduction - Sandro J. Stoeckli, MD

Indications and Technique Of Sentinel Node Biopsy for Oral Cancer - Sandro J. Stoeckli, MD

How to Reliably Detect the Sentinel Nodes - Amit Agrawal, MD

What’s the Evidence We Have and What Evidence We Need ? - Stephen Y. Lai, MD, PhD
Scientific Program

At the conclusion of this session, participants will be able to:

- Appraise the vast evidence supporting the concept of sentinel node biopsy
- Integrate technology needed for sentinel node biopsy in their specific setting
- Identify and manage pitfalls of the sentinel node procedure

“Doing Research”: Setting up a Clinical and Translational Research Program

**Moderator: James Rocco, MD, PhD**

Through a series of short presentations and a question and answer session, the session will provide insights into setting up a successful translational research program. An overview of critical issues, NIH funding mechanisms, and different training programs to support Setting Up a Clinical and Translational Research Programs will be discussed.

**Introduction - Overview and Insights - James Rocco, MD, PhD**

**NIH Funding - Richard J. Wong, MD**

**Clinical Scientists Protected Time for Research and Full Spectrum Medical Education - Barbara Wollenberg, MD, PhD**

At the conclusion of this session, participants will be able to:

- Discuss the critical role of mentorship in Setting Up a Clinical and Translational Research Program
- Explain the NIH funding mechanism and its role in a successful Clinical and Translational Research Program
- Provide different training mechanisms during residency that can promote the development of a Setting Up a Clinical and Translational Research Program

Management of the Facial Nerve in Parotid Malignancy

**Moderator: John Yoo, MD, FRCSC**

**An Overview of Parotid Malignancies - Russell B. Smith, MD**

**Surgical Management of the Facial Nerve During Parotidectomy - Vincent Vander Poorten, MD**

**Reconstruction of the Paralyzed Face - John Yoo, MD, FRCSC**

**Case Presentations**

At the conclusion of this session, participants will be able to:

- Understand the appropriate evaluation of patients with parotid tumours
- Recognize situations when the facial nerve can be preserved versus require facial nerve sacrifice
- Describe the important aspects of facial paralysis, apply traditional reconstructive approaches, and some novel techniques that can be applied to their clinical practice
### Scientific Program

#### Radiation Therapy Advances

**Moderator:** Andy Clump, MD, PhD  
**Speakers:** Clifton D. Fuller, MD, PhD & Jiade Lu, MD, MBA

<table>
<thead>
<tr>
<th>Session Title</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Radiation Therapy Advances</td>
<td>4C-4</td>
</tr>
</tbody>
</table>

### Pre-Meeting Courses

#### Saturday, July 16, 2016

**Scientific Program Pre-Meeting Courses**

<table>
<thead>
<tr>
<th>Day</th>
<th>Sessions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Saturday, July 16</td>
<td>Radiation Therapy Advances</td>
</tr>
<tr>
<td>Sunday, July 17</td>
<td>Radiation Therapy Advances</td>
</tr>
<tr>
<td>Monday, July 18</td>
<td>Radiation Therapy Advances</td>
</tr>
<tr>
<td>Tuesday, July 19</td>
<td>Radiation Therapy Advances</td>
</tr>
<tr>
<td>Wednesday, July 20</td>
<td>Radiation Therapy Advances</td>
</tr>
</tbody>
</table>

#### Radiation Therapy Advances

**Moderator:** Andy Clump, MD  
**Speakers:** Clifton D. Fuller, MD & Jiade Lu, MD

**Radiation Therapy Advances**

**Moderator:** Andy Clump, MD  
**Speakers:** Clifton D. Fuller, MD & Jiade Lu, MD

This session will address the rising interest and utilization of robotic surgery among patients and clinicians as it pertains to thyroid and parathyroid disorders. We will present information stemming from personal previous research and clinical practice in a case based didactic lecture. Following the formal presentations, an interactive audience session will be employed to discuss salient ideas pertaining to robotic thyroid and parathyroid surgery.

**Introduction**  
**Alfred A. Simental, MD**

**The Rising Tide of Thyroid and Robotic Surgery**  
**Alfred A. Simental, MD**

**The Asian Experience with Robotic Thyroid and Parathyroid Surgery**  
**Kyung Tae, MD, PhD**

**The American Experience with Robotic Thyroid and Parathyroid Surgery**  
**David J. Terris, MD**

**Where We Are and Why? Question and Answers**

At the conclusion of this session, participants will be able to:

- Understand the growing need for thyroid and parathyroid surgical intervention.
- Articulate the role of robotic surgery as it pertains to thyroid and parathyroid surgery, especially identifying international utilization differences.
- Integrate the option of robotic surgery into their treatment algorithm for thyroid and parathyroid disorders.

#### Wednesday, July 20, 2016

**Measuring Swallowing Function**

**Moderator:** Katherine A. Hutcheson, MD

Swallowing outcome measures will be discussed by a multi-national, interdisciplinary panel. The panel will cover novel metrics and pragmatic considerations for implementing standardized swallowing measures using PROs, videofluoroscopy, endoscopy, high-resolution manometry, and clinical examinations.

**Introduction**  
**Katherine A. Hutcheson, MD**

**DIGESTing Swallowing Metrics**  
**Katherine A. Hutcheson, MD**

**Water Swallow Tests & Beyond in the UK**  
**Jo Patterson, MD**

**Pharyngeal High Resolution Manometry**  
**Timothy M. McCulloch, MD**

At the conclusion of this session, participants will be able to:

- Review best practice for swallowing outcome measurement
Scientific Program

• Explain novel metrics for videofluoroscopy dysphagia classification
• Describe protocol for implementation of high resolution manometry as a pharyngeal measure

Using Social Media and the Internet in a Head and Neck Practice
Moderator: Yoon Woo Koh, MD, PhD
Speaker: Brian Nussenbaum, MD

New Technologies and Developments in Head and Neck Reconstruction
Moderator: Daniel G. Deschler, MD

Through faculty presentations, we will review recent technological advances in head and neck reconstructive surgery focusing on virtual surgical planning for mandibular and maxillary reconstruction, reconstruction of surgical defects after transoral robotic surgery, and effective incorporation of new flap techniques into reconstructive practice - reviewing the supraclavicular flap.

Question and answer session will follow the presentations

Introduction - Daniel G. Deschler, MD
Virtual Planning for Reconstruction of Complex - Neal D. Futran, MD, DMD
Reconstruction after Transoral Robotic Surgery - Min-Sik Kim, MD, PhD
Incorporating a New Flap into your Surgical Practice - Daniel G. Deschler, MD

At the conclusion of this session, participants will be able to:
• Distinguish specific advantages afforded by the utilization of virtual planning for the reconstruction of complex head and neck defects.
• Employ reproducible techniques to safely and effectively reconstruct upper aerodigestive tract defects following transoral robotic surgery.
• Identify key processes to assist with the integration and assimilation of new reconstructive techniques such as the supraclavicular flap.
**Scientific Session**  
**Sunday, July 17, 2016**

---

**Medrobotics Satellite Symposium**  
**Flexible Robotic Surgical System for Oropharynx, Hypopharynx and Larynx**  
This is a NON-CME activity and was not planned by AHNS.  
Speakers: Dr. Umamaheswar Duvvari, Dr. David Goldenberg, Prof. Stephan Lang and Prof. Marc Remacle

---

8:00 am - 9:00 am  **Opening Ceremony**  
4F

7:50 am  Local Entertainment
8:10 am  Welcome by Conference Leadership - Jonathan Irish, MD
8:20 am  Recognition of International Delegates - Jonathan Irish, MD
8:30 am  Program Overview - Robert L Ferris, MD, PhD
8:40 am  Introduction of Conference Chair  
Guest of Honor - Jonathan Irish, MD
8:45 am  Introduction of Presidential Guest of Honor - Dennis Kraus, MD
8:55 am  Concluding “Opening Ceremonies” Remarks

---

9:00 am - 9:45 am  **John J. Conley Lecture**  
4F

*Building a Safe, High Quality and Effective Health Care System: Views from a Surgical Oncologist, CEO, and Deputy Minister of Health*

Robert S. Bell, CM, MSc, MD, FRCSC  
Deputy Minister of Health, Province of Ontario, Canada;  
Former CEO-University Health Network, Toronto;  
Orthopedic Surgical Oncologist

Introduction by: Jonathan Irish, MD

---

9:45 am - 10:15 am  **Keynote Lecture**  
4F

Curt Cronin  
Founder, Mastery Technologies; Former Leader  
Navy SEAL Team

Introduction by: Dennis H. Kraus, MD

---

10:15 am - 10:45 am  **Break In Exhibit Hall**  
4E

10:45 am - 12:15 pm  **PANELS OR PROFFERED PAPERS**  
4F
Panel: Imaging and Head and Neck Cancer: Pretreatment Assessment and Intraoperative Technology

Moderators: Eugene Yu, MD & Rathan Subramaniam, MD, PhD

This session will review the up to date imaging and intraoperative technology that can be utilized in the assessment and treatment of sinonasal, oropharyngeal, oral cavity and laryngohypopharyngeal cancer.

- Imaging of Sinonasal Neoplasia - Eugene Yu, MD
- Intraoperative technologies to Aid in Surgical Access and Prevention of Neurovascular Injuries - Eric Wang, MD
- Role of Imaging and New technologies on Current Radical Curative Treatment of Oral and Oropharyngeal Cancer - Luiz P. Kowalski, MD, PhD
- Imaging and Head and Neck Cancer: Laryngeal and Hypopharyngeal Cancer - Stephan Haerle, MD

At the conclusion of this session, participants will be able to:

- Understand the rational of selecting cost-effective image methods that improve the accuracy of pre-treatment staging and can affect treatment decisions.
- Identify surgical scenarios that could benefit from the use of intraoperative Doppler ultrasonography and neurophysiologic simulation.
- Utilize triplanar image guidance to supplement anatomical knowledge for the identification of key neurovascular structures and assess adequate surgical access.

Panel: Genomics and Personalized Medicine Technology Guiding Head and Neck Cancer Care

Moderators: Lillian L. Siu, MD & Barbara Wollenberg, MD, PhD

In this session the five speakers will provide an overview of genomics and personalized medicine in the field of head and neck cancer including the main findings of genomic studies for the clinician scientist, with a goal of leveraging this new knowledge to advance precision medicine and improve patient outcomes.

- Basket Trials and Targeted Agents - Christine Chung, MD
- TCGA Review - Wendell G. Yarbrough, MD, MMHC
- Intratumor Heterogeneity - James Rocco, MD, PhD
- Molecular Profiling to Understand Drug Resistance - Lillian L. Siu, MD
- Using Genomics to Predict Response to Immunotherapy - Tanguy Seiwert, MD

At the conclusion of this session, participants will be able to:

- Present challenges and opportunities in conducting basket trials of targeted agents in head and neck cancer
Scientific Session  Sunday, July 17, 2016

• Provide an overview of molecular characterization of head and neck cancer using TCGA data and discuss how TCGA will help develop individualized treatment.
• Discuss how spatial and temporal intratumoral heterogeneity challenge the clinical value of TCGA data.
• Illustrate an overview on how molecular profiling can inform drug resistance.
• Demonstrate how genomics can assist in patient selection for immunotherapy.

Panel: Sinonasal and Skull Base Surgery: Technology Advancing the Frontiers  4C-3
Moderators: Dennis Kraus, MD & Piero Nicolai, MD
This session will utilize focused presentations describing technological advancements as it impacts on management of sinonasal and skull base tumors. The impact of these new technologies on the ability to resect tumors with limited morbidity and impact on quality of life will be stressed.

Introduction - Dennis H. Kraus, MD
Intraoperative Imaging and Tracking - Bert W. O’Malley, MD
Techniques and Pitfalls - Derrick Lin, MD
PRO/QOL - John R. de Almeida, MD, MSc
Induction Therapy - Lisa Licitra, MD
New Technologies - Piero Nicolai, MD

Discussion
At the conclusion of this session, participants will be able to:
• Identify patients who will benefit from image guided surgery for skull base surgery.
• Articulate the impact of quality of life on patients undergoing treatment for skull base lesion.
• Assess the impact of induction chemotherapy in a subset of patients being treated for advance sinonasal malignancy.

Proffered Papers: Imaging and Detection  4C-4
Moderators: Stephen Y. Kang, MD & Michiel Van Den Brekel, MD, PhD

S001 SCREENING FOR HEAD AND NECK TUMORS BY IN VIVO DETECTION OF THEIR FIELD-EFFECT IN THE BUCCAL MUCOSA USING REFLECTANCE SPECTROSCOPY; PRELIMINARY DATA
Oisin Bugter, MD, Arta Hoesseini, MD, Jose A Hardillo, MD, PhD, Ben Giepmans, MD, PhD, Robert J Baatenburg de Jong, MD, PhD, Arjen Amelink, PhD, Dominic J Robinson, PhD; Erasmus University Medical Center

S002 SPECTROSCOPIC DETECTION OF ORAL NEOPLASIA
Richard A Schwarz, PhD¹, Michelle D Williams, MD², Nadarajah Vigneswaran, BDS, DrMedDent, DMD³, Rebecca Richards-Kortum, PhD¹, Ann M Gillenwater, MD²; ¹Rice University, ²The University of Texas M. D. Anderson Cancer Center, ³The University of Texas School of Dentistry at Houston
S003 MARGIN CONTROL TECHNIQUES TO IMPROVE NEGATIVE MARGIN RATES IN ONCOLOGIC SURGERY - A SYSTEMATIC REVIEW
Paul Nankivell, BA, BMBCh, PhD, FRCS, Luke Mason, Daniel Lin, BSc, Hon, MBChB, Neil Sharma, MBChB, PhD, FRCS(ORL-HNS), Hisham Mehanna, PhD, BMedSc, hons, MBChB, hons, FRCS; University of Birmingham

S004 FDG-PET/CT 12 WEEKS AFTER END OF CONCURRENT CHEMORADIATION IN PATIENTS WITH LOCALLY ADVANCED HEAD AND NECK SQUAMOUS CELL CARCINOMA: A PROSPECTIVE MULTI-CENTER TRIAL.
Olivier M Vanderveken, MD, PhD1, Nils Helsen, MS2, Olivier Lenssen, MD, FEBOMFS3, Carl Van Laer, MD1, Steven Mariën, MD1, Remco De Bree, MD, PhD4, Joost van Dinther, MD5, Sara Hakim, MD6, Kristof Deben, MD7, Isabel Hutsebaut, MD8, Philip R Debruyne, MD, PhD, MS, FRCPh7, Michel J Martens, MD9, Danielle Van den Weyngaert, MD10, Laurens Carp, MD10, Tim Van Den Wyngaert, MD, PhD10, Sigrid Stroobants, MD, PhD10, On Behalf Of The ECLYPS investigators10; 1Department of ENT-HNS, Antwerp University Hospital, University of Antwerp, Antwerp, BELGIUM, 2Department of Nuclear Medicine, Antwerp University Hospital, University of Antwerp, Antwerp, BELGIUM, 3Department of Maxillofacial Surgery, ZNA Middelheim, Antwerp, BELGIUM, 4Head and Neck Surgical Oncology, UMC Utrecht Cancer Center, University Medical Center Utrecht, Utrecht, The Netherlands, 5Department of ENT-HNS, GZA Sint-Augustinus, Wilrijk, BELGIUM, 6Department of Nuclear Medicine, VU Medical Center, Amsterdam, The Netherlands, 7Department of ENT-HNS, Jessa Hospital, Hasselt, BELGIUM, 8Department of Radiotherapy, AZ Sint-Jan, Brugge, BELGIUM, 9Department of Medical Oncology, AZ Groeninge, Kortrijk, BELGIUM, 10Department of Radiotherapy, AZ Turnhout, Turnhout, BELGIUM, 11Department of Radiotherapy, ZNA Middelheim, Antwerpen, BELGIUM

S005 DYNAMIC CONTRAST-ENHANCED MRI DETECTS ACUTE RADIOTHERAPY-INDUCED ALTERATIONS IN MANDIBULAR MICROVASCULATURE: PROSPECTIVE ASSESSMENT OF IMAGING BIOMARKERS OF NORMAL TISSUE INJURY
Vlad C Sandulache, Brian P Hobbs, Abdallah S Mohamed, Steven J Frank, Katherine A Hutcheson, Jan S Lewin, Jason M Johnson, Mark S Chambers, Rivka R Colen, Theresa M Hofstede, David I Rosenthal, John D Hazle, Gary B Gunn, Randal S Weber, Clifton D Fuller, Stephen Y Lai; UT MD Anderson Cancer Center

S006 AUGMENTED FLUORESCENCE LIFETIME IMAGING FOR ENHANCED TUMOR MARGIN DELINEATION DURING TRANS-ORAL ROBOTIC SURGERY (TORS)
D. Gregory Farwell, Professor, and, Vice, Chair1, Jennifer Phipps, PhD1, Dimitris Gorpas1, Dinglong Ma1, Julien Bec1, Diego Yankelevich1, Jonathan Sorger2, Regina Gandour-Edwards, MD1, Arnaud Bewley, MD1, Laura Marcu, PhD1; 1UC Davis, Intuitive Surgical

S007 TUMOUR VOLUME IN EARLY STAGE NASOPHARYNGEAL CARCINOMA IS A GOOD PREDICTOR OF DISEASE RECURRENCE AND OVERALL PATIENT SURVIVAL
Yu Shiang Seet1, Stefan Mueller2, Yoke Lim Soong3, Hiang Khoon Tan4; 1National University of Singapore, Yong Loo Lin School of Medicine, 2Department of Surgical Oncology, National Cancer Centre Singapore, 3Department of Radiation Oncology, National Cancer Centre Singapore, 4SingHealth Duke-NUS Head and Neck Centre

S008 THE USE OF AMBIENT MASS SPECTROMETRY IN THE DIAGNOSIS OF ORAL CAVITY SQUAMOUS CELL CARCINOMA
Michael Moore, MD1, Cedric D’Hue, JD2, R. Graham Cooks, PhD2; 1UC Davis Medical Center, 2Purdue University
Scientific Session  Sunday, July 17, 2016

S009 18F-FDG PET/CT VERSUS HUMAN PAPILLOMAVIRUS, P16, AND EPSTEIN-BARR VIRUS DETECTION IN CERVICAL METASTATIC LYMPH NODES FOR IDENTIFYING PRIMARY TUMORS
G Cheol Park, MD1, Jong-Lyel Roh, MD, PhD2, Kyung-Ja Cho, MD, PhD2, Jae Seung Kim, MD, PhD2, Seung-Ho Choi, MD, PhD2, Soon Yuhl Nam, MD, PhD2, Sang Yoon Kim, MD, PhD2; 1Department of Otolaryngology, Samsung Changwon Hospital, Sungkyunkwan University School of Medicine, Changwon, Republic of Korea, 2Department of Otolaryngology, Asan Medical Center, University of Ulsan College of Medicine, Seoul, Republic of Korea, 3Department of Pathology, Asan Medical Center, University of Ulsan College of Medicine, Seoul, Republic of Korea, 4Department of Nuclear Medicine, Asan Medical Center, University of Ulsan College of Medicine, Seoul, Republic of Korea

Proffered Papers: Best of Clinical I

Moderators: Eric J. Dierks, MD, DMD; Steve Kim, MD; & Susan D. McCammon, MD

S010 AN ANALYSIS OF POSTOPERATIVE COMPLICATIONS AND THEIR ASSOCIATION WITH HOSPITAL READMISSION AFTER HEAD AND NECK SURGERY
Andres M Bur, MD, Carolyn L Mulvey, MD, Robert M Brody, MD, Jason G Newman, MD, Steven B Cannady, MD, Jason A Brant, MD; University of Pennsylvania

S011 A PHASE 3, RANDOMIZED, OPEN-LABEL STUDY OF FIRST-LINE DURVALUMAB (MEDI4736) +/- TREMELIMUMAB VERSUS STANDARD OF CARE (SOC; EXTREME REGIMEN) IN RECURRENT/METASTATIC (R/M) SQUAMOUS CELL CARCINOMA OF THE HEAD AND NECK (SCCHN): KESTREL
Amanda Psyrri1, Jared Weiss2, Shrujal Baxi3, Myung-Ju Ahn4, Jerome Fayette5, Maura Gillison6, Jean-Pascal Machiels7, Shunji Takahashi8, Kevin Harrington PhD, FRCP, FRCR9, Giovanni Melillo10, April Franks10, Ugochi Emeribe10, David Raben11, Michael McDevitt10, Tanquy Seiwart12; 1Second Department of Internal Medicine, Attikon University Hospital, National Kapodistrian University of Athens, Athens, Greece, 2Division of Hematology and Oncology, UNC Lineberger Comprehensive Cancer Center, North Carolina, USA, 3Department of Medicine, Memorial Sloan-Kettering Cancer Center, New York, USA, 4Department of Medicine, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea, 5University of Lyon, Centre Léon Bérard, Lyon, France, 6Department of Internal Medicine, The Ohio State University Comprehensive Cancer Center, Ohio, USA, 7Department of Medical Oncology, Université Catholique de Louvain Cliniques Universitaires St-Luc, Brussels, Belgium, 8Department of Medical Oncology, Cancer Chemotherapy Center and Cancer Institute Hospital, Japanese Foundation for Cancer Research, Tokyo, Japan, 9The Royal Marsden Hospital, London, UK, 10Immuno-Oncology GMD, AstraZeneca, Gaithersburg, USA, 11University of Colorado Cancer Center, University of Colorado, Colorado, USA, 12Department of Oncology, University of Chicago, Chicago, USA

S012 REDUCING PATIENT WAIT TIME: A QUALITY IMPROVEMENT PROJECT IN A HEAD AND NECK CANCER CLINIC
Natalie L Silver, MD, Miguel Lozano, Ehab Hanna, MD, Carol Lewis, MD, Amy Hessel, MD, Jeremy Meade, Randal Weber, MD; MD Anderson Cancer Center

S013 CURING LARYNGEAL CANCER - THE MICHIGAN EXPERIENCE: SURVIVAL RESULTS AND FUTURE CHALLENGES
Gregory T Wolf, MD1, Francis Worden, MD1, Emily Bellile, MS1, Susan Urba, MD1, Carol R Bradford, MD1, Avraham Eisbruch, MD1, Thomas E Carey, PhD1, Jeremy M Taylor, PhD1, Theodoros N Teknos, MD2, Douglas B Chepeha, MD3, Scott McLean, MD1, N D Hogikyan, MD1, Um Head and Neck SPORE Program1; 1University of Michigan, 2Ohio State University, 3University of Toronto
S014 PREDICTING LENGTH OF STAY IN HEAD AND NECK PATIENTS WHO UNDERGO FREE FLAP RECONSTRUCTION
Rosh K Sethi, MD, MPH1, Sidharth V Puram, MD, PhD1, Anurag Parikh, MD1, Bharat Yarlagadda, MD2, Neerav Goyal, MD2, Tjosh Tjoa, MD1, Mark A Varvares, MD1, James Rocco, MD, PhD4, Kevin S Emerick, MD1, Derrick Lin, MD1, Marlene Durand, MD1, Daniel G Deschler, MD1; 1Massachusetts Eye and Ear Infirmary, 2Lahey Clinic, 3Penn State Hershey Medical Center, 4Ohio State University

S015 EFFICACY OF A HIGH-OBSERVATION PROTOCOL (HOP) IN MAJOR HEAD AND NECK CANCER SURGERY: A PROSPECTIVE STUDY
Brittany Barber, MD, MHA, FRCSC1, Jeffrey Harris, MD, MHA, FRCSC1, Cameron Shillington, BSc1, Shannon Rychlik, RN1, Joseph Dort, MD, MSc, FRCSC1, Michael Meier, MD, FRCSC1, Khalid Ansari, MD, Med, FRCSC1, Vincent Biron, MD, PhD, FRCSC1, Daniel O’Connell, MD, MSc, FRCSC1, Hadi Seikaly, MD, MAL, FRCSC1; 1University of Alberta, 2University of Calgary

S016 THE ROLE OF ADJUVANT CHEMOTHERAPY IN THE MANAGEMENT OF SINonasAL SQUAMOUS CELL CARCINOMA: A NATIONAL CANCER DATABASE REVIEW
Brian Thorp, MD1, Jose Zevallos, MD, MPH1, Julie Kobie, MS2, Alexander Lin, MD2, John Lukens, MD2, Nandita Mitra, PhD2, Adam Zanation, MD1, Samuel Swisher-McClure, MD, MSHP2; 2University of North Carolina - Chapel Hill, 3University of Pennsylvania

S017 MARGIN ASSESSMENT IN ORAL CANCER SURGERY
Marisa R Buchakjian, MD, PhD, Kendall K Tasche, MD, Nitin A Pagedar, MD, MPH, Steven M Sperry, MD; University of Iowa Hospitals and Clinics

S018 MELANOMA OF THE HEAD AND NECK, AN ANALYSIS OF THE NATIONAL CANCER DATABASE (NCDB)
Paul Lennon, MD, Benjamin Roman, MD; Memorial Sloan Kettering Cancer Centre

Proffered Papers: Robotics I

S019 ENDOSCOPE-ASSISTED TRANSORAL REMOVAL OF A THYROGLOSSAL DUCT CYST USING A FRENOTOMY INCISION: A PROSPECTIVE CLINICAL TRIAL.
Seung Hoon Woo, Prof; Gyeongsang National University

S020 PROSPECTIVE EXPERIENCES OF ROBOTIC HEAD AND NECK SURGERY USING DA VINCI XI SYSTEM : OPENING THE NEW ERA OF HN SURGERY
Ji Hoon Kim, MD1, Da Hee Kim, MD1, Jung Min Kim, MD1, Won Shik Kim, MD1, Hyung Kwon Byeon, MD, PhD1, Dong Won Lee, MD1, Jae Wook Kim, MD2, Jae Hong Park, MD2, Myung Jin Ban2, Hyun Jun Hong, MD, PhD3, Yoon Woo Koh, MD, PhD3, Eun Chang Choi, MD, PhD3; 1Yonsei University College of Medicine, 2Soonchunhyang University College of Medicine, 3Catholic Kwandong University College of Medicine

S021 CORRELATION OF CLINICAL AND PATIENT-REPORTED OUTCOMES WITH SWALLOW PHYSIOLOGY IN HEAD AND NECK CANCER PATIENTS TREATED WITH SYSTEMIC THERAPY AND RADIOTHERAPY (RT): RESULTS OF A SWALLOWING SUBSTUDY OF CCTG HN.6 (NCT00820248)
Rosemary Martino1, Stephanie Shaw1, Elissa Greco1, Lisa Durkin1, Andrea Gomes3, Colette Nault3, Amy Gantefoer3, Waldron John3, Lilian Siu1, Ralph Gilbert1, Alexander Montenegro-Suris5, Wendy Parulekar2, Brian O’Sullivan2, Bingshu Chen2, Jolie Ringash2; 1University of Toronto, 2The Ottawa Hospital, 3Saskatoon Health Region, 4Princess Margaret Cancer Centre, 5Queens University
S022 A PROSPECTIVE EVALUATION OF DYSPHAGIA AFTER TRANSORAL ROBOTIC SURGERY FOR SQUAMOUS CELL CARCINOMA OF THE OROPHARYNX

William G Albergotti, MD, Keely Anthony, CCCSLP, Jessica Jordan, CCCSLP, Tamara Wasserman-Wincko, MS, CCCSLP, Seungwon Kim, MD, Robert L Ferris, MD, PhD, Umamaheswar Duvvuri, MD, PhD; University of Pittsburgh Medical Center

S023 POSTOPERATIVE HEMORRHAGE IN PATIENTS TREATED BY TRANSORAL ROBOTIC SURGERY (TORS)

Ashley Hay, MBChB, FRCS, MSc, Jocelyn Migliacci, MA, Daniella Karassawa Zanoni, MD, Jay O Boyle, MD, Bhuvanesh Singh, MD, PhD, Richard J Wong, MD, Snehal G Patel, MD, Ian Ganly, MD, PhD; Memorial Sloan Kettering Cancer Center

S024 COMPLICATIONS FOLLOWING TRANSORAL ROBOTIC SURGERY (TORS): A DETAILED INSTITUTIONAL REVIEW OF COMPLICATIONS AND PREDICTIVE FACTORS.

Ashley Hay, MBChB, FRCS, MSc, Jocelyn Migliacci, MA, Daniella Karassawa Zanoni, MD, Jay O Boyle, MD, Bhuvanesh Singh, MD, PhD, Richard J Wong, MD, Snehal G Patel, MD, Ian Ganly, MD, PhD; Memorial Sloan Kettering Cancer Center

S025 TREATMENT OF P16 NEGATIVE RESECTABLE ADVANCED TONSILLAR CANCER, PRIMARY SURGERY OR PRIMARY RADIATION?

Hui-Ching Chuang, MD, PhD, FACS1, Chih-Yen Chien, MD, FACS1, Fu-Min Fang, MD, PhD2; 1Department of Otolaryngology, Kaohsiung Chang Gung Memorial Hospital and Chang Gung University College of Medicine, Kaohsiung, Taiwan, 2Department of Radiation Oncology, Kaohsiung Chang Gung Memorial Hospital and Chang Gung University College of Medicine, Kaohsiung, Taiwan

S026 LEARNING CURVE IN TRANSORAL ROBOTIC SURGERY FOR SQUAMOUS CELL CARCINOMA OF THE OROPHARYNX

William G Albergotti, MD, William E Gooding, MS, Mark K Kubik, MD, Seungwon Kim, MD, Umamaheswar Duvvuri, MD, PhD, Robert L Ferris, MD, PhD; University of Pittsburgh Medical Center

S027 PROPHYLACTIC TRANSCERVICAL ARTERIAL LIGATION BEFORE TRANSORAL ROBOTIC SURGERY FOR OROPHARYNGEAL CARCINOMA: AN ANALYSIS OF HEMORRHAGE OUTCOMES

Andres M Bur, MD1, Madeleine P Strohl, BS2, Kyle M Hatten, MD1, Bert W O’Malley, Jr., MD1, Gregory S Weinstein, MD1; 1University Of Pennsylvania, 2Case Western Reserve University

Proffered Papers: Thyroid/Parathyroid

Moderators: Ilana Doweck, MD; Joseph Scharpf, MD, FACS; & Sen-Tien Tsai, MD

S028 DOES PARATHYROIDECTOMY REVERSE MORTALITY RISK IN PATIENTS WITH PRIMARY HYPERPARATHYROIDISM?: A SYSTEMATIC REVIEW AND META-ANALYSIS

S. Danielle MacNeil, MD, MSc, Rohin Krishnan, Monali Malvankar-Mehta, John Costella, John Yoo; Western University

S029 NORMOCALCEMIC PRIMARY HYPERPARATHYROIDISM: A REVIEW OF A LARGE TERTIARY CARE CENTER’S EXPERIENCE IN ITS SURGICAL MANAGEMENT

Gina Trinh1, Salem I Noureldine, MD2, Jonathon O Russell, MD2, Nishant Agrawal, MD2, Ralph P Tufano, MD, MBA2; 1queen’s University School of Medicine, 2Johns Hopkins University School of Medicine

S030 PROTOCOL DRIVEN OUTCOMES IN RENAL PARATHYROID SURGERY

Alexander J Caten, MD1, Andrew Heffernan, MD2, William Duke, MD1, David Terris, MD1; 1Georgia Regents University, 2Eastern Virginia Medical School
Scientific Session

Sunday, July 17, 2016

S031 CHANGES IN THYROID CANCER INCIDENCE, POST 2009 AMERICAN THYROID ASSOCIATION GUIDELINES.
Lucy Shi1, Ahmedin Jemal2, Carol DeSantis3, Amy Y Chen1; 1Emory University School of Medicine, 2American Cancer Society

S032 SURGEON VOLUME, SURGICAL EFFICIENCY, AND 30-DAY OUTCOMES AFTER THYROID AND PARATHYROID SURGERY
Charles J Meltzer, MD; The Permanente Medical Group

S033 PREOPERATIVE VITAMIN D LEVEL PREDICTS POST-THYROIDECTOMY HYPOCALCEMIA IN PATIENTS SUSTAINING TRANSIENT PARATHYROID INJURY
Deepa Danan, MD, MBA, David C Shonka, Jr., MD; University of Virginia

S034 SKIP METASTASES IN WELL DIFFERENTIATED THYROID CANCER PATIENTS
Thomas Kaffenberger1, Jessica H Maxwell2, Seungwon Kim1; 1University of Pittsburgh, 2Washington DC VA Medical Center

S035 INTRAOPERATIVE PREDICTION OF POST-THYROIDECTOMY HYPOCALCEMIA USING RAPID PARATHYROID HORMONE ASSAY
David S Kim, MD, Robert C Wang, MD; University of Nevada School of Medicine

S036 THE PARADOX OF ULTRASONOGRAPHY FINDINGS IN THE CONTRALATERAL LOBE OF WELL DIFFERENTIATED THYROID CANCER
Anat Bahat Dinur, MD, MPH1, Igor Sinelnikov, MD2, Ben-Zion Joshua, MD; 1Department of otolaryngology & head and neck Surgery Soroka University Medical Center and Ben Gurion University, Beer-Sheva, Israel, 2the pathology institute Soroka University Medical Center and Ben Gurion University, Beer-Sheva, Isra

Outcomes/Quality of Life I

Moderators: Remco De Bree, MD, PhD; Peter T. Dziegielewski, MD, FRCS; & Michael Gibson, MD, PhD

S037 HEAD AND NECK SYNOVIAL SARCOMAS: ANALYSIS OF THE SEER DATABASE
Daniel R Gerry, MD, Mark A Ellis, BA, James K Byrd, MD; MCG at Augusta University

S038 EXPIRATORY MUSCLE STRENGTH TRAINING IN CHRONIC RADIATION-ASSOCIATED ASPIRATORS
Katherine A Hutcheson, PhD1, Martha P Barrow, MPH1, Rachel M Hubbard, BS1, Emily K Plowman, PhD2, Stephen Y Lai, MD, PhD1, George A Eapen, MD1, David Clifton Fuller, MD1, Denise A Barringer, MS, CCSSLP1, Sarah B Jimenez, MS, CCSSLP1, Leila G Little, MS, CCSSLP1, Jan S Lewin, PhD1; 1UT MD Anderson Cancer Center, 2University of Florida

S039 THE EAST GRINSTEAD CONSENT COLLABORATIVE: NATIONAL AUDIT OF CONSENT FOR HEAD AND NECK PROCEDURES
Jag Dhanda, PhD, FRCS1, Lisa Rennie, BDS1, Mohammed Dungarwalla, BDS1, Hannah Barry, BDS1, Divya Sharma, BDS, MBBS1, Adeola Ososami, BDS1, Veselina Kostova, BDS1, David Tighe, FRCS1, Rakash Jatten, FRCS1, Miles Duncan, MRCS1, Lisa Greaney, MRCS1, Anwer Abdullahkutty, MRCS1, Satish Madhavaranjan, FRCS1, Rupert Scott, MRCS1, Neil Opie, MRCS1, Ravinder Pabla, FRCS1, James Sloane, MRCS1, Jiten Parmar, FRCS6, Neil DeZoysa, FRCS1, Eoin Twohig, MRCS1, James Sloane, MRCS1, Rory O’Connor, MRCS1, Mustafa Al Mustafa, MRCS1, Tom Walker, MRCS1, Adam Holden, BDS, MBBS1, Siddarth Gowrishankar, FRCS1, Tahir Mirza, FRCS1, Ken Sneddon, FRCS1, Jeremy Collyer, FRCS1, Darryl Coombes, FRCS1, Paul Norris, FRCS1, Mike Shelley, FRCS1, John Tighe, FRCS1, Aakashy Gulati, FRCS1, Brian Bisase, FRCS1, Laurence Newman,
Scientific Session  

Sunday, July 17, 2016

FRCS; 1Queen Victoria Hospital, East Grinstead, 2Exeter and Torbay Hospitals, 3Shrewsbury and Telford Hospitals, 4Northwick Park Hospital, 5Portsmouth and Chichester Hospitals, 6Hull and East Yorkshire Hospitals, 7Aintree University Hospital, Liverpool, 8Leicester University Hospital, 9Worcestershire Royal Hospital, 10Gloucestershire Royal Hospital, 11Northampton General Hospital, 12Luton and Dunstable Hospitals

S040 NSQIP RISK CALCULATOR RELIABILITY IN HEAD AND NECK ONCOLOGY: THE EFFECT OF PRIOR CHEMORADIATION ON NSQIP RISK ESTIMATES FOLLOWING LARYNGECTOMY
Sarah Khayat, MD, Elizabeth Cash, PhD, Paul Tennant, MD, Jeffrey Bumpous, MD; 1University of Louisville School of Medicine, 2Department of Otolaryngology-HNS & Communicative Disorders, University of Louisville School of Medicine

S041 THE IMPACT OF HEAD AND NECK SURGERY CARE TEAM COMPOSITION ON QUALITY OUTCOMES OF PATIENTS UNDERGOING FREE FLAP RECONSTRUCTION
Varun V Varadarajan, MD, Stewart H Bernard, MD, Michael Baskin, MD, Raja Sawhney, MD, MFA, Brian J Boyce, MD, Peter T Dziegielewski, MD, FRCS; University of Florida

S042 MICROVASCULAR RECONSTRUCTION OF THE HEAD AND NECK IN A RESOURCE-LIMITED HEALTHCARE SYSTEM
Laureano J Giráldez-Casasnovas, MD, Laureano A Giráldez-Rodríguez, MD; The Voice and Swallowing Center of Puerto Rico

S043 OUTCOMES AND COST EFFECTIVENESS OF EARLY MOBILIZATION IN HEAD AND NECK FREE FLAPS PATIENTS
Ansley M Roche, MD, Amy Y Chen, MD, MPH, Mihir R Patel, J Trad Wadsworth, Mark W El-Deiry; Emory University

S044 LYMPH NODE COUNT FROM NECK DISSECTION IS ASSOCIATED WITH OVERALL SURVIVAL IN HEAD AND NECK CANCER
Vasu Divi, MD, Michelle M Chen, MD, Brian Nussenbaum, MD, Davud B Sirjani, MD, F Chris Holsinger, MD, Jennifer Shah, MD, Wendy Y Hara, MD; 1Stanford University / Palo Alto VA, 2Stanford University, 3Washington University School of Medicine

S045 QUALITY OF CARE AND SHORT AND LONG-TERM OUTCOMES OF OROPHARYNGEAL CANCER CARE IN THE ELDERLY
Christine G Gourin, MD, MPH, Kimberly T Webster, MA, CCCSLP, Hyunseok Kang, MD, MPH, Ana P Kiess, MD, PhD, Robert J Herbert, BS, Kevin D Frick, PhD, David W Eisele, MD, Harry Quon, MD; Johns Hopkins University

12:15 pm - 1:45 pm  
Lunch On Own  

OR

12:30 pm - 12:42 pm  
Industry Theater: Eisai  
Exhibit Hall 4E
Understanding an Available Treatment for Locally Recurrent or Metastatic, Progressive Radioactive Iodine-Refractory Differentiated Thyroid Cancer with Ezra Cohen, M.D.

Not accredited for CME.
AHNS takes no responsibly for the content.

12:45 pm - 12:57 pm  
Industry Theater: Cook  
Exhibit Hall 4E  
and 1:00 pm - 1:12 pm  
Advances in Saloendoscopy with Rohan Walevkar, M.D
Not accredited for CME.
AHNS takes no responsibly for the content.

1:15 pm - 1:27 pm  
Industry Theater: Eisai  
Exhibit Hall 4E
LENVIMA AE Management Workshop: A focus on the most common adverse reactions resulting in dose reductions with Mouhammed Amir Habra, M.D., F.A.C.P., F.A.C.E., Associate Professor
Not accredited for CME.
AHNS takes no responsibly for the content.
NCCN Guidelines
Moderator: Amy Y. Chen, MD, MPH
The session will discuss the development of the NCCN guidelines for head and neck cancer and the implementation of them in clinical practice.

Introduction - Amy Y. Chen, MD, MPH
Development of Head and Neck NCCN Guidelines - John A. Ridge, MD, PhD
How Do I Implement These Guidelines in My Practice? - Min Yao, MD, PhD

At the conclusion of this session, participants will be able to:

• Explain the process by which the Head and Neck NCCN guidelines are developed
• Discuss how to implement the NCCN guidelines in their practice.
• Assess the limitations and benefits of the NCCN guidelines.

Skull Base Imaging for the Endoscopic Surgeon
Moderator: Eric Wang, MD
Using a case based format, the role of CT, MRI and PET in the initial evaluation, surveillance and evaluation of recurrences for sinonasal malignancies involving the skull base will be defined. Additionally, clinical scenarios that may benefit from less utilized imaging techniques such as transarterial angiography with embolization, CT angiography and PET-MRI fusion will be discussed.

Specialized Protocols in Skull Base Imaging - Barton F. Branstetter, IV, MD
Tumor Targeted Intra Operative Imaging in Skull Base Surgery - Bert W. O’Malley, MD
Skull Base Imaging: Case Examples - Eric Wang, MD

At the conclusion of this session, participants will be able to:

• Articulate the benefits of CT maxillofacial, CT angiography and MRI modalities in specific clinical situations such as orbital, intracranial and perineural spread in the evaluation of sinonasal malignancies.
• Assess the value of PET-CT in the work-up and routine cancer surveillance of sinonasal malignancies.
• Describe the role of less utilized and emerging imaging technologies such as intraoperative tumor imaging, transarterial embolization and PET-MRI may have a role in the current and future management of skull base pathologies.
Debate – Do We Change Treatment of HPV+ Disease Yet? Or What is the Ideal Treatment Algorithm for HPV+ OPC?
Moderator: Danny Rischin, MD
No, Not Yet - Danny Rischin, MD; Gregory S. Weinstein, MD
Does it Matter? - Gregory S. Weinstein, MD

Behavioral Science in Head and Neck Cancer
Moderator: Anil Chaturvedi, MD
Speaker: Lori Bernstein, MD, PhD

Debate – Extent of Surgery in Thyroid Cancer
Moderator: Gregory L. Randolph, MD
The session will discuss the recognition of thyroid cancer risk group preoperatively in order to make the best decision as to extent of surgery for thyroid cancer. This will be done through two brief presentations and through case presentations.

Introduction -
Additional Considerations - Gregory L. Randolph, MD
The Argument for Total Thyroidectomy - Kang-Dae Lee, MD
The Argument for Lobectomy - Ashok R. Shaha, MD
Case Presentation and Q&A

At the conclusion of this session, participants will be able to:
• Distinguish the patient’s risk group preoperatively.
• Apply the appropriate extent of surgical initial management based on the patient’s preoperative risk group.
• Determine the patient’s candidacy for central neck dissection as well as extent of thyroidectomy.

Tumor Board: Melanoma
Moderator: Cecelia Schmalbach, MD, MS
This audience interactive panel will present melanoma cases in a tumor board fashion. In doing so, the current 2016 standards for melanoma work-up and treatment will be highlighted.

Introduction & Epidemiology - Cecelia Schmalbach, MD, MS
Case 1:
Localize Stage I/II Melanoma - Cecelia Schmalbach, MD, MS
Case 2: Stage III Melanoma - Shailender Bhatia, MD
Case 3: Stage IV Metastatic Disease - Shailender Bhatia, MD
Q&A Session - Cecelia Schmalbach, MD, MS

At the conclusion of this session, participants will be able to:
• Perform a comprehensive work-up and staging of head and neck cutaneous melanoma
Scientific Session  

Sunday, July 17, 2016

- Council patients on the role and associated perioperative course for sentinel node biopsy
- Conduct a meaningful conversation with patients regarding novel targeted adjuvant therapy for advance, metastatic melanoma.

Tumor Board: Oral Cavity
Moderator: Fernando L. Dias, MD, PhD
Speaker: Sheng-Po Hao, MD & Paul M. Harari, MD

Tumor Board: NPC
Moderator: Thomas Kwok-Seng Loh, MD
This session will focus on the management of common and difficult patients with newly diagnosed and recurrent nasopharynx cancer (NPC). This will be an interactive session between the panel and the audience.

Cases presented by Thomas Kwok-Seng Loh, MD; Harry Quon, MD; Mu-Kuan Chen, MD; & Alex Vlantis, MD

At the conclusion of this session, participants will be able to:
- Communicate the various management principles for newly diagnosed and recurrent NPC
- Identify the controversies in the management of NPC
- Use the specific management of different types of recurrences in NPC

1:45 pm - 3:15 pm  PANELS OR PROFFERED PAPERS

Panel: Technology for Assessment of the N0 Neck-Sentinel Node Lymphscintigraphy and Ultrasound
Moderator: Francisco J. Civantos, MD
This session will consist of brief 10 minute presentations on nodal assessment with ultrasound and sentinel node biopsy for both cutaneous and oral lesions. We will then use a case based format to discuss management of oral and cutaneous malignancies that are clinically N0. There will be opportunity for questions and discussion.

Efficacy and Surveillance - Hisham Mehanna, PhD, MD
Assessment After Chemoradiation - Sandro V. Porceddu, MD
Assessing Response to Therapy with PET - Tanya Rath, MD
Complications and Pitfalls - Lawrence E. Ginsberg, MD

At the conclusion of the session, participants will be able to:
- Recognize data from mult-institutional trials regarding sentinel node biopsy, and criteria for diagnosing abnormal lymph nodes on ultrasound.
- Understand how to acquire the necessary education to implement sentinel node biopsy and ultrasound in their own practice.
Scientific Session Sunday, July 17, 2016

- Identify the implications of choosing minimally invasive approaches to the neck versus formal lymphadenectomies, as well as understanding how these technologies can be used in conjunction with formal lymphadenectomy.

Panel: Functional Rehabilitation of the Head and Neck Cancer Patient – Consider Case-Based
Moderator: Katherine A. Hutcheson, MD
The session will use a case-based format to discuss functional rehabilitation of the head and neck cancer patient. Controversies and rehabilitation options will be discussed and partitioned into early rehabilitation considerations and management of late effects.

Introduction - Katherine A. Hutcheson, MD

Functional Rehabilitation of The Head and Neck Cancer Patient: Case Example - Katherine A. Hutcheson, MD

Proactive Supportive Care During H&N Chemoradiation - Barbara A. Murphy, MD

Early Management to Optimize Swallowing Outcomes - Timothy M. McCulloch, MD

Optimizing Functional Outcomes after Surgical Management of Osteoradionecrosis - Douglas B. Chepeha, MD

Under Pressure: Management of Stricture and Late Dysphagia - Julia Maclean, MD

At the conclusion of the session, participants will be able to:
- Formulate a model of proactive supportive care for patients receiving head and neck chemoradiation.
- Discuss considerations of ORN management that optimize functional outcomes
- Define early and late priorities of dysphagia management in the HNC population

Panel: Technologies Transforming Parathyroid Surgery
Moderators: David Goldenberg, MD & Ralph P. Tufano, MD

Imaging and Localization in Parathyroid Surgery - David Goldenberg, MD

Diagnosis/Medical Management - Joseph Scharpf, MD

Surgical Management - Ralph P. Tufano, MD

PTH Monitoring - Brendan C. Stack, MD

Minimal Access Approaches - Maisie Shindo, MD

Proffered Papers: Cancer Biology

Moderators: Nicole C. Schmitt, MD; Sufi Thomas, PhD; & Barbara Wollenberg, MD, PhD

S082 COMPLETION OF ABSCISSION REQUIRES SCCRO PROMOTED UBIQUITINATION OF AURORA B BY CUL3-KLHL21
Guochang Huang, PhD, Bhuvanesh Singh; Memorial Sloan Kettering Cancer Center
S083 TARGETED SEQUENCING OF ARCHIVED FORMALIN FIXED AND PARAFFIN EMBEDDED NON-METASTATIC CUTANEOUS SCC REVEALS WIDESPREAD CELL SURFACE RECEPTOR AND PATHWAY IMPACTING MUTATIONS
Bruce Ashford1, Ruta Gupta2, Jonathan Clark2, Ranson Marie1, Mark Cowley2, Sandra O”Toole2, Bing Yu2; 1University of Wollongong, 2University of Sydney, 3Kinghorn Centre for Clinical Genomics

S084 A SYSTEMATIC REVIEW OF BONE METASTASIS SITE DISTRIBUTION IN DIFFERENTIATED THYROID CANCER
Marcela Osorio1, Sami P Moubayed, MD2, Henry Su1, Mark L Urken, MD, FACS2; 1Thyroid, Head, and Neck Cancer Foundation, 2Department of Otolaryngology - Head and Neck Surgery, Mount Sinai Beth Israel

S085 PROSPECTIVE WINDOW TRIAL OF METFORMIN IN HEAD AND NECK SQUAMOUS CELL CARCINOMA
Joseph M Curry, MD, Jennifer Johnson, MD, Patrick Tassone, MD, Madalina Tuluc, MD, David Cognetti, MD, Kurren Gill, Elizabeth Duddy, RN, Adam Luginiuhl, MD, Ulbaldo Martinez-Outschoorn, MD; Thomas Jefferson University

S086 REPURPOSING TUMOR METABOLISM VIA INTERFERENCE OF EGFR IN HUMAN HEAD AND NECK SQUAMOUS CELL CARCINOMA
Ching-Chuan Kuo, Hsing-Pang Hsieh, Hsing-Jien Kung; National Health Research Institutes

S087 A NOVEL PROGNOSTIC SIGNIFICANCE IN MIR-548B EXPRESSION FOR ORAL TONGUE SQUAMOUS CELL CARCINOMA AMONG YOUNG NON-SMOKING PATIENTS.
Ilyes Berania, MD1, Guillaume Cardin, MSc1, Philip Wong, MD, MSc2, Francis Rodier, PhD2, Phuc Felix Nguyen-Tan, MD2, Apostolos Christopoulos, MD, MSc1; 1Department of Otolaryngology - Head & Neck Surgery, University of Montreal, 2Department of Radiation Oncology, University of Montreal

S088 CARCINOGENIC 1-HYDROXYPYRENE IS 4X HIGHER IN INDIAN VS AMERICAN TOBACCO USERS PRESENTING WITH ORAL/HEAD AND NECK CANCER
Samir Khariwala, MD, MS1, Steven G Carmella, BS1, Irina Stepanov, PhD1, Peter W Villalta, PhD1, Raviraj Desphande1, Murari Lal Gurjar2, Prakash C Gupta3, Pankaj Chaturvedi, MD, FAIS2, Stephen S Hecht, PhD1, Vikram Gota, MD3; 1University of Minnesota, 2Tata Memorial Centre, 3Healis Sekhsaria Institute For Public Health

S089 AMPLIFICATION EVENTS ON CHROMOSOME 7 CORRELATE WITH POOR PATIENT OUTCOMES IN HEAD AND NECK SQUAMOUS CELL CARCINOMA
Vijay Sinha, Ravi R Pathak, Hsuan-Chen Liu, Spiridon Tsavachidis, E.Susan Amirian, Andrew G Sikora; Baylor College of Medicine

S090 MOLECULAR PROFILING TARGETED GOLD NANOPARTICLES AS A RADIATION ENHANCER FOR ADENOID CYSTIC CARCINOMA
Inbal Hazkani1, Menachem Motiei2, Izhak Havin3, Rachela Popovtzer2, Aron Popovtzer4; 1Meir Medical Center, 2Faculty of Engineering Bar-Ilan University, 3Faculty of Medicine Bar-Ilan University, 4Rabin Medical Center

Proffered Papers: Best of Basic Science

Moderators: Jon N. Burton, MD; Frank Ondrey, MD, PhD

S046 NOTCH ACTIVATION INHIBITS HEAD AND NECK SQUAMOUS CELL CARCINOMA GROWTH INDEPENDENT OF MUTATION STATUS BY DOWNREGULATING PROTO-ONCOGENES AXL KINASE AND ALPHA-CATULIN
Shhyam Moorthy, PhD1, Qiuli Li, MD1, Rami Saade, MD2, Jiping Wang1, Xiaoyu Rao1, Noriaki Tanaka, MD1, Jiexin Zhang1, Lin Tang, MD1, Curtis R Pickering, PhD1, Patrick Zweidler-McKay, MD, PhD2
Scientific Session  Sunday, July 17, 2016

Abdullah Osman, PhD1, Tong Xin-Xie, MD1, Eve Shinbrot, PhD3, Liu Xi3, David A Wheeler, PhD2, Adel K El-Naggar, MD, PhD1, Jing Wang, PhD1, Jeffrey N Myers, MD, PhD1, Mitchell J Frederick, PhD1; 1MD Anderson, 2American University Beirut Medical Center, 3Baylor College of Medicine

S047 SOY ISOFlavones MODULATE GLOBAL METHYLATION IN HEAD AND NECK SQUAMOUS CELL CARCINOMA (HNSCC).
Laura S Rozek, PhD1, Shama Virani, PhD1, Emily Bellilie, MS1, Jeremy M Taylor, PhD1, Maureen Sartor, PhD1, K M Rentschler1, C Cote1, Francis Worden, MD1, Lisa Peterson, MS1, Douglas B Chepeha, MD2, Mark Prince, MD1, Scott McLean, MD1, George Yoo, MD1, N Saba, MD1, Dong Shin, MD1, Omer Kucuk, MD1, Gregory T Wolf, MD1, Um Head and Neck SPORE Program2; 1University of Michigan, 2University of Toronto, 3Wayne State University, 4Emory University

S048 IMPROVING FLUORESCENCE GUIDED SURGERY: EVALUATION OF A FLUORESCENCE CAMERA THAT WORKS UNDER AMBIENT LIGHT CONDITIONS
Nynke S van den Berg1, Mitsuhiro Miwa2, Gijs H KleinJan1, Takayuki Sato2, Yoshiki Maeda2, Alfons J Balm3, Baris Karakullukcu3, Fijis W van Leeuwen1; 1Leiden University Medical Center, Leiden, the Netherlands, 2Hamamatsu Photonics KK, Hamamatsu City, Japan, 3The Netherlands Cancer Institute - Antoni van Leeuwenhoek Hospital, Amsterdam, the Netherlands

S049 EPIGENETIC TARGETING OF HUMAN PAPILLOMAVIRUS POSITIVE AND NEGATIVE OROPHARYNGEAL SQUAMOUS CELL CARCINOMAS
Cameron D Lindsay, BSc, Morris A Kostiuk, PhD, Hadi Seikaly, MD, MAL, FRCSC, Jeffrey Harris, MD, MHA, FRCSC, Daniel A O’Connell, MD, MSc, FRCSC, Vincent L Biron, MD, PhD, FRCSC; University of Alberta

S050 MAINTENANCE OF FORM AND FUNCTION AFTER RADICAL PAROTIDECTOMY WITH ANTEROLATERAL THIGH FREE FLAP AND CONCOMITANT FACIAL REANIMATION TECHNIQUES.
Peter J Ciolek, MD, Michael A Fritz, MD; Cleveland Clinic Foundation

S051 PH TRANSISTOR NANOPROBES FOR DETECTION OF OCCULT NODAL METASTASES
Lenka Stankova, MD1, Zhiqiang Liu, PhD2, Tian Zhao, MS2, Gang Huang, PhD3, Jinming Gao, PhD3, Baran Sumer, MD3; 1Department of Otolaryngology-Head and Neck Surgery, University of Texas Southwestern Medical Center, 2Department of Pharmacology, Simmons Comprehensive Cancer Center, University of Texas Southwestern Medical Center, Dallas, Texas 75390, United States

S052 FEASIBILITY AND POTENTIAL VALUE OF LIPOFILLING IN POST-TREATMENT OROPHARYNGEAL DYSFUNCTION
Sophie Kraaijenga, MD1, Oren Lapid, MD, PhD2, Lisette van der Molen, SLB, PhD3, Frans Hilgers, MD, PhD1, Ludwig Smeele, MD, PhD1, Michiel van den Brekel, MD, PhD1; 1Netherlands Cancer Institute, 2Academic Medical Center Amsterdam

S053 GENOMIC SCREENING TO TARGETED THERAPY: DEVELOPING NOVEL COMPOUNDS THAT TARGET SCCRO FUNCTION
G Huang, PhD1, J Hammill2, Dc Scott, PhD2, J Min2, M Connelly2, D Bhasin2, R Barrios2, V Sviderskiy2, K Bharatham2, Rn Attia2, G Holbrook2, F Zhu2, A Matheny2, L Yang2, J Low2, Ss Ong2, Y Chen2, B Evison2, T Chen2, A Shelat2, Jw Harper2, Ba Schulman2, Rk Guy2, B Singh1; 1Memorial Sloan-Kettering Cancer Center, 2St. Jude Children’s Research Hospital, 3Harvard Medical School

S054 A NOVEL DUAL OXIDASE-2 MUTATION CAUSING HIGHLY-PENETRANT FAMILIAL THYROID CANCER IDENTIFIED BY WHOLE EXOME NEXT-GENERATION SEQUENCING
Darrin V Bann, MD, PhD1, Qunyan Jin, MD2, Kathryn E Sheldon, PhD3, Kenneth Houser, MS4, James Broach, PhD5, Glenn S Gerhard, MD5, David Goldenberg, MD, FACS6; 1Division of Otolaryngology - Head

July 16 - 20, 2016 · www.ahns.info 99
Scientific Session  Sunday, July 17, 2016

& Neck Surgery, Milton S. Hershey Medical Center and Institute for Personalized Medicine, Penn State College of Medicine, 2Department of Medical Genetics & Molecular Biochemistry, Temple University School of Medicine, 3Institute for Personalized Medicine, Penn State College of Medicine, 4Department of Biochemistry, Penn State College of Medicine, 5Department of Biochemistry and Institute for Personalized Medicine, Penn State College of Medicine, 6Division of Otolaryngology - Head & Neck Surgery, Milton S. Hershey Medical Center

Proffered Papers: Robotics II

Moderators: Michael L. Hinni, MD; Matthew Old, MD; & Marc J. Remacle, MD, PhD

S055 TRANSORAL ROBOTIC SURGERY (TORS)-ASSISTED APPROACHES FOR SUBMANDIBULAR GLAND PATHOLOGY
Christopher H Rassekh, MD, Bert W O’Malley, Jr, MD, Gregory S Weinstein; University of Pennsylvania

S056 UTILIZATION OF TRANSORAL ROBOTIC SURGERY AND ITS EFFECTS ON SHORT AND LONG-TERM FUNCTIONAL OUTCOMES AND COSTS OF CARE IN OROPHARYNGEAL CANCER SURGERY
Kevin M Motz, MD1, Jeremy D Richmon, MD, Harry Quon, MD2, Hsien-Yen Chang, PhD3, David W Eisele, MD1. Christine G Gourin, MD1; 1Dept of Otolaryngology - Head and Neck Surgery, Johns Hopkins School of Medicine, 2Department of Radiation Oncology and Molecular Radiation Sciences, Johns Hopkins University, 3Johns Hopkins Bloomberg School of Public Health

S057 ASSESSING VOLUME-BASED OUTCOMES IN HEAD AND NECK CANCER PATIENTS IN NEW ENGLAND
Neil Pathak, Phoebe Kuo, Saral Mehra, MD, MBA; Yale University School of Medicine

S058 ADOPTION OF TRANSORAL ROBOTIC SURGERY COMPARED WITH OTHER SURGICAL MODALITIES FOR TREATMENT OF OROPHARYNGEAL SQUAMOUS CELL CARCINOMA
Jennifer R Cracchiolo, MD1, Benjamin R Roman, MD, MSHP1, David I Kutler, MD2, William I Kuhel, MD2, Marc A Cohen, MD, MPH2; 1Memorial Sloan Kettering Cancer Center, 2Weill Cornell Medical College

S059 LONG-TERM FUNCTIONAL OUTCOMES AFTER TRANSORAL ROBOTIC SURGERY (TORS) FOR THE TREATMENT OROPHARYNGEAL CANCER
Virginie Achim, MD, Tyler Light, Rachel Bolognnoise, MS, CCCSLP, Andrew Palmer, PhD, CCCSLP, Donna Graville, PhD, CCCSLP, Peter Andersen, MD, Daniel Clayburgh, MD, PhD; Oregon Health and Science University

S060 TRANSORAL RESECTION OF HPV POSITIVE SQUAMOUS CELL CARCINOMA OF THE OROPHARYNX: OUTCOMES WITH AND WITHOUT ADJUVANT THERAPY
Ryan S Jackson, MD1, Parul Sinha, MD1, Joseph Zenga, MD1, Dorina Kallogjeri, MD, MPH1, Jasmina Suko, MSc1, Eric J Moore, MD2, Bruce H Haughey, MBChB, MS, FACS, FRACS1; 1Washington University School of Medicine, 2Mayo Clinic

S061 TRANSORAL ROBOTIC SURGERY FOR MANAGEMENT OF CERVICAL UNKNOWN PRIMARY SQUAMOUS CELL CARCINOMA: UPDATES ON EFFICACY, SURGICAL TECHNIQUE AND MARGIN STATUS
Mathew Geltzeiler, MD, Sean Doerfler, BA, Meghan Turner, W. Greer Albergotti, MD, Mark Kubik, MD, Seungwon Kim, MD, Robert Ferris, MD, PhD, Umamaheswar Duvvuri, MD; University of Pittsburgh Medical Center
Scientific Session  
Sunday, July 17, 2016

S062 A RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED TRIAL OF EXTENDED COURSE CORTICOSTEROID FOR POST-OPERATIVE PAIN CONTROL FOLLOWING TRANSORAL ROBOTIC SURGERY (TORS)
Daniel Clayburgh, MD, PhD1, Will Stott, BS1, Rachel Bolognone, MS, CCSSL1, Andrew Palmer, PhD, CCSSL1, Virginie Achim, MD1, Scott Troob, MD1, Ryan Li, MD1, Daniel Brickman, MD1, Donna Graville, PhD, CCSSL1, Peter Andersen, MD1, Neil Gross, MD2; 1Oregon Health and Science University, 2MD Anderson Cancer Center

S063 A NEW FLEXIBLE ENDOSCOPE FOR TRANSORAL ROBOT ASSISTED SURGERY (TORS) IN HEAD AND NECK CANCER
Stephan Lang, MD1, Stefan Mattheis, MD1, Georges Lawson, MD2, Christian Güldner, MD3, Magis Mandapathil, MD3, Patrick J Schuler, MD3, Thomas K Hoffmann, MD4, Marc O Scheithauer, MD4, Marc Remacle, MD2; 1University Hospital of Essen, 2University Hospital of Louvain at Mont-Godinne, 3The University Hospital Giessen and Marburg, 4University Hospital Ulm

Proffered Papers: Immunotherapy
Moderators: Jonathan J. Beitler, MD, MBA, FACR; ADimitrios Colevas, MD; & Christian H. Simon, MD

S064 CHECKPOINT BLOCKADE AND NEOANTIGEN IDENTIFICATION IN A MOUSE MODEL OF ORAL CAVITY SQUAMOUS CELL CARCINOMA
Paul Zolkind1, Tianxiang Lin1, Anton Alexandrov1, Maxim Artyomov1, Gavin P Dunn1, Clint T Allen2, Ravindra Uppaluri1; 1Washington University School of Medicine, 2Johns Hopkins School of Medicine

S065 COMPARING THE IMMUNOMODULATORY EFFECTS OF TADALAFIL AND MORE SELECTIVE PHOSPHODIESTERASE-5 INHIBITORS IN TUMOR BEARING MICE
Marianne Abouyared, MD, Donald Weed, MD, Adriana De La Fuente, MS, Paolo Serafini, PhD; University of Miami Miller School of Medicine

S066 ENHANCING THE IMMUNE STIMULATORY EFFECTS OF CETUXIMAB THERAPY THROUGH TLR3 SIGNALING IN EPSTEIN-BARR VIRUS (EBV) POSITIVE NASOPHARYNGEAL CARCINOMA (NPC)
Louise Tan1, Benjamin Wong2, Chwee Ming Lim3; 1Department of Otolaryngology Head and Neck Surgery, National University Health System, 2Department of Pathology, NUS, 3National University Cancer Institute Singapore

S067 EFFECTIVE IMMUNOTHERAPY OF HEAD AND NECK SQUMOUS CELL CANCERS (HNSSC) IN MURINE MODELS WITH SYNTHETIC TLR AGONISTS COMBINED WITH CHEMOTHERAPY OR A CHECKPOINT INHIBITOR
Fumi Kaneko, PhD1, Shiying Yao1, Shannon S Zhang1, Judy Varner, PhD1, Ezra Cohen, MD1, Dennis A Carson, MD1, Karen Messer, PhD1, Minya Pu, MS1, Cristina Guiducci, PhD2, Robert L Coffman, PhD2, Tomoko Hayashi, MD, PhD1; 1University of California, San Diego Moores Cancer Center, 2Dynavax Technologies

S068 IS PD1/PD-L1 INHIBITOR A RADIO-SENSITIZER? ORAL CAVITY SCC CASE REPORT
Misako Nagasaka, Ammar W Sukari; Karmanos Cancer Institute

S069 CD8 T CELL TUMOR INFILTRATING LYMPHOCYTES CORRELATED WITH HPV-RELATED BASE OF TONGUE SQUAMOUS CELL CARCINOMA (SCC) AND IMPROVED RECURRENCE FREE SURVIVAL COMPARED TO WEAK IMMUNE RESPONSE OF SMOKING-RELATED ORAL TONGUE SCC
Kate Poropatich, David Hernandez, Ajit Paintal, Kirtee Raparia, Sandeep Samant; Northwestern University

July 16 - 20, 2016 · www.ahns.info 101
S070 TUMOR REJECTION OF HIGHLY IMMUNOGENIC BUT NOT POORLY IMMUNOGENIC ORAL CAVITY CANCERS FOLLOWING STING ACTIVATION WITH CYCLIC DINUCLEOTIDES
Paul Clavijo2, Ellen Moore2, Harrison Cash2, Ruth Davis2, Carter Van Waes2, Young Kim1, Clint T Allen, MD2; 1Johns Hopkins School of Medicine, 2National Institutes of Health

S071 IMMUNE MICROENVIRONMENT IN PAPILLARY THYROID CARCINOMA AND ITS RELATION WITH CLINICAL-PATHOLOGICAL PROGNOSTIC FACTORS
Renan B Lira, MD, Marcelo L Balancin, MD, Felipe D Costa, MD, Clovis Antonio L Pinto, MD, PhD, Luiz P Kowalski, MD, PhD; AC Camargo Cancer Center

S072 DISTRIBUTION OF IMMUNE POPULATIONS IN PATIENTS WITH ORAL SQUAMOUS CELL CARCINOMA
Zipei Feng1, Daniel Bethmann, MD2, Matthias Kappler, MD3, Carmen Ballesteros-Merino, PhD4, Alexander Eckert, MD3, R. Bryan Bell, MD, DDS4, Allen Cheng, MD, DDS4, Tuan Bui, MD, DMD5, Rom Leidner, MD4, Carlo Bifulco, MD4, Claudia Wickenhauser, MD2, Barbara Seliger, PhD4, Bernard Fox, PhD4; 1Oregon Health & Science University, Department of Cell, Development & Cancer Biology, 2Martin Luther University Halle-Wittenberg, Institute of Pathology, Halle, Germany, 3Martin Luther University Halle-Wittenberg, Department of Oral and Maxillofacial Plastic Surgery, 4Robert W. Franz Cancer Research Center, Earle A. Chiles Research Institute, Providence Cancer Center, Portland, OR, 5Oral, Head and Neck Cancer Program and Clinic, Providence Cancer Center, Portland, OR, 6Martin Luther University Halle-Wittenberg, Institute of Medical Immunology

Proffered Papers: Nasopharynx

Moderators: Anthony T. C. Chan, MD; Mu-Kuan Chen, MD; & Thomas Kwok-Seng Loh, MD

S073 QUALITY OF LIFE AND QUALITY-ADJUSTED LIFE EXPECTANCE FOR PATIENTS WITH NASOPHARYNGEAL CARCINOMA TREATED BY INTENSITY MODULATED RADIOTHERAPY-PREDICTIVE VALUES OF CLINICAL STAGES
Tai-Lin Huang, MD1, Fu-Min Fang2; 1Department of Hematology and Oncology, Kaohsiung Chang Gung Memorial Hospital and Chang Gung University College of Medicine, Kaohsiung, Taiwan, 2Department of Radiation Oncology, Kaohsiung Chang Gung Memorial Hospital and Chang Gung University College of Medicine, Kaohsiung, Taiwan

S074 CONCURRENT-CHEMORADIOTHERAPY (CCRT) VERSUS INDUCTION CHEMOTHERAPY PLUS CHEMORADIOTHERAPY (IC-CCRT) IN PATIENTS WITH LOCALLY ADVANCED NON-METASTATIC NASOPHARYNGEAL CANCER
Yo Wu1, Cs Tan2, I Tham2, Lc Wong2, F Ho2, T Cheo2, Bc Goh2, T Loh1, Cm Lim1; 1National University Healthcare System, 2National Cancer Institute

S075 UPDATE ON THE SURVIVAL RESULTS OF ROBOTIC NASOPHARYNGECTOMY - A PROSPECTIVE SERIES OF 26 CASES
Raymond K Tsang, MD, Jimmy Y Chan, MD; University of Hong Kong

S076 IMPORTANCE OF LYMPH NODE DENSITY AND NUMBER OF POSITIVE LYMPH NODES FOR THE PROGNOSIS OF NODAL FAILURE IN NASOPHARYNGEAL CARCINOMA
Zenon Yeung, David C M Yeung, Eddy W Y Wong, Michael C Tong, Alexander C Vlantis, Jason Y Chan; The Chinese University of Hong Kong

S077 A PROGNOSTIC SCORE FOR METASTATIC NASOPHARYNGEAL CANCER
Jeremy Chee, MBBS, Chee Seng Tan, MBBS, MRCP, Boon Cher Goh, MBBS, MRCP, MMed, FRCS, Thomas Loh, MBBS, FRCS, Chwee Ming Lim, MBBS, MRCS, MMed; National University Hospital, Singapore
Scientific Session  Sunday, July 17, 2016

S078 VIABILITY OF NASOSEPTAL FLAP IN A PREVIOUSLY RADIATED FIELD
Raymond K Tsang, MD, Joseph C Chung, MD, Jonathan K Lau, MD, Jimmy Y Chan, MD; University of Hong Kong

S079 PROGNOSTIC VALUE OF EPSTEIN-BARR VIRUS AND P16 STATUS IN PATIENTS WITH NASOPHARYNGEAL CARCINOMA IN JAPAN
Yuki Saito, MD, PhD, Mizuo Ando, MD, PhD, Go Omura, MD, PhD, Kazuo Yasuhara, MD, Masaumi Yoshida, MD, PhD, Tatsuya Yamasoba, MD, PhD; Otolaryngology-Head and Neck Surgery, University of Tokyo

S080 WHITE LIGHT AND NARROW BAND IMAGING ENDOSCOPIC ASSESSMENT OF THE NASOPHARYNX FOR MALIGNANCY: INTER- AND INTRAOBSERVER VARIABILITY USING A BIOPSY AS THE REFERENCE STANDARD.
Alexander C Vlantis, Eddy W Wong, Siu Kwan Ng, Jason Y Chan, Faya Liang, Michael C Tong; Department of Otorhinolaryngology, Head and Neck Surgery, The Chinese University of Hong Kong, Prince of Wales Hospital, Hong Kong.

S081 MANAGEMENT OF JUVENILE NASOPHARYNGEAL ANGIOFIBROMA: A 6-YEAR RETROSPECTIVE STUDY
Chandala Chitguppi, MS, Ravi Meher, Vikram Wadwha, Swati Tandon, Ruchika Juneja, Komal Lamba, Praveen Rathore, Anoop Raj; Maulana Azad Medical College

3:15 pm - 3:45 pm  Break in Exhibit Hall

3:45 pm - 5:15 pm  PANELS OR PROFFERED PAPERS

Panel: Technology for Imaging Assessment After Head and Neck Cancer Treatment
4F
Moderator: Eugene Yu, MD

The session will address the utility of various imaging modalities in the post-therapy assessment of head and neck cancer. The recommended timing of imaging scans in post-treatment setting will also be reviewed. Common treatment related complications and their imaging appearances will also be reviewed.

Assessing Response to Therapy with PET - Tanya Rath, MD
Assessment After Chemoradiation - Sandro V. Porceddu, MD
Efficacy and Surveillance - Hisham Mehanna, PhD, MD
Complications and Pitfalls - Lawrence E. Ginsberg, MD
Assessing Response to Therapy with PET - Eugene Yu, MD

At the conclusion of this session, participants will be able to:

• Discuss the best practice for the utilization of advanced imaging techniques such as PET CT in the post-therapy setting. The timing as well as the benefits of this modality will be illustrated.

• Explain an approach to distinguish between the structural and functional abnormalities that develop post-radiation therapy and the appearance of residual or recurrent tumor.

• Recognize the imaging appearance of common post-treatment related complications and how to differentiate them from tumor recurrence.
Panel: Head and Neck Cancer Care: Challenges and Technological Barriers Across the World
Moderator: Wayne M. Koch, MD

This session will consider the challenges and opportunities inherent to caring for head and neck patients in a variety of settings outside of North America and Western Europe. Issues to be discussed include cultural factors pertaining to exposure risk and health presuppositions, technical and resource limitations, governmental influence, and availability of multidisciplinary teams.

Introduction - Wayne M. Koch, MD
Cultural Challenges - Risk - Sheng-Po Hao, MD
Cultural Challenges - Traditional Health - Xin Zhang, MD
Technical Barriers - Ayman A. Amin, MD
Patient Access Limitations - Pankaj Chaturvedi, MBBS, MS
Governmental Matters - Andre L. Carvalho, MD, PhD
Multidisciplinary Support - Wayne M. Koch, MD

At the conclusion of this session, participants will be able to:
• Recognize challenges inherent to robust head and neck surgical practices in one’s own specific setting.
• Select best-practice solution concepts for local implementation to address key obstacles in head and neck practice.
• Build networks of colleagues facing similar challenges to spawn future interactions and solutions.

Panel: Salivary Gland Malignancy
Moderator: Sefik A. Hosal, MD

This session will talk about treatment of malignant salivary gland tumors, particularly parotid tumors. Surgical management for local and regional disease along with facial nerve, and adjuvant treatment will be discussed.

Introduction - Sefik A. Hosal, MD
Surgical Management - Local Disease - Sefik A. Hosal, MD
Surgical Management - Regional Disease - Patrick K. Ha, MD
Adjuvant Therapy - Indications and Agents - David J. Adelstein, MD
Management of the Facial Nerve and Reconstruction - John Yoo, MD, FRCSC
Case Discussion - Sefik A. Hosal, MD

At the conclusion of this session, participants will be able to:
• Manage malignant parotid gland tumor
• Select adjuvant therapy
• Plan for facial nerve in parotid malignancy
Scientific Session  Sunday, July 17, 2016

Proffered Papers: Functional Outcomes I

Moderators: Jeffrey B. Jorgensen, MD & Zoukaa B. Sargi, MD, MPH

S091 COMPARISON OF HEAD AND NECK CANCER PATIENTS AT A SAFETY NET AND TERTIARY REFERRAL HOSPITAL
Emily Ambrose, MD1, Dylan Coughlin1, Marcia E Eustaquio, MD2; 1University of Colorado, 2Denver Health Hospital

S092 NEUROMUSCULAR ELECTRICAL STIMULATION IMPROVES RADIATION INDUCED FIBROSIS THROUGH TGF-β1/MYOD HOMEOSTASIS IN HEAD AND NECK CANCER
Uttam Sinha, MD, Kamil Masood, MPH, Brenda Villegas, MS, CCSLP, Melody OuYoung, CCSLP, Niels Kokot, MD; USC

S093 PROSPECTIVE STUDY OF QUALITY OF LIFE IN ADVANCED BUCCAL MUCOSA CANCERS: LONGITUDINAL STUDY
Manish Mair, Mch, resident, Sudhir Nair, MSMch, Pankaj Chaturvedi, MS, Deepa Nair; Tata Memorial Hospital

S094 SURGICAL MANAGEMENT OF DYSPHAGIA IN HEAD AND NECK CANCER PATIENTS
Uttam Sinha, MD, Lindsey Reder, MD, Brenda Villegas, MS, CCSLP, Melody OuYoung, CCSLP, Peter Crooks, MD, Niels Kokot, MD; USC

S096 TRANSORAL ROBOTIC THYROIDECTOMY: TECHNICAL REFINEMENTS.
Hoon Yub Kim, MD1, Jeremy D Richmon, MD2; 1Korea University Hospital, 2Johns Hopkins Hospital

S097 HEROIC HEAD AND NECK CANCER SURGERY, COSTS AND COMPLICATIONS
Zrria White, MD, Barry Wenig, Gina Jefferson, MD; University of Illinois at Chicago

S098 A FEASIBILITY STUDY OF THE VIBRENT(TM) SMARTPHONE APP FOR HEAD & NECK CANCER PATIENTS: IMPROVING ADHERENCE TO SWALLOW THERAPY
Jeremy Richmon, Assoc, Professor1, Heather Starmar, Ass, Prof2, Rina Abrams, Ass, Prof2, Kim Webster, Ass, Prof1, Donna Tippett, Ass, Prof1, Salem Nourelidine, Resident1; 1Johns Hopkins Medical Institution, 2Stanford University

S099 HEAD AND NECK CANCER PATIENT EDUCATION AND SUPPORT NEEDS - A MULTI-INSTITUTION STUDY
Joe Jabbour, BMedSci, Hons, MBBS, Hons1, Chris Milross, MD, FRANZCR2, Puma Sundareshan, PhD, FRANZCR3, Ardalan Ebrahim, MBBS, Hons, FRACS4, Heather Shepherd, BA, Hons, PhD5, Haryana Dhillon, BSc, PhD5, Gary Morgan, FRACDS, FRACS6, Bruce Ashford, FRACDS, FRACS7, Muzib Abdul-Razak, MBBS, FRACS6, Eva Wong, MBBS, Hons, FRACS6, Michael Veness, MD, FRANZCR3, Carsten Palme, MBBS, FRACS6, Rafael Ekmejian, MBBS, FRACS6, Jessica Tay, MBBS6, David Roshan, MBBS6, Ruben Cohen, MBBS, FRACS6, Jonathan Clark, FRACS, MBiostat10; 1Central Clinical School, Westmead, NSW, Australia, 2Department of Radiation Oncology and Medical Services, Chris O’Brien Lifehouse, Camperdown, NSW, Australia, 3Department of Radiation Oncology and Medical Services, Crown Princess Mary Cancer Centre, Westmead Hospital, Westmead, NSW, Australia, 4Department of Head and Neck Surgery, Liverpool Hospital, Liverpool NSW, Australia, 5Department of Public Health, The University of Sydney, Camperdown, NSW, Australia, 6Department of Head and Neck Surgery, Crown Princess Mary Cancer Centre, Westmead Hospital, Westmead, NSW, Australia, 7Department of Head and Neck Surgery, Wollongong Hospital, Wollongong, NSW, Australia, 8Department of Medicine, University of New South Wales, Kensington, NSW, Australia, 9Department of Medicine, University of New England, Armidale, NSW, Australia, 10Department of Head and Neck Surgery, Chris O’Brien Lifehouse, Camperdown, NSW, Australia
Proffered Papers: Oropharynx

Moderators: Danny Enepekides, MD, FRCS & Derrick Lin, MD

S100 DOSE-ESCALATED RADIOSURGERY (SRS) BOOST FOR UNFAVORABLE LOCALLY ADVANCED OROPHARYNGEAL CANCER: ONCOLOGICAL AND FUNCTIONAL OUTCOMES OF PHASE I/II TRIAL
Maged Ghaly, MD, Aditya Halthore, MD, Jeffrey Antone, Honglai Zhang, Kristin Beadle, Vinh Nguyen, MD, Doru Paul, MD, Douglas Frank, MD; Hofstra Northwell School of Medicine

S101 QUANTITATIVE EVALUATION OF RADIATION-INDUCED DYSPHAGIA: DEVELOPING A PERSONALIZED TREATMENT DEINTENSIFICATION PARADIGM
Harry Quon, MD, MS1, Xuan Hui, MD1, Zhi Cheng, MD1, Scott P Robertson, PhD1, Michael Bowers1, Joseph A Moore, PhD1, Amanda Choflet, MS, RN, OCN, DNP1, Laura Burns, BSN1, Brandi R Page, MD1, Ana P Kiess, MD, PhD1, Julia Maclean, PhD2, Michal Szczesniak, PhD2, Christine G Gourin, MD, MPH1, Ian J Cook, MB, BS, Hons, MD, Syd, FRACP2, Todd R McNutt, PhD1; 1Johns Hopkins University, 2University of New South Wales

S102 PREDICTORS OF GASTROSTOMY TUBE DEPENDENCE IN SURGICALLY MANAGED OROPHARYNGEAL CANCER
Vivek R Varma, BS1, Stephen Y Kang, MD1, Bhavna Kumar, MS1, Nicole Brown, MS2, Peter T Dziegielewski, MD1, Michael Cipolla, MD1, Amit Agrawal, MD1, Ricardo Carrau, MD1, Matthew O Old, MD1, Enver Ozer, MD1, James W Rocco, MD, PhD1, David E Schuller, MD1, Theodoros N Teknos, MD1; 1The James Cancer Hospital and Solove Research Institute The Ohio State University Wexner Medical Center Columbus, Ohio USA, 2Center for Biostatistics, The Ohio State University, Columbus, Ohio USA

S103 CLINICAL AND PATHOLOGIC CHARACTERISTICS OF HPV-POSITIVE OROPHARYNGEAL SQUAMOUS CELL CARCINOMA TREATMENT FAILURES
Eunice Yim, Nidia Rodriguez Ormaza, MD, MPH, Angela L Mazul, PhD, James Taylor, Lindsey E Matthews, MD, MPH, Mark Weissler, MD, Samip N Patel, MD, Trevor G Hackman, MD, Jose Zevallas, MD, MPH; University of North Carolina at Chapel Hill

S104 COMPARING RADIOTHERAPY VOLUMES AND CLINICAL OUTCOMES FOR UNKNOWN PRIMARY AND SMALL BASE OF TONGUE SQUAMOUS CELL CARCINOMAS: A RATIONALE FOR LINGUAL TONSILECTOMY IN THE DIAGNOSTIC WORK-UP OF HEAD AND NECK UNKNOWN PRIMARY CARCINOMAS
Ali Hosni, Peter Dixon, Anupam Rishi, Michael Au, Wei Xu, David Goldstein, Shao Hui Huang, Brian O’Sullivan, John Waldron, Scott V. Bratman, John R. de Almeida; Princess Margaret Cancer Centre

S105 MEASURING DISEASE PROGRESSION OF OROPHARYNGEAL SQUAMOUS CELL CARCINOMA USING RAMAN SPECTROSCOPY
Alan Wilson, BS1, Shona Stewart, PhD2, Heather Kirschner, MS2, Patrick Treado, PhD2, James C Post, MD, PhD2, Umamaheswar Duvvuri, MD, PhD2; 1University of Pittsburgh School of Medicine, 2ChemImage Corporation, 3University of Pittsburgh Medical Center Department of Otolaryngology, VA Pittsburgh Health System

S106 PROGNOSTIC SIGNIFICANCE OF LYMPHOCYTE-TO-MONOCYTE RATIO AND ABSOLUTE MONOCYTE COUNT IN PATIENTS WITH OROPHARYNGEAL SQUAMOUS CELL CARCINOMA
Hideyuki Takahashi, Koichi Sakakura, Tomoko Chiyoda, Kazuaki Chikamatsu; Department of Otolaryngology-Head and Neck Surgery, Gunma University Graduate School of Medicine
Scientific Session  Sunday, July 17, 2016

S107 IMPACT OF EXTRACAPSULAR SPREAD ON SURVIVAL ACCORDING TO P16 STATUS IN SQUAMOUS CARCINOMA OF OROPHARYNX AND UNKNOWN PRIMARY SITE
Natallia Kharytaniuk1, Seamus Boyle1, Peter Molony2, Gerard O’Leary1, Reiltin Werner2, Cynthia Heffron2, Linda Feeley2, Patrick Sheahan1; 1South Infirmary Victoria University Hospital, 2Cork University Hospital

S108 CLINICAL OUTCOMES IN PATIENTS WITH RECURRENT OR METASTATIC HUMAN PAPILLOMA VIRUS-POSITIVE HEAD AND NECK CANCER: A RETROSPECTIVE, SINGLE-CENTER EXPERIENCE
Vir Patel, BA, Rajan P Dang, MD, Valerie H Le, MD, Brett A Miles, DDS, MD, Marita S Teng, MD, Eric M Genden, MD, Richard Bakst, MD, Vishal Gupta, MD, David Y Zhang, MD, PhD, Elizabeth G Demicco, MD, PhD, Marshall R Posner, MD, Krzysztof J Misiukiewicz, MD; Icahn School of Medicine at Mount Sinai

Proffered Papers: Larynx/Hypopharynx

S109 LONG-TERM VOICE OUTCOMES AFTER CONCURRENT CHEMORADIOThERAPY FOR ADVANCED NON-LARYNGEAL HEAD AND NECK CANCER
Cameron R Davies-Husband, MBBS, FRCS, Michael Drinnan, PhD, Charles Kelly, FRCP, FCR, Janet A Wilson, MD, FRCS, Vinidh Paleri, MS, FRCS; Freeman Hospital, Newcastle

S110 DURABILITY AND COST ANALYSIS BETWEEN INDWELLING VERSUS NON-INDWELLING TRACHEO-ESOPHAGEAL PROSTHESES
Chetan S Nayak, MD, Zoukaa Sargi, MD, MPH, Mario Landera, SLPD, Jason Leibowitz, MD, Kaming Lo, MPH, Donna Lundy, PhD; University of Miami

S111 INJECTABLE SOFT TISSUE AUGMENTATION FOR THE TREATMENT OF TRACHEOESOPHAGEAL PROSTHESIS ENLARGEMENT
Tioson Tjoa, MD, Glenn W Bunting, MS, CCCSLP, Daniel G Deschler, MD; Massachusetts Eye & Ear Infirmary

S112 PREDICTORS OF COMMUNICATION EFFECTIVENESS AFTER TOTAL LARYNGECTOMY
Andrew D Palmer, PhD, CCC, SLP, Jana M Childes, MS, CCC, SLP, Melanie Fried-Oken, PhD, CCC, SLP, Donna J Graville, PhD, CCC, SLP; Oregon Health & Science University

S113 LARYNX PRESERVATION IN ADVANCED HNSCC - RESPONSE ASSESSMENT AFTER ONE CYCLE INDUCTION CHEMOTHERAPY UTILIZING CLINICAL SURFACE EVALUATION COMPARED TO 18F-FDG-PET/CT AND CT-VOLUMETRY
Gunnar Wichmann, PhD1, Anne Krueger1, Andreas Boehm, MD1, Marlen Kolb, MSc1, Mathias Hofer, MD1, Milos Fischer, MD1, Sandra Purz, MD2, Patrick Stumpf, MD2, Mario Cypko, MSc2, Stefan Mueller, MD2, Osama Sabri, MD, PhD2, Andreas Dietz, MD, PhD1, Regine Kluge, MD, PhD2; ENT Dep., University of Leipzig, aDepartment of Nuclear medicine, University of Leipzig, Germany, bDepartment of Diagnostic and Interventional Radiology, University of Leipzig, Germany, cInnovation Center Computer Assisted Surgery (ICCAS), University of Leipzig, Germany, dDepartment of Surgical Oncology, National Cancer Centre Singapore

S114 PATTERN OF LYMPH NODE METASTASIS IN HYPOPHARYNGEAL SQUAMOUS CELL CARCINOMA: WHEN DO WE NEED LEVEL VI LYMPH NODE DISSECTION?
Eun-Jae Chung, MD, PhD1, Go-Woon Kim, MD2, Bum-Ki Cho, MD2, Min Woo Park, MD2, Kee Hwan Kwon, MD, PhD2, Young-Soo Rho, MD, PhD2; 1Department of Otorhinolaryngology-Head and Neck Surgery, Seoul National University College of Medicine, 2Department of Otorhinolaryngology-Head and Neck Surgery, Ilsong Memorial
Scientific Session

Sunday, July 17, 2016

Head and Neck - Thyroid Cancer Hospital, Hallym University Medical Center, Seoul, Korea

S115 TREATMENT OF LOCALLY ADVANCED LARYNGEAL CANCER AT TERTIARY-CARE PUBLIC HOSPITAL
David J Hernandez, MD, Urjeet A Patel, MD, FACS; Department of Otolaryngology-Head and Neck Surgery; Northwestern University, Chicago, IL. USA

S116 TREATMENT OF EARLY STAGE SUPRAGLOTTIC SQUAMOUS CELL CARCINOMA: META-ANALYSIS COMPARING PRIMARY SURGERY VERSUS PRIMARY RADIOTHERAPY
Krupal B Patel, MD, Anthony Nichols, MD, Kevin Fung, MD, John Yoo, MD, S. Danielle MacNeil, MD; Western University

S117 IMPACT OF LARYNGEAL EXPOSURE ON MARGIN STATUS IN PATIENTS TREATED BY TRANSORAL LASER MICRO SURGERY FOR T1S-T2
Paola Grazioli¹, Cesare Piazza¹, Francesca Del Bon¹, Pietro Perotti¹, Alberto Paderno¹, Nausica Montalto¹, Piero Nicolai¹, Giorgio Peretti²; ¹Department of Otorhinolaryngology - Head and Neck Surgery, University of Brescia, Italy, ²Department of Otorhinolaryngology - Head and Neck Surgery, University of Genoa, Italy

Proffered Papers: Skin

Moderators: Nicole C. Schmitt, MD; Andrew G. Sikora, MD, PhD; & John Sunwoo, MD

S118 RISK AND SURVIVAL OF PATIENTS WITH HEAD AND NECK CUTANEOUS MELANOMA: NATIONAL PERSPECTIVE
Zaid Al-Qurayshi¹, Khuzema Mohsin, MD¹, Sudesh Srivastav², Emad Kandil¹; ¹Tulane University School of Medicine, ²Tulane University School of Public Health and Tropical Medicine

S119 CUTANEOUS HEAD AND NECK ANGIOSARCOMA: POORER LOCAL CONTROL AND SURVIVAL FOR SCALP THAN FACE
Jonathan M Bernstein, MD, FRCS¹, Brian O’ Sullivan, MD, FRCPC², Jonathan C Irish, MD, MSc, FRCSI¹; ¹Department of Otolaryngology - Head & Neck Surgery, University of Toronto, ²Department of Radiation Oncology, Princess Margaret Cancer Centre, University of Toronto

S120 ONCOLOGIC OUTCOMES AND PROGNOSTIC FACTORS OF THE HEAD AND NECK ANGIOSARCOMA TREATED IN A SINGLE INSTITUTION
Hung-Wei Yang, Hui-Fu Huang, Hao-Chih Tai, Chen-Hsiang Kuan; National Taiwan University Hospital

S121 PROGNOSTIC FACTORS IN DETERMINING THE OUTCOME OF HEAD AND NECK CUTANEOUS MELANOMA
Kristyn Buchko, KAlok Pathak; CancerCare Manitoba

S122 TREATMENT AND OUTCOME OF ADVANCED EXTERNAL AUDITORY CANAL AND MIDDLE EAR MALIGNANT TUMORS
Giovanni Cristalli, MD, Giuseppe Mercante, MD, Valentina Manciocco, PhD, Giuseppe Spriano, MD; Regina Elena National Cancer Institute

S123 TOTAL RADIATION DOSE DELIVERED IMPACTS SURVIVAL IN HEAD AND NECK MERKEL CELL CARCINOMA PATIENTS RECEIVING SURGERY WITH ADJUVANT RADIATION.
Minh Tam Truong, MD¹, Muhammad M Qureshi, MBBS², Diana Kirke, MD¹, Debjani Sahni, MD¹, Scharukh Jalisi, MD¹, Waleed Ezzat, MD¹; ¹Boston Medical Center, ²Boston University School of Medicine

S124 DESMOPLASTIC MELANOMA OF THE HEAD AND NECK: IS THERE A ROLE FOR SENTINEL LYMPH NODE BIOPSY?
Dylan F Roden, MD, MPH¹, Anna C Pavlick, DO², Mark D DeLacure, MD¹; ¹Department of Otolaryngology - Head & Neck Surgery, New York University, ²Department of Medical Oncology, New York University
S125 NEOADJUVANT BRAF/MEK CO-INHIBITION: A PARADIGM SHIFT IN THE TREATMENT OF MARGINALLY RESECTABLE LOCOREGIONALLY ADVANCED HEAD & NECK MELANOMA
Danish A Nagda, MD, Lynn A Cornelius, MD, Gerry P Linette, MD, PhD, Rebecca D Chernock, MD, Brian Nussebaum, MD; Washington University School of Medicine in St Louis

S126 THE CHANGING FACE OF INPATIENT CUTANEOUS CANCER CARE OF THE TRANSPLANT PATIENT
Thomas K Chung1, Cecelia Schmalbach2; 1University of Alabama at Birmingham, 2Indiana University

Proffered Papers: Reconstruction

Moderators: Vasu Divi, MD; & David P. Goldstein, MD, FRCSC

S127 FACTORS ASSOCIATED WITH RE-OPERATION, READMISSION, AND LENGTH OF STAY FOLLOWING TOTAL LARYNGECTOMY WITHOUT FREE FLAP: A REVIEW OF THE AMERICAN COLLEGE OF SURGEONS NATIONAL QUALITY IMPROVEMENT PROGRAM.
Samuel N Helman, MD1, Brant Jason, MD2, Steven B Cannady, MD, Jason G Newman, MD3; 1New York Eye and Ear Infirmary of Mount Sinai, 2Hospital of the University of Pennsylvania, 3Department of Otolaryngology - Head and Neck Surgery, Hospital of the University of Pennsylvania, 4Department of Otolaryngology, Icahn School of Medicine at Mount Sinai

S128 A BIOLOGIC ANTIMICROBIAL COATING FOR IMPLANTABLE HEAD AND NECK HARDWARE
Olivia T Cheng, BA1, Eric Babajanian, BS1, Shawn Li, MD2, Anna Akkus, PhD3, Ozan Akkus, PhD4, Tracey Bonfield, PhD4, Chad Zender, MD, FACS5; 1Case Western Reserve University School of Medicine, 2University Hospitals- Case Western Medical Center, 3Case Western Reserve University

S129 OSTEOCUTANEOUS RADIAL FOREARM FREE FLAP RECONSTRUCTION OF THE MIDFACE ACHIEVES GOOD FUNCTIONAL OUTCOMES WITH MINIMAL DONOR SITE MORBIDITY.
Larissa Sweeny1, Timothy Connolly1, Benjamin Greene1, William Carroll1, Eben Rosenthal1; 1University of Alabama at Birmingham, 2Stanford University

S130 ANALYSIS OF CLINICAL VARIABLES ASSOCIATED WITH PLATE EXTRUSION IN OROMANDIBULAR RECONSTRUCTION
Jessica D Prasad, Dr, Anthony Nichols, Dr, Kevin Fung, Dr, Danielle MacNeil, Dr, Julie Theurer, PhD, Danny Lee, David Yeh MD, FRCSC, John Yoo, Dr; London Health Sciences Centre, London, Ontario. (Western University)

S131 LONG-TERM RESULTS OF DENTAL IMPLANTS IN HEAD AND NECK TUMOR PATIENTS AND TREATMENT MODALITIES AS RISK FACTORS FOR IMPLANT FAILURE
Stephan Studer, DMD1, Gerhard Huber, MD2, Gabriela Studer, MD2, Tamara Rordorf, MD3, Harald Essig, MD, DMD4, Daniel Zweifel, MD, DMD5, Martin Rücker, MD, DMD6, Marius Bredell, BChD7, MBChB, MChD8; Dental office, limited to tumor patients, Zurich, Switzerland, 1University Hospital Zurich, Switzerland

S132 APPLICATION OF IMPLANTABLE VENOUS FLOW COUPLERS IN THE MONITORING OF FREE FLAPS: ANALYSIS OF 201 CONSECUTIVE RECONSTRUCTIONS OF THE HEAD AND NECK.
Scott H Troob, MD, Deniz Gerecci, MD, Javier D Gonzalez, MD, Macgregor Hodgson, BA, Daniel Petrisor, DMD, MD, Mark K Wax, MD; Oregon Health and Science University

S133 VENOUS TECHNIQUE DOES NOT AFFECT FREE FLAP SURVIVAL: A UNIVERSITY OF MIAMI EXPERIENCE
Nicholas C Purdy, DO1, Jared Gans, MD2, Chetan Nayak, MD3, Zoukaa Sargi, MD, MPH4, Jason Leibowitz, MD5; 1Geisinger Medical Center, 2Montefiore Medical Center, 3University of Miami
Scientific Session  Sunday, July 17, 2016

S134 ANTIBIOTIC PROPHYLAXIS IN HEAD AND NECK OSTEOMYOCUTANEOUS FREE TISSUE TRANSFERS. A SINGLE INSTITUTION RETROSPECTIVE REVIEW.
James A Murphy, BDS, MB, BCH, BAQ, MFDS, MRCS, FFD; Joshua E Lubeck, MD, DDS, FACS, Amal Isaiah, MD, PhD; Ahmed Farid, DDS; University of Maryland M

S135 LONG-TERM DONOR AND RECIPIENT SITE OUTCOMES FOLLOWING FIBULA FREE FLAP RECONSTRUCTION IN THE HEAD AND NECK
Andrew T Huang, MD, Peirong Yu, MD, Matthew Hanasono, MD; 1Medical University of South Carolina, 2The University of Texas M.D. Anderson Cancer Center

5:30 pm - 6:30 pm  Tips on NIH Peer Review and Funding Opportunities at NIDCR
Moderators: Yasaman Shirazi, PhD & Sundar Venkatachalam, MD, PhD

5:30 pm - 6:30 pm  Building a Multidisciplinary Head and Neck Program from the Ground Up
Moderators: Carole Fakhry, MD, MPH & Yelizaveta L. Shnayder, MD
Sponsored by the Women in AHNS Task Force and AHNS Young Members Task Force

The special panel will discuss important topics ranging from the development of Endocrine and Transoral Robotic Surgery programs to developing a Multidisciplinary Head and Neck Cancer Program at a county hospital, to re-building a program after a natural disaster. The session will focus on addressing potential challenges and resolutions. You will learn the key components in making a program successful and how to create a supportive environment from key stakeholders.

Building a Head and Neck Program
After Hurricane Katrina - Anna M. Pou, MD
Building a Head and Neck Program at a County Hospital - Amy Anne Lassig, MD, BA
Developing a Thyroid Program - Vikas Mehta, MD
Building a Transoral Robotic Surgery Program - Umamaheswar Duvvuri, MD, PhD

At the conclusion of this session, participants will be able to:

• Recognize how to identify and engage key participants needed to develop a Multidisciplinary Head and Neck Cancer Program and to promote the implementation of novel technologies
• Identify the financial implications of the Multidisciplinary Clinical Program, including tips on how to create a business plan and justify new hiring
• Implement identifying appropriate patient population, establishing referral pattern and training OR personnel in Robotic Surgery
Scientific Session  Sunday, July 17, 2016

6:30 pm - 7:30 pm  Building a Multidisciplinary Head and Neck Program from the Ground Up Networking Hour  
Sponsored by the Women in AHNS Task Force and AHNS Young Members Task Force  
RSVP Required

7:30 pm - 8:30 pm  International Welcome Reception with Exhibitors
Scientific Session
Monday, July 18, 2016

Monday, July 18, 2016

6:00 am - 7:15 am  Intuitive Surgical Satellite Symposium: Innovations in Robotic Surgery - Intuitive Breakfast Symposium - Dedicated to Technological Excellence

This is a NON-CME activity and was not planned by AHNS. AHNS takes no responsibility for the content.

Speakers: Drs. Chris Holsinger, Eric J. Moore and Gregory S. Weinstein

6:00 am - 7:15 am  Medtronic Satellite Symposium: State-of-the-Art Neural Monitoring 2016

This is a NON-CME activity and was not planned by AHNS. AHNS takes no responsibility for the content.

Speakers: Gregory Randolph, MD, FACS; Richard J. Wong, MD, FACS and Catherine F. Sinclair, M.D., FRACS

7:30 am - 8:30 am  Jatin P. Shah Symposium

The Future of Head and Neck Cancer in 10 Years

Moderator: Robert L. Ferris, MD, PhD

Operating Room of the Future - Jonathan Irish, MD
Early Clinical Trials - Eben L. Rosenthal, MD
Radiation Therapy - Quynh-Thu Le, MD
Systemic Therapy - Barbara A. Burtness, MD
Immunotherapy - Robert L. Ferris, MD, PhD

8:30 am - 9:00 am  AHNS Awards Ceremony

9:00 am - 9:45 am  AHNS Presidential Address & Presidential Citations

Dennis H. Kraus, MD
New York Head & Neck Institute
New York, NY

Introduction by: Jeffrey N. Myers, MD, PhD

Presidential Guest of Honor: Harvey M. Tucker, MD

Distinguished Service Award: Ehab Y. Hanna, MD

Presidential Citations
Mike Benninger, MD; John Coleman, MD; Maradalia De La Cruz; Diana Desiova; Yvonne Estepa; Doug Frank, MD, FACS; Evangeline Garzon; Pierre Lavertu, MD; Nancy Leupold; Drew Ridge, MD, PhD; Dave Terris, MD; & Greg Weinstein, MD
Scientific Session  Monday, July 18, 2016

9:45 am - 10:30 am  Keynote Lecture
Technology Implementation in a Safe and High Reliability Health Care Organization

Dave Williams, MD
CEO, Southlake Regional Health Centre; Former NASA/Canadian Space Agency Astronaut
Newmarket, Ontario, Canada

Introduction by: Eben L. Rosenthal, MD

10:30 am - 10:45 am  Break in Exhibit Hall

10:45 am - 12:15 pm  Video Sessions, Panels or Proffered Papers

**Video Sessions: How I Do It – Part 1**
Moderator: James L. Netterville, MD
During this session experts in the field of Head and Neck Surgery have been selected for their expertise in critical surgical procedures. Each will present their topic by use of a surgical video of the procedure outlining their techniques, including indication, surgical pearls, and how to avoid the potential complications of each procedure.

- TLM for OPSCC - Bruce H. Haughey, MBChB, FRACS
- TORS for OPSCC - Gregory S. Weinstein, MD
- TORS for Larynx - Enver Ozer, MD
- Endoscopic Pituitary - Carl H. Snyderman, MD, MBA
- Robotic Neck Dissection - Yoon Woo Koh, MD, PhD
- Central Neck Dissection - Ralph P. Tufano, MD

At the conclusion of this session, participants will be able to:
- Recognize in-depth tips and surgical pearls from each of the video surgical presentations by experts in the field
- Identify indications for each procedure
- Demonstrate how to avoid complications of each procedure

**Panel: Evolving Role of Induction Chemotherapy**
Moderator: Lisa Licitra, MD & Danny Rischin, MD
Induction Therapy to Deintensify RT for HPV+ - Barbara A. Burtness, MD
Wrap up Summary: What is the Role of Induction Chemotherapy? - Danny Rischin, MD
Functional Benefits of Induction Therapy - Jan S. Lewin, MD
Standard and Non-Standard Regimens - Lisa Licitra, MD
Scientific Session

Panel: Changing Landscape in Management of Thyroid Cancers
Moderator: Gary L. Clayman, MD, DDS & Claudio R. Cernea, MD

Role of Targeted Chemotherapy in DTC - Marcia Brose, MD, PhD
Differentiated Thyroid Cancer: Use of RET Mutation in Management Decisions - Gary L. Clayman, MD, DDS
Recurrent Medullary Thyroid Cancer - Systematic Approach to Imaging and When to Operate - Claudio R. Cernea, MD
Role of Radiation Therapy for Advanced and Metastatic Differentiated Thyroid Cancer - James Brierley, MS, MB, FRCR, FRCPC

Panel: The Current Management of Melanoma: A Multidisciplinary Approach
Moderators: Carol R. Bradford, MD & Steven J. Wang, MD

The panel will discuss the current management of melanoma from a multidisciplinary perspective. Recent advances in surgical technique, radiation treatment, and targeted therapies will be highlighted using a evidence-based approach with case illustrations.

Introduction - Carol R. Bradford, MD
Surgical Management of Melanoma - Carol R. Bradford, MD
Management of Regional Disease - Larry L. Myers, MD
Radiation Therapy - Bryan Burmeister, MD
Systemic and Targeted Therapy For Melanoma - Shailender Bhatia, MD
Cases for Panel Discussion - Steven J. Wang, MD

At the conclusion of this session, participants will be able to:

• Plan surgical management of primary and regionally metastatic melanoma of the head and neck.
• Choose appropriate adjuvant treatment for locoregionally advanced melanoma.
• Articulate best practices for patients with advanced metastatic melanoma

Proffered Papers: Basic Science
Moderators: Emiro Caicedo-Granados, MD; Mark J. Jameson, MD, PhD; & Yi Li, MD

S136 MICROBIOME PROFILING AND CLINICO-PATHOLOGIC BEHAVIOR IN ORAL TONGUE CANCER
Huan Zhang, BA1, Pauline Funchain, MD2, Farshad Niazi, BS3, Gurkan Bebek, PhD4, Jessica Altemus, MS5, Marty Retuerto, MS4, Mahmoud Ghannoum, PhD, EMBA4, Brian Burkey, MD, ME4, Charis Eng, MD, PhD5; 1Cleveland Clinic Lerner College of Medicine, 2Cleveland Clinic Taussig Cancer Institute, 3Case Western Reserve University Center for Proteomics and Bioinformatics, 4Case Western Reserve University Department of Dermatology, 5Cleveland Clinic Head and Neck Institute, 6Cleveland Clinic Genomic Medicine Institute
S137 CHANGE IN CD3 ZETA CHAIN EXPRESSION IS AN INDEPENDENT PREDICTOR OF DISEASE STATUS IN HEAD AND NECK CANCER PATIENTS
Deepak Upreti, Man Li Zhang, Sam Kung, K. Alok Pathak; University of Manitoba

S138 C-MET-MEDIATED REACTIVATION OF PI3K/AKT SIGNALLING CONTRIBUTES TO INSENSITIVITY OF BRAF(V600E) MUTANT THYROID CANCER TO BRAF INHIBITION
Hyung Kwon Byeon, MD, PhD; Ji-Hoon Kim, MD; Jung Min Kim, MD; Myung Jin Ban, MD; Jae Wook Kim, MD; Won Shik Kim, MD; Hwi Jung Na, BS; Yeon Ju Yang, PhD; Yoon Woo Koh, MD, PhD; Eun Chang Choi, MD, PhD; 1Department of Otorhinolaryngology, Yonsei University College of Medicine, 2Department of Otorhinolaryngology, Soonchunhyang University College of Medicine

S139 SUPRACRICOID PARTIAL LARYNGECTOMY WITH CHEP. A SERIE OF 191 PATIENTS WITH GLOTTIC CANCER. IS IT STILL INDICATED?
Dominique Chevalier, MD, François Mouawad, MD, PhD, Benedicte Rysman, MD, Anne Sophie Thissse, MD, Geoffroy Mortuaira; University Hospital Lille

S140 CLINICAL SIGNIFICANCE OF TUMOR-ASSOCIATED NEUTROPHILS IN ORAL SQUAMOUS CELL CARCINOMA
Davide Lombardi, MD, Davide Mattavelli, MD; Valentina Taglietti, MD; Cesare Piazza, MD; Alberto Paderno, MD; Francesco Missale, MD; William Vermi, MD; Piero Nicolai, MD; 1Department of Otorhinolaryngology - Head and Neck Surgery, University of Brescia, Italy, 2Department of Otorhinolaryngology - Head and Neck Surgery, University of Genoa, Italy, 3Department of Molecular and Translational Medicine, University of Brescia, Italy

S141 MOLECULAR DISSECTION OF THE ONCOGENIC ROLE OF ETS1 IN THE MESENCHYMAL SUBTYPES OF HEAD AND NECK SQUAMOUS CELL CARCINOMA
Christian Gluck, Isha Sethi, Maria Tsompana, PhD, Satrajit Sinha, PhD; SUNY Buffalo

S142 STRATEGIES FOR WEE1 INHIBITOR AS A NOVEL TARGETED THERAPY FOR HEAD AND NECK SQUAMOUS CELL CARCINOMA, EXPLOITING G2/M CHECKPOINT ABROGATION AFTER GENOTOXIC THERAPY
Michael Kao, MD; Keffy Kehrli; Carlos Green; Julia Sidorova, PhD; Eduardo Mendez, MD, MS; 1University of Washington, Department of Otolaryngology, Fred Hutchinson Cancer Research Center, Clinical Research Division, 2University of Washington, Department of Pathology

S143 CD44 AND ASSOCIATED MARKERS IN ORAL RINSES AND TISSUES FROM ORAL CANCER PATIENTS
Erin R Cohen, BS; Aymee Perez, PhD, Lutecia Pereira, PhD, Erika Reategui, MS, Isildinha M Reis, PhD, Carmen Gomez, MD, Monika E Freiser, MD, MPH, Elizabeth J Franzmann, MD; University of Miami

S144 ALTERED LYMPH NODE IMMUNE MICROENVIRONMENT IN SQUAMOUS CELL CARCINOMA PATIENTS WITH EXTRACAPSULAR SPREAD
Adam Lugrinbuhl, MD, Michael C Topf, MD, Joseph M Curry, MD, David M Cognetti, MD, Ulrich Rodeck, MD, PhD, Larry A Harshyne, PhD; Thomas Jefferson University Hospital

Proffered Papers: New Therapeutic Targets & Diagnostics

Moderators: Apostolos Christopoulos, MD, MSc; Satoshi Fukuda, MD; & Benjamin Judson, MD
S145 TREATMENT WITH SCLEROSTIN ANTIBODY TO STIMULATE MANDIBULAR BONE FORMATION IN A MOUSE MODEL.
Matthew Tamplen, MD1, Tristan Fowler, PhD1, Jeff Markay, MD1, Larry J Suva, PhD2, P. Daniel Knott, MD1, Tamara Alliston, PhD1; 1University of California San Francisco, 2Texas Veterinary Medical Center

S146 GENOME SCALE RNAI SCREEN OF PATIENT-DERIVED TUMOR PRIMARY CELLS FOR THE IDENTIFICATION OF THERAPEUTIC TARGETS AND CHEMO-SENSITIZERS IN HEAD AND NECK SQUAMOUS CELL CARCINOMA (HNSCC)
Chang Xu1, Olga Nikolova2, In Sock Jang3, Ryan M Mitchell4, Yuzheng Zhang5, Justin Guinney3, Adam Margolin3, Carla Grandori3, Chris Kemp5, Eduardo Méndez1; 1University of Washington/Fred Hutchinson Cancer Research Center, 2Oregon Health & Science University, 3Fred Hutchinson Cancer Research Center, 4University of Washington

S147 INDUCTION CETUXIMAB, PACLITAXEL, CARBOPLATIN FOLLOWED BY CHEMORADIATION, CETUXIMAB, PACLITAXEL, AND CARBOPLATIN FOR STAGE III/IV H&N SCC: A PHASE II ECOG TRIAL (E2303)
Harold J Wanebo, MD, Ju-Whei Lee, PhD, Barbara A Burtness, MD, John A Ridge, MD, PhD, Musie Ghebremichael, PhD, Sharon A Spencer, MD, Arlene A Forastiere, MD; Eastern Oncology Group

S148 ADJUNCT TESTOSTERONE THERAPY IMPROVES CARDIAC FUNCTION IN CANCER PATIENTS UNDERGOING CHEMORADIOTherapy
Albert Chamberlain, MD, Michael Kinsky, MD, McCammon Susan, MD, Daniel Jupiter, PhD, Maurice Willis, MD, Sandra Hatch, MD, Gwyn Richardson, MD, E L Dillon, PhD, W J Durham, PhD, R J Urban, MD, M Sheffield-Moore, PhD; University of Texas Medical Branch

S149 PLASMONIC PHOTOTHERMAL THERAPY (PPTT) FOR INDUCED ORAL CANCERS
Hazem Saleh, MD1, Omar Abdellatif, MSc2, Mohamed Osama Elshazly, PhD3, Alaa Raafat, PhD3, Adel Gohar, PhD3, Taher Salah El Din, PhD3; 1Otolaryngology Department, National Institute of Laser, Cairo University, 2Department of Clinical Pathology, Faculty of Veterinary Medicine, Cairo University, 3Department of Pathology, Faculty of Veterinary Medicine, Cairo University, 4Nanotechnology Laboratory, Agricultural Research Centre, Egypt

S150 A PHASE 3, RANDOMIZED, OPEN-LABEL STUDY OF DURVALUMAB (MEDI4736) +/- TREMELIMUMAB, VERSUS STANDARD OF CARE (SOC), IN PLATINUM-RESISTANT RECURRENT OR METASTATIC (R/M) SQUAMOUS CELL CARCINOMA OF THE HEAD AND NECK (SCCHN): EAGLE
Robert L Ferris1, Mikhail Dvorkin PhD2, Jerome Fayette3, Paul Clement4, Caroline Even5, Eva Remenar6, Robert Haddad7, Makoto Tahara8, Trishna Goswami9, April Franks9, Ugochi Emeribe9, Giovanni Melillo5, Lisa Licitra10; 1Department of Otolaryngology and Cancer Immunology Program, University of Pittsburgh Cancer Institute, Pittsburgh, USA, 2Budgetary Healthcare Institution of Omsk Region “Clinical Oncologic Dispensary”, 3Centre Léon Bérard, Lyon, France, 4Universitair Ziekenhuis Antwerpen, Belgium, 5Head and Neck Oncology, Institut Gustave-Roussy, Villejuif, France, 6Országos Onkológiai Intézet, Budapest, Hungary, 7Dana Farber Cancer Institute, Boston, USA, 8Head and Neck Medical Oncology, National Cancer Center Hospital East, Kashiwa, Japan, 9Immuono-Oncology GMD, AstraZeneca, Gaithersburg, USA, 10Head and Neck Cancer Medical Oncology Unit, Fondazione IRCCS Istituto Nazionale dei Tumori, Milan, Italy

S151 5-AZACYTIDINE SELECTIVELY INDUCES TRANSCRIPTION-DEPENDENT DNA DOUBLE STRAND BREAKS AND LIMITS METASTATIC POTENTIAL IN HUMAN PAPILLOMA VIRUS ASSOCIATED HEAD AND NECK SQUAMOUS CELL CARCINOMA
Michael Hajek, Andrew Sewell, MD, Asel Biktasova, MD, PhD, Cyril
Scientific Session  Monday, July 18, 2016

Gary, Wendell Yarbrough, MD, MMHC, FACS, Natalia Issaeva, PhD; Yale School of Medicine

S152 RADIOIMMUNOTHERAPY OF ANTI-EGFR ANTIBODY LABELED WITH RADIOISOTOPE IN HEAD AND NECK SQUAMOUS CELL CARCINOMA XONOGRAFTED MODEL
Ik Joon Choi, MD, Guk Haeng Lee, MD; Department of Otolaryngology-Head and Neck surgery, Korea Cancer Center Hospital

S153 INCREASED EXPRESSION OF DR4/DR5 IN CSC LIKE CHEMOTHERAPY RESISTANT CELLS FROM HEAD & NECK CANCER MIGHT RENDER THEM SUSCEPTIBLE TO TRAIL MEDIATED APOPTOSIS
Sudheendra H V1, Safeena Kulsum1, Gangotri Siddappa1, Ravindra Dr2, Sindhu V Govindan2, Moni A Kuriaikose2, Amritha Suresh1; 1DSRG-5, Integrated Head and Neck Oncology Research Program, Mazumdar Shaw Center for Translational Research, Mazumdar Shaw Medical Center, Narayana Health City, Bengaluru - 560099, 2Head and Neck Oncology, Mazumdar Shaw Medical Centre, Narayana Health City, Bengaluru - 560099

Proffered Papers: Oropharynx II

Moderators: Gideon Y. Bachar, MD, MSc; Joseph A. Paydarfar, MD; & Sharon A. Spencer, MD

S154 ACCURACY OF FIRST POST-TREATMENT PET/CT IN PREDICTION OF DISEASE-FREE SURVIVAL FOR OROPHARYNGEAL SQUAMOUS CELL CARCINOMA TREATED WITH PRIMARY TRANSORAL ROBOTIC SURGERY (TORS)
Kealan C Hobelmann, Adam J Luginbuhl, MD, William M Keane, MD, Joseph M Curry, MD, David M Cognetti, MD; Thomas Jefferson University

S155 ROLE OF MARGIN STATUS IN TRANSORAL ROBOTIC SURGERY (TORS) FOR HEAD & NECK SQUAMOUS CELL CARCINOMA
Sapna A Patel, MD1, Aarthi Parvathaneni2, Neal D Futran, DMD, MD1, Eduardo Mendez, MD, MS1; 1University of Washington, 2Interlake High School

S156 SUPERIOR SURVIVAL OF SURGICAL BASED TREATMENTS IN ADVANCED STAGE TONSIL CANCER
Dylan F Roden, MD, MPH1, David Schreiber, MD2, Babak Givi, MD; 1Department of Otolaryngology - Head & Neck Surgery, New York University, 2Department of Radiation Oncology, Downstate University Hospital

S157 PROGNOSTIC MODELS INCLUDING HPV: PREFERRED TEST, VALIDATION AND DECISION CURVE ANALYSIS FOR PATIENTS IN THE NETHERLANDS AND THE USA.
Emilie Dronkers1, Daan Nieboer, Msc1, Stephanie Mes, MD2, Marc van der Schroeff, MD, PhD3, Ton Langeveld, MD, PhD2, Dorina Kallogjeri, MD, PhD4, René Leemans1, Jay Piccirillo, MD, PhD4, Ruud Brakenhoff, PhD5, Ewout Steyerberg, PhD6, Robert Baatenburg de Jong, MD, PhD1; 1Erasmus University Medical Center Rotterdam, 2Leiden University Medical Center, 3VU Medical Center Amsterdam, 4Washington University School of Medicine in St.Louis

S158 PERSISTENT NECK DISEASE AFTER COMBINED CHEMORADIATION THERAPY FOR HPV-POSITIVE OROPHARYNGEAL SQUAMOUS CELL CANCER: INCIDENCE AND PREDICTIVE FACTORS
Sewit Teckie, MD, Maged Ghaly, MD, Dev Kamdar, MD, Douglas Frank, MD, Nagashree Seetharamu, MD; Northwell Health System

S159 IMPROVED SURVIVAL FOR N2A OROPHARYNX SQUAMOUS CELL CARCINOMA VS. N0/N1: IS OUR STAGING SYSTEM STILL ACCURATE? A POPULATION-BASED ANALYSIS OF 15,588 CASES.
Valerie Fritsch, MD, David Neskey, MD, Terry Day, MD; Medical University of South Carolina
Scientific Session
Monday, July 18, 2016

S160 TREATMENT OUTCOMES FOR N3 DISEASE FROM HPV-RELATED OROPHARYNGEAL SQUAMOUS CELL CARCINOMA
Joseph Zenga, MD1, Bruce H Haughey, MBChB, MS1, Ryan S Jackson, MD1, Douglas R Adkins, MD1, John Aranake-Chrisinger, MD1, Neel Bhatt, MD1, Hiram A Gay, MD1, Dorina Kallogjeri, MD, MPH1, Eliot J Martin, RPAC2, Eric J Moore, MD2, Randal C Paniello, MD, PhD, MBA2, Jason T Rich, MD2, Wade L Thorstad, MD2, Brian Nussenbaum, MD2; 1Washington University School of Medicine, 2Mayo Clinic

S161 HIGH-RISK HUMAN PAPILLOMAVIRUS IN TONSIL TISSUE: PREVALENCE IN HEALTHY ADULTS AND COLOCALIZATION WITHIN CRYPT BIOFILM.
Katherine K Rieth, MD, Steven R Gill, PhD, Mark A Merkley, MD, PhD, Paul D Allen, PhD, Abberly Lott Limbach, MD, Matthew C Miller, MD; University of Rochester Medical Center

S162 IMPACT OF EXTRACAPSULAR EXTENSION IN NODE-POSITIVE HEAD AND NECK SQUAMOUS CELL CARCINOMAS - A POPULATION-BASED STUDY
Daniel Gerry, MD, Christopher Johnson, James K Byrd, MD; Medical College of Georgia at Augusta University

Proffered Papers: Skull Base
Moderators: Timothy M. McCulloch, MD & Adam Zanation, MD

S163 CLINICAL SIGNIFICANCE OF PREOPERATIVE EVALUATION OF THE EXTENT OF ORBITAL INVASION IN MAXILLARY SQUAMOUS CELL CARCINOMA
Il-Seok Park, MD, PhD, Bum-Ki Cho, MD, Go-Woon Kim, MD, Min Woo Park, MD, Kee Hwan Kwon, MD, PhD, Young-Soo Rho, MD, PhD; Department of Otolaryngology-Head and neck Surgery, Ilsong Memorial Head and Neck - Thyroid Cancer Hospital, Hallym University Medical Center, Seoul, Korea

S164 FAR MEDIAL TRANSORAL ENDOSCOPIC APPROACH TO THE INFRATEMPORAL FOSSA: ANALYSIS OF SURGICAL CORRIDOR AND SURGICAL FREEDOM
Hafiz Patwa, MD, Daniel Prevedello, MD, Ricardo Carrau, MD; Ohio State University

S165 ADVANCES IN THE MANAGEMENT OF HEAD & NECK PARAGANGLIOMAS
Khalid Chowdhury, MD, MBA1, Robert Muckle, MD2, Roderick Lamond, MD3, Bethany Slater, MD4; 1Center for Craniofacial & Skull Base Disorders, 2Denver Ear Associates, 3Colorado Brain & Spine Institute, 4Rocky Mountain Pediatric Surgery

S166 3-DIMENSIONAL VIRTUAL NAVIGATION VERSUS CONVENTIONAL IMAGE GUIDANCE: A RANDOMIZED CONTROLLED TRIAL ON A SKULL BASE MODEL.
Benjamin J Dixon, MBBS, FRACS1, Harley Chan, PhD2, Michael J Daly, MSc2, Jimmy Qui2, Allan Vescan2, Ian J Witterick, MD3, Jonathan C Irish, MD2; 1The University of Melbourne, 2The University of Toronto

S167 THE USE OF PHOTODYNAMIC THERAPY AS ADJUVANT THERAPY TO SURGERY IN RECURRENT MALIGNANT TUMORS OF THE PARANASAL SINUSES.
Tessa E van Doeveren, MD, Lisa Caesar, MD, Bing Tan, PhD, MD, Alper Dilici, MD, Robert L van Veen, PhD, Baris Karakullukcu, PhD, MD; Department of Head and Neck Oncology and Surgery, The Netherlands Cancer Institute, Antoni van Leeuwenhoek Hospital, Amsterdam, The Netherlands

S168 OUTCOMES FOR ESTHESIONEUROBLASTOMA TREATED WITH NEOADJUVANT CHEMOTHERAPY
Shirley Su, MD, Diana Bell, Renata Ferrarotto, MD, Dianna Roberts, PhD, Michael E Kupferman, MD, Bonnie S Glisson, MD, Merrill S Kies, MD, Ehab Y Hanna, MD; The University of Texas MD Anderson Cancer Center
Scientific Session  Monday, July 18, 2016

S169 POSTOPERATIVE COMPLICATIONS IN SKULL BASE SURGERY FOR NASAL AND PARANASAL MALIGNANT TUMORS INVOLVING SKULL BASE
Masanori Teshima1, Hirotaka Shinomiya1, Naoki Otsuki1, Hidehito Kimura2, Kazunobu Hashikawa3, Eiji Koumura2, Ken-ichi Nibu1; 1Department of Otolaryngology - Head and Neck Surgery, Kobe University Hospital, 2Department of Neurosurgery, Kobe University Hospital, 3Department of Plastic Surgery, Kobe University Hospital

S170 NEAR-INFRARED AUTO-FLUORESCENCE RAMAN SPECTROSCOPY SYSTEM IN THE SURVEILLANCE OF PATIENTS WITH NASOPHARYNGEAL CANCER
Chwee Ming Lim1, Xue Ying Goh1, Nagaraja Rao Gangodu1, Kan Lin2, Zhi Wei Huang2; 1NUHS, 2NUS

S171 CHANGING TRENDS IN THE MANAGEMENT OF ESTHESIONEUROBLASTOMA: IRISH AND INTERNATIONAL PERSPECTIVES
Robbie S Woods1, Thavakumar Subramaniam1, Mary Leader2, Rory McConn-Walsh1, James Paul O’Neill1, Peter D Lacy1; 1Department of Head and Neck Surgery, Beaumont Hospital, 2Department of Histopathology, Beaumont Hospital

12:15 pm - 1:45 pm  Lunch On Own

OR

12:30 pm - 1:30 pm  Lunch with Professors or Tumor Boards

Ticket required for all Lunch with Professors or Tumor Board Sessions.

Management of Combined Modality Toxicities  4F

Moderator: Bevan Yueh, MD

The session will discuss side effects of combined modality treatment, including osteoradionecrosis, dysphagia, and xerostomia. We will share our approaches to diagnosis and management of these side effects.

Introduction - Bevan Yueh, MD

Recognition and Management of Osteoradionecrosis - Kevin McLoughlin P. Higgins, MD, FRCSC

Recognition and Management of Dysphagia - Bevan Yueh, MD

Talk TBD - G Jolie Ringash, MD

At the conclusion of the session, participants will be able to:

• Describe the common toxicities following combined modality treatment
• Describe initial work-up of common toxicities following combined modality treatment
• Appreciate initial treatment of common toxicities following combined modality treatment

July 16 - 20, 2016 · www.ahns.info  119
Value Based Oncology and Clinical Pathways
Moderator: Robert I. Haddad, MD

Targeted Agents and Immunotherapies in 2016
Moderator: William N. William Jr, MD

We will use a case vignette to discover how to best integrate targeted therapies and immunotherapy for management of locally advanced and recurrent/metastatic squamous cell carcinomas of the head and neck.

Targeted Therapies and Immunotherapy in Locally Advanced and Metastatic HNSCC: A Case Vignette - William William Jr, MD

Novel Immunotherapy-Based Strategies for HNSCC: Biomarkers and Management of Locally Advanced Disease - Ravindra Uppaluri, MD, PhD

At the conclusion of the session, participants will be able to:

- Choose the most appropriate targeted agents to treat locally advanced and metastatic HNSCC
- Recommend appropriate use of immunotherapies for HNSCCs
- Identify immunotherapy-related biomarkers that should or should not be integrated into routine clinical practice

Functional Imaging
Moderator: Tanya Rath, MD

Functional imaging complements anatomic imaging by attempting to non-invasively characterize tumor physiology. Standard and novel PET imaging techniques as well as functional MRI techniques with potential application in adaptive head and neck squamous cell carcinoma (HNSCC) therapy will be discussed in a didactic and case-based format, followed by a question and answer session.

Introduction - Tanya Rath, MD

PET/CT and Novel PET Radiopharmaceuticals in HNSCC - Rathan Subramaniam, MD

Functional MRI in HNSCC - Yoshimi Anzai, MD

At the conclusion of the session, participants will be able to:

- Describe the novel molecular imaging biomarkers and tracers with potential application in the adaptive management of HNSCC
- List the useful functional MR imaging techniques available in patients with HNSCC
- Describe the current applications of PET/CT in HNSCC
Prospective Trials in Head and Neck Cancer
Moderator: Erich M. Sturgis, MD

A brief overview of NCI / NCTN mechanism and organizational structure will be provided. There will be a more detailed review of prospective clinical trials leading to the current principal national prospective clinical trials in the two cooperative groups with dedicated head and neck groups (ECOG and NRG). Significant time for open discussion will be allotted.

Introduction - Erich M. Sturgis, MD
Overview of the NCI / NCTN - Erich M. Sturgis, MD
Overview of the ECOG Trials - Panayiotis Savvides, MD, PhD, MPH
Overview of the NRG Trials - David Raben, MD

At the conclusion of the session, participants will be able to:

- Understand the mechanism of how a trial is developed through the NCI cooperative trials process.
- Distinguish the spectrum of clinical trials available through the ECOG and NRG.
- Advance clinical trial participation.

Tumor Board: Pharynx/Larynx
Moderator: Michael G. Moore, MD

This will be a case-based discussion on the contemporary work up and management of tumors of the pharynx and larynx. The panel experts will provide their perspective on key points such as the decision for surgical versus non-surgical therapy, endoscopic versus open surgical techniques, and how to optimize function in these patients.

Introduction - Michael G. Moore, MD
Non-Surgical Treatment Techniques for Larynx and Pharynx Cancer - Lisa Licitra, MD
Surgical Approaches for Pharynx and Larynx Tumors - Roberto Lima, MD, PhD
Tumor Board Cases - Michael G. Moore, MD

At the conclusion of the session, participants will be able to:

- Determine when it is appropriate to apply non-surgical therapy in the management of patients with cancer of the pharynx or larynx.
- Distinguish when it would be appropriate to employ upfront surgery and which technique would be best to use.
- Formulate a treatment algorithm for management of patients with pharynx and laryngeal cancer.
Scientific Session  Monday, July 18, 2016

Tumor Board: Thyroid

Moderator: Young-Ik Son, MD, PhD

Through the case presentations, current issues will be discussed including (1) the use of next generation sequencing, (2) molecular targeted therapy for the RAI refractory thyroid cancer, (3) central neck dissection and (4) active surveillance strategy.

Next Generation Sequencing - Edmund D. Pribitkin, MD
Molecular targeted Therapy - Marcia Brose, MD, PhD
Central Neck Dissection - Jorge Pinho, MD
Active Surveillance - Young-Ik Son, MD, PhD

At the conclusion of the session, participants will be able to:

• Recognize the changes in new guideline
• Apply the acceptable guideline in daily practice
• Assess the risk stratification of thyroid cancer patients

Reducing Morbidity in Endoscopic Skull Base Procedures

Moderator: Michael Kupferman, MD

This session will focus on the prevention and management of surgical complications and morbidity from minimally invasive skull base surgery. Peri-operative strategies will be explored with case presentations and formal lectures.

Introduction - Michael Kupferman, MD
Pre-operative Strategies - Adam Zanation, MD
Intra-operative Strategies - Carl H. Snyderman, MD, MBA
Panel Discussion

At the conclusion of the session, participants will be able to:

• Develop an algorithm for the preoperative prevention of surgical morbidity from skull base surgery
• Understand surgical technique to limit surgical morbidity from skull base surgery
• Recognize the appropriate utilization of various approaches to complication prevention

1:45 pm - 3:15 pm  PANELS OR PROFFERED PAPERS

Panel: HPV: Epidemiology, Behavior, Prevention and Clinical Implications

Moderators: Carole Fakhry, MD, MPH & Brian O’Sullivan, MD

This session will review the unique characteristics of human papillomavirus (HPV)- associated oropharyngeal squamous cell cancer. Talks will summarize the epidemiologic, preventive and clinical implications of HPV in head and neck cancer.
Scientific Session  Monday, July 18, 2016

Introduction - Carole Fakhry, MD, MPH & Brian O’Sullivan, MD

Oropharyngeal Cancer Incidence Trends; Implications for Prevention - Carole Fakhry, MD, MPH

The Proposed New TNM Staging System for Oropharyngeal Cancer - Brian O’Sullivan, MD

Prevalence and Prognostic Role of HPV in Primary Versus Recurrent Head and Neck Cancer - Inge Tinhofer, PhD

Research Questions and Trial Designs: The Evolving Clinical Trial Landscape in HPV-Associated Head and Neck Cancer - Barbara A. Burtness, MD

At the conclusion of the session, participants will be able to:

• Understand incidence trends of HPV-associated oropharyngeal cancer.
• To review the prognostic and staging implications of HPV-OPC.
• To review first generation trials for oropharyngeal cancer.

Panel: New Targeted Therapies in Head and Neck Cancer
Moderator: Ezra E.W. Cohen, MD

This session will discuss studies demonstrating the existence of a unique sub-population of highly tumorigenic cancer stem cells in salivary gland malignancies, and discuss recent attempts to target these cells with novel small molecule inhibitors. Multifunctional (theranostic or smart) nanoparticles that can be applied for simultaneous specific targeting, in vivo imaging, and treatment of cancer will discussed; and, novel therapies in head and neck cancer will be discussed as well as arguments for surgical trials to advance immunotherapy.

Introduction - Ezra E.W. Cohen, MD

Therapeutic Targeting of Salivary Gland Cancer Stem Cells - Jacques Nor, DDS, MS, PhD

Targeted Nanoparticles for Drug Delivery In Cancer Therapy and Imaging - Kwang Jae Cho, MD, PhD

Updates on EGFR-Targeted Therapies in Head and Neck Cancer - Christine Chung, MD

Immunodynamic Surgical Trials: Voyage of Discovery - Rom Leidner, MD

Targeting the PI3K-Mtor Network in HNSCC– A Bridge from Bench to Clinic - J Silvio Gutkind, PhD

At the conclusion of this session, participants will be able to:

• Update the attendees on the therapeutic potential of targeting salivary gland cancer stem cells
• Determine the role of EGFR-targeted therapies and recognize the importance of developing biomarkers to predict treatment outcomes in current management of recurrent/metastatic head and neck cancer
• Outline an approach to immunotherapy pre-clinical dilemma with associated research assays.
• Introduce multiplex nanoparticles, which are capable of detecting malignant cells (active targeting moiety), visualizing their location in the body (in vivo imaging), and killing the cancer cells with minimal side effects by sparing normal cells (active targeting and controlled drug release or photothermal/photodynamic ablation).

• Introduce the strategy to develop new oral delivery system for anticancer drugs

Panel: Concurrent Chemoradiotherapy: 4C-3
Controversies
Moderators: Quynh-Thu Le, MD & Lisa Licitra, MD
Conventional, Accelerated, Hyperfractionated or Modulated? - Farzan Siddiqui, MD, PhD
Which Platin, How Much and How Often? - Lisa Licitra, MD
Is There a Role for Cetuximab/RT for HPV+ - David I. Rosenthal, MD
Taking a Step Back and Looking at the Whole Patient: How to Integrate Toxicities and Comorbidities into the Conversation - Shrujal Baxi, MD

Proffered Papers: Potpourri 4C-4
Moderators: Alexandra E. Kejner, MD; Rahul Seth, MD; & Paul van der Sloot, MD
S208 A NEW TUNNELIZED FACIAL ARTERY MUSCULOMUCOSAL ISLAND PERFORATOR FLAP FOR ONE-STAGE ORAL RECONSTRUCTION
Chung-Hwan Baek, Seongjun Won, Bo Young Kim, Byung Kil Kim; Sungkyunkwan University School of Medicine, Samsung Medical Center

S210 3D VIRTUAL SURGICAL PLANNING VERSUS CONVENTIONAL FIBULAR FREE FLAP RECONSTRUCTION OF MANDIBULAR AND MAXILLARY DEFECTS
Richard C Park, MD, Sei Y Chung, BS, Rami Abdou, MD, Jacob Brady, BA, Soly Baredes, MD; Rutgers New Jersey Medical School

S211 REVIEW: ROUTINE USE OF SALIVARY BYPASS TUBES DURING LARYNGECTOMY.
Yasmine Kamhieh, MBBS, MRCSENT, Hannah Fox, MBBS, MRCS, DOHNS, Emma Hallett, MBBS, MRCSENT, Sandeep Berry, MBBS, FRCS, , ORLHNS; Royal Glamorgan Hospital

S212 ENDOSCOPIC THYROIDECTOMY FOR T1 PAPILLARY THYROID CARCINOMA VIA A GASLESS ANTERIOR CHEST APPROACH
Xiaoming Huang, MD, Faya Liang, MM, Ping Han, MD, Qian Cai, MD, Shitong Yu, Renhui Chen; Sun Yat-sen Memorial Hospital, Sun Yat-sen University

S213 IMMEDIATE AND FOLLOW UP RESULTS OF RECURRENT LARYNGEAL NERVE AND SPINAL ACCESSORY NERVE ANATOMIC SAFETY DISSECTIONS WITH INTRAOPERATIVE NERVE INTEGRITY MONITORING
Igor Karpatksii, PhD, Filipp Romanchishen, PhD, Kristina Vabalayte, Anatoly Romanchishen; St.Petersburg Pediatric Medical University

S214 POST-TRANSLATIONAL SODIUM-IODIDE SYMPORTER MODULATION SENSITIZES DIFFERENTIATED THYROID CANCERS TO RADIOACTIVE IODINE
Amit Moran, Shorook Na’ara, Tomer Charas, Ziv Gil; Rambam health care campus
S215 VIRTUAL CUTTING GUIDES: 3D PLANNED AND NAVIGATED FIBULAR OSTEOTOMIES IN MICROVASCULAR MANDIBLE RECONSTRUCTION
Jonathan M Bernstein, MD, ChB, Harley Chan, PhD, Michael J Daly, MSc, Nidal Muhanna, MD, PhD, Jimmy Giu, MASc, Douglas B Chepeha, MD, MSPH, Ralph W Gilbert, MD, Jonathan C Irish, MD, MSc; Department of Otolaryngology - Head & Neck Surgery/Surgical Oncology, Princess Margaret Cancer Centre and Guided Therapeutics (GTx) Program, University of Toronto, Toronto, Ontario, Canada

S216 EPIGENETIC REGULATION OF EPITHELIAL TO MESENCHYMAL TRANSITION IN ORAL LEUKOPLAKIA BY EXOSOMAL-MIR-185
Xiaobing Guan, MD, PROF1, Li Chen, PhD2, Yuanyuan Wang1, Jiaqi Wang1, Fengguang Wang1, Jie Zhang1, Randi Xing1; ‘Beijing Stomatological Hospital, Capital Medical University, 2Center for Clinical and Translational Research, The Research Institute at Nationwide Children’s Hospital, Columbus, Ohio, USA

Proffered Papers:
Management of the Neck

S172 NECESSITY OF NECK DISSECTIONS DURING SALVAGE LARYNGECTOMY WITHOUT CLINICALLY EVIDENT DISEASE
Russel Kahmke, Erin J Partington, Thomas K Chung, William R Carroll, Benjamin J Greene; University of Alabama at Birmingham

S173 ELECTIVE NECK DISSECTION DURING SALVAGE LARYNGECTOMY
Simone Bernard, MD, Marjan van den Brink-Wieringa, PhD, Cees Meeuwis, MD, PhD, Robert Jan Baatenburg de Jong, MD, PhD, Aniel Sewnaik, MD, PhD; Erasmus MC

S174 MANAGEMENT OF NECK RECURRENCE IN THE CLINICALLY NEGATIVE NECK IN ORAL CANCER
Aviram Mizrachi, MD, Jocelyn Migliacci, MA, Snehal G Patel, MD, Ian Ganly, MD, PhD; Memorial Sloan-Kettering Cancer Center

S175 THE HYBRID TRACER INDOCYANINE GREEN-99MTC-NANOCOLLOID FOR COMBINED RADIO- AND FLUORESCENCE GUIDED SENTINEL NODE BIOPSY IN PATIENTS WITH HEAD-AND-NECK MALIGNANCIES: OUR EXPERIENCES IN 183 PATIENTS
Nynke S van den Berg1, Gijs H KleinJan1, Baris Karakullukcu2, W Martin C Klop1, Renato A Valdés-Olmos2, Alfons J Balm2, Fijis W van Leeuwen1; ‘Leiden University Medical Center, Leiden, the Netherlands, 2The Netherlands Cancer Institute - Antoni van Leeuwenhoek Hospital, Amsterdam, the Netherlands

S176 RECOMMENDED LYMPH NODE YIELD AS A QUALITY METRIC IN ORAL CAVITY CANCERS
Phoebe Kuo1, Julie A Sosa, MD1, Sanziana A Roman, MD1, Saral Mehra, MD, MBA2, Zain A Husain, MD2, Barbara A Burtness, MD2, Wendell G Yarbrough, MD, MMHC, FACS2, Benjamin L Judson, MD2; ‘Duke School of Medicine, 2Yale School of Medicine

S177 CONCURRENT TRANSORAL ROBOTIC SURGERY (TORS) WITH NECK DISSECTION MAY OFFER LENGTH OF STAY BENEFIT IN THE TREATMENT OF HEAD AND NECK CANCER
Catherine H Frenkel, MD, Elliot Regenbogen, MD, Dana A Telem, Jie Yang, PhD, Mengru Zhang, Ghassan J Samara, MD; Stony Brook Medicine

S178 THE CLINICAL SIGNIFICANCE OF LINGUAL LYMPH NODES IN ORAL TONGUE AND FLOOR OF MOUTH SQUAMOUS CELL CARCINOMA
Jung-Hae Cho, Sang-Yeon Kim, Young-Hoon Joo, MD, PhD, Kwang-Jae Cho, MD, PhD, Min-Sik Kim; The Catholic university of Korea
S179 COMPARISONS OF ONCOLOGIC OUTCOME AFTER NECK DISSECTIONS WITH DISTINCT DIFFERENCE IN C-N0 ORAL CAVITY CANCER: TRANSCERVICAL NECK DISSECTION VS RETROAURICULAR NECK DISSECTION

Ji Hoon Kim, MD1, Da Hee Kim, MD1, Jung Min Kim, MD1, Won Shik Kim, MD1, Hyung Kwon Byeon, MD, PhD1, Jae Wook Kim, MD2, Jae Hong Park, MD2, Myung Jin Ban, MD2, Hyun Jun Hong, MD, PhD2, Yoon Woo Koh, MD, PhD2, Eun Chang Choi, MD, PhD2; 1Yonsei University College of Medicine, 2Soonchunhyang University College of Medicine, 3Catholic Kwandong University College of Medicine

S180 PROGNOSTIC IMPACT OF LYMPH NODE MICROMETASTASIS IN ORAL AND OROPHARYNGEAL SQUAMOUS CELL CARCINOMAS

Yong Sug Choi, MD, Jung-Hae Cho, MD, PhD, Youn-Soo Lee, MD, PhD, Dong-II Sun, MD, PhD, Min-Sik Kim, MD, PhD, Kwang-Jae Cho, Young-Hoon Joo, MD, PhD; The Catholic university of Korea

Proffered Papers: Education

Moderators: Melonie A. Nance, MD; Richard V. Smith, MD; & Marita S. Teng, MD

S181 THE IMPACT OF A SEMI-ANNUAL HEAD AND NECK SURGICAL CAMP AT THE UGANDA CANCER INSTITUTE IN KAMPALA, UGANDA

Kate Clancy, BA1, Madeleine Strohl, BA1, Camille Huwyler, BS1, Jamilah Nabukenya, MD2, Mubarak Mohamed Dahir, MD2, Rachel Beygira, MD2, Jeff Ottiti, MD2, James L Netterville, MD2, Katrina Harrill, RN, BSN3, Chad A Zender, MD3; 1Case Western School of Medicine, 2Uganda Cancer Institute, 3University Hospitals Case Medical Center

S182 MANAGEMENT OF CONFLICTS OF INTEREST AT AHNS MEETINGS; TRENDS FROM 2011-2015

Marilene B Wang, MD1, Erin Schwarz, BA2, Susan D McCammon, MD2, Paul L Friedlander, MD2; 1University of California, Los Angeles, 2AHNS, 3University of Texas Medical Branch-Galveston, 4Tulane University

S183 SLOW AND STEADY: UNDERSTANDING THE IMPACT OF TRAINEE PARTICIPATION ON OPERATIVE TIME AND OUTCOMES IN TOTAL THYROIDECTOMY

Jonathan Yoon, MD1, Jonathan Blecha, MD1, Harlan Sayles, MS2, Katherine Rieke, MPH, MA2, Robert H Lindau, MD1, Aru Panwar, MD1; 1Division of head and neck surgery, University of Nebraska Medical Center, Omaha, Nebraska, 2College of Public Health, University of Nebraska Medical Center, Omaha, Nebraska

S184 COMPETENCE-BASED CERTIFICATION IN SURGEON-PERFORMED HEAD AND NECK ULTRASONOGRAPHY

Tobias Todsen1, Jacob Melchior, MD1, Birgitte Charabi, MD1, Lars Konge2, Christian von Buchwald, DMSc1; 1Department of Otorhinolaryngology, Head and Neck Surgery and Audiology, Rigshospitalet, University Hospital of Copenhagen, Denmark, 2Copenhagen Academy for Medical Education and Simulation

S185 INITIAL VALIDATION OF RESIDENT TRAINING CURRICULUM FOR TRANSORAL ROBOTIC SURGERY (TORS)

Sophie Shay, MD, Marilene B Wang, MD, Abie H Mendelsohn, MD; Department of Head and Neck Surgery, University of California Los Angeles, David Geffen School of Medicine

S186 HPV RELATED HEAD AND NECK CANCER IN A SAFETY NET HOSPITAL: IMPLICATIONS FOR EDUCATION AND PREVENTION STRATEGIES IN THE UNDERSERVED

Jason F Ohlstein, MS, Thomas S Edwards, BS, Charles A Riley, MD, Paul L Friedlander, MD, FACS; Tulane University School of Medicine
S187 THE EFFECT OF RESIDENT DUTY HOUR RESTRICTIONS ON PROCEDURE-SPECIFIC OUTCOMES IN HEAD & NECK ENDOCRINE SURGERY
Aaron M Smith, MD, Wan Jim, PhD, Wang Lei, MS, Merry E Sebelik, MD; University of Tennessee Health Science Center

S188 FREE FLAP MONITORING IN THE ERA OF RESTRICTED RESIDENT WORK HOURS: ANALYSIS OF OUTCOMES
Urjeet A Patel1, Lisa Shnayder, MD2, Matthew M Hanasono, MD3, Joshua D Hornig, MD4, Mark K Wax, MD5, Tamer A Ghanem, MD6, Jeremy D Richmond, MD7; 1Northwestern University, 2Kansas University School of Medicine, 3The University of Texas MD Anderson Cancer Center, 4Medical University of South Carolina, 5Oregon Health and Sciences University, 6Henry Ford Medical Group, 7Johns Hopkins University

S189 FLAP MONITORING IN THE ERA OF RESIDENT WORK-HOUR RESTRICTIONS: IS THERE AN ALTERNATIVE?
Robert M Brody, MD, Jason G Newman, MD, Ara A Chalian, MD, Christopher H Rassekh, MD, Gregory S Weinstein, MD, Bert W O’Malley Jr, MD, Steven B Cannady, MD; University of Pennsylvania Health System

S190 RISING INCIDENCE OF ORAL TONGUE CANCER IN YOUNG WHITE MEN AND WOMEN IN THE UNITED STATES, 1973-2012
Joseph E Tota, PhD1, William F Anderson, MD1, Charles Coffey, MD2, Joseph Califano, MD2, Wendy Cozen, DO3, Robert L Ferris, MD, PhD4, Maie St. John, MD, PhD5, Ezra E W Cohen, MD6, Anil K Chaturvedi, PhD7; 1National Cancer Institute, Division of Cancer Epidemiology and Genetics, 2UC San Diego, Moores Cancer Center, 3University of Southern California, Department of Preventive Medicine, 4University of Pittsburgh, Department of Otolaryngology, 5UCLA, Department of Head and Neck Surgery

S191 SQUAMOUS CELL CARCINOMA OF THE LIP: A POPULATION BASED ANALYSIS
Jon Mallen-St. Clair, MD, PhD, Edward Kuan, MD, MBA, Jose Alonso, MS, Armin Arshi, MS, Maie St. John, MD, PhD; University of California, Los Angeles

S192 COMPARTMENTAL SURGERY FOR ORAL TONGUE/FLOOR OF MOUTH CANCER: ONCOLOGIC AND FUNCTIONAL OUTCOMES
Alberto Grammatica1, Cesare Piazza1, Nausica Montalto1, Del Bon Francesca1, Alberto Paderno2, Valentina Taglietti3, Barbara Fritoli4, Piero Nicolai1; 1Department of Otorhinolaryngology - Head and Neck Surgery, University of Brescia, Brescia, Italy, 2Department of Radiology, University of Brescia, Brescia, Italy

S193 EVALUATION OF LYMPH NODE DENSITY AND NUMBER OF NODES POSITIVE IN TREATMENT OUTCOME OF HEAD AND NECK SQUAMOUS CELL CARCINOMA
Bryant Hong, MSc, Nader Sadeghi, MD, Richard Amdur, PhD; George Washington University

S194 ELECTIVE NECK DISSECTION FOR INITIAL SCC OF TONGUE AND FLOOR OF THE MOUTH
Jacob Kligerman, José R Soares, Emilson Q Freitas, Ullyanov T Mendonça, Izabella C Santos, Maria M Geraldo, MS, Juliana F Oliveira, MD, Paulo J Siebra, Roberto A Lima; Brazilian National Cancer Institute

S195 OUTCOMES IN ASSOCIATION WITH FROZEN MARGIN STATUS IN ORAL SQUAMOUS CELL CARCINOMA
Keith Basler, MD1, Paloma Iriarriy1, Matthew Mifsud, MD2, Kristen Otto, MD3, Tapan Padhya, MD4, Jimmy Caudell, MD5; 1University of South Florida, 2University of Toronto, 3H. Lee Moffitt Cancer Center & Research Institute
S196 PRIOR RADIOTHERAPY AND AGE STRONGLY PREDICT SURVIVAL AFTER SALVAGE SURGERY FOR RECURRENT ORAL CAVITY SQUAMOUS CELL CARCINOMA - A RECURSIVE PARTITIONING ANALYSIS
Samantha Tam, MD1, Rakhna Araslanova, MD1, Hubert Low, MBBS, FRACS2, Andrew Warner, MSc1, John Yoo, MD, FRCS, FACS1, Kevin Fung, MD, FRCS, FACS1, S. Danielle MacNeil, MD, MSc, FRCS2, David A Palma, PhD, MD, FRCP, Anthony C Nichols, MD, FRCS, FACS1; 1Western University, 2Chris O’Brien Lifehouse

S197 ENDOSCOPIC AND ROBOTIC SELECTIVE NECK DISSECTION FOR ORAL CANCER VIA RETROAURICULAR APPROACH
Renan B Lira, MD, Thiago C Chulam, MD, PhD, Genival B Carvalho, MD, Willem H Schreuder, MD, DDS, Luiz P Kowalski, MD, PhD; AC Camargo Cancer Center

S198 RISK FACTORS FOR SALVAGE SURGERY FAILURE AND MORTALITY IN PATIENTS WITH ORAL CAVITY SQUAMOUS CELL CARCINOMA
Danielli Matsuura, MD1, Tiago D Valim, MD1, Marco Aurelio V Kulpars, PhD2, Fabio R Pinto2, Lenine G Brandao, PhD2, Claudio R Cernea, PhD1, Leandro L Matos, PhD2; 1University of Sao Paulo Medical School, 2Instituto do Cancer do Estado de Sao Paulo - ICESP

Proffered Papers: Salivary Gland

S199 THE ROLE OF MYB-NFIB FUSIONS IN MAINTENANCE OF CANCER STEM CELLS IN SALIVARY ADENOID CYSTIC CARCINOMA
Sergey V Ivanov, Yi Zhang, PhD, Alex Panacccione, Yanfang Mi, MD, Wendell G Yarbough, MD, MMHC, FACS; Yale School of Medicine

S200 CONTRIBUTIONS OF VIMENTIN AND NON-MUSCLE MYOSIN IIA IN NEDD9 INVASIVE SIGNALING
Martina Semelakova, PhD, Stephane Grauzam, B T Prabhakar, PhD, Bailey Pierson, Jessica A Tiedeken, Sonya Coaxum, PhD, David M Neskey, MD, Steven A Rosenzweig, PhD; Medical University of South Carolina

S201 INTEGRATED PATHWAY ANALYSES OF ALTERED DRIVER GENES IN ADENOID CYSTIC CARCINOMA
Brandon Leonard, PhD1, Shizhang Ling, PhD2, Luigi Marchionni, MD, PhD, Elana J Fertig, PhD2, Michael Considine, MS1, Patrick Ha, MD1; 1University of California - San Francisco, 2Johns Hopkins University

S202 ESTABLISHING A MURINE MODEL FOR VIRAL TRANSFECTION OF MAJOR SALIVARY GLAND TISSUE
Matthew Michalowicz, MD, Joseph Goodman, MD, Todd Ponzie, PhD, Elena Morris, Brian Reinhardt, MS, MLS, ASCP, Yaling Zhou, PhD; Walter Reed National Military Medical Center

S203 A SYSTEMATIC REVIEW AND META-ANALYSIS OF THE ROLE OF ADJUVANT RADIOTHERAPY IN THE MANAGEMENT OF RECURRENT PLEOMORPHIC ADENOMAS OF THE PAROTID
Paul Lennon1, Ailbhe White-Gibson1, Sinead Brennan1, John Kinsella1, Conrad I Timon1, James Paul O’Neill1; 1St. James’s Hospital, Dublin, 2Royal College of Surgeons, Ireland

S204 THE IMPACT OF ADJUVANT RADIATION ON SURVIVAL IN ADENOID CYSTIC CARCINOMA OF THE MAJOR SALIVARY GLANDS
Alexandra Kyrillos, Chi-Hsiung Wang, PhD, Mihir Bhayani, MD; NorthShore University HealthSystem

S205 PREVALENCE AND PREDICTORS OF LYMPH NODE METASTASIS IN PAROTID MALIGNANCIES
Apurva Garg, Pankaj Chaturvedi, Swagnik Chakrabarti, Deepa Nair, Sudhir Nair, Prathamesh Pai, Devendra Chaukar, Gauri Pantvaidya, Anuja Deshmukh, Anil D’Cruz; Tata Memorial Hospital
S206 VALIDATION OF NOMOGRAMS FOR OVERALL SURVIVAL, CANCER-SPECIFIC SURVIVAL AND RECURRENCE IN CARCINOMA OF THE MAJOR SALIVARY GLANDS
Ashley Hay, MD1, Jocelyn Migliacci, MA1, Daniella Karassawa Zanoni, MD1, Snehal G Patel, MD1, Changhong Yu, MS2, Mike Kattan, PhD2, Ian Ganly, MD, PhD2; 1Memorial Sloan Kettering Cancer Center, 2Cleveland Clinic

S207 TRASTUZUMAB AND DOCETAXEL FOR HER2-POSITIVE UNRESECTABLE SALIVARY GLAND CARCINOMA: UPDATED RESULTS OF A PHASE II TRIAL
Hideaki Takahashi, MD, PhD1, Tatsuos Masubuchi1, Chihiro Fushimi1, Takashi Matsuki1, Toru Inomata1, Takuro Okada1, Chihiro Kanno1, Yoshiyuki Osamura2, Toshihiko Nagao3, Takashi Saotome4, Shuhei Yamada5, Hiroyo Ojiri6, Daisuke Sano7, Nobuhiko Orhide7, Jeffrey N Myers8, Kouki Miura1, Yuichiro Tada1; 1Department of Head and Neck Oncology and Surgery, International University of Health and Welfare Mita Hospital, 2Diagnostic Pathology Center, International University of Health and Welfare Mita Hospital, 3Department of Surgical Pathology, Tokyo Medical University, 4Department of Medical Oncology, Matsudo City Hospital, 5Department of Pharmacoepidemiology, Graduate School of Medicine and Public Health, Kyoto University, 6Department of Radiology, The Jikei University School of Medicine, 7Department of Otorhinolaryngology, Head and Neck Surgery, Yokohama City University School of Medicine, 8Department of Head and Neck Surgery, The University of Texas M. D. Anderson Cancer Center

3:15 pm - 3:45 pm Break in Exhibit Hall 4E

3:45 pm - 5:15 pm PANELS OR PROFFERED PAPERS 4F

Panel: Management of Advanced Oropharyngeal Cancer in the Era of HPV and TORS
Moderators: Christian H. Simon, MD & Robert L. Ferris, MD, PhD

The session will use a case management format to discuss indications for various treatments for advanced stage oropharyngeal cancers. Panelists will present “the best suitable patient” for typical treatment modalities, i.e. TORS, TLM, open surgery, CRT/RT, Chemotherapy/Immunotherapy in the Era of HPV followed by a discussion of the panel.

Introduction - Robert L. Ferris, MD, PhD

Best Suitable Advanced OPC Case For TLM - Does That Exist? - Michael L. Hinni, MD

Best Suitable Advanced OPC Case for RT/CRT - All of Them? - Harry Quon, MD

Best Suitable Advanced OPC Case for Open Surgery - Out-Dated? - Giuseppe Spriano, MD

The Role of Systemic Therapy in the DE Intensification Era - Nabil Saba, MD

Best Suitable Advanced OPC Case for TORS - Too Ambitious? - Christian H. Simon, MD

At the conclusion of the session, participants will be able to:

- Identify best suitable patients with advanced OPCs for specific treatments
Scientific Session

Monday, July 18, 2016

- Select the optimal treatment for an advanced OPC patient
- Recognize pros and cons of various treatment options for advanced OPC patients

Proffered Papers: Oral Cavity and Oropharynx

Moderators: Amit Agrawal, MD & Chad Zender, MD

S217 THE USE OF 5% LUGOL’S IODINE SOLUTION IN DETECTION OF THE DYSPLASTIC AND MALIGNANT CHANGES OF THE ORAL EPITHELIUM
Omar Al khdhairi, PhD; Al kindy teaching hospital

S218 A NOVEL CHICKEN EGG-BASED PATIENT-DERIVED XENOGRRAFT MODEL FOR HNSCC
Ravi R Pathak, PhD, MBA, Hsuan-Chen Liu, Jigneshkumar Patel, Lacey E Dobrolecki, Michael T Lewis, Andrew G Sikora; Baylor College of Medicine

S219 GLOSSOLARYNGECTOMY OUTCOMES: A 10-YEAR SOUTH WALES EXPERIENCE.
Hannah Fox, MBBS, BSc, HonS, MRCS, DOHNS; Yasmine Kamhieh, MBBS, MRCSENT; Sarah Healy, MBBCh, MRCS, DOHNS; Emma Hallett, MBBS, MRCSENT; Cellan Thomas, MBBS, BDS, FRCSOMFS; Sandeep Berry, MBBS, FRCS, ORLHNS; Royal Glamorgan Hospital, Singleton Hospital, Swansea, United Kingdom SA2 8QA, University Hospital Wales, Cardiff, United Kingdom CF14 4XW

S220 HEALTHCARE UTILIZATION IN HPV - RELATED CANCERS
Indu Varier, MD; Erin Chew, BS; David Ramsey, PhD; Andrew G Sikora, MD, PhD, Elizabeth Y Chiao, MD, MPH; Baylor College of Medicine, Michael E. DeBakey VA Medical Center, Baylor College of Medicine

S221 VALUE-BASED TREATMENT OF T1-2 OROPHARYNX CANCER: COST SAVINGS WITH FRONTLINE TRANSORAL ENDOSCOPIC HEAD AND NECK SURGERY COMPARED TO RADIATION THERAPY AND CHEMOTHERAPY
Floyd C Holsinger, Chief, Head, and, Neck, Surgery, Michelle Chen, A. Dimitrios Colevas, Professor, of, Medicine, Division, of, Oncol, Quynh Le, Chair, Department, of, Radiation, Oncology, Julie B Porter, Director, Cancer, Quality; Stanford University

S222 DECREASED GASTROSTOMY TUBE INCIDENCE AND WEIGHT LOSS AFTER TRANS-ORAL ROBOTIC SURGERY FOR EARLY OROPHARYNGEAL SQUAMOUS CELL CARCINOMA
Harold Heah, Kate Hutcheson, PhD; Ryan Goepfert, MD; Adam S Garden, MD; Clifton D Fuller, MD, PhD; Michael E Kupferman, MD; Christopher F Holsinger, MD; Gary B Gunn, MD; Jan S Lewin, PhD; Neil D Gross, MD; UT MD Anderson Cancer Center, Stanford University Medical Center

S223 TRANS-ORAL ROBOTIC SURGERY AS A SINGLE MODALITY IN THE MANAGEMENT OF OROPHARYNGEAL CANCER
Zaahir Turfe, MD, Amy Williams, PhD; Tamer Ghanem, MD, PhD; Henry Ford Health System, Department of Otolaryngology

S224 PROGNOSTIC SIGNIFICANCE OF HPV SUBTYPE IN OROPHARYNGEAL SQUAMOUS CELL CARCINOMA
Angela L Mazul, PhD, MPH; Nidia Rodriguez-Ormaza, MD, MPH; Paul Brennan, PhD, MSc; Devasena Anantharaman, PhD, MSc; Behnoush Abedi-Ardekani MD, D N Hayes, MD, MPH; Andrew F Olshan, PhD; Jose P Zevallos, MD, MPH; University of North Carolina at Chapel Hill, International Agency for Research on Cancer

S225 PRELIMINARY STUDY COMPARING EFFECT OF SMOKING ON OUTCOMES OF SURGICAL AND NON-SURGICAL TREATED P16+ OROPHARYNGEAL CANCER
Scientific Session  Monday, July 18, 2016

Zaahir Turfe, MD1, Amy Williams, PhD1, Warren Swegal, MD1, Francis Hall, MD1, Steven Chang1, Farzan Siddiqui, MD, PhD2, Maria J Worsham, PhD1, Tamer Ghanem, MD, PhD1; 1Henry Ford Health System, Department of Otolaryngology, 2Henry Ford Health System, Department of Radiation Oncology

Panel: Adjuvant Postoperative Therapy  4C-3
Moderator: Paul M. Harari, MD

This session will use didactic presentations to provide guidance regarding the use of adjuvant therapy for postoperative HN cancer patients. Selected case presentations will be incorporated for illustration.

Overall Indications for Adjuvant Treatment Following HN Cancer Surgery - David Raben, MD
Importance of Dose and Time Factors in Postoperative Radiation - David I. Rosenthal, MD
Adjuvant Therapy after Transoral Excision for HPV+ Tumors - Mererid Evans, MD, PhD
Benefit/Risk Considerations for Chemotherapy in High Risk Post Op Cases - Panayiotis Savvvides, MD, PhD, MPH
Design and Results of Major Postoperative HN Cancer Trials - Paul M. Harari, MD

At the conclusion of this session, participants will be able to:
• Select optimal adjuvant postoperative therapy approaches for various subsets of HN cancer patients
• Adjust clinical practice to reflect the specific adjuvant therapy approach for distinct patient cohorts.
• Interpret new clinical trials data to consider additional practice adjustments in the future.

Panel: Quality Improvement in Head and Neck Cancer Care  4C-4
Moderators: Amy Y. Chen, MD, MPH & Carl H. Snyderman, MD, MBA

This panel will review key components of a quality improvement program for the multidisciplinary management of head and neck cancer.

Introduction - Amy Y. Chen, MD, MPH & Carl H. Snyderman, MD, MBA
Evaluation of Surgical Performance - Randal S. Weber, MD
Establishing A Quality System in Surgery - Jonathan Irish, MD
Quality in Radiation Oncology - John Kim, MD
Screening: A New Direction for Patient Reported Outcome Measures - Barbara A. Murphy, MD

At the conclusion of this session, participants will be able to:
• Recognize quality issues in the management of head and neck cancer.
• Learn how to establish a multidisciplinary quality improvement program.
• Incorporate value metrics into the decision making for patients with head and neck cancer.
Proffered Papers: Reconstruction II

Moderators: Dominique Chevalier, MD; & Oleg Militsakh, MD

S226 A NEW TECHNIQUE FOR RECONSTRUCTION OF COMPOSITE MIDFACE DEFECTS: THE PEDICLED OSSEOMYOCUTANEOUS SUBMENTAL FLAP
Richard E Hayden, MD, Thomas H Nagel, MD, Carrlene Donald, PA; Mayo Clinic Arizona

S227 VIRTUAL SURGICAL PLANNING IN HEAD AND NECK TUMOR SURGERY: A 10-YEAR REVIEW
Felix Sim, MD, DDS; Tuan G Bui, MD, DMD, FACS; Allen Cheng, MD, DDS; Ashish Patel, MD, DDS; Samuel Bobek, MD, DMD; Yedeh Ying, MD, DMD; Eric J Diersk, MD, DMD; R. Bryan Bell, MD, DDS, FACS; 1Providence Oral, Head and Neck Cancer Program and Clinic, Providence Cancer Center, Portland, Oregon, 2Swedish Medical Center, Seattle WA, 3The Head and Neck Institute, Portland, Oregon

S228 RECONSTRUCTION OF ORAL CAVITY COMPOSITE DEFECTS USING THE SCAPULA TIP FREE FLAP AND CONCOMITANT MYOGENOUS-ONLY COMPONENT FOR INTRAORAL RE-MUCOSALIZATION: THE UNC EXPERIENCE
Andrew K Pappa, BS, Grace K Austin, MD, Andrew J Coniglio, MD, Jeremiah C Tracy, MD, Samip N Patel, MD; University of North Carolina at Chapel Hill

S229 INTRAOPERATIVE MEAN ARTERIAL BLOOD PRESSURE AND ITS IMPACT ON flap failure DURING HEAD AND NECK FREE-TISSUE TRANSFER
Jason I Kass, MD, PhD; Samuel DeMaria, MD; Hung-Mo Lin, ScD; Anmol Gupta, MS; Marita Teng, MD; Eric M Genden, MD; Brett A Miles, MD, DDS; 1Boston University School of Medicine, 2Mount Sinai School of Medicine

S230 OUTCOMES OF MICROVASCULAR FREE TISSUE TRANSFER IN DOUBLY IRRADIATED PATIENTS IN THE ERA OF IMRT.
Kate Clancy, BA; Rod Rezaee, MD; Min Yao, MD, PhD; Michael Gibson, MD, PhD; Nicole Fowler, MD; Pierre Lavertu, MD; Chad A Zender; 1Case Western School of Medicine, 2University Hospitals Case Medical Center

S231 THE OSTEOCUTANEOUS SCAPULAR FREE FLAP AS A RELIABLE FIRST-CHOICE OPTION FOR COMPLEX MANDIBULAR RECONSTRUCTION
Robert G Keller, MD, Akash Naik, Eric Lentsch, MD, Terrence Day, MD, Judith Skoner, MD; MUSC

S232 THREE-DIMENSIONALLY PRINTED SCAFFOLDS WITH MESENCHYMAL STEM CELLS FOR THE RECONSTRUCTION OF RABBIT CRITICAL SIZE MANDIBULAR DEFECTS
Michael G Roskies, MD; Dongdong Fang, MD, MSc; 1Mohamed-Nur Abdallah, BDS, MSc; 1Mohammed O Bakkar, BDS, MS, MSD; Andre M Charbonneau, BSc, MSc; 2Jack O Jordan; Alex Mlynarek, MD, FRSC; 3Michael P Hier, MD, FRSC; Faleh Tamimi, BDS, PhD; Simon D Tran, DMD, PhD, FRDC; 3McGill University, Department of Otolaryngology - Head & Neck Surgery, 4McGill University, Craniofacial Stem Cell and Tissue Engineering Laboratory, 1McGill University, Faculty of Dentistry

S233 3D MORPHOLOGIC COMPARISON OF AUTOLOGOUS SCAPULAR AND ILIAC CREST BONE GRAFTS IN ORBITAL FLOOR RECONSTRUCTION.
Joel C Davies, MD, MSc, Jonathan M Bernstein, MD, FRCS, Harley Chan, PhD, David P Goldstein, MD, MSc, FRSC, Jonathan C Irish, MD, MSc, FRCS, Ralph W Gilbert, MD, FRCS; Department of Otolaryngology - Head & Neck Surgery/Surgical Oncology, Princess Margaret Cancer Centre and Guided Therapeutics (GTx) Program, University of Toronto, Toronto, Ontario, Canada
Scientific Session  Monday, July 18, 2016

S234 3D RECONSTRUCTION OF THE FACIAL NERVE-VASCULAR NETWORKS; TRANSPLANTATION OF SKELETAL MUSCLE-DERIVED MULTIPOTENT STEM CELL SHEET PELLET

Kosuke Saito, MD1, Tetsuro Tamaki2, Koji Ebisumoto, MD1, Masahiro lida, MD1, Kenji Okami1; 1Department of Otolaryngology, Tokai University School of Medicine, 2Muscle Physiology & Cell Biology Unit, Department of Regenerative Medicine, Division of Basic Clinical Science, Tokai University School of Medicine

Proffered Papers: Cancer Biology II

Moderators: Zhuo (Georgia) Chen, PhD; Brett A. Miles, MD; & Seiichi Yoshimoto, MD

S235 HUMAN BETA-DEFENSINS AS A NOVEL BIOMARKER FOR ORAL SQUAMOUS CELL CARCINOMA

Santosh Ghosh1, Chad Zender2, Aaron Weinberg3, Ge Jin4; 1Western Reserve University, 2University Hospitals Case Medical Center, Case Western Reserve University School of Medicine

S236 THE INFLUENCE OF RAB7 PROTEIN IN THE BIOLOGICAL BEHAVIOR OF HEAD AND NECK SQUAMOUS CELL CARCINOMA

Fernanda S Giudice, PhD, Bruna R Rodrigues, Tonielli Cristina S Lacerda, Antuani Rafael Baptistella, Marcos Vinicios S Dias, Luiz Paulo Kowalski, Vilma R Martins; A.C. Camargo Cancer Center

S237 DUAL TARGETING OF APOPTOSIS IN HEAD AND NECK SQUAMOUS CELL CARCINOMA

Thomas J Ow, MD1, Carlos Thomas1, Pilib O’brin, PhD2, Richard V Smith, MD1, Nicolas P Schlecht, PhD1, Michael B Prystowsky, MD, PhD1, Catherine Sarta, RN1, Felix Kopp, PhD1, Gregory Rosenblatt, PhD1, Madhur K Garg, MD1, Thomas J Belbin, PhD1, Chandan Guha, MB, BS, PhD1, Evripidis Gavathiotis, PhD1; ‘Montefiore Medical Center/Albert Einstein College of Medicine, 1National University of Ireland Galway

S238 CORRELATION OF MAML2 FUSION STATUS, GRADE AND OUTCOME IN MUCOEPIDERMOID CARCINOMA

Andrew C Birkeland, MD, Susan K Foltin, Megan Yanik, Rebecca C Hoesli, MD, Andrew J Rosko, MD, Jonathan B McHugh, MD, Thomas E Carey, PhD, Carol R Bradford, MD, Matthew E Spector, MD, J Chad Brenner, PhD; University of Michigan

S239 ANALYSIS OF NOTCH PATHWAY IN SALIVARY MUCOEPIDERMOID CARCINOMAS BY WHOLE EXOME SEQUENCING

Ana Flavia Costa, DDS, PhD1, Bruna Barros, PhD2, Maria Amorim, PhD1, Renan Valieris, BCompSc3, Israel Tojal Silva, PhD3, Diana Nunes, PhD1, Luiz Paulo Kowalski, MD, PhD5, Emmanuel Dias-Neto, PhD1; Medical Genomics Group - A.C. Camargo Cancer Center, 2Genomics and Molecular Biology Laboratory - A.C. Camargo Cancer Center, 3Laboratory of Bioinformatics - AC Camargo Cancer Center, 4Department of Head and Neck and Otorhinolaryngology Surgery - AC Camargo Cancer Center

S240 IDENTIFICATION OF MICRORNAS AS PROGNOSTIC MARKERS IN HEAD AND NECK CANCER: A SYSTEMATIC REVIEW AND META-ANALYSIS INTEGRATED WITH A NETWORK APPROACH

Josh Lubov1, Mariana Maschietto2, Michael Hier1, Sabrina Daniela Silva Wurzba1; ‘McGill, 2Nacional Laboratory of Biosciences (LNBio), Brazilian Center for Research in Energy and Materials (CNPEM)

S241 WNT INHIBITORY FACTOR 1 IS SILENCED BY PROMOTER HYPERMETHYLATION IN HEAD AND NECK CANCER

Ilangoan Ramachandran, PhD, Ryan Raju, MD, Lacy Brame, MS, Vengatesh Ganapathy, PhD, Eva Brabcova, BS, Matt Naifeh, BS, Jeremiah Reasoner, BS, Greg A Krempi, MD, Jesus Medina, MD, Liu Z Cheng, MD, Lurdes Queimado, MD, PhD; The University of Oklahoma Health Sciences Center, Oklahoma City, OK 73104, USA
Scientific Session  Monday, July 18, 2016

S242 TUMOR-ASSOCIATED FIBROBLASTS FACILITATE HEAD AND NECK CANCER GLYCOLYSIS AND GROWTH
Dhruv Kumar, Jacob New, Wade Gutierrez, Hemant Chavan, Yelizaveta Shnayder, Terance Tsue, Kiran Kakarala, Douglas Girod, Partha Kasturi, Sufi Thomas; University of Kansas Medical Center

S243 DELIVERY OF WILD-TYPE P53 INTO MUTANT P53 ORAL CANCER CELLS VIA A NANOPARTICLE COMPLEX DELIVERY SYSTEM ENHANCES IMMUNOGENICITY AND RESPONSE TO CHEMORADIOTherAPY

Proffered Papers:  Monday, July 18, 2016
Cancer Screening/Detection

Moderators: Elizabeth A. Blair, MD; Jay O. Boyle, MD; & Chih-Yen Chien, MD

S244 EARLY DETECTION OF HEAD AND NECK CANCERS USING A SALIVARY DNA METHYLATION PANEL
Christopher F Perry, MD1, Chamindie Punyadeera, PhD2; 1University of Queensland, 2Queensland University of Technology Institute of Health and Biomedical Innovation

S245 A FRAMEWORK FOR MEDICAL STUDENT LEADERSHIP IN ORGANIZING ORAL, HEAD AND NECK CANCER SCREENING EVENTS
Monika E Freiser, MD, MPH1, Dipan D Desai2, Erin R Cohen2, Mikhaylo Szczykap, MD2, Chetan S Nayak, MD2, Penelope S Fisher, MS, RN, CORLN2, Zouka B Sargi, MD, MPH2; 1University of Pittsburgh Medical Center, 2University of Miami Miller School of Medicine

S246 CIRCULATING TUMOUR CELLS IN HEAD AND NECK CANCER
Christopher F Perry, MD1, Chamindie Punyadeera, PhD2; 1University of Queensland, 2Institution of Health and Biomedical Innovation, Queensland University of Technology

S247 DEVELOPMENT OF A NOVEL, DROPLET DIGITAL PCR-BASED MOLECULAR TEST FOR RISK OF ORAL CANCER PROGRESSION
Curtis Hughesman, PhD1, David Lu, BS, Hon1, Benedikt Brink, PhD2, Kelly Liu, MSc1, Zhu Yu Qi, MD2, Ryan Brinkman, PhD3, Charles Haynes, PhD1, Catherine F Poh, DDS, PhD, FRCD(C); University of British Columbia, 2British Columbia Cancer Research Centre, 3Terry Fox Research Institute

S248 SURGICAL RATES AND EXTENT OF THYROID SURGERY IN AFIRMA GEC BENIGN PATIENTS ARE SIMILAR TO MATCHED CYTOPATHOLOGY BENIGN PATIENTS IN A NATIONAL MANAGED CARE POPULATION
Jay Visaria, PhD, MPH1, Richard T Kloos, MD1, John W Hanna1, Neil M Barth, MD1, Tao Gu, PhD2; 1Veracyte, Inc., 2HealthCore, Inc.

S249 MICRORNA-21 IN LARYNGEAL SQUAMOUS CELL CARCINOMA: DIAGNOSTIC AND PROGNOSTIC FEATURES
Bulent E Erkul, MD1, Ismail Yilmaz, MD2, Atila Gungor, MD2, Onuralp Kurt, MD2, Mustafa Babayigit, MD2; 1Medical University of South Carolina, 2Gulhane Military Medical Academy Haydarpasa Training Hospital Istanbul, Turkey, 3Gulhane Military Medical Academy, Ankara, Turkey

S250 COMPUTED TOMOGRAPHY FOR PREDICTION OF EXTRACAPSULAR SPREAD IN ORAL AND OROPHARYNGEAL SQUAMOUS CELL CARCINOMA, A COMPARATIVE ANALYSIS
Juliana Bonilla-Velez, MD, Mariah Small, Rudy L Van Hemert Jr, MD, Ryan T Fitzgerald, MD, Mauricio Moreno, MD; University of Arkansas for Medical Sciences
Scientific Session

Monday, July 18, 2016

S251 MRI ASSESSMENT OF EXTRACAPSULAR SPREAD IN PATIENTS WITH OROPHARYNGEAL CARCINOMA
Ameet K Grewal, MD, Mrudula Penta, MD, Olivier Gevaert, PhD, Nancy Fischbein, MD, F C Holsinger, MD; Stanford

S252 IDENTIFICATION OF CIRCULATING TUMOR CELLS AND ITS CLINICAL RELEVANCE IN PATIENTS WITH SQUAMOUS CELL CARCINOMA OF THE HEAD AND NECK
Kazuaki Chikamatsu, MD, Hideyuki Takahashi, MD, Koichi Sakakura, MD, Masato Shino, MD, Shota Ida, MD, Ikko Mito, MD, Minoru Toyoda, MD; Dept of OTO-HNS, Gunma Univ Graduate School of Med

Proffered Papers: Potpourri II

Moderators: Joseph Blake Golden, MD; Mark W. El-Deiry, MD & David Myssiorek, MD

S253 NECK DISSECTION FOR CERVICAL LYMPH NODE METASTASES FROM PRIMARIES NOT IN THE HEAD AND NECK
Hiroyuki Harada, Shogo Shinohara, Atsushi Suehiro, Keizo Fujiwara, Ippei Kishimoto, Fumihiko Kuwata, Kazuki Hayashi, Ryosuke Yamamoto, Yasushi Naito; Kobe City Medical Center General Hospital

S254 PHOTOMUNOTHERAPY FOR THE TREATMENT OF RESIDUAL DISEASE AFTER INCOMPLETE RESECTION OF HEAD AND NECK SQUAMOUS CELL CARCINOMA
Lindsay S Moore, MD1, Esther de Boer, BS1, Matthew D Tucker, BS1, William R Carroll, MD1, Jason M Warram, PhD1, Eben L Rosenthal, MD2; 1The University of Alabama at Birmingham, 2Stanford University

S255 HEAD AND NECK SARCOMA. CASE SERIES PRESENTATION FROM A SOUTH AMERICAN INSTITUTION
Alejandro Yanzon, MD, Pedro I Picco, MD, Juan J Larrañaga, MD, Eduardo Mazzaro, MD, Marcelo Figari, MD, FACS; Hospital Italiano de Buenos Aires

S256 THE MUTATIONAL LANDSCAPE OF ANAPLASTIC THYROID CANCER
Anthony C Nichols, MD1, Stephen Y Lai, MD, PhD2, Stephenie Prokopeck, PhD3, Nicole C Pinto, MSc1, Michelle Chan-Seng-Yue, PhD3, William C Faquin4, Morgan Black, MSc1, John Yoo, MD1, Christopher Howlett, MD, PhD1, Kevin Fung1, Danielle MacNeil, MD, MSc1, James Koropatnick, PhD1, Alessandro Datti, PhD2, Frederick Vizeocoumar, PhD2, Krupal Patel, MD, MSc1, Cathie Garnis, PhD6, Ken Berean, MD6, Joe S Mymryk, PhD1, James W Rocco, MD, PhD1, David A Palma, MD, PhD1, John W Barrett, PhD1, David A Wheeler, PhD1, Gary L Clayman, MD1, Paul C Boutros, PhD2; 1Western University, 2MD Anderson Cancer Center, 3Ontario Institute for Cancer Research, 4Harvard Medical School, 5Samuel Lunenfeld Research Institute, 6BC Cancer Agency, 7Ohio State University, 8Baylor College of Medicine

S257 FACIAL NERVE SCHWANNOMA LOCATION IS PREDICTIVE OF FACIAL FUNCTION
Robert Gaudin1, Aaron K Remenschneider, MD2, Elliott D Kozin, MD2, Kim Noij3, Max Heiland, MD3, Ralf Smeets, MD3, Michael J McKenna, MD3, Tessa A Hadlock, MD2; 1Massachusetts Eye and Ear Infirmary, Harvard Medical School - Boston, MA & University Medical Center - Hamburg, Germany, 2Massachusetts Eye and Ear Infirmary, Boston, MA, 3University Medical Center - Hamburg, Germany

S258 EFFECT OF SURGERY AND ADJUVANT RADIOTHERAPY ON OVERALL SURVIVAL FOR NON-METASTATIC ADENOID CYSTIC CARCINOMA OF THE HEAD AND NECK: A SEER POPULATION ANALYSIS
Brian J Mitchell, DO1, Jeff Bunn, MD1, Jason Call, MD2, Robert Fairbanks, MD2, Wayne Lamoreaux, MD2, Danko Martincic, MD2, Aaron Wagner, MD2, Ben Peressini3, Chris Lee, MD2; 1Providence Spokane Head, Neck and Thyroid Center, 2Cancer Care Northwest
Scientific Session
Monday, July 18, 2016

S259 RELOCATION OF THE SURGICAL MARGINS FROM SPECIMEN TO THE WOUND BED TO INCREASE SURGICAL SUCCESS RATE
C G F van Lanschot, MD, J A Hardillo, MD, PhD, I ten Hove, MD, DDS, H Mast, MD, DDS, C A Meeuwis, MD, PhD, A Sewnaik, MD, PhD, D Monserez, MD, T C Bakker Schut, MSc, PhD, R J Baatenburg de Jong, Prof, MD, PhD, G J Puppels, MSc, PhD, S Koljenovi?, MD, PhD; ErasmusMC

S260 RECONSTRUCTING SEGMENTAL TRACHEAL DEFECT USING 3D PRINTING TECHNIQUE; EFFECT OF SCAFFOLD SHAPE
Inn-chul Nam1, Dong-woo Cho2, Kwang-jae Cho1, Min-sik Kim1; 1Department of Otolaryngology-Head and Neck Surgery, College of Medicine, The Catholic University of Korea, 2Department of Mechanical Engineering, Pohang University of Science and Technology (POSTECH)

S261 SURGICAL DIGITAL DESIGN AND SIMULATION IN MAXILLARY RECONSTRUCTION
Hadi Seikaly, MD, MAL1, Heather Logan, BDes, MSc2, Georgina Papadopoulos, MScSLP2, Daniel A O’Connell, MD, MSc1, Vincent L Biron, MD, PhD1, Kal Ansari, MD, MACMD1, David W Cote, MD, MPH1, Jeffrey R Harris, MD, MHA1, Jana Rieger, PhD2, Suresh Nayar, BDS, MDS, MPhil2, Martin Osswald, BDS, MDAnt, Johan Wolfaardt, BDS, MDent, PhD2; 1University of Alberta, 2iRSM

5:30 pm - 7:00 pm Poster Session with Wine & Cheese 4E

Poster Tour Leaders:
Endocrine Surgery - Daniel Kuriloff
Cancer Biology - Sufi Thomas
Reconstructive/Microvascular Sx - Liana Puscas
Oral Cavity - Uttam Sinha
Hypopharynx/Larynx - Dev Kamdar
Skin Cancer - Lana Jackson
Nasopharynx/Sinuses/ Skull Base - Ben Judson
Salivary Gland - Carsten Palmer
Oropharynx - Baran Summer
Imaging & Screening - Frank Ondrey

Thank you to our poster judges!
Endocrine Surgery - Paul Friedlander & Nitin Pagedar
Cancer Biology - Jose Zevallos & Sufi Thomas
Reconstructive/Microvascular Sx - Urjeet Patel & Liana Puscas
Oral Cavity - Sargi Zoukka & Uttam Sinha
Hypopharynx/Larynx - Nigel Beasley & Dev Kamdar
Skin Cancer - Timothy Lian & Lana Jackson
Nasopharynx/Sinuses/ Skull Base - Anand Devaiah & Ben Judson
Salivary Gland - Chris Rassekh & Carsten Palmer
Oropharynx - Amy Hessel & Baran Summer
Imaging & Screening - Marilennle Wang & Frank Ondrey
Chemotherapy - Laura Chow & June Corry
Education/Care Delivery- Alexander Kejner & Pardis Javadi
Functional Outcomes - Samir Kharivil & Amy Chen
Health Services Research - Elizabeth Franzman & Doug Frank

7:00 pm - 8:15 pm Astra Zeneca Satellite Symposium: Building Upon the PD-1/PD-L1 Axis: New Targets in Immuno-Oncology (IO), Rationale for Investigating Combinations, and Advanced Squamous Cell Carcinoma of the Head and Neck (SCCHN)
This is a NON-CME activity and was not planned by AHNS. AHNS takes no responsibly for the content.
Speaker: Ezra Cohen, M.D.
Scientific Session

Tuesday, July 19, 2016

6:30 am - 7:30 am  
AHNS New Member & Non-Member Breakfast  
Tahoma 1

7:30 am - 9:00 am  
Milton J. Dance Symposium - Optimizing Survivorship – Prevention Through Late Effects  
4F

Chairs: Katherine A. Hutcheson, MD & G Jolie Ringash, MD  
Moderators: Joseph A. Califano, MD, & Karen T. Pitman, MD

This special symposium has been sponsored by the Milton J. Dance Center, a private not-for-profit facility in Baltimore with a long commitment to patient-centered care. This sponsorship has allowed us to invite expert guest speakers who represent the leading edge of interventional survivorship research around the world. We will focus on practical interventions that can be employed to prevent, support and reverse toxicities that have important implications for survivors of head and neck cancer.

The Milton J. Dance Center - Joseph A. Califano, MD  
Introduction and Goals - Katherine A. Hutcheson, MD & G Jolie Ringash, MD

Soft Tissue Toxicity in Head and Neck Cancer:  
The Lymphedema-Fibrosis Continuum - Barbara A. Murphy, MD

Motivation to Fear Avoidance Impacts on Adherence to Prophylactic Swallowing Exercise for HNC - Giselle Carnaby, PhD, MPH

Osteoradionecrosis & Mandible Fracture: From Pathophysiology to Medical Cure - Sylvie Delanian, MD, PhD

At the conclusion of this session, participants will be able to:

• Prepare patients for potential survivorship issues and recommend self-efficacy interventions
• Apply methods and interventions suggested by the speakers
• Select interventions that may be priorities within their unique practices

9:15 am - 10:00 am  
Hayes Martin Lecture  
4F

Transforming Head and Neck Surgeon into Thyroid Expert

Ashok R. Shaha, MD  
Memorial Sloan Kettering Cancer Center  
New York, NY

Introduction by: Dennis H. Kraus, MD

10:00 am - 10:30 am  
Break in Exhibit Hall 4E
Panel: Nasopharyngeal Cancer: The Current Management of Nasopharyngeal Carcinoma and the Beyond

Moderator: Anne W. M. Lee, MD & Chih-Yen Chien, MD

The multidiscipline approach in the treatment of nasopharyngeal carcinoma (NPC) is essential to improve the clinical outcomes. The clinical significance of EBV biomarker, strategies of chemoradiation and salvage operation will be discussed in this session.

**Introduction** - Chih-Yen Chien, MD

**Brief Overview of Nasopharyngeal Carcinoma** - Chih-Yen Chien, MD

**Biology and Clinical Use of EBV Markers** - Quynh-Thu Le, MD

**Radiation Therapy** - Anne W. M. Lee, MD

**The Role of Systemic Therapy** - Anthony T. C. Chan, MD

**Surgical Management of Recurrence** - Jimmy Yu Wai Chan, MD, MS, MRCS (Ed)

At the conclusion of this session, participants will be able to:

- Recognize the clinical significance of EBV biomarker in nasopharyngeal carcinoma
- Distinguish strategies of chemoradiation for nasopharyngeal carcinoma.
- Assess different salvage operation approaches for recurrent nasopharyngeal carcinoma.

Panel: New Approaches in Radiation Therapy

Moderator: Louis Harrison, MD, FASTRO

This session will discuss new ideas about radiation therapy technique as well as opportunities to anatomically and biologically personalize treatment. Proton beam RT, stereotactic RT, as well as applications of genomics and biologically adaptive therapy will be covered.

**Proton Beam Radiation Therapy** - Nancy Y. Lee, MD

**Stereotactic Radiation Therapy for Head and Neck Cancer** - Farzan Siddiqui, MD, PhD

**New Ideas to Personalize and Biologically Adapt Radiation Therapy** - Louis Harrison, MD, FASTRO

**Radiosensitization in Head and Neck Cancer** - Francis Worden, MD

At the conclusion of this session, participants will be able to:

- Understand how to better recognize how to incorporate stereotactic radiation therapy into clinical practice and treatment planning
- Distinguish clinical problems that may be well suited for evaluation for proton beam RT
- Recognize some of the developments aimed at personalizing radiation therapy and adapting it to the individual patient
Panel: Current Management of Oral Cavity Cancer

Moderators: Anil K. D’Cruz, MD & Jeffrey N. Myers, MD, PhD

Short lectures and case presentations will be used to delineate up to date evaluation and treatment of early and advanced oral cavity cancers.

Introduction - Jeffrey N. Myers, MD, PhD
Management of Early Primary Tumors - Pierre Lavertu, MD
Pathologic Assessment of Margins by Surgeons or pathologists - Simion Chiosea, MD
Management of the Neck - Anil K. D’Cruz, MD
Management of Advanced Primary Tumors - Ken-ichi Nibu, MD
Indications for Adjuvant Treatment - David Raben, MD

At the conclusion of this session, participants will be able to:

• Formulate a multi-disciplinary evaluation and primary treatment plan for patients with early staged oral cavity cancers.
• Choose a multi-disciplinary evaluation and primary treatment plan for patients with advanced staged oral cavity cancers
• Develop a plan for post-operative adjuvant treatment for oral cancer patients with high risk pathology.

Proffered Papers: Oropharynx/HPV

Moderators: Matthew Old, MD; Aron Popovtzer, MD; & Adam Raben, MD

S271 THE IMPACT OF TONSILLECTOMY ON THE NATURAL HISTORY OF ORAL HUMAN PAPILLOMA VIRUS INFECTION IN HEALTHY INDIVIDUALS: DATA FROM THE UK OROMOUTH COHORT
Oladejo Olaleye, MPH, MRCS, DOHNS, MBBS1, Peter Sasieni, Professor2, Hisham Mehanna, Professor2; 1Institute of Head and Neck Studies and Education (InHANSE), University of Birmingham, United Kingdom, 2Wolfson Institute of Preventive Medicine, Queen Mary University of London, UK

S272 RISING INCIDENCE OF HPV POSITIVE OROPHARYNGEAL CANCER IN TAIWAN WHERE BETEL NUT CHEWING IS COMMON IN THE PAST 16 YEARS
Cheng-ping Wang, MD1, Yih-Leong Chang, MD2, Tseng-Cheng Chen, MD, PhD1, Jenq-Yuh Ko, MD, PhD1, Tsung-Lin Yang, MD, PhD1, Pei-Jen Lou1, Taiwan Head and Neck Cancer Study Group Thancs2; 1Department of Otolaryngology, National Taiwan University Hospital, 2Department of Pathology, National Taiwan University Hospital, 3THANCS

S273 HIGH EXPRESSION OF MYOFERLIN IS ASSOCIATED WITH POOR OPSCC PATIENTS AND IS INVERSELY ASSOCIATED WITH HPV-STATUS
Bhavna Kumar, MS1, Nicole V Brown, MS2, Benjamin J Swanson, MD, PhD3, Alessandra C Schmitt, MD3, Matthew Old, MD1, Enver Ozer, MD1, Amit Agrawal, MD1, David E Schuller, MD1, Theodoros N Teknos, MD1, Pawan Kumar, MS, PhD1; 1Department of Otolaryngology-Head and Neck Surgery, 2Center for Biostatistics, 3Department of Pathology, The Ohio State University, Columbus, OH
Scientific Session  
Tuesday, July 19, 2016

S274 INCREASED RISK OF CERVICAL CANCER IN FEMALE SPOUSES OF OROPHARYNGEAL SQUAMOUS CELL CARCINOMA PATIENTS
Marcus M Monroe, MD, Jason Hunt, MD, Luke Buchmann, MD, Lisa Cannon-Albright, PhD, Mia Hashibe, PhD; University of Utah School of Medicine

S275 OUTCOME AND IMPACT OF HIGH-RISK HUMAN PAPILLOMAVIRUS IN PATIENTS TREATED WITH PRIMARY SURGERY FOR OROPHARYNGEAL CANCER
Martina A Broglie, MD1, Sandro J Stoeckli, MD1, Philippe Pasche, MD2, Antoine Reinhard, MD2, Laurence de Leval, MD2, Gerhard F Huber, MD4, Thomas F Pezier4, Alex Soltermann, MD5, Roland Giger, MD6, Andreas Arnold, MD6, Eva Diamantis, MD7, Andre Arnowx, MD8, Martin Müller, MD9, Stephan Spreitzer, MD9, Florian Lang, MD10, Mathieu Lutchmaya, MD10, Edouard Stauffer, MD11, Vittoria Espeli, MD12, Francesco Martucci, MD13, Massimo Bongiovanni, MD14, Wolfram Jochum, MD15; 1Department of Otorhinolaryngology, Head and Neck Surgery, Kantonsspital St.Gallen, Switzerland, 2Department of Otorhinolaryngology, Head and Neck Surgery, University of Lausanne, Switzerland, 3Department of Pathology, University hospital of Lausanne, Switzerland, 4Department of Otorhinolaryngology, Head and Neck Surgery, University Hospital of Zurich, Switzerland, 5Institute of Surgical Pathology, University Hospital of Zurich, Switzerland, 6Department of Otorhinolaryngology, Head and Neck Surgery, University of Berne, Switzerland, 7Department of Pathology, University of Berne, Switzerland, 8Department of Otorhinolaryngology, Head and Neck Surgery, Kantonsspital Aarau, Switzerland, 9Department of Pathology, Kantonsspital Aarau, Switzerland, 10Department of Otorhinolaryngology, Head and Neck Surgery, Kantonsspital Fribourg, Switzerland, 11Institute of Pathology, Promed SA, Fribourg, Switzerland, 12Oncology institute of southern Switzerland (IOSI) Bellinzona, Switzerland, 13Department of Radioonocolgy, Oncology institute of southern Switzerland (IOSI) Bellinzona, Switzerland, 14Institute of Pathology, Locarno, Switzerland, 15Institute of Pathology, Kantonsspital St. Gallen, Switzerland

S276 SUPPRESSION OF ANTITUMOR IMMUNE RESPONSES BY HUMAN PAPILLOMAVIRUS THROUGH EPGENETIC DOWNREGULATION OF CXCL14
Louis Cicchini1, Joseph Westrich1, Daniel Vermeer2, Jennifer Berger1, Eric Clambey1, Denis Lee1, John Song1, Paul Lambert1, Robert Greer1, John H Lee1, Dohun Pyeon1; 1University of Colorado, 2Sanford Health

S277 NECK DOWNSTAGING AFTER 46 GY OF RADIOTHERAPY IS ASSOCIATED WITH HPV-RELATED OROPHARYNGEAL CARCINOMA.
Emilie Dronkers, MD, Senada Koljenovic, MD, PhD, Gerda Verduijn, MD, Robert Baatenburg de Jong, MD, PhD, Jose Hardillo, MD, PhD; Erasmus University Medical Center Rotterdam

S278 DIFFERENTIAL EXPRESSION OF ALDO-KETO-REDUCTASE 1C1 AND 1C3 GENES IS ASSOCIATED WITH VIRAL PHYSICAL STATUS IN HPV16 POSITIVE OROPHARYNGEAL SQUAMOUS CELL CARCINOMAS
Ernst Jan M Speel1, Nadine C Olthof1, Jutta Kolligs2, Annick Haesevoets1, Mieke Henfling1, Frans C Ramaekers1, Simon F Preuss2, Dirk Beutner2, Uta Drebber1, Wan L Lam2, Emily A Vucic2, Bernd Kremer1, Jens P Klussmann1, Christian U Huebbers1; 1Maastricht University Medical Center, 2University of Cologne, 3British Columbia Cancer Research Center, 4University Hospital of Giessen

S279 DIAGNOSTIC ROLE OF GUIDED BIOPSY AND 18F-FDG PET/CT OR CT/MR IMAGING IN PATIENTS WITH CERVICAL METASTASES OF UNKNOWN PRIMARY TUMOR
Ji Won Kim, Shereen Yankasari, Yoon Se Lee, Jong-Lyel Roh, Seung-Ho Choi, Sang Yoon Kim; Asan Medical Center
Scientific Session Tuesday, July 19, 2016

Proffered Papers: Cancer Biology III and Stem Cells

Moderators: Umamaheswar Duvvuri, MD, PhD; Byung-Joo Lee, MD; & Maie St John, MD, PhD

S280 MESENCHYMAL STEM CELLS HOME TO THE TUMOR MICROENVIRONMENT IN ORAL CAVITY CANCER
Tamara L Watts, MD, PhD, Ruwen Cui, BS, Irina V Pinchuk, PhD, Don W Powell, MD: University of Texas Medical Branch

S281 CANCER INITIATING CELLS-CANCER ASSOCIATED FIBROBLASTS CROSS TALK IN INDUCING RESISTANCE TO CHEMOPREVENTION
Gangotri Siddappa1, Safeena Kulsum1, Ravindra D R1, Nalini Raju2, Nisheena R2, Tina Jacob3, Binu T Kuruvilla4, Benny Anthony6, Padma L6, Amritha Suresh2, Moni A Kuriakose2, 1Integrated Head and Neck Oncology Research Program, Mazumdar Shaw Centre for Translational Research, Mazumdar Shaw Medical Centre, Narayana Health, Bangalore 560099, 2Department of Histopathology, Mazumdar Shaw Medical Centre, Narayana Health, Bangalore 560099, 3Department of Oral Pathology and Microbiology, Bangalore Institute of Dental Sciences, Bangalore 560029, 4Arjuna Natural Extracts Ltd., P.B.No. 126, Bank Road, Alwaye, Kochi, Kerala 683101, 5Department of Pharmacology, Dr B R Ambedkar Medical College, Bangalore 560045, 6Head and Neck Oncology, Mazumdar Shaw Medical Centre, Narayana Health, Bangalore 560099

S282 ANGIOTENSIN II TYPE 1 RECEPTOR CONTRIBUTES TO MALIGNANT PROGRESSION IN ORAL SQUAMOUS CELL CARCINOMA THROUGH MODULATION OF FLJ10540/S100A9 SIGNALING
Chang-Han Chen, PhD1, Hsin-Ting Tsai2, Chih-Yen Chien2, 1Institute for Translational Research in Biomedicine, Kaohsiung Chang Gung Memorial Hospital, 2Department of Otolaryngology, Kaohsiung Chang Gung Memorial Hospital

S283 THE EFFECT OF HYDROGEL MIXED HUMAN ADIPOSE TISSUE-DERIVED MESENCHYMAL STEM CELL INJECTION FOR THE REGENERATION OF IRRADIATION-INDUCED SALIVARY GLAND DAMAGE
Eun-Jae Chung1, Young-Soo Rho2, Seong-Keun Kwon3, 1Department of Otorhinolaryngology - Head and Neck Surgery, Seoul National University Hospital, 2Department of Otorhinolaryngology-Head and Neck Surgery, Hallym University Hospital, Hallym University College of Medicine

S284 IS C-11 METHIONINE PET AN ALTERNATIVE TO FDG PET FOR IDENTIFYING RECURRENT LARYNGEAL CANCER AFTER RADIOTHERAPY?
Jan Wedman, MD5, Jan Pruim, proffessor, MD, PhD1, Lisa van Putten, MD2, Remco de Bree, professor, MD, PhD2, Boukje van Dijk, PhD3, Otto Hoekstra, MD, PhD, Professor4, Bernard van der Laan, professor, MD, PhD5, 1Department of Nuclear Medicine, University Medical Center Groningen, Groningen, The Netherlands, 2Department of Otolaryngology / Head and Neck Surgery, VU University Medical Center, Amsterdam, The Netherlands, 3Department of Epidemiology and Biostatistics, University Medical Center Groningen, Groningen, The Netherlands, 4Department of Radiology and Nuclear Medicine, VU University Medical Center, Amsterdam, The Netherlands, 5Department of Otorhinolaryngology / Head & Neck Surgery, University Medical Center Groningen, Groningen, The Netherlands

S285 ROLE OF EXOSOMAL MICRORNAs IN ORAL CANCER
C Dickman, J Lawson, K Bennewith, C Garnis, phd; University of British Columbia
S286 THE DISCOVERY OF DIFFERENTIALLY METHYLATED SUPER-ENHANCER ELEMENTS IN HPV-RELATED OROPHARYNGEAL SQUAMOUS CELL CARCINOMA
Daria A Gaykalova, PhD1, Emily L Flam, BS1, Alexander V Favorov, PhD1, Michael Considine, MS1, Theresa Guo, MD1, Ludmila Danilova, PhD1, Dylan Kelley, MD1, Justin A Bishop, MD1, Jessica Bondy, BS1, Samantha Greeley, BS1, Samantha Merritt, BS1, Julie Ahn, BS1, Marla Goldsmith, BS1, Wayne Koch, MD1, William H Westra, MD1, Zubair Khan, MD1, Sarah Wheelan, PhD1, Michael Ochs, PhD2, Elana Fertig, PhD1, Joseph A Califano, MD3; 1Johns Hopkins Medical Institutions, 2The College of New Jersey, 3University of California, San Diego

S287 CHARACTERIZATION OF FADU-R, A RADIORESISTANT HEAD AND NECK CANCER CELL LINE, AND CANCER STEM CELLS
Young-Hoon Joo, Eun-Ji Park, Min-Sik Kim; The Catholic University of Korea

S288 CANCER INITIATING CELL PROFILE IN TOBACCO INDUCED CARCINOGENESIS AND EFFECT OF ALL-TRANS RETINOIC ACID (ATRA) BASED CHEMOPREVENTION IN ORAL CANCER
Subin T Surendran1, Amrutha S Mohan1, Wesley L Hicks1, Amritha Suresh1, Moni A Kuriakose1; 1Head and Neck Surgery, Roswell Park Cancer Institute, Buffalo, New York, 14263, 2Mazumdar Shaw Medical Center- Roswell Park Collaboration Program, Buffalo, New York 14263

Proffered Papers: Epidemiology

S289 THE TREND OF AGE-PERIOD EFFECT ON PROGNOSIS IN DIFFERENTIATED THYROID CANCER
Rongliang Shi1, Ning Qu2, Qinghai Ji2; 1Fudan University Minhang Hospital, 2Fudan University Shanghai Cancer Center

S290 MALIGNANCY RATES ON SUBCATEGORIES OF BETHESDA CLASS III (THYROID FNAB) IN A REFERENCE CENTER IN BRAZIL
Paulo Campos Carneiro1, Luiz Fernando Ferraz da Silva1, Leticia de Moraes Mosca2, Vergilious José Furtado de Araújo Neto2, Claudio Roberto Cernea2, Vergilious José Furtado de Araújo Filho2; 1Department of Pathology - University of São Paulo, São Paulo, Brazil, 2Department of Head and Neck Surgery - University of São Paulo, São Paulo, Brazil

S291 EVALUATION OF ULTRASOUND REPORTING FOR THYROID CANCER DIAGNOSIS AND SURVEILLANCE
Ilya Likhterov, MD, Marcela Osorio, Meghan Rowe, Mark Urken, MD; Mount Sinai Beth Israel

S292 OBESITY IS ASSOCIATED WITH AGGRESSIVE CLINICOPATHOLOGICAL FEATURES OF PAPILLARY THYROID CANCER: DATA FROM 2 TEACHING HOSPITALS IN CHINA.
Shi-tong Yu, PhD, Candidates1, Qian Cai, MD1, Fa-ya Liang, MD1, Ping Han, MD1, Xiao-ming Huang, MD1, Jichun Yu, MD2; 1Department of Otorhinolaryngology, Head and Neck Surgery, Sun Yat-sen Memorial Hospital, Sun Yat-sen University, 2Department of Thyroid Surgery, the 2nd Affiliated Hospital of Nanchang University

S293 AN ONCOSPACE RISK PREDICTION MODEL FOR HEAD AND NECK RADIATION TOXICITIES: NOVEL INSIGHTS TO REDUCE THE RISK OF HEAD AND NECK RADIATION-INDUCED XEROSTOMIA
Xuan Hui, MD, Harry Quon, MD, MS, Scott P Robertson, PhD, Zhi Cheng, MD, Joseph A Moore, PhD, Michael Bowers, Ana P Kiess, MD, PhD, Brandi R Page, MD, Christine G Gourin, MD, MPH, Todd R McNutt, PhD; Johns Hopkins University
Scientific Session  
Tuesday, July 19, 2016

S294 HEAD AND NECK CANCER INCIDENCE IN ONTARIO (1993-2010)
Matthew J Mifsud, MD, Antoine Eskander, MD, ScM, Jonathon C Irish, MD, FRCS, FACs, MSc, David R Urbach, MD, MSc, FRCS, FACs, John de Almeida, MD, MSc, FRCS, David P Goldstein, MD, MSc, FRCS, FACS; University of Toronto

S295 POPULATION ANALYSIS OF SOCIOECONOMIC STATUS AND OTOLARYNGOLOGIST DISTRIBUTION ON HEAD AND NECK CANCER OUTCOMES
Andrew B Davis, MD1, J. Robert Schleiffarth, MD2, Steven M Sperry, MD1, Mary E Charlton, PhD3, Nitin A Pagedar, MD1; ‘Otolaryngology Department, University of Iowa, ‘Rapid City Medical Center, Rapid City SD, ‘Department of Epidemiology, University of Iowa

S296 GLOTTIC TUMOR VOLUME AS A PREDICTOR OF SURVIVAL: A POPULATION BASED ANALYSIS OF SURVIVAL
William J Reschly, MD, Sandy O Inocente, BS, Reordan O DeJesus, MD, William M Mendenhall, MD, Robert Amdur, MD, Brian J Boyce, MD, Peter T Dziegielewski, MD, FRCS; University of Florida

S297 DETERMINANTS OF TREATMENT OUTCOME IN ORAL CAVITY CANCER PATIENTS: AN ANALYSIS OF THE NATIONAL CANCER DATABASE (NCDB) OF 58,295 PATIENTS
Muhammad M Qureshi, MBBS, MPH1, Diana Kirke, MD2, Andrew Salama, MD, DDS2, Waleed H Ezzat, MD2, Scharukh Jalisi, MD2, Minh Tam Truong, MD2; ‘Boston University School of Medicine, ‘Boston Medical Center

Proffered Papers: Best of Clinical II

Moderators: James S. Brown, MD; Brian B. Burkey, MD, MEd; & Scharukh Jalisi, MD

S305 THE INFLUENCE OF PERINEURAL AND ANGIOLYMPHATIC INVASION ON SURVIVAL IN MINOR SALIVARY GLAND MALIGNANCIES
Phillip Huyett, MD, Jonas T Johnson, MD, Robert L Ferris, MD, PhD, Umamaheswar Duvvuri, MD, PhD, Seungwon Kim, MD, PhD; UPMC

S298 AMERICAN COLLEGE OF SURGEONS - NATIONAL SURGICAL QUALITY IMPROVEMENT PROGRAM (NSQIP) ASSESSMENT OF RISK FACTORS FOR 30 DAY UNPLANNED READMISSION IN PATIENTS UNDERGOING HEAD AND NECK SURGERY REQUIRING FREE TISSUE RECONSTRUCTION.
Orly M Coblens, Jason Brant, MD, Ara A Chalian, MD, Jason G Newman, MD, FACS, Steven B Cannady, MD; University of Pennsylvania

S299 THE IMPACT OF A HEAD AND NECK ONCOLOGY FELLOWSHIP PROGRAM ON OTOLARYNGOLOGY RESIDENT TRAINING IN A HIGH VOLUME CENTER
Kate Clancy, BA1, Sami Melki, MD2, Nicole Fowler, MD2, Rod Rezaee, MD2, Pierre Lavertu, MD2, Chad A Zender, MD2; ‘Case Western Reserve School of Medicine, ‘University Hospitals Case Medical Center

S300 CARDIAC GATED CT ANGIOGRAPHY IN PRIMARY HYPERPARATHYROIDISM: A NEW AND EFFECTIVE IMAGING TECHNIQUE.
Isaac E Schwartz, MD, Gregory Capra, MD, Terence Johnson, MD, David P Mullin, MD, Gil Boswell, MD; Naval Medical Center, San Diego

S301 MRI BASED IDENTIFICATION OF LYMPH NODES AND NERVES, THE FUTURE IN SURGICAL PLANNING FOR SENTINEL NODE PROCEDURES IN HEAD AND NECK CANCER?
T Buckle1, G.h. KleinJan1, N.s. van den Berg1, B.m. Verbist1, A. Webb1, M.c. de Ruiter1, M.a. van Buchem1, A.j.m. Balm2, F.w.b. van Buchem1; ‘Leiden University Medical Center, ‘Netherlands Cancer Institute- Antoni van Leeuwenhoek hospital (NKI-AvL)
Scientific Session  Tuesday, July 19, 2016

S302 PROSPECTIVE ANALYSIS OF THE DEVELOPMENT OF TRISMUS AND THE PREDICTIVE FACTORS OF SEVERITY IN NASOPHARYNGEAL CARCINOMA PATIENTS UNDERGOING RADIATION
Donovan Eu, MBBS, Boon-Cher Goh, MD, Ivan Tham, MD, Thomas Loh, FRCS; National University Health System, Singapore

S303 UNITED KINGDOM MULTICENTRE HPV OROPHARYNX CANCER CROSS-SECTIONAL STUDY - AN EVOLUTION IN THE UNDERSTANDING OF DISEASE AETIOLOGY
Andrew G Schache, MD, PhD; Minerva Powell, PhD; Kate Cuschieri, PhD; Max Robinson, PhD; Sam Leary, PhD; Hisham Mehanna, MD, PhD; Davy Rapozo, Anna Long, Heath Cubie, Elizabeth Junor, Hannah Monaghan, Kevin Harrington, PhD; Christopher M Nutting, PhD; Ulrike Schick, Andy S Lau, Jon Sheard, Catharine M West, PhD; Ken Ogus, Steve Thomas, PhD; Andy R Ness, PhD; Miranda Pring, Dennis J McCance, PhD; Jacqueline A James, PhD; Michael Moran, MD, PhD; Emma V King, PhD; Gareth Thomas, PhD; Phil Sloan, Richard J Shaw, MD; Mererid Evans, MD; Patrick M Jones, MD; ‘University of Liverpool, ‘Cardiff University, ‘Scottish Human Papillomavirus Reference Laboratory, ‘Newcastle University, ‘University of Bristol, ‘University of Birmingham, ‘Brazillian National Cancer Institute, ‘Edinburgh Cancer Research Centre, ‘Royal Infirmary of Edinburgh, ‘The Royal Marsden Hospital, ‘University of Manchester, ‘University of New Mexico, ‘Northern Ireland Molecular Pathology Laboratory, ‘University College London Hospital NHS Trust, ‘Poole Hospital NHS Foundation Trust, ‘University of Southampton, ‘Velindre Cancer Centre

S304 USE OF FREE TISSUE TRANSFER IN HEAD AND NECK CANCER SURGERY AND RISK OF OVERALL AND SERIOUS COMPLICATION: AN ACS-NSQIP ANALYSIS OF FREE TISSUE TRANSFER TO THE HEAD AND NECK
Steven B Cannady, MD, Jason G Newman, MD, John P Fischer, MD, Ara C Chalian, MD, Jason A Brant, MD; University of Pennsylvania

S306 IS THERE A ROLE OF COMPUTED TOMOGRAPHY IN WELL DIFFERENTIATED THYROID CANCER?
Richa Vaish, MS, Abhishek Mahajan, MD, Nilesh Samble, MD, Supreeta Arya, Devendra Chaukar, MSDNB, Anil D’Cruz, MSDNBFRCS, Hon; Tata Memorial Hospital

Proffered Papers: Reconstruction III  Thursday, July 21, 2016

Moderator: Liana Puscas, MD

S262 VIRTUAL DISSECTION OF MSAP FLAPS
Alastair Fry, FRCS1, Alasdair McKechnie, PhD, FRCS1, Richard Tunstall, PhD2, Michael Nugent, FRCS3; 1Sheffield Teaching Hospitals, 2Warwick University, 3Sunderland Royal Hospital

S263 PNEUMONIA AND OTHER NON-SURGICAL SITE NOSOCOMIAL INFECTIONS AFTER MAJOR HEAD AND NECK PEDICLED AND FREE FLAP RECONSTRUCTIVE SURGERY
Tigson Tico, MD1, Daniel G Deschler, MD1, Vinay K Rathi, BA2, Neerav Goyal, MD, MPH3, Bharat B Yarlagadda, MD4, Debbie L Rich, RN1, Kevin S Emerick, MD1, Derrick T Lin, MD1, Marlene L Durand, MD1; ‘Massachusetts Eye & Ear Infirmary, ‘Yale University School of Medicine, ‘Penn State University, ‘Lahey Clinic

S264 FREE TISSUE TRANSFER IS SAFE AND FUNCTIONALLY EFFECTIVE IN SELECT PATIENTS UNDERGOING TRANSORAL ROBOTIC SURGERY; DEFINING THE ROLE OF FREE FLAPS FOR TORS
Steven B Cannady, MD, Kyle M Hatten, MD, Elizabeth Cottrill, MD, Christina Wray, Ara A Chalian, MD, Jason Newman, MD, Christopher H Raschek, MD, Bert W O’Malley, MD, Gregory S Weinstein, MD; Hospital of the University of Pennsylvania

144 9th International Conference on Head & Neck Cancer
Scientific Session  
Tuesday, July 19, 2016

S265 REVISITING THE LATERAL ARM FREE FLAP IN HEAD AND NECK RECONSTRUCTION
Edward I Chang, MD, FACS, Amir Ibrahim, MD, Alexander T Nguyen, MD, FACS, Hiroo Suami, MD, Peirong Yu, MD; MD Anderson Cancer Center

S266 VASCULAR ANATOMY OF THE PERONEAL ARTERY - IMPLICATIONS FOR FLAP DESIGN
Alastair Fry, FRCS1, Dave Laugharne, FRCS2, Keith Jones, FRCS2, Richard Tunstall, BMedSci, PhD; 1Sheffield Teaching Hospitals NHS Trust, 2Royal Derby Hospital, 3University of Warwick

S267 EXTENDED VERSUS SHORT DURATION OF ANTIBIOTIC PROPHYLAXIS IN HEAD AND NECK FREE FLAP RECONSTRUCTION
Sanjeev M Balamohan, MD, Raja Sawhney, MD, MFA, Lauren M Mackinnon, BSc, Brian J Boyce, MD, MFA, Patrick J Antonelli, MD, Peter T Dziegielewski, MD, FRCS; University of Florida

S268 ACCURACY OF OSSEOINTEGRATED IMPLANT INSTALLATION USING SURGICAL DESIGN AND SIMULATION IN PREFABRICATED VASCULARISED FIBULA FREE FLAP MAXILLOFACIAL RECONSTRUCTION
Sherif Idris, MD, BSc1, Heather Logan, BDes, MSc2, Brittany Barber, MD, BSc1, Russell Murphy, MD, FRCS1, Johan Wolfaardt, BDS, MDent, PhD2, Martin Oswalde, BDS, MDent2, Suresh Nayar, BDS, MDS2, Andrew Grosvenor, DT, MIMPT2, Vincent L Biron, MD, PhD, FRSC1, David Côté, MD, MPH, CCFP, FRSC1, Kal Ansari, MD, MSc, FRSC1, Jeffrey R Harris, MD, MHA, FRCS1, Daniel A O’Connell, MD, MSc, FRSC1, Hadi Seikaly, MD, MAL, FRCS1; Division of Otolaryngology - Head and Neck Surgery, Department of Surgery, University of Alberta, Edmonton, Alberta, Canada, 1Institute for Reconstructive Sciences in Medicine, Misericordia Community Hospital, Edmonton, Alberta, Canada

S269 COMPARISON OF OPERATIVE TIMES AND HOSPITAL LENGTH OF STAY FOR FIBULAR AND SCAPULAR TIP OSSEOUS FREE FLAPS
Gita M Fleischman, MD, Grace Austin, MD, Andrew Pappa, Jose Zevallos, Samip Patel, Trevor Hackman; University of North Carolina

S270 IMPACT OF CAROTID ARTERY STENOSIS IN HEAD AND NECK CANCER PATIENTS UNDERGOING FREE TISSUE TRANSFER RECONSTRUCTION
Marco A Ayala, MD, Valerie Wood, MD, Tran Le, MD, Sinehan Bayrak, MD, Kiran Kakarala, MD, Terance Tsue, MD, Douglas Girod, MD, Yelizaveta Shnayder, MD; University of Kansas Medical Center

12:00 pm - 1:30 pm  Lunch On Own

OR

12:15 pm - 12:27 pm Industry Theatre: Vigilant Biosciences
This activity is not accredited for CME and was not planned by AHNS. AHNS takes no responsibly for the content.

OR

12:15 pm - 1:15 pm AHNS Business Meeting  
For AHNS Members Only

1:30 pm - 3:00 pm VIDEO SESSIONS, PANELS OR PROFFERED PAPERS

Video Session: How I Do It – Part 2  
Moderator: Mark K. Wax, MD
During this session experts in the field of Head and Neck Surgery have been selected for their expertise in critical surgical procedures. Each will present their topic by use of a surgical video of the procedure outlining their techniques, including indication, surgical pearls, and how to avoid the potential complications of each procedure.

**Thyroidectomy** - Jeremy L. Freeman, MD

**Selective Neck Dissection** - Jatin P. Shah, MD, PhD (Hon.), DSc(Hon), FRCS(Hon)

**Forearm Free Flap** - Derrick Lin, MD

**Bone Flap for Mandible Reconstruction** - Adam Luginbuhl, MD

**Osteocutaneous** - Yelizaveta Lisa Shnayder, MD

**Submental Island** - Urjeet A. Patel, MD

### Panel: Genomics and Genetics in Evaluation of Thyroid Nodules

**Moderator:** Maisie Shindo, MD & Gregory L. Randolph, MD

Over the last several years there has been an explosion of knowledge related to thyroid nodularity and cancer which has resulted in the development of tests that are available in the workup of thyroid nodular disease. We will review the application of these tests for the surgeon-clinician.

**Introduction** - Maisie Shindo, MD & Gregory L. Randolph, MD

**A Primer of Mutational Pathways in Thyroid Cancer** - Kepal N. Patel, MD

**Gene Expression Classifier** - David Steward, MD

**Molecular Mutation Panels** - Robert L. Witt, MD

**Genetic Syndromes and Thyroid Cancer Risk** - Catherine F. Sinclair, MD, FRACS

At the conclusion of this session, participants will be able to:

- Understand the importance of cytopathologic category in determining genetic testing options.
- Appreciate the patient’s in whom a high negative predictive value test may be applied in order to avoid surgery.
- Appreciate the patient in whom an indeterminate aspirate may be augmented by a mutational panel to allow for oncologic surgical plan to be generated.

### Panel: State-Of-The Art Management of Oropharyngeal Cancer

**Moderator:** Sandro V. Porceddu, MD & Harry Quon, MD

**Locally Advanced Oropharynx HPV-Negative Cancer** - Sandro V. Porceddu, MD

**Locally Advanced Oropharynx HPV+ Cancer** - Sue Yom, MD

**IMRT for Oropharynx Cancer** - Nancy Y. Lee, MD

**Consider Adding Functional Outcomes** - Jo Patterson, MD

**Options for Surgical Management** - Jeremy Richmon, MD
Panel: Targeted Therapeutics and Translational Research

Moderators: Carter Van Waes, MD, PhD & Dong M. Shin, MD

Presentations and panel discussion will be held regarding emerging understanding of molecular targets and agents for head and neck squamous cell carcinoma.

HPV Targeting Through p300 - Quintin Pan, PhD

Cell Death and p53 Pathways as Potential Targets - Carter Van Waes, MD, PhD

Wee1 Targeting in p53-deficient HNSCC: Updates on Our AZD1775 Neoadjuvant Phase I Trial - Eduardo Mendez, MD

Targeted Next-Generation Sequencing Identifies Molecular Subgroups in Squamous Cell Carcinoma of the Head and Neck with Distinct Outcome After Radiochemotherapy - Inge Tinhofer, PhD

At the conclusion of this session, participants will be able to:

- Classify common genomic and molecular mechanisms as targets for therapy of head and neck cancer
- Identify classes of targeted therapeutics for critical mechanisms under preclinical and clinical investigation
- Evaluate literature and trials available for rapidly developing targeted therapeutics

Proffered Papers: Cancer Imaging

Moderators: Andy Clump, MD, PhD; June Corry, MD; & Gady Har-El, MD

S307 RESPONSE EVALUATION AFTER CHEMORADIOThERAPY FOR ADVANCED OROPHARYNGEAL SQUAMOUS CELL CARCINOMA USING 18F-FDG-PET-CT AND DIFFUSION-WEIGHTED MRI: THE REACTION STUDY
Charlotte S. Schouten, MD1, Otto S. Hoekstra1, Jonas A. Castelijns, MD, PhD1, C. René Leemans, MD, PhD1, Remco de Bree, MD, PhD1, 1VU University Medical Center, 2University Medical Center Utrecht

S308 IMPROVING SURGICAL MANAGEMENT OF HEAD AND NECK CANCER WITH 89ZR AND IRDYE800 LABELED PANITUMUMAB
Andrew Prince, BSc1, Lindsay Moore, MD1, Benjamin Kasten, PhD1, Erica Walsh, MD1, Eben Rosenthal, MD2, Jason Warram, PhD1, 1University of Alabama at Birmingham, 2Stanford University

S309 PREDICTORS OF EXTRACAPSULAR SPREAD IN HPV+ OROPHARYNGEAL CANCER
Mathew Geltzeiler, MD1, Peter Andersen, MD2, Daniel Clayburgh, MD, PhD2, Daniel Brickman, MD2, 1University of Pittsburgh Medical Center, 2Oregon Health & Science University

S310 COMPETING FACTORS COMPLICATING STUDY DESIGN FOR ORAL CANCER TRIAL - LESSONS LEARNED FROM THE COOLS TRIAL
J S Durham, MD1, Donald W Anderson, MD1, John Yoo, MD2, Rob Hart, MD3, Joseph Dort, MD, MSc4, Kevin Higgens, MD5, Hadi Seikaly, MD6, Paul Kerr, MD7, Penny Brasher, PhD1, Miriam P Rosin, PhD6, Catherine F Poh, DDS, PhD1, 1University Bristish Columbia, 2London Health Sciences Centre, 3Queen Elizabeth II Health Sciences Centre, 4University of Calgary, 5Sunnybrook Health Sciences Centre, 6Alberta Health Services, 7CancerCare Manitoba, 8Simon Fraser University
S311 A HAND-HELD DEVICE PROVIDES HIGH QUALITY, REAL-TIME PATHOLOGY USING OPTICAL COHERENCE TOMOGRAPHY
Ny Lee, BSc1, Amd Lee, PhD2, Dw Anderson, MD, FRCSc3, E Prisman, MD, FRCSc3, P Lane, PhD, PEng3, Cj Poh, DDS, PhD, FRCDc; 1Department of Oral Biological & Medical Sciences, Faculty of Dentistry, The University of British Columbia, Vancouver, Canada, 2Integrative Oncology, BC Cancer Research Centre, Vancouver, Canada, 3Head and Neck Surgery, Faculty of Medicine, The University of British Columbia, Vancouver, Canada

S312 FEASIBILITY ANIMAL STUDY OF TRIPLE FUSION IMAGE USING INDOCYANINE GREEN-TECHNETIUM-99M-PHYTATE COLLOID TECHNIQUE WITH SPECT/CT AND FLUORESCENCE IMAGING SYSTEM FOR SENTINEL LYMPH NODE DETECTION IN HEAD AND NECK REGION.
Koji Araki, MD, PhD1, Yuya Tanaka, MD1, Daisuke Mizokami, MD, PhD1, Kazunobu Ohnuki, PhD2, Arashi Fujita, RT2, Izumi O Umeda, PhD2, Shigeru Kosuda, MD, PhD2, Hirofumi Fujii, MD, PhD2, Akihiro Shiotani, MD, PhD1; 1Department of Otolaryngology-Head & Neck Surgery, National Defense Medical College, 2Division of Functional Imaging, Exploratory Oncology Research and Clinical Trial Center, National Cancer Center, 3Department of Radiology, Kouseikai General Clinic

S313 FEASIBILITY OF SURGICAL NAVIGATION IN AN INTRAPEROPERATIVELY GAMMA CAMERA-BASED ACQUIRED FREEHAND SPECT SCAN AS A TOOL TO IMPROVE INTRAOPERATIVE LESION IDENTIFICATION
Nynke S van den Berg1, Gijs H KleinJan1, Baris Karakullukcu2, Alrons J Balm, W Martin C Klop2, Fijis W van Leeuwen1; 1Leiden University Medical Center, Leiden, the Netherlands, 2The Netherlands Cancer Institute - Antoni van Leeuwenhoek Hospital, Amsterdam, the Netherlands

S314 PILOT STUDY EVALUATION OF THE OPTO-NUCLEAR PROBE, A TRUE HYBRID MODALITY THAT ALLOWS FOR COMBINED RADIO-AND FLUORESCENCE GUIDED SENTINEL NODE BIOPSY OF HEAD-AND-NECK MALIGNANCIES
Nynke S van den Berg1, Hervé Simon2, Gijs H KleinJan1, Jacques Chambron2, Bernard M Tijink3, Alrons J Balm2, Fijis W van Leeuwen1; 1Leiden University Medical Center, Leiden, the Netherlands, 2Eurorad, Strasbourg, France, 3The Netherlands Cancer Institute - Antoni van Leeuwenhoek Hospital, Amsterdam, the Netherlands

S315 FLUORESCENCE IMAGING TO LOCALIZE HEAD AND NECK SQUAMOUS CELL CARCINOMA FOR ENHANCED PATHOLOGICAL ASSESSMENT
Lidnsay S Moore, MD1, Esther de Boer, BS1, Gooitzen M van Dam, MD2, Stephanie L Bevans, BS1, Erika M Walsh, MD1, Erik S Young, PA1, William R Carroll, MD1, Todd M Stevens, MD1, Eben L Rosenthal, MD3, Jason M Warram, PhD; 1The University of Alabama at Birmingham, 2University of Groningen, the Netherlands, 3Stanford University

Proffered Papers: Oral Cavity II
Moderators: Robert J. Baatenburg de Jong, MD, PhD; Rui Fernandes, MD, DMD; & Larry L. Myers, MD

S316 ROLE OF ADJUVANT RADIOTHERAPY IN T1-2N0 STAGE II ORAL CAVITY CANCER PATIENTS: AN ANALYSIS OF 18,769 PATIENTS FROM THE NATIONAL CANCER DATABASE (NCDB).
Minh Tam Truong, MD1, Muhammad M Qureshi, MBBS, MPH2, Diana Kirke, MD1, Waleed H Ezzat, MD1, Andrew Salama, MD, DDS1, Scharukh Jalisi, MD1; 1Boston Medical Center, 2Boston University School of Medicine
S317 THE THERAPEUTIC BENEFIT OF IMMEDIATE SURGERY FOR UNRESECTABLE T4B SQUAMOUS CELL CARCINOMA OF ORAL CAVITY WITH PARTIAL OR COMPLETE RESPONSE AFTER CHEMORADIOThERAPY
Fu-Min Fang, MD1, Chih-Yen Chien, MD2; 1Department of Radiation Oncology, Kaohsiung Chang Gung Memorial Hospital and Chang Gung University College of Medicine, Kaohsiung, Taiwan, 2Department of Hematology and Oncology, Kaohsiung Chang Gung Memorial Hospital and Chang Gung University College of Medicine, Kaohsiung, Taiwan

S318 MAJOR GLOSSECTOMY -SURVIVAL AND FACTORS PREDICTING RECURRENCE WITH EMPHASIS ON TUMOUR VOLUME.
Harsh Dhar, DR, Abhay Kattepur, DR, Anil DCruz, DR; Tata Memorial Hospital, Mumbai

S319 A PROPOSAL TO REVISE THE DEFINITION OF CLOSE SURGICAL MARGINS IN SQUAMOUS CELL CARCINOMA OF THE ORAL TONGUE
Daniella K Zanoni, MD, Jocelyn Migliacci, MA, Bin Xu, MD, PhD, Nora Katabi, MD, Ian Ganly, MD, PhD, Jatin P Shah, MD, Richard J Wong, MD, Ronald A Ghossein, MD, Snehal G Patel, MD; Memorial Sloan Kettering Cancer Center

S320 DISPARITIES IN TREATMENT FOR SQUAMOUS CELL CARCINOMA OF THE ORAL CAVITY: AN ANALYSIS FROM THE NATIONAL CANCER DATA BASE
Carol Lewis, MD, MPH1, Alexandra Kyrillos2, Paul Chamberlain3, Chi-Hsiung Wang, PhD4, Mihir Bhayani, MD5; 1The University of Texas MD Anderson Cancer Center, 2NorthShore University HealthSystem, 3Baylor College of Medicine

S321 18F-FDG PET/CT SURVEILLANCE FOR THE DETECTION OF RECURRENCE AND SECOND PRIMARY CANCER IN PATIENTS WITH HEAD AND NECK SQUAMOUS CELL CARCINOMA
Shin Ae Kim, MD, Sang Hoon Lee, MD, Jong-Lyel Roh, MD, Jae Seung Kim, MD, Jeong Hyun Lee, MD, Kyung-Ja Cho, MD, Seung-Ho Choi, MD, Soon Yuhl Nam, MD, Sang Yoon Kim, MD; Asan Medical Center, Seoul, Republic of Korea

S322 TUMOR VOLUME AS AN INDEPENDENT PREDICTIVE FACTOR OF WORSE SURVIVAL IN ORAL CAVITY SQUAMOUS CELL CARCINOMA PATIENTS
André B Santos, PhD1, Chin S Lin, MD1, Evandro L Silva, MD2, Leandro L Matos, PhD3, Raquel A Moyes, PhD3, Marco Aurelio V Kulcsar4, Fabio R Pinto, PhD5, Lenine G Brandão, PhD6, Claudio R Cernea, PhD1; 1Instituto do Câncer do Estado de São Paulo (ICESP), 2University of São Paulo Medical School

S323 PER-OPERATIVE BRACHYTHERAPY FOR ORAL TONGUE CARCINOMA: PRELIMINARY RESULTS OF A PHASE II INSTITUTIONAL TRIAL.
Rami Shoukrun, MD, PhD, Michael P Hier, MD, Aleksander M Mlynarek, MD, Boris Bahoric, MD, Martin Black, MD, Khalil Sultanem; Jewish General Hospital, McGill university, Montreal.

S324 3D TUMOR VISUALIZATION BY FUSION OF CT AND MRI FOR INTEGRATION OF TUMOR MARGINS IN 3D VIRTUAL PLANNING FOR SURGICAL REMOVAL OF ORAL SQUAMOUS CELL CARCINOMA
Joep Kraeima, Bart Dorgelo, Rutger Schepers, Roel Steenbakkers, Hans Langendijk, Jan Roobenoud, Kees Pieter Schepman, Max Witjes; University Medical Center Groningen, The Netherlands
Proffered Papers: Thyroid

Moderators: Miljenko Bura, MD, PhD; Ian Ganly, MD, PhD; & Matthew Tamplen, MD

S325 FINANCIAL BURDEN OF RADIOACTIVE IODINE THERAPY FOR PAPILLARY THYROID CANCER
Zaid Al-Qurayshi, MD, MPH1, Daniah Bu Ali, MD1, Sudesh Srivastav, PhD2, Emad Kandil, MD, MBA, FACS3; 1Tulane University School of Medicine, 2Tulane University School of Public Health and Tropical Medicine

S326 ROLE OF THERAPEUTIC LATERAL NECK DISSECTION IN WELL-DIFFERENTIATED THYROID CANCER
Davide Lombardi, MD1, Alberto Paderno, MD1, Remo Accorona, MD1, Davide Giordano, MD2, Giuseppe Mercante, MD3, Diego Barbieri, MD1, Piero Nicolai, MD1, Giuseppe Spriano, MD3, Davide Mattavelli1, Simonetta Piana, MD4, Salvatore Bellafiore, MD4; 1Department of Otorhinolaryngology - Head and Neck Surgery, University of Brescia, Italy, 2Department of Otorhinolaryngology, Arcispedale “S. Maria Nuova”, Rome, Italy, 3Department of PAthology and Cytology, Arcispedale “S. Maria Nuova”, Reggio Emilia, Italy

S327 PAPILLARY THYROID CANCER MARGIN STATUS IMPACT ON SURVIVAL
Zaid Al-Qurayshi, MD, MPH1, Daniah Bu Ali, MD1, Sudesh Srivastav, PhD2, Emad Kandil, MD, MBA, FACS1; 1Tulane University School of Medicine, 2Tulane University School of Public Health and Tropical Medicine

S328 VALIDITY OF AMERICAN THYROID ASSOCIATION GUIDELINES FOR CYTOLOGIC EVALUATION OF THYROID NODULES BASED ON SIZE
Muhammad Anwar, Postdoctoral, Research, Fellow, Mohammed Alshehri, Fadi Murad, Zaid Al-Qurayshi, Daniah Bu Ali, MD, Tilak Malik, Tina Thethi, Emad Kandil; Tulane University School of Medicine

S329 LONG-TERM OUTCOMES OF SALVAGE LATERAL NECK DISSECTION IN PATIENTS WITH WELL-DIFFERENTIATED THYROID CANCER
Steven B Chinn, MD, MPH1, Steven G Waguespack, MD2, Beth S Edeiken, MD3, Gary L Clayman, DMD, MD2; 1The University of Texas, MD Anderson Cancer Center, Department of Head and Neck Surgery, 2The University of Texas, MD Anderson Cancer Center, Department of Endocrine Neoplasia and Hormonal Disorders, 3The University of Texas, MD Anderson Cancer Center, Department of Radiology

S330 OUTCOMES IN TOTAL THYROIDECTOMY: A PROSPECTIVE, RISK-ADJUSTED ANALYSIS FROM THE NATIONAL SURGICAL QUALITY IMPROVEMENT PROGRAM
Lisa Caulley, MD, MPH, Hedyeh Javidnia, MD, FRCSC, Stephanie Johnson-Obaseki, MD, FRCSC; University of Ottawa Department of Otolaryngology

S331 CENTRAL COMPARTMENT MANAGEMENT IN PATIENTS WITH PAPILLARY THYROID CANCER PRESENTING WITH METASTATIC DISEASE TO THE LATERAL NECK: ANATOMIC PATHWAYS OF LYMPHATIC SPREAD
Laura L. Dos Reis, Ilya Likhterov, Mark Urken; Mount Sinai Beth Israel

S332 TOTAL THYROIDECTOMY VS SURVEILLANCE IN BENIGN MULTINODULAR GOITER: A COST ANALYSIS
Amarbir S Gill, MD1, Frederick Lindahl, PhD2, Arjun S Joshi, MD2; 1University of California Davis, Department of Otolaryngology, 2The George Washington University, School of Business, 3The George Washington University, Department of Otolaryngology
S333 LATERAL NECK DISEASE IN PATIENTS WITH SPORADIC MEDULLARY THYROID CANCER
Israel Pena, MD1, Gary Clayman, MD2, Elizabeth G Grubbs, MD3, Jeffrey Lee, MD3, Steven I Sherman, MD4, Steven G Waguespack, MD4, Ramona Dadu, MD4, Mimi I Hu, MD4, Erich M Sturgis, MD2, Mark E Zafereo, MD2; 1Otolaryngology - Head and Neck Surgery, Baylor College of Medicine, Houston, TX, United States., 2Head and Neck Surgery, MD Anderson Cancer Center, Houston, TX, United States., 3Surgical Oncology, MD Anderson Cancer Center, Houston, TX, United States, 4Endocrinology, MD Anderson Cancer Center, Houston, TX, United States

Proffered Papers: Potpourri III

S334 PATIENT SPECIFIC FIBULAR RECONSTRUCTION: VIRTUALLY PLANNED BONY AND SOFT TISSUE RECONSTRUCTION.
Mohammed Qaisi, DMD, MD1, Rabi Shanti, MD2, Ravi Chandran, DMD, PhD1, Ronald Caloss, DDS, MD1; 1University of Mississippi Medical Center, 2University of Mississippi Medical Center

S335 PERFORMANCE OF A NOVEL BIOENGINEERED SCAFFOLD FOR PERIPHERAL NERVE REPAIR IN A FACIAL NERVE RODENT MODEL
Nate Jowett, MD1, Fioleda Prifti, BSc2, Christopher J Knox, BSc1, Robert A Gaudin, MD1, Joseph M Rosen, MD1, Cathryn Sundback, ScD1, Ulrike W Wegst, PhD2; 1Dept. of Otolaryngology - Massachusetts Eye and Ear / Harvard Medical School, 2Thayer School of Engineering, Dartmouth College, 3Department of Surgery - Geisel School of Medicine / Dartmouth-Hitchcock Medical Center, 4Department of Surgery - Massachusetts General Hospital / Harvard Medical School

S336 THE PRACTICALITY OF 3D PRINTING FOR MANDIBULAR RECONSTRUCTION
Jessica Prasad, Dr, Allison Partridge, David Yeh MD, FRCS, Kevin Fung, Dr, Anthony Nichols, Danielle MacNeil, Dr, John Yoo, Dr; Victoria Hospital, London Health Sciences Centre, London, Ontario. (Western University)

S337 TONGUE MOBILITY ASSESSMENT IN ORAL CANCER PATIENTS USING A NEW 3-D MEASUREMENT TOOL: TOWARDS A PREDICTIVE MODEL.
S. van Diik, MD1, M.j.a. van Alphen, MSc, PhD1, L.e. Smeele, MD, PhD2, F. van der Heijden, MSc2, A.j.m. Balm, MD, PhD2; 1The Netherlands Cancer Institute-Antoni van Leeuwenhoek Hospital, Amsterdam, 2MIRA Institute for Biomedical Technology and Technical Medicine, University of Twente, Enschede, The Netherlands

S338 FROZEN SECTION IS NOT COST BENEFICIAL FOR ASSESSMENT OF MARGIN IN ORAL CANCER
Pankaj Chaturvedi, Prof, Sourav Datta, Dr, Yogesh More, Dr, Aseem Mishra, Dr, Pranav Ingole, Dr, Deepa Nair, Dr, Sudhir Nair, Dr, Anil D'Cruz, Prof, Shubhada Kane, Prof; Tata Memorial Hospital, Mumbai

S339 EVALUATION OF BONE RESECTION MARGINS OF SEGMENTAL MANDIBULECTOMY FOR ORAL SQUAMOUS CELL CARCINOMA
Rwh Smits, I ten Hove, Eac Dronkers, Gj Puppels, Rj Baatenburg de Jong, Eb Wolvius, S Koljenovic; Erasmus MC University Medical Center, Rotterdam, The Netherlands

S340 OCCULT MALIGNANCY IN TONSILLECTOMY SPECIMENS - WHEN TO REMOVE ASYMMETRICAL TONSILS
Neil Sharma, MBChB, PhD, FRCS(ORL-HNS)1, Paul Nankivel, BMChB, PhD, FRCS1, Christopher Jennings, FRCS2; 1University of Birmingham, 2University Hospital Birmingham

July 16 - 20, 2016 · www.ahns.info 151
Scientific Session  Tuesday, July 19, 2016

S341 MULTIDISCIPLINARY TREATMENT INCLUDING SELECTIVE INTRA-ARTERIAL CISPLATIN INFUSION FOR OROPHARYNGEAL CANCER OF LATERAL WALL
Yukio Nomoto, Takashi Matsuzuka, Satoshi Sajiyo, Sou Sato, Hirohito Sato, Yuta Nakegawa, Tetsuro Kobayashi, Masakazu Ikeda, Mika Nomoto, Masahiro Suzuki, Takamichi Matsui; Fukushima Medical University

S342 PAROTIDECTOMY VIA INDIVIDUALIZED MINIBLAIR INCISION
Avi Hefetz - Khafif, Victoria Holestenco, MD, Roi Barnea, pHd, Azoulay Ofer, MD; Assuta Medical Center, Tel Aviv, Israel

Proffered Papers: Metastasis

Moderators: Kevin T. Brumund, MD; William R. Ryan, MD

S343 LYMPH NODE DENSITY AS A PREDICTOR OF OUTCOMES IN HEAD AND NECK SQUAMOUS CELL CARCINOMA IN THE VETERAN POPULATION.
Matthew L. Pierce, MD, Thomas Kaffenberger, BS, Catherine Lumley, MD, Jessica Maxwell, MD; Georgetown University Hospital

S344 COST-EFFECTIVENESS ANALYSIS OF ELECTIVE NECK DISSECTION IN PATIENTS WITH CLINICALLY NODE NEGATIVE ORAL CAVITY CANCER
Joseph R Acevedo, BS1, Katherine E Fero, BS1, Bayard Wilson, BS1, Charles Coffey, MD2, James D Murphy, MD, MS3; 1School of Medicine, University of California, San Diego, 2Division of Head and Neck Surgery, University of California, San Diego, 3Department of Radiation Medicine, University of California, San Diego

S345 PREDICTIVE VALUE OF LEVEL I-III LYMPH NODE YIELD FOR THE NECESSITY OF ADJUVANT RADIOTHERAPY IN TONGUE CANCER
Zhien Feng, Zhengxue Han; Beijing Stomatological Hospital, Capital Medical University

S346 TRANSORAL ROBOTIC-ASSISTED SURGERY FOR HEAD AND NECK SQUAMOUS CELL CARCINOMA: 5-YEAR SURVIVAL ANALYSIS
Julia A Crawford, MBBS, FRACS1, Hiliary N White, MD2, Thomas K Chung, MD3, Eric J Moore, MD4, Ryan Jackson, MD5, Lauren Kendall6, William Carroll, MD7, Eben Rosenthal, MD8, J Scott Magnuson, MD9; 1St Vincent’s Hospital, Sydney, 2Baptist Medical Group, 3University of Alabama Birmingham, 4Mayo Clinic Rochester, 5Washington University, 6University of Central Florida, 7Stanford Cancer Center, 8Florida Hospital

S347 PROGNOSTIC SIGNIFICANCE OF CLINICOPATHOLOGICAL FEATURES AND CELL CYCLE AND LOCAL INVASION PROTEINS IN ORAL SQUAMOUS CELL CARCINOMA AFFECTING YOUNG PATIENTS - A CASE-CONTROL STUDY
Marisol Miranda Galvis, MSc1, Alan Roger Santos-Silva, PhD1, Felipe Paiva Fonseca, PhD1, Marcio A. Lopes, PhD1, Oslei P. Almeida, PhD1, Clóvis A. Lópes Pinto, PhD2, Estela Kaminagakura, PhD3, Paul M. Speight,, PhD4, Iris Sawazaki-Calone, PhD5, Luiz Paulo Kowalski,, PhD5; 1Department of Oral Diagnosis, Piracicaba Dental School, University of Campinas, Piracicaba, Brazil., 2Department of Anatomic Pathology, AC Camargo Cancer Center, São Paulo, Brazil., 3Department of Bioscience and Oral Diagnosis, Science and Technology Institute, UNESP- Univ Estadual Paulista, São José dos Campos, Brazil., 4Academic Unit of Oral and Maxillofacial Pathology, School of Clinical Dentistry, The University of Sheffield, Sheffield, UK., 5Oral Pathology and Oral Medicine, Dentistry School, Western Paraná State University, Cascavel, Brazil., 6Department of Head and Neck Surgery and Otorhinolaryngology, AC Camargo Cancer Center, São Paulo, Brazil.
### Scientific Session  Tuesday, July 19, 2016

**S348 BILATERAL NECK DISSECTION IN THYROID CANCER: A COMPREHENSIVE REVIEW OF COMPLICATIONS FROM A SINGLE HIGH-VOLUME CENTER**  
Caitlin McMullen, MD¹, Daniel Rocke, MD, JD², Jeremy Freeman, MD, FRSCS, FACS¹; ¹University of Toronto, ²Duke University

**S349 ENDOSCOPIC ASSISTED SELECTIVE NECK DISSECTION VIA SMALL LATERAL NECK INCISION FOR EARLY-STAGE (T1-2N0M0) HEAD AND NECK SQUAMOUS CELL CARCINOMA: 3-YEAR FOLLOW-UP RESULTS**  
Faya Liang, MM, Song Fan, MD, Ping Han, MD, Qian Cai, MD, Peiliang Lin, MD, Renhui Chen, Shitong Yu, Xiaoming Huang, MD; Sun Yat-sen Memorial Hospital, Sun Yat-sen University

**S350 SHIFTING PARADIGMS IN THE SURGICAL MANAGEMENT OF PHARYNGOESOPHAGEAL TUMOURS**  
Velda Chow, MD, MS; The University of Hong Kong

**S351 A MODEL OF REGIONAL TUMOR METASTASIS OF SQUAMOUS CELL CARCINOMA OF THE TONGUE**  
Anthony B Law, MD, PhD, Hyunggu Jung, MS, MMath, Lucy L Wang, MS, Aaron Kusano, MD, MS, Mark E Whipple, MD, MS; University of Washington

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>3:00 pm - 3:30 pm</td>
<td>Break in Exhibit Hall</td>
</tr>
<tr>
<td>3:30 pm - 5:00 pm</td>
<td>PANELS OR PROFFERED PAPERS</td>
</tr>
</tbody>
</table>

**Panel: Systemic Therapy for Rare Head and Neck Cancers**  
Moderator: Lillian L. Siu, MD

In this session, systemic therapy including novel agents for the treatment of less common head and neck cancers, such as aggressive salivary gland cancers, RAI resistant thyroid cancers, malignant melanoma, adenoid cystic and salivary gland cancers will be discussed.

- Aggressive Salivary Gland Cancers - David J. Adelstein, MD
- RAI resistant Thyroid Cancer - Marcia Brose, MD, PhD
- Melanoma of the Head and Neck: Systemic Therapy for a Systemic Disease - Shailender Bhatia, MD

At the conclusion of this session, participants will be able to:

- Understand the characteristics of different rare disease types of the head and neck.
- Distinguish existent and novel systemic therapies for different rare diseases of the head and neck.
- Gather knowledge about existent and new clinical trials for different rare diseases of the head and neck.

**Panel: Management of Larynx/Hypopharynx Cancer**  
Moderator: June Corry, MD

The aim of this session is to better understand the optimal management for individual patients with larynx and hypopharynx cancer, concentrating on advanced disease.

- Introduction - June Corry, MD
- Open Surgical Approaches - Peter E. Andersen, MD
- TALC Trial Results - Bevan Yueh, MD
Scientific Session  Tuesday, July 19, 2016

Nonsurgical Management -  Jonathan J. Beitler, MD, MBA, FACR
Conclusion -  June Corry, MD

At the conclusion of this session, participants will be able to:

• Compare the advantages and disadvantages of the current treatment modalities in advanced larynx and hypopharynx cancer

• Identify the limitations of various research techniques and publications

• Formulate an accurate management plan for the patients presenting to their clinical practice.

Panel: Challenges in Head and Neck Reconstruction: Now and the Future

Moderators: Ralph W. Gilbert, MD & Mark K. Wax, MD

The session will use a case management format to discuss complex reconstructive issues and problems. Starting with scalp and skull base, the session will present issues that face reconstructive surgeons as they deal with mandibular, maxillary, airway, age and other issues.

Introduction -  Mark K. Wax, MD
Complex Reconstruction in the Elderly -  Mark K. Wax, MD
Complex Maxillary Reconstruction -  Ralph W. Gilbert, MD
Complex Skull Base Reconstruction -  James S. Brown, MD
Complex Airway Reconstruction -  Mark L. Urken, MD
Complex Clival Reconstruction -  Brian B. Burkey, MD, Med

At the conclusion of this session, participants will be able to:

• Compare the various reconstructive options available for the elderly patient who is undergoing composite tissue ablation for head and neck cancer.

• Develop a treatment paradigm for defects of the maxilla

• Assess the role of 3D modeling in the reconstruction of the patient with a mandibular defect

Proffered Papers: Radiotherapy

Moderators: Wendy Hara, MD; Upendra Parvathaneni, MD; & Eddy S. Yang, MD, PhD

S360 RADIATION-INDUCED MICROPASCULAR INJURY AS A MECHANISM OF SALIVARY GLAND HYPOFUNCTION AND POTENTIAL TARGET FOR RADIOPROTECTORS
Aviram Mizrachi, MD1, Ana P Cotrim, DDS, PhD2, Marcel Verheij, MD, PhD2, Nora Katabi, MD1, James B Mitchell, PhD2, Adriana Haimovitz-Friedman, PhD2; 1Memorial Sloan-Kettering Cancer Center, 2National Cancer Institute, Radiation Biology Branch, Center for Cancer Research

S361 SUPERSELECTIVE INTRA-ARTERIAL CISPLATIN INFUSION WITH CONCOMITANT INTENSITY MODULATED RADIATION THERAPY FOR MAXILLARY SINUS CANCER
Masato Shino, Minoru Toyoda, Osamu Nikkuni, Yukihiro Takayasu, Kazuaki Chikamatsu; Department of Otolaryngology-Head & Neck surgery, Gunma University Graduate School of Medicine
S362 RECURRENT HEAD AND NECK CANCER: OUTCOMES FOLLOWING SALVAGE SURGERY AND ADJUVANT INTENSITY MODULATED RE-IRRADIATION

Vinita Takiar, MD, PhD1, Adam S Garden, MD2, David I Rosenthal, MD2, Mark Zafeero, MD2, Randall S Weber, MD2, Jack Phan, MD, PhD2; 1University of Cincinnati, 2University of Texas, MD Anderson Cancer Center

S363 QUALITY OF LIFE AND LOCOREGIONAL DISEASE CONTROL FOLLOWING STEREOTACTIC BODY RADIATION THERAPY IN PREVIOUSLY IRRADIATED RECURRENT HEAD AND NECK CANCER

Maged Ghaly, MD, Bingchan Zhang, MD, Anurag Sharma, Gurtej Gill, Mihaela Marrero, Sewit Teckie, MD, Doru Paul, MD; Hofstra Northwell School of Medicine

S364 ADJUVANT RADIATION THERAPY FOR ORAL CAVITY AND OROPHARYNGEAL CANCER PATIENTS WITH N1 DISEASE

Michelle M Chen, MD1, Jeremy P Harris, MD1, Wendy Harra, MD1, Davud Sirjani2, Vasu Divi, MD2; 1Stanford University, 2Stanford University / Palo Alto VA

S365 ROLE OF ADJUVANT CHEMORADIOThERAPY IN T4N0 STAGE IV ORAL CAVITY CANCER PATIENTS: AN ANALYSIS OF 4,089 PATIENTS FROM THE NATIONAL CANCER DATABASE (NCDB).

Diana Kirke, MD1, Muhammad M Qureshi, MBBS, MPH; 1University of Cincinnati

S366 ADJUVANT RADIOACTIVE IODINE VERSUS EXTERNAL BEAM RADIATION IN STAGE IV DIFFERENTIATED THYROID CARCINOMA: A COMPARISON OF SURVIVAL OUTCOMES

Zao Yang, MD, Jose Flores, PhD, MPH, Sanford Katz, MD, Cherie-Ann Nathan, MD, FACS, Vikas Mehta, MD, MPH, FACS; Louisiana State University - Shreveport

S367 SINGLE CYCLE INDUCTION CHEMOTHERAPY FOR RESECTABLE ADVANCED HYPOPHARYNGEAL CANCER

Torahiko Nakashima, MD, Ryuji Yasumatsu, MD, Rynosuke Kogo, Hideoki Uryu, Takashi Nakagawa; Kyushu University

S368 ROLE OF EPHB4 IN RADIosensITIZATION OF HEAD AND NECK SQUAMOUS CELL CARCINOMA

Shilpa Bhatia, PhD1, Kellen Hirsch, BS1, Jaspreet Sharma, PhD1, Stephen Keysar1, Antonio Jimeno, MD, PhD1, Parkash Gill, MD2, Xiao-Jing Wang, MD, PhD2, Sana D Karam, MD, PhD1; 1University of Colorado, Anschutz Medical Campus, 2University of Southern California

Proffered Papers: Oral Cavity III

Moderators: Ayman A. Amin, MD & Joseph Helman, DMD

S369 A PROSPECTIVE STUDY EVALUATING PATTERNS OF TUMOR RESPONSE FOLLOWING NEOADJUVANT CHEMOTHERAPY IN LOCALLY ADVANCED ORAL CAVITY CANCERS

Anuja D Deshmukh, Shubhada Kane, Asawari Patil, Harsh Dhar, Rakesh Katna, Devendra Chaukar, Pankaj Chaturvedi, Prathmesh Pai, Gouri Pantvaidya, Deepa Nair, Sudhir Nair, Sarbani Laskar, Jaiprakash Agarwal, Supreeta Arya, Shashikant Juvekar, Amit Joshi, Kumar Prabhath, Anil D’Cruz; Tata Memorial Centre

S370 LIHCNs (LUGOL’S IODINE IN HEAD AND NECK CANCER SURGERY) A UK MULTICENTRE PROSPECTIVE RANDOMISED CONTROLLED TRIAL. REPORT OF PRIMARY AND SECONDARY OUTCOME MEASURES.

James A McCaul, PhD, FRCSOMFS, FRCS, FIBCSOMS, FDSRCPs.
Scientific Session

Tuesday, July 19, 2016

MB1, David Gouldesbrough, FRCPath, MBchB2, Max Robinson, PhD, MSc, FRCPath, FDSRCS, BDS3, Jeremy D McMahon, FRCSOMFS, FRCS, FDSRCPs, MBBS, BDS4, Janet Dunn, PhD, MSc, BSc; 1The Royal Marsden, 2Bradford Teaching Hospital NHS Foundation Trust, 3University of Newcastle, 4Regional Maxillofacial Unit, Queen Elizabeth University Hospital, Glasgow UK, 5University of Warwick Clinical Trials Unit

S371 SIZE MATTERS IN T4A ORAL SQUAMOUS CELL CARCINOMA WITH MANDIBLE INVASION: AN ANALYSIS OF PROGNOSIS AND THE ROLE FOR ADJUVANT RADIATION THERAPY
Andrew Walls1, Andres Bur, MD2, Robert M Brody, MD2, Alexander Lin, MD2, Gregory Weinstein, MD2; 1Georgetown University School of Medicine, 2Hospital of the University of Pennsylvania

S372 TUMOR THICKNESS AND DEPTH OF INVASION AS NECK METASTASES PREDICTORS AND POTENTIAL STAGING PARAMETERS IN T1 ORAL CANCER
Saad Baqai, MD, Norbert Sule, MD, Wei Tan, Hassan Arshad, MD, Mary Platek, PhD, Mihai Merzianu, MD; Roswell Park Cancer Institute

S373 THE ROLE OF SURGERY IN BORDERLINE INOPERABLE/T4B HEAD AND NECK CANCERS - DISEASE AND FUNCTIONAL OUTCOME ASSESSMENT
Girish Shetkar, MDS, Fellowship, Head, Neck, Surgery, Nirav Trivedi, MS, MCh, Nishant Upadhyay, MDS, Fellowship, Head, , Neck, Surgery, Narayana Multispecialty Hospital

S374 PREDICTORS OF OCCULT NODAL DISEASE IN ORAL CAVITY SQUAMOUS CELL CARCINOMA, AN ANALYSIS OF 34,906 CASES.
Kevin Y Zhan, MD, Patrick F Morgan, MD, David M Neskey, MD, Andrew T Huang, MD, Terry A Day, MD; Medical University of South Carolina

S375 CLINICAL CORRELATION OF DYSPHASIC SURGICAL MARGINS IN HEAD AND NECK SQUAMOUS CELL CARCINOMA
Yohanes Ting, MBBS (Spore), MRCS (Edin)1, Nadia Azlan2, Pei Yuan Fong2, Donovan Eu1, Chwee Ming Lim1; 1National University Health System Singapore, 2National University of Singapore

S376 DYNAMIC OPTICAL CONTRAST IMAGING (DOCI) AS A NOVEL MODALITY TO RAPIDLY DISTINGUISH ORAL SQUAMOUS CELL CARCINOMA FROM SURROUNDING NORMAL TISSUE
Maie St. John, Zachary Taylor, PhD, Harrison Cheng, BS, Warren Grundfest, MD; UCLA

S377 POTENTIAL IMPROVEMENT OF ONCOLOGICAL TONGUE RESECTIONS, USING AN IN VITRO RAMAN-SPECTROSCOPY BASED TUMOR VERSUS SUBEPITHELIAL HEALTHY TISSUE CLASSIFICATION MODEL
Froukje Cals, Tom Bakker Schut, Roeland Smits, José Hardillo, Robert J. Baatenburg de Jong, Senada Koljenovic, Gerwin Puppels; Erasmus MC

Proffered Papers: Outcomes/Quality of Life II

Moderators: Athanasios Arigiris, MD; Rogerio A. Dedivitis, MD; & Laurence J. Dinardo, MD

S378 IMPACT OF PATIENT-CENTERED HEAD & NECK CLINICAL PATHWAY ON HCAHPS PATIENT SATISFACTION WITH IMPLICATIONS FOR VALUE-BASED PURCHASING
Kelly M Malloy, MD1, Robert J Morrison, MD1, Carrie Phillips, BSN, MSN1, Karen C McConnell, BSN, MPH1, Douglas B Chepeha, MD, MSPH1, Carol R Bradford, MD; 1University of Michigan, 2University of Toronto
Scientific Session  
Tuesday, July 19, 2016

S379 CONSENSUS REVIEW OF OPTIMAL PERIOPERATIVE CARE IN MAJOR HEAD AND NECK SURGERY WITH FREE FLAP RECONSTRUCTION  
Joseph C Dort, MD¹, D. Gregory Farwell, MD², Merran Findlay, MSC³, Gerhard Huber, MD⁴, Paul Kerr, MD⁵, Melissa Shea-Budgell, MSC⁶, Christian Simon, MD⁶, Jeffrey Uppington, MD, David Zygun, MD⁷, Olle Ljungqvist, MD⁸, Jeffrey Harris, MD⁹; ¹University of Calgary, ²University of California Davis, ³Royal Prince Alfred Hospital, Sydney, ⁴University of Zurich, ⁵University of Manitoba, ⁶University Hospital of Lausanne, ⁷University of Alberta, ⁸Orebro University

S380 SYSTEMATIC ASSESSMENT OF PUBLICLY AVAILABLE QUALITY AND OUTCOME METRICS FOR HEAD AND NECK CANCER CARE IN THE UNITED STATES  
Ankit Kansal, Saral Mehra, MD; Yale University

S381 IMPROVING QUALITY METRICS AFTER MAJOR HEAD AND NECK AND RECONSTRUCTIVE SURGERY: A CONNECTED CARE PATHWAY PILOT STUDY  
Samuel J Trosman, MD, Conor M Devine, MD, Brian B Burkey, MD, Eric D Lamarre, MD; Cleveland Clinic Foundation

S382 SMOKING AS A RISK FACTOR FOR 30-DAY READMISSION IN PATIENTS UNDERGOING NECK DISSECTION  
Garren M Low¹, Braden McKnight¹, Nancy Wang², Niels Kokot, MD¹, Arnaud Bewley³; ¹Keck Medicine of USC, ²University of California, ³Davis

S383 THE IMPACT OF TREATMENT ON QUALITY OF LIFE OF PATIENTS WITH HEAD AND NECK CANCER AND ITS ASSOCIATION WITH PROGNOSIS  
Jose F Carrillo¹, Liliana C Carrillo, MD¹, Margarita C Ramírez, PhD², Luis F Oñate-Ocaña, MD³; ¹Instituto Nacional de Cancerología, ²Instituto Nacional de Cardiología Ignacio Chavez

S384 CLASSIFYING COMPLICATION SEVERITY AFTER HEAD AND NECK SURGERY: AN ANALYSIS OF THE AMERICAN COLLEGE OF PHYSICIANS NATIONAL SURGICAL QUALITY IMPROVEMENT PROGRAM DATA  
Carolyn L Mulvey, MD, Andrées M Bur, MD, Robert M Brody, MD, Jason G Newman, Steven B Cannady, MD, Jason A Brant; Hospital of the University of Pennsylvania

S386 EVALUATION OF QUALITY METRICS FOR SURGICALLY-TREATED LARYNGEAL SQUAMOUS CELL CARCINOMA  
Evan M Graboyes, MD, Melanie E Townsend, MD, Dorina Kallogjeri, MD, MPH, Jay F Piccirillo, MD, FACS, CPI, Brian Nussbaum, MD, FACS; Washington University School of Medicine

Proffered Papers:  
New Therapeutic Targets II  
Moderators: Edward C. Gabalski, MD; Michael Gibson, MD, PhD; & Richard J. Wong, MD

S387 DEVELOPING COMBINATION ANTI-EGFR THERAPIES THROUGH THE GENERATION OF GENOME-WIDE CRISPR-CAS9 MEDIATED KNOCKOUT LIBRARIES IN HEAD AND NECK CANCER CELL LINES  
Megan L Ludwig, Andrew C Birkeland, MD, Andi K Cani, Daniel H Hoelsnzel, Susan K Foltin, Thomas E Carey, PhD, Carol R Bradford, MD, Matthew E Spector, MD, Scott A Tomlins, MD, PhD, J. Chad Brenner, PhD; University of Michigan

S388 RECRUITMENT OF PATIENTS INTO HEAD AND NECK CLINICAL TRIALS: ACCEPTABILITY OF STUDIES BY PATIENTS FROM THE RESEARCH TEAM’S PERSPECTIVE  
Michael W Ho, Prof¹; Janet Johnson, RN², Andrew Pick, RN², Jacqueline Quantrill, Mrs³, Kayleigh Gilbert³, James McCaul, Prof³; ¹Leeds Teaching Hospitals NHS Trust, ²Bradford Institute of Health Research, ³Northwick Park Hospital, ⁴Royal Marsden Hospital
Scientific Session  Tuesday, July 19, 2016

S389 TARGETING IL-6 SIGNALING WITH BAZEDOXIFENE FOR THE TREATMENT OF HEAD AND NECK SQUAMOUS CELL CARCINOMA
Arti Yadav, MS, Bhavna Kumar, MS, Theodoros N Teknos, MD, Pawan Kumar, MS, PhD; Department of Otolaryngology-Head and Neck Surgery, The Ohio State University, Columbus, OH

S390 PHASE IIIB TRIAL COMPARING TWO CONCURRENT CISPLATIN SCHEDULUES IN LOCALLY ADVANCED HEAD AND NECK CANCER
Cessal T Kainickai, MD, Rejnish R Kumar, MD, Lekha M Nair, MD, Malu M Rafi, DNB, Ramadas Kunnambath, MD, PhD; Regional Cancer Centre, Trivandrum

S391 EFFICACY AND FEASIBILITY OF CONCOMITANT CHEMORADIOThERAPY USING DOCETAXEL, CISPLATIN AND 5-FU (TPF) FOR THE PATIENTS WITH ADVANCED SQUAMOUS CELL CARCINOMA OF THE HEAD AND NECK
Kiyoto Shiga, MD, Katsunori Katagiri, MD, Daisuke Saitoh, MD, Shinichi Oikawa, MD, Aya Ikeda, MD; Iwate Medical University

S392 TARGETED DELIVERY OF THE ALPHA-SPECIFIC INHIBITOR OF PI3K BYL719 FOR RADIOSENSITIZATION OF HEAD AND NECK SQUAMOUS CELL CARCINOMA
Aviram Mizrachi, MD, Yosef Shamay, PhD, Samuel Brook, BA, Janki Shah, MSc, José Baselga, MD, PhD, Daniel A Heller, PhD, Adriana Haimovitz-Friedman, PhD, Maurizio Scarlatti, PhD; Memorial Sloan-Kettering Cancer Center

S393 ANTI-TUMOR ACTIVITY OF SMAC MIMETIC BIRINAPANT IS ENHANCED BY TNF-A AND TRAIL IN PRECLINICAL MODELS OF HNSCC: FADD AS A POTENTIAL BIOMARKER
Adeeb Derakhshan, Sophie Carlson, Anthony Saleh, Hui Cheng, James Mitchell, Christina Annunziata, Zhong Chen, Carter Van Waes; National Institutes of Health

S394 PARP-1 FACILITATES HPV16 INFECTION AND CARCINOGENESIS IN OROPHARYNGEAL SQUAMOUS CELL CARCINOMA
Andrew B Sewell, MD, Asel Bitasova, MD, PhD, Michael Hajek, BS, Cyril Gary, BS, Wendell G Yarbrough, MD, MMHC, Natalie Issaeva, PhD; Yale University

Proffered Papers: Larynx I

Moderators: Lana L. Jackson, MD; Ellie Maghami, MD; & Michiel Van Den Brekel, MD, PhD

S352 THE ROLE OF THE IMAGING STUDIES IN THE FOLLOW UP OF INTERMEDIATE-ADVANCED STAGE (T2-T3) LARYNGEAL CARCINOMAS TREATED BY TRANSORAL LASER MICROsURGERY.
Filippo Marchi, MD; Giovanna Gaggero, MD, Sara Penco, MD, Gregori Santori, PhD, MD, Luca Guastini, MD, Giorgio Peretti, MD; 1Department of Otorhinolaryngology Head and Neck Surgery, University of Genoa, 2Department of Surgical Sciences and Integrated Diagnostics, University of Genoa

S354 HIGH INTRA-TUMOR GENETIC HETEROGENEITY IS RELATED TO SHORTER OVERALL SURVIVAL IN SURGICALLY TREATED, MARGIN-NEGATIVE, STAGE II AND III LARYNGEAL SQUAMOUS CELL CARCINOMA
James Bekeny, MD; Jorge Toro-Zapata, BSc; Edmund Mroz, PhD; James Rocco, MD, PhD; 1Department of Otolaryngology - Head and Neck Surgery, and the James Cancer Hospital and Solove Research Institute, The Ohio State University, Columbus, OH, 2Biomedical Sciences Graduate Program, The Ohio State University, Columbus, OH
Scientific Session  Tuesday, July 19, 2016

S355 RELATIONSHIP OF PRE-TREATMENT TRACHEOTOMY IN ADVANCED LARYNGEAL SQUAMOUS CELL CARCINOMA ON ONCOLOGIC SURVIVAL AND FUNCTIONAL OUTCOMES IN A MULTI-INSTITUTIONAL COHORT
Serena A Byrd, MD1, Mary Xu2, Matt Naunheim2, Daniel Wehrmann1, John Dombrowski1, Ronald Walker1, Kara Christopher1, Lori Wirth3, John Clark3, Paul Busse4, Annie Chan5, Dan Deschler6, Kevin Emerick2, Derek Lin5, Mark A Varvares, MD5; 1Saint Louis University, 2Harvard

S356 OUTCOMES FOLLOWING LARYNGECTOMY REFUSAL AFTER INSUFFICIENT RESPONSE TO INDUCTION CHEMOTHERAPY IN A LARYNX PRESERVATION PROTOCOL FOR SQUAMOUS CELL CARCINOMA OF THE LARYNX
Philippe Gorphe, MS, MSc, Margarida Matias, MD, Pierre Blanchard, MD, PhD, Antoine Moya-Plana, MD, MSc, Caroline Even, MD, MSc, Yungan Tao, MD, PhD, François Bidault, MD, PhD, Stéphane Temam, MD, PhD, François Janot, MD; Gustave Roussy Cancer Center

S357 OVERALL SURVIVAL FOR T4 LARYNX CANCER DOES NOT SIGNIFICANTLY DIFFER BETWEEN LARYNGECTOMY WITH RADIOTHERAPY AND INDUCTION CHEMOTHERAPY WITH RADIOTHERAPY, A NATIONAL CANCER DATA BASE ANALYSIS
William A Stokes, MD, Bernard L Jones, PhD, Sana D Karam, MD, PhD; University of Colorado Denver

S358 EXAMINATION OF LARYNGEAL PRESERVATION SURGERY FOR HYPOPHARYNGEAL CANCER
Shinkichi Morita, Kazuto Matuura, Shun Wakamori, Takayuki Imai, Yukinori Asada; Miyagi Cancer Center

S359 RISK FACTORS FOR PHARYNGOCUTANEOUS FISTULA FOLLOWING PRIMARY AND SALVAGE TOTAL LARYNGECTOMY: DOES THE EXTENT OF NECK DISSECTION INCREASES THE INCIDENCE OF FISTULA FORMATION?
Ariel Roitman, MD, Tal Honigman, MD, Yoav Yanir, MD, Ilana Doweck, MD; Lady Davis Carmel Medical Center; Haifa, Israel

5:15 pm - 6:30 pm  Fellowship Information Session  Tahoma 1

5:15 pm - 6:30 pm  Bristol-Myers Squibb Satellite Symposium: Immuno-Oncology: Emerging Research in Head and Neck Cancers
This is a NON-CME activity and was not planned by AHNS. AHNS takes no responsibly for the content.

7:15 pm - 9:30 pm  AHNS President’s Reception at Experience Music Project
Continual shuttle service is available for the duration of the event. Shuttles will begin loading at 6:45pm outside the entrance to the Convention Center on Convention Place.
Scientific Session  Wednesday, July 20, 2016

Wednesday, July 20, 2016

7:30 am - 8:15 am  Ethics and Professionalism Symposium  4F

Moderators: Susan D. McCammon, MD & Andrew G. Shuman, MD

- Personalized Medicine: Risk Tolerance and Stratification - Andrew G. Shuman, MD
- Un-cancering the Thyroid - Brendan C. Stack, MD
- The Evolving Role of the Surgeon in Palliative Care - Susan D. McCammon, MD
- Escalating Support for Providers in the Modern Era - Michael Stadler, MD

8:15 am - 8:30 am  Closing Comments  4F

Robert L. Ferris, MD, PhD; Jonathan Irish, MD; and Jeffrey N. Myers, MD, PhD

8:30 am - 9:15 am  Christopher O’Brien Lecture  4F

The Right to Look Human: Head and Neck Surgery in the Developing World

Mark G. Shrime, MD, MPH, PhD
Massachusetts Eye and Ear Infirmary, Harvard Medical School
Boston, MA

Introduction by: Cherie-Ann O. Nathan, MD, FACS

9:15 am - 9:30 am  Break in Foyer

9:30 am - 11:00 am  PANELS OR PROFFERED PAPERS  4F

Proffered Papers: Skin Cancer and Salivary Gland
Moderators: Shamit Chopra, MD, MBBS, MS

S395 TMEM16A/ANO1 INHIBITS APOPTOSIS BY DOWN-REGULATING BIM EXPRESSION
Neal R Godse, BS¹, Nayel I Khan², Zachary A Yochum¹, Carolyn Kemp³, Daniel J Shiwareski², Raja S Seethala², Timothy F Burns³, Umamaheswar Duvvuri²; ¹University of Pittsburgh, School of Medicine, ²University of Pittsburgh Medical Center, Department of Otolaryngology, ³University of Pittsburgh Medical Center, Department of Pathology, ⁴University of Pittsburgh Medical Center, Department of Medicine, Division of Hematology-Oncology

S397 CIRCULATING TUMOUR CELLS IN METASTATIC CUTANEOUS SQUAMOUS CELL CARCINOMA
Bruce Ashford¹, Tia Morrison¹, Marie Ranson¹, Jonathan Clark², Iyer Gopal³, Ruta Gupta³, Kevin Spring³; ¹University of Wollongong, ²Lifehouse at RPA, ³NCCSingapore, ⁴University of Sydney, ⁵Ingham Institute

160 9th International Conference on Head & Neck Cancer
Scientific Session  Wednesday, July 20, 2016

S398 SENTINEL LYMPH NODE BIOPSY FOR CUTANEOUS SQUAMOUS CELL CARCINOMA ON THE HEAD AND NECK
Alison B Durham, MD, Lori Lowe, MD, Kelly M Malloy, MD, Jonathan B McHugh, MD, Carol R Bradford, MD, Heather Chubb, MS, Timothy M Johnson, MD; Scott A McLean, MD, PhD; University of Michigan

S399 FULL-THICKNESS SKIN GRAFT RECONSTRUCTION OF SCALP DEFECTS
Scott A McLean, MD, PhD; University of Michigan

S400 FACIAL NERVE MONITORING DURING SUPERFICIAL AND PARTIAL PAROTIDECTOMY - PRELIMINARY REPORT OF A PROSPECTIVE STUDY.
Agnaldo J Graciano, MD1, Carlos T Chone, MD, PHD1, Carlos A Fischer, MD2, Graciela Pinto, MD2, Eric H Taninaka, MD1, Pablo S Gomes Pereira, MD1; 1Faculty of Medicine - Campinas State University, 2Hospital Sao Jose - Joinville

S401 NOTCH SIGNALING PATHWAYS PLAY AN IMPORTANT ROLE IN THE DEVELOPMENT OF AGGRESSIVE SALIVARY GLAND NEOPLASMS
Rizwan Masood, PhD, Oliver Gantz, MD, Jennifer Brooks, MD, Uttam Sinha, MD; USC

S402 CAVEATS IN THE EVALUATION OF PAROTID LESIONS WITH FINE NEEDLE ASPIRATION CYTOLOGY AND FROZEN SECTION
Jia Hui Ng, MBBS, MRCS, Edin1, Samuel Tham2, Nishanth Thiagarajan3, Ramesh Wijaya2; 1Singhealth, 2National University of Singapore, 3Changi General Hospital

Panel: Actionable Therapy Based on TCGA Data  4C-1-2
Moderator: Jennifer R. Grandis, MD

This session will focus on the translational potential (and limitations) of exploiting genomic and epigenomic HNSCC data (such as TCGA) to guide clinical practice. Specific topics will include alternative splicing variants in HPV positive HNSCC, validation in patient-derived HNSCC primary cultures, targeting codependencies, and precision oncology of recurrent/metastatic disease.

Overview of TCGA Data and Translational Challenges - Jennifer R. Grandis, MD
Defining Targetable Alternative Splicing Variants in HPV Positive Oropharynx Cancer - Joseph A. Califano, MD
Towards Precision Oncology: Leveraging Public Datasets as a Pipeline for Target Discovery and Validation in Patient-Derived HNSCC Primary Cultures - Eduardo Mendez, MD
Targeting Codependencies in Head and Neck Cancer - Mitchell J. Frederick, PhD
Implementation of a Clinical Genomics Assay into Routine Head and Neck Oncology Care at MSKCC - Luc G.T. Morris, MD MSc

At the conclusion of this session, participants will be able to:
• Recognize the kind of data in TCGA
• Select when mutation testing may be helpful in the care of HNSCC patients
• Identify the limits of available precision medicine approaches
Panel: The Science of HPV  
Moderator: Denise Galloway, PhD

There is clear evidence that human papillomaviruses (HPVs) play an etiologic role in the development of a subset of Head and Neck squamous cell cancers (HNSCC). Numerous studies have shown that HPV positive HNSCC have a better outcome than HPV negative cancers. In this session we will examine strategies that focus on vulnerabilities specific to HPV.

Clinical Outcomes of HPV Positive HNSCC - Carole Fakhry, MD, MPH
Potential New Therapies for HPV Positive HNSCC - Wendell G. Yarbrough, MD, MMHC
Inhibition of DNA Repair by HPV 16 - Denise Galloway, PhD
Mechanisms of Immune Tolerance Induced by HPV 16 - John H. Lee, MD
Reversal of Immune Escape by Reactivating Langerhans Cells - Martin Kast, PhD

At the conclusion of this session, participants will be able to:
- Recognize how HPV positive HNSCC differ from virus negative HNSCC.
- Identify how HPV promotes genetic instability.
- Assess immune strategies for HPV positive HNSCC.

Panel: Management of the Neck – New and Emerging Issues  
Moderators: Terry A. Day, MD & Dan M. Fliss, MD

This panel will discuss current state-of-the-art management of the neck in oral, oropharyngeal cancers including post chemoradiation evaluation, transoral surgery, early oral cancer, sentinel lymph node biopsy, and pathologic prognostic indicators.

Introduction: Management of the Neck: New and Emerging Issues - Terry A. Day, MD
Background: Management of the Neck: Current Standard of Care - Dan M. Fliss, MD
Changing Paradigms: Managing the Neck After Preoperative Chemotherapy - Trevor G. Hackman, MD
Management of the Neck in Transoral Surgery - Gregory S. Weinstein, MD
Management of the Neck After Chemoradiation - Hisham Mehanna, PhD, MD
Prognostic Parameters in Neck Dissection Specimens - Simion Chiosea, MD

At the conclusion of this session, participants will be able to:
- Plan the timing and role of neck dissection following chemoradiation.
- Interpret pathologic findings from the cervical lymph nodes in order to produce a plan for optimal cure in head and neck cancer.
Illustrate how transoral surgery has an effect on the timing and role of neck dissection.

Proffered Papers: Thyroid/Parathyroid II

Moderators: Jeffrey M. Bumpous, MD; Joseph M. Curry, MD; Vikas Mehta, MD; & Edmund Deazevedo Pribitkin, MD

S403 ANESTHESIA-INDUCED INCREASES IN INTRAOPERATIVE PARATHYROID HORMONE LEVELS IN HEAD AND NECK ENDOCRINE SURGERY
David S Kim, MD, Robert C Wang, MD; University of Nevada School of Medicine

S404 BASELINE IOPTH LEVELS IN PARATHYROID SURGERY
William S Duke, MD, Wilson Omesiete, BS, David J Terris, MD; Augusta University

S405 DYNAMIC OPTICAL CONTRAST IMAGING (DOCI): AN IMAGING TECHNIQUE TO DIFFERENTIATE PARATHYROID TISSUE FROM SURROUNDING TISSUES
Maie St. John, MD, PhD, Irene Kim, MD, Zachary Taylor, PhD, Harrison Cheng, BS, Christine Sebastian, BS, Michael Yeh, MD, Warren Grundfest; UCLA

S406 TRACHEAL AND CRICO-TRACHEAL RESECTION AND ANASTOMOSIS FOR THYROID CANCER INVOLVING THE AIRWAY: A SYSTEMATIC REVIEW AND META-ANALYSIS
Cesare Piazza1, Valentina Claps1, Loredana Covolo2, Alberto Paderno1, Francesca Del Bon1, Paola Grazioi1, Pietro Perotti1, Davide Lombardi1, Francesco Donato2, Piero Nicolai1; 1Department of Otorhinolaryngology - Head and Neck Surgery, University of Brescia, Brescia, Italy, 2Department of Hygiene, Epidemiology and Public Health, University of Brescia, Brescia, Italy

S407 MALIGNANCY RATES FOR RAS MUTATION POSITIVE INDETERMINATE THYROID NOODULES ARE INSTITUTIONALLY VARIABLE
Hunter Underwood, MD1, Ronald Ghossein, MD2, Jennifer Ogilvie, MD1, Anna Kundel1, Steven Hodak1, Kepal N Patel, MD1; 1NYU Langone Medical Center, 2Memorial Sloan-Kettering Cancer Center

S408 COMPARING THE EFFICACY AND SURGICAL OUTCOMES OF HARMONIC® SCALPEL VS. LIGASURE® SMALL JAW IN THYROID AND PARATHYROID SURGERY
Taha Hassoon, MD, Daniah Bu Ali, MD, Fadi Murad, MD, Muhammad Anwar, MBBS, Roostam Kholmatov, MD, Zaid Al-qurayshi, MD, Rizwan Aslam, DO, Emad Kandil, MD; Tulane Medical School-University

S409 MANAGEMENT AND SIGNIFICANCE OF INCIDENTALLY DIAGNOSED METASTATIC PAPILLARY THYROID CARCINOMA IN NECK DISSECTION SPECIMENS
Magis Mandapathil, MD, Snehal Patel, MD, Ian Ganly, MD, Jatin P Shah, MD; Memorial Sloan Kettering Cancer Center

S410 IMPORTANCE OF FNA TECHNIQUE FOR POTENTIALLY DECREASING NON-DIAGNOSTIC RATES IN THYROID NOODULES
Amarbir S Gill, MD1, Richard Amndur, PhD2, Arjun S Joshi, MD2; 1University of California, Davis, 2The George Washington University, School of Medicine

S411 FEASIBILITY OF AN OUTPATIENT THYROIDECTOMY PROTOCOL IN A FIRST LEVEL HOSPITAL IN COLOMBIA.
Diana Perez1, Marcela Marulanda1, Alvaro Sanabria2; 1Department of Surgery. Universidad de Antioquia, 2Department of Surgery. Universidad de Antioquia. Hospital Pablo Tobon Uribe
Proffered Papers: Larynx II

Moderators: Ilana Dowek, MD; Andrew McWhorter, MD; & Liana Puscas, MD

S412 FINDINGS OF THE TREATMENT OF ADVANCED LARYNGEAL CANCER (TALC) COHORT
Bevan Yueh1, Patricia Fernandes1, Jonas Johnson2; 1University of Minnesota, 2University of Pittsburgh

S413 LYMPH NODE RATIO IS A BETTER PREDICTOR OF SURVIVAL THAN NODAL STATUS - A SEER ANALYSIS OF LARYNGEAL CANCER PATIENTS
Thomas K Chung, Russel Kahmke, Harishanker Jayarajan, Erin J Partington, MD, Benjamin Greene, Brian Hughley, William Carroll; University of Alabama at Birmingham

S415 DEFINITIVE CHEMORADIOThERAPY VS SURGERY-BASED THERAPY IN RESECTABLE STAGE III/IV HYPOPHARYNGEAL CANCER: LONG-TERM RESULTS OF A MULTICENTER REVIEW OF 300 CASES
Eun-Jae Chung1, Woo Jin Jeong1, Young Ho Jung1, Seong Keun Kwon1, J. Hun Hah1, Tack-Kyun Kwon1, Soon Hyun Ahn1, Myung-Whun Sung1, Kwang Hyun Kim1, Dae-Seog Heo2, Hong-Gyun Wu3, Young-Soo Rho4; 1Department of Otorhinolaryngology - Head and Neck Surgery, Seoul National University Hospital, 2Department of Internal Medicine, 3Department of Radiation Oncology, 4Department of Otorhinolaryngology-Head and Neck Surgery, Ilsong Memorial Head and Neck Cancer Hospital, Hallym University, College of Medicine

S416 TRENDS IN POST-OPERATIVE MANAGEMENT OF TOTAL LARYNGECTOMY PATIENTS
Omar H Ahmed, MD1, Dylan F Roden, MD, MPH1, David Myssiorek, MD1, Cherie-Ann O Nathan, MD2, Yixin Fang, PhD1; 1New York University Dept of Otolaryngology/ Head and Neck Surgery, 2Louisiana State University, Shreveport Department of Otolaryngology/ Head and Neck Surgery

S417 SURVIVAL DIFFERENCES FOR SURGERY VS. RADIATION IN T1 GLOTTIC SQUAMOUS CELL CARCINOMA: A SEER ANALYSIS
Jennifer Christenson, DO, Mary E Platek, PhD, Zain Ashary, BS, Anurag K Singh, MD, Adrienne Groman, MS, Shiva Dibaj, MS, David Cohan, MD, Moni A Kuriakose, Welsley L Hicks Jr, MD, Vishal Gupta, MD, Christina Mimikos, DO, Kimberly Wooten, MD, Hassan Arshad, MD; Roswell Park Cancer Institute

S418 PERSONALIZATION OF OPERATIVE RISK IN LARYNGECTOMY: IS MODIFIED FRAILTY INDEX PREDICTIVE?
Brandon Wachal, MD1, Matthew Johnson, MD1, Alissa Burchell, BSE2, Harlan Sayles, MS3, Katherine Rieke, MPH, MA3, Robert H Lindau, MD4, William Lydiatt, MD4, Aru Panwar, MD; 1Division of head and neck surgery, University of Nebraska Medical Center, Omaha, Nebraska, 2College of Medicine, University of Nebraska Medical Center, Omaha, Nebraska, 3College of Public Health, University of Nebraska Medical Center, Omaha, Nebraska, 4Division of head and neck surgery, University of Nebraska Medical Center & Nebraska Methodist Hospital, Omaha, Nebraska

S419 COMPLICATIONS AND HOSPITAL LENGTH OF STAY AFTER TOTAL LARYNGECTOMY
Ryan P Goepfert, MD, Katherine A Hutcheson, PhD, Jan S Lewin, Neha G Desai, BDS, Mark E Zafereo, MD, Amy C Hessel, MD, Neil D Gross, MD; University of Texas MD Anderson Cancer Center

S420 DETERMINING THE ROLE OF NECK DISSECTION IN PATIENTS WITH RECURRENT LARYNGEAL CARCINOMA UNDERGOING SALVAGE LARYNGECTOMY
Crystal Cheong, MD, Chwee-Ming Lim, MD, Kwok Loh, MD; National University Health System, Singapore
Proffered Papers: Reconstruction IV

Moderators: Chase M. Heaton, MD; Kelly M. Malloy, MD; & Mauricio A. Moreno, MD

S421 A COMPARISON OF THE EFFICACY AND COMPLETENESS OF IN-PERSON AND REMOTE VIDEO TELEHEALTH MONITORING FOLLOWING HEAD AND NECK FREE TISSUE TRANSFER
A Sean Alemi, MD; Rahul Seth, MD, Chase M Heaton, MD, Steven J Wang, MD, P Daniel Knott, MD; UCSF

S422 SAFELY MINIMIZING LENGTH OF HOSPITAL STAY IN PATIENTS UNDERGOING FREE TISSUE TRANSFER.
Dane M Barrett, MD, MBA, Christopher J Boyd, BS, Mark J Jameson, MD, PhD; University of Virginia School of Medicine

S423 THE RELATIONSHIP BETWEEN PERIOPERATIVE HYPERGLYCEMIA AND POSTOPERATIVE COMPLICATIONS IN HEAD AND NECK CANCER PATIENTS UNDERGOING LARGE BULK TISSUE TRANSFER
Paul R Wisternayer, BS, Matthew L Rohlfing, BS, Ashley C Mays, MD, Scott Isom, MS, Joshua D Waltonen, MD; Wake Forest School Of Medicine, Otolaryngology, Winston-Salem, NC, USA

S424 PREDICTORS OF MAJOR POSTOPERATIVE COMPLICATIONS IN PATIENTS UNDERGOING HEAD AND NECK SURGERY WITH FREE FLAP REPAIR
J McMahon, C Wales, C Maclver, J Devine, T Handley, A Bobinskas, E Thomson, S Hislop; Queen Elizabeth University Hospital

S425 OUTCOMES FOLLOWING MICROVASCULAR FREE FLAP RECONSTRUCTION FOR SKULL BASE AND CRANIAL VAULT OSTEORADIONECROSIS
Steven B Chinn, MD, MPH1, Juan P Liao1, Jourdain D Arzt1, Paul W Gidley, MD1, Franco DeMonte, MD1, Ehab Y Hanna, MD1, Erich M Sturgis, MD1, Roman J Skoracki, MD2, Peirong Yu, MD1, Matthew M Hanasono, MD2; 1University of Texas, M.D. Anderson Cancer Center, 2The Ohio State University, Department of Plastic Surgery

S426 LASER ASSISTED INDOCYANINE GREEN DYE ANGIOGRAPHY TO PREDICT POSTOPERATIVE FISTULA AFTER SALVAGE LARYNGECTOMY
Erin Partington, MD1, Russell Kahkme, MD1, Stephanie Bevans1, Jason Warram, PhD1, William Carroll, MD1, Eben Rosenthal, MD2, Benjamin Greene, MD1; 1University of Alabama- Birmingham, 2Stanford University

S427 FREE TISSUE TRANSFER TO THE AERODIGESTIVE TRACT WITH OR WITHOUT ELECTIVE TRACHEOTOMY
John D Cramer, MD1, Sandeep Samant, MD1, Evan S Greenbaum, MD1, Urjeet A Patel, MD1; Northwestern University Feinberg School of Medicine, 2John H Stroger Jr Hospital of Cook County

S428 MANAGEMENT OF EXTERNAL SKIN DEFECT ASSOCIATED WITH SEGMENTAL MANDIBLECTOMY RECONSTRUCTED WITH FREE FIBULA FLAP - 435 CASES OVER 4 YEARS
Saumya Mathews, Prabha Yadav, Vinay Shankdhar, Dushyant Jaiswal; Tata Memorial Hospital

S429 OSTEOCUTANEOUS RADIAL FOREARM FREE FLAP IN NON-MANDIBLE HEAD AND NECK RECONSTRUCTION.
Faisal I Ahmad, Alex Labby, Campbell Cross, Javier Gonzalez-Castro, Scott H Troob, Ryan Li, Mark K Wax; OHSU
Scientific Session  Wednesday, July 20, 2016

Proffered Papers: Imaging  

Moderators: Chung-Hwan Baek, MD, PhD; Barton F. Branstetter, IV, MD; & Hadi Seikaly, MD, FRCS

S433 SURVIVAL ANALYSIS IN OROPHARYNGEAL SQUAMOUS CELL CARCINOMA VIA PET MEASURED TUMOR VOLUME AND GLYCOLYSIS
Nico M Moolman, MD, Matthew H Rigby, MD, Jonathan Trites, MD, Yaw Amoako-Tuffour, Mark S Taylor, MD, Steven Burrell, MD, Rob D Hart, MD; Dalhousie University

S430 OPTIMAL TIMING FOR INTERIM RESPONSE ASSESSMENT OF HEAD & NECK CANCER RADIATION TREATMENT USING INTEGRATED POSITRON EMISSION TOMOGRAPHY/ MAGNETIC RESONANCE IMAGING
Ivan W Tham1, Sharmili Roy2, Dennis L Cheong2, John J Totman2, Lih Kin Khor2, Julian Goh3, David Townsend2; 1National University Cancer Institute, Singapore, 2A*Star/NUS Clinical Imaging Research Centre,3National University Hospital, Tan Tock Seng Hospital, Singapore

S431 IR-LABELLED CETUXIMAB FOR OPTICAL IMAGING OF AGGRESSIVE ODONTOGENIC NEOPLASMS
Anthony Morlandt, MD, DDS1, Hope Amm, PhD1, Jason M Warram, PhD1, Lindsey S Moore, MD1, Esther deBoer, MD1, William Carroll, MD1, Olga Mamaeva, PhD1, Eben L Rosenthal, MD2, Mary MacDougall, PhD1; 1University of Alabama at Birmingham, 2Stanford University

S432 UTILITY OF A NEW TYPE OF ELASTOGRAPHY USING ACOUSTIC RADIATION FORCE IMPULSE FOR DIAGNOSING METASTATIC LYMPH NODES FROM HEAD AND NECK SQUAMOUS CELL CARCINOMA: A PRELIMINARY STUDY
Takahiro Fukuhara, MD, PhD, Eriko Matsuda, BS, Kazunori Fujiwara, MD, PhD, Hiroya Kitano, Hiromi Takeuchi, Department of Otolaryngology-Head and Neck Surgery, Tottori University Faculty of Medicine

S434 PATTERNS OF DISTANT METASTASIS IN HEAD AND NECK CANCER: IMPLICATIONS FOR INITIAL EVALUATION
Jeffrey C Liu, MD1, Mihir K Bhayani2, Christopher E Fundakowski1; 1Temple Univ/Fox Chase Cancer Center, 2Northshore Univ Health system/Pritzker School of Medicine

S435 COMPUTED TOMOGRAPHY (CT) SCAN IN PREDICTING SKIN EXCISION IN ORAL CANCERS : A PROSPECTIVE STUDY.
Shilpi Sharma, MS, DNB, MBBS, Devendra Chaukar, MS, DNB, MBBS, Shashikant L Juvekar, MD, Munita Bal, MD, Anuja Deshmukh, MS, Supreeta Arya, MD, Shubhada Kane, Anil K D'Cruz, FRCS, MS, DNB, MBBS; Tata Memorial Hospital, India

S436 MULTIMODAL IMAGE-GUIDED SURGICAL AND PHOTODYNAMIC INTERVENTIONS IN HEAD-AND- NECK CANCER
Nidal Mu Hanna, MD, PhD1, Liyung Cui, PhD2, Harley Chan, PhD1, Cheng Jin3, Thomas MacDonald4, Elizabeth Huynh3, Juan Chen3, Jonathan Irish4, Gang Zheng5; 1Department of Otolaryngology-Head and Neck Surgery, University of Toronto, Toronto, Canada, 2Department of Medical Biophysics, University of Toronto, Toronto, Canada, 3Department of Pharmaceutical Sciences, University of Toronto, Toronto, Canada, 4Institute of Biomaterials and Biomedical Engineering, University of Toronto, Toronto, Canada
S437 APPLICATION OF ULTRASOUND-GUIDED CORE BIOPSY AS A NOVEL DIAGNOSTIC SAMPLING PROCEDURE IN THE PHARYNGEAL CANCER WITH DIFFICULT CONVENTIONAL ENDOSCOPIC APPROACHES
Chun-Nan Chen, MD, Cheng-Ping Wang, MD, Pei-Jen Lou, MD, PhD, Jena-Yuh Ko, MD, PhD, Tsung-Lin Yang, MD, PhD; Department of Otolaryngology, National Taiwan University Hospital and National Taiwan University College of Medicine, Taipei, Taiwan

S438 PROGNOSTIC VALUE OF METABOLIC PARAMETERS AT PRETREATMENT F-18 FDG PET/CT IN NASOPHARYNGEAL CARCINOMA
Shang-Yi Li, MD, Wen-Sheng Huang, Mu-Kuan Chen; Departments of Otorhinolaryngology, Changhua Christian Hospital, Changhua, Taiwan, Departments of Nuclear Medicine, Changhua Christian Hospital, Changhua, Taiwan

11:00 am - 12:30 pm PANELS OR PROFFERED PAPERS

Panel: Future Immunotherapeutic Developments for Head and Neck Cancer
Moderator: Ezra E.W. Cohen, MD

This session will review the preclinical and clinical rationale for and preliminary data from an ongoing clinical trials administering anti-OX40 prior to definitive surgical resection of tumor from patients with head and neck squamous cell carcinoma. In addition, the session will discuss the addition of immunotherapy to combined modality therapy, addressing preclinical rationale, sequence optimization, and toxicity assessment. Furthermore, immunotherapy as applied to stem cells and recurrent/metastatic disease will be discussed.

Immunotherapy Targeting Stem Cells - John Sunwoo, MD
Co-Stimulation With Anti-OX40 Prior To Surgery For Head And Neck Cancer - R. Bryan Bell, MD, DDS
Immunoradiation: Towards the Quad-Modality Management of Head and Neck Cancer - Julie E. Bauman, MD
The New Order – Immunotherapy In Recurrent/Metastatic HNSCC - Ezra E.W. Cohen, MD

At the conclusion of this session, participants will be able to:
• Familiarize the audience with possible changes that occur within the tumor microenvironment after anti-OX40 treatments, which may inform decisions regarding how and when to treat patients with OX40 agonists and checkpoint blockade combinations in the neoadjuvant or adjuvant setting.
• Recognize autoimmune adverse events in the toxic setting of combined modality therapy for head and neck cancer
• Understand the role of stem cells in the context of immunotherapy
Panel: Management of the Head and Neck Surgical Career 4C-3
Moderators: Jennifer R. Grandis, MD & Dennis H. Kraus, MD, FACS

Introduction - Dennis Kraus, MD
Securing and Maintaining Funding - Jennifer Grandis, MD
Rebooting an Academic Career: From Chair to Dean - Carol Bradford, MD
Avoiding Academic Burnout - Rene Leemans, MD, PhD
Advice to Trainees: How to Find Career Balance - Cherie Ann Nathan, MD
Combining an Academic Career and Position in the Dean’s Office - Xin Zhang, MD

At the conclusion of this session, participants will be able to:
• Recognize what they need to do to combine research with clinical practice.
• Distinguish funding sources.
• Identify training programs.

Panel: Robotics in Head and Neck Cancer Surgery 4C-4
Moderators: Jimmy Yu Wai Chan, MD, MS, MRCS (Ed), FCSHK, FHKAM & Chris Holsinger, MD

Oropharynx - Chris Holsinger, MD
Neck - David J. Terris, MD
Nasopharynx - Jimmy Yu Wai Chan, MD, MS, MRCS (Ed), FCSHK, FHKAM
Thyroid - Eun Chang Choi, MD

Proffered Papers: Outcomes/Quality of Life III
Moderator: William B. Armstrong, MD & Daniel Knott, MD

S439 MOST COMMON AND DISTRESSING QUALITY OF LIFE CONCERNS FOR HEAD AND NECK CANCER PATIENTS REFERRED TO AMBULATORY PALLIATIVE MEDICINE
Chen Lin¹, Stephen Y Kang², Samantha L Donermeyer³, Theodoros N Teknos², Sharla M Wells-Di Gregorio⁴; ¹The Ohio State University College of Medicine, Columbus, OH, ²Department of Otolaryngology - Head and Neck Surgery, The Ohio State University, Columbus, OH, ³Department of Psychology and James Survivorship, The Ohio State University, Columbus, OH

S440 PATIENT-SPECIFIC SEMG DRIVEN MODELS OF THE FACE AND ORAL CAVITY: A FIRST STEP TOWARDS PREDICTION OF POST-SURGICAL FUNCTIONAL OUTCOME
Merijn Eskes¹, Maarten Van Alphen¹, Ludwig Smeele¹, Ferdinand Van der Heijden², Ian Stavness³, Alfons Balm¹; ¹Netherlands Cancer Institute, ²University of Twente, ³University of Saskatchewan
Scientific Session  Wednesday, July 20, 2016

S441 INTRAOPERATIVE BRIEF ELECTRICAL STIMULATION (BES) FOR PREVENTION OF SHOULDER DYSFUNCTION AFTER ONCOLOGIC NECK DISSECTION: A DOUBLE-BLINDED, RANDOMIZED CONTROLLED TRIAL
Brittany Barber, MD, Margaret McNeely, PT, PhD, K. Ming Chan, MD, FRCCS, Rhys Beaudry, BSc, Jaret Olson, MD, FRCCS, Jeffrey Harris, MD, MHA, FRCCS, Hadi Seikaly, MD, MAL, FRCCS, Daniel O’Connell, MD, MSc, FRCCS; University of Alberta

S442 TRENDS IN SQUAMOUS CELL CARCINOMA OF THE HEAD AND NECK: A SURVEILLANCE, EPIDEMIOLOGY, AND END RESULTS DATABASE ANALYSIS
Christina M Mimikos, DO, Adrienne Groman, MS, Kimberly Wooten, MD, Wesley Hicks, MD, Abraham Kuriakose, MD, David Cohan, MD, Vishal Gupta, MD, Mary Platek, PhD, Anurag Singh, MD, Hassan Arshad, MD; Roswell Park Cancer Institute

S443 LONG-TERM FUNCTIONAL OUTCOMES AFTER TOTAL LARYNGECTOMY WITH NON-CIRCUMFERENTIAL RADIAL FOREARM FREE TISSUE TRANSFER
Andrew D Palmer, PhD, CCC, SLP1, Christine M Chambers, MS, CCC, SLP1, Lauren Ottenstein, MS, CCC, SLP1, Breanne Whalen, MS, CCC, SLP1, Peter E Andersen, MD, James I Cohen, MD, PhD, Mark K Wax, MD1, Donna J Graville, PhD, CCC, SLP1; Oregon Health and Science University, Portland VA Medical Center, Emory University Department of Otolaryngology

S444 THE PRICE OF FREE TISSUE TRANSFER AFTER TONGUE RECONSTRUCTION: QUANTIFYING THE RISKS
Mohamed N Khan, MD1, Enrique Perez, MD, MBA1, Erden Goljo, BS1, Alfred J Iloreta, MD1, Richard Park, MD, FACS2, Brett Miles, MD, DDS, FACS; Mount Sinai Department of Otolaryngology, Rutgers University Department of Otolaryngology

S445 HOSPITAL VOLUME AND THE OUTCOME OF HEAD AND NECK CANCER CARE IN NEW YORK STATE
Micah Timen, MS1, Yixin Fang, PhD2, Babak Givi, MD, FACS3, Marc M Triola, MD, FACP4; New York University School of Medicine, New York University School of Medicine, Department of Population Health, New York University School of Medicine, Department of Otolaryngology, New York University School of Medicine, Department of Medicine

S446 THE HEAD AND NECK SURGERY NSQIP: EVALUATING UNPLANNED RETURN TO THE OPERATING ROOM
Carol M Lewis, MD, MPH, Summer Hanson, MD, PhD, Jun Liu, PhD, Randal S Weber, MD; University of Texas MD Anderson Cancer Center

S447 SELF-ASSESSMENT IN HEAD AND NECK SURGERY: THE UTILITY OF SURGEON SPECIFIC REGISTRY OF THE AMERICAN COLLEGE OF SURGEONS
Alvaro Sanabria, PhD; Department of Surgery. Universidad de Antioquia-Hospital Pablo Tobon Uribe

Proffered Papers: Cancer Biology IV  Tahoma 2
Moderators: Timothy S. Lian, MD & Max Witjes, MD

S454 METABOLIC INTERROGATION AS A TOOL TO OPTIMIZE CHEMOTHERAPEUTIC REGIMENS
Vlad Sandulache, MD, PhD, Yunyun Chen, William William, MD, Heath Skinner, MD, PhD, Jeffrey Myers, MD, PhD, Raymond Meyn, MD, Lei Feng, Clifton Fuller, MD, PhD, James Bankson, Stephen Lai, MD, PhD; UT MD Anderson Cancer Center

S448 APPLICATION OF PATIENT-DERIVED XENOGRAFT TECHNOLOGY TO MODEL HUMAN PAPILLOMA VIRUS-ASSOCIATED HEAD AND NECK CANCER
Nicole D Facompre, PhD, Varun Sahu, BS, Kayla M Harmeyer, PhD, Kathleen T Montone, Gregory S Weinstein, Devraj Basu, MD, PhD; The University of Pennsylvania
S449 EXAMINING RESPONSE TO PI3K INHIBITORS IN HEAD AND NECK SQUAMOUS CELL CARCINOMA
Nicole L Michmerhuizen, Andrew Birkeland, Elizabeth Leonard, Danielle Pallas, Jacqueline Mann, Susan K Foltin, Thomas E Carey, Carol R Bradford, Matthew Spector, J Chad Brenner; University of Michigan

S450 SERUM IL-6 LEVELS SHOW A DIRECT CORRECTION WITH CIRCULATING TUMOR CELLS (CTCS) AND POOR PROGNOSIS
Azeem Kaka, MD1, Corey Cheresnick, MD1, Arti Yadav2, Kyoung-Joo Park1, Peter Amaya2, Nolan Seim, MD1, Bhavna Kumar1, James Lang, PhD1, Jeffrey Chalmers, PhD2, Theodoros Teknos, MD1, Pawan Kumar, PhD1; 1The Ohio State University Department of Head and Neck Surgery and James Cancer Hospital, 2The Ohio State University Department of Chemical and Biomedical Engineering

S451 THE TUMOR SUPPRESSOR CAPABILITY OF NON-MUSCLE MYOSIN IIA REQUIRES A FUNCTIONAL P53 IN HEAD AND NECK CANCER.
Sonya Coaxum, Phd1, Jessica Tiedeken, MS1, Elizabeth Garrett-Mayer, PhD1, Jeffrey Myers, MD, PhD2, Steven A Rosenzweig, PhD1, David M Neskey, MD, PhD1; 1Medical University of South Carolina, 2University of Texas, MD Anderson Cancer Center

S452 PROTEOMIC ANALYSIS OF EXOSOMES PURIFIED FROM HPV+ AND HPV- ORAL SQUAMOUS CELL CARCINOMA CELL LINES
Zhanxiang Wang, PhD, Vivian Wu, MD, MPH; EVMS

S453 THE OROPHARYNX AS A JUNCTIONAL SITE, PERMISSIVE FOR HUMAN PAPILLOMAVIRUS INFECTION, CHARACTERISED BY NOVEL BIOMARKERS IN PRIMARY SQUAMOUS CELL CARCINOMA AND REGIONAL Nodal DISEASE
Robbie S Woods, MD1, Danielle Costigan2, Helen Keegan2, Christine White3, Prerna Tewari3, Mary Toner2, Susan Kennedy, Professor1, Esther M O’Regan2, Cara Martin, Professor2, John J O’Leary, Professor2, Conrad V Timon, Professor1; 1Department of Histopathology, St. James’s Hospital, Dublin, 2Department of Histopathology, Royal Victoria Eye and Ear Hospital, Dublin

S455 THE ROLE OF HPV E7 AND AURORA A KINASE IN THE GROWTH AND SURVIVAL OF HPV-POSITIVE HEAD AND NECK CANCER
Mushfiq H Shaikh, BDS, MSc, Daniel T Clarke, BSc, PhD, Newell W Johnson, MDSc, PhD, FDSRCS, FRACDS, FRCPAth, FICD, Nigel A McMillan, BSc, PhD; Griffith University

S456 DUAL-METHOD ASSESSMENT OF ORAL DYSPLASIA IN A PRECLINICAL ANIMAL MODEL
Rahul Pal, Tyra Brown, Jingping Yang, Susan McCammon, Suimin Qiu, Gracie Vargas; UTMB

Proffered Papers: Basic Science II
Moderators: Prathamesh Pai, MS(ENT), DNB, DORL, MNAMS & Quintin Pan, PhD

S457 CISPLATIN INCREASES EXPRESSION OF ANTIGEN PRESENTATION MACHINERY AND PROGRAMMED DEATH LIGAND 1 IN HEAD AND NECK SQUAMOUS CELL CARCINOMA CELLS
Nicole C Schmitt, MD1, Harrison Cash2, Robert L Ferris, MD, PhD2, Carter Van Waes, MD, PhD4, Clint T Allen, MD1; 1Johns Hopkins University Department of Otolaryngology and Head and Neck Surgery Branch, NIDCD, NIH, 2Cleveland Clinic Lerner College of Medicine, 3University of Pittsburgh Department of Otolaryngology, 4Head and Neck Surgery Branch, NIDCD, NIH
**Scientific Session**  
**Wednesday, July 20, 2016**

**S458** DOSE AND TIME RANGING OF ANTI-ANGIOGENIC AGENTS FOR ENHANCED ANTIBODY-BASED THERAPY IN AN ANIMAL MODEL OF HEAD AND NECK CANCER  
Andrew Prince, BSc1, Lindsay Moore, MD1, Neel Patel, MD1, William Carroll, MD2, Eben Rosenthal, MD2, Jason Warram, PhD2; 1University of Alabama at Birmingham, 2Stanford University

**S459** DROPLET DIGITAL POLYMERASE CHAIN REACTION FOR DETECTION OF ONCOGENIC HUMAN PAPILLOMAVIRUS IN OROPHARYNGEAL SWABS: A PROSPECTIVE COHORT STUDY  
Andre Isaac, MD, Han Zhang, MD, Morris Kostiuk, PhD, Fawaz Makki, MD, FRCSC, Daniel A O’Connell, MD, MSc, FRCSC, Jeffrey R Harris, MD, MHA, FRCSC, David Cote, MD, MPH, FRCSC, Hadi Seikaly, MD, MAL, FRCSC, Vincent L Biron, MD, PhD, FRCSC; University of Alberta

**S460** GLYCOLYTIC METABOLISM AND IMMUNE ACTIVITY ON HIF-1 STABILIZED NK CELL  
Toshimitsu Ohashi, MD, PhD1, Greg M Delgoffe, PhD2, Robert L Ferris, MD, PhD2; 1Department of Immunology, University of Pittsburgh Cancer Institute, 2Tumor Microenvironment Center, Department of Immunology, University of Pittsburgh Cancer Institute

**S461** NEXT GENERATION SEQUENCING OF SALIVARY DUCT CARCINOMA REVEALS NOVEL POTENTIAL TARGETS FOR SMALL MOLECULAR THERAPIES  
Joel A Smith, MD, FRCS, MBChB, BMedSc1, Timothy Khoo1, Angus Clark1, Bing Yu, MD, PhD, FFSc, RCPA, FHGSA2, Ruta Gupta, MBBS, PhD, FRACS1, Jonathan Clark, MBBS, BScMed, MBIostat, FRACS1; 1Sydney Head and Neck Cancer Institute, 2University of Sydney

**S462** MASTER REGULATORS EXPOSE POTENTIAL EPGENIC DRIVERS OF HPV-ASSOCIATED HNSCC  
Maria J Worsham, Director, of, Research, Indrani Datta, Biostatistician, Kang M Chen, Research, Scientist, Josena K Stephen, Research, Scientist, Dhananjay Chitale, Pathologist, Tamer Ghanem, Head, and, Neck, Surgeon, Lamont Jones, Vice, Chair, Surgeon, Laura Garcia-Rodriquez, Resident, George Divine, Sr, Biostatistician; Henry Ford Health System

**S463** THE POTENCY OF A HISTONE DEACETYLASE INHIBITOR AND REOVIRUS IN HEAD AND NECK SQUAMOUS CELL CARCINOMA  
Matthew Old, MD1, Cristina Jamie-Ramirez, PhD1, Jun-Ge Yu, MD1, Enrico Caserta1, John Lee, MD2, Bhavna Kumar, MS1, Pawan Kumar, PhD1, Quintin Pan, PhD1, Flavia Pichierri, PhD1, Theodoros Teknos, MD1, Balveen Kaur, PhD1; 1The Ohio State University, 2Sanford Health

**S464** PROMOTER MUTATIONS IN THE TERT GENE OCCUR FREQUENTLY IN ORAL CAVITY SQUAMOUS CELL CARCINOMA  
Kai-Ping Chang, MD, PhD1, Curtis Pickering, PhD2, Jeffery N Myers, MD, PhD2; 1Department of Otolaryngology - Head & Neck Surgery, Chang Gung Memorial Hospital, Taipei, Taiwan, 2Department of Head & Neck Surgery, MD Anderson Cancer Center, TX

**S465** EVALUATION OF DNA DAMAGE REPAIR THROUGH ORAL DYSPLASIA SCRAPES PREDICTS MALIGNANT TRANSFORMATION: VERIFICATION OF FINDINGS FROM FORMALIN FIXED PARAFFIN EMBEDDED TISSUE  
Michael Ho1, Mark Ryan2, Juhi Gupta3, Asterios Triantafyllou2, Janet Risk2, Richard Shaw, Prof2, James Wilson2; 1Leeds Dental Institute, 2University of Liverpool
Scientific Session  Wednesday, July 20, 2016

Proffered Papers:  Functional Outcomes II

Moderators: Jonathan Clark, MBBS, BSc; Michael G. Moore, MD; & Rod Rezaee, MD

S466 NOVEL TECHNOLOGY TO ACCURATELY DETECT STRicture RELATED DYSPHAGIA FOLLOWING HEAD AND NECK CANCER
Julia Maclean1, Peter Wu1, Michal Szczesniak2, Peter Graham1, Harry Quon3, Ian Cook4; 1St George Hospital, 2University of NSW, 3Johns Hopkins Sidney Kimmel Comprehensive Cancer Center

S467 DYSPHAGIA IN HEAD AND NECK CANCER PATIENTS PRIOR TO RADIATION THERAPY: IDENTIFYING HIGH RISK PATIENTS AND IMPROVING BASELINE DYSPHAGIA ASSESSMENT.
Christina F Kelly, MA, CCCSLP; Lindsay Savinda, MS, CCCSLP; Tamara Wasserman-Wincko, MS, CCCSLP; Bridget Hathaway, MD; Jonas Johnson, MD; University of Pittsburgh Medical Center

S468 AMERICAN COLLEGE OF SURGEONS (ACS) NATIONAL SURGICAL QUALITY IMPROVEMENT PROGRAM (NSQIP) AS A PREDICTOR FOR EXPECTED HOSPITAL-STAY FOR PATIENTS WITH HEAD AND NECK CANCER UNDERGOING ABLATIVE SURGERY WITH FREE FLAP RECONSTRUCTION
Charles A Riley1, David Cai, MD1, Claire Lawlor1, Christian P Hasney, MD2, Brian Moore, MD2; 1Tulane University, 2Ochsner Medical Center

S469 FUNCTIONAL AND COSMETIC OUTCOMES OF ROBOTIC NECK DISSECTION BY A POSTAURICULAR FACELIFT APPROACH FOR HEAD AND NECK CANCER: A PRELIMINARY STUDY
Kyung Tae, MD, PhD1, Yong Bae Ji, MD, PhD1, Chang Myeon Song, MD, PhD1, Hyang Sook Bang, RN1; 1Hanyang University, 2Hanyang University Hospital

S470 QUALITY OF LIFE AND SWALLOw FUNCTION IN PATIENTS WITH HEAD AND NECK CANCER FOLLOWING PRIMARY VS. SALVAGE TRANsORAL ROBOTIC SURGERY: THE FIRST YEAR AFTER TREATMENT
Amy M Williams, PhD1, Anish Abrol, BS2, Jamie M Lindholm, MS, CCCSLP1, Tamer Ghanem, MD, PhD2; 1Henry Ford Health System, 2Wayne State University School of Medicine

S471 SKELETAL MUSCLE MASS MEASUREMENTS AND ASSOCIATION WITH TREATMENT OUTCOME IN PATIENTS WITH LOCALLy ADVANCED HEAD AND NECK CANCER TREATED WITH CONCURRENT CHEMORADIOTherAPy
Simone Eerenstein, MD, PhD1, Wala al Arashi2, Emma Teunissen1, Henk Verheul1, Pim de Graaff1, René Leemans1, Jacqueline Langius2, Susanne Blauwhoff-Buskeromolen3, Johannes Voortman4; 1Dept. ENT Head Neck Surgery VU university medical center, 2Dept. medical Oncology and Dietetics, 3Dept. Medical oncology, 4Dept. Radiology and Nuclear Medicine, 5Dept. nutrition and dietetics

S472 HEALTHCARE COST SAVINGS WITH PREOPERATIVE GASTROSTOMY TUBE PLACEMENT IN THE HEAD AND NECK CANCER POPULATION
Ashley C Mays, MD1, Paul S Wistermayer, BS1, Matt L Rohlfing, BS1, Harrison G Bartels, BA1, Joshua D Waltonen, MD1, Ralph B D’Agostino, Jr., PhD1; 1Wake Forest University Otolaryngology, 2Wake Forest Biostatistics

S473 MODERN MULTIMODALITY THERAPY FOR OROPHARYNX CANCER - IS SEVERe LATE TOXICITY STILL AN ISSUE?
Matthew C Ward, MD1, Shlomo A Koyfman, MD1, Richard B Ross, BS2, Neil M Woody1, Nihkil P Joshi1, Brian B Burkey1, Joseph Scharpf1, Robert Lorenz2, Eric D Lamarre2, Brandon Prendes1, Tobenna I Nwizu1, Narcissa Houston1, Chandana Reddy1, Bridgett Harr, CNP1, Denise Ives1, Melissa Rahe1, Joanna Bodmann, CNP1, John F Greskovich, MD, MBA2, David J Adelstein, MD1; 1Cleveland Clinic, 2Case Western Reserve
# Faculty Listing

## AUSTRALIA

<table>
<thead>
<tr>
<th>Name</th>
<th>Institution/Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bryan Burmeister, MD</td>
<td>Princess Alexandra Hospital, Brisbane</td>
</tr>
<tr>
<td>Jonathan Clark, MBBS, BSc</td>
<td>Chris O’Brien Lifehouse, Sydney</td>
</tr>
<tr>
<td>June Corry, MD</td>
<td>The University of Melbourne, Melbourne</td>
</tr>
<tr>
<td>Camile Farah, PhD, MDSc</td>
<td>University of Western Australia, Perth</td>
</tr>
<tr>
<td>Julia Maclean, MD</td>
<td>St George Hospital, Sydney</td>
</tr>
<tr>
<td>Christopher F.L. Perry, MD</td>
<td>Princess Alexandra Hospital, Brisbane</td>
</tr>
<tr>
<td>Sandro V. Porceddu, MD</td>
<td>Princess Alexandra Hospital, University of Queensland, Brisbane</td>
</tr>
<tr>
<td>Danny Rischin, MD</td>
<td>Peter MacCallum Cancer Centre, Melbourne</td>
</tr>
</tbody>
</table>

## BELGIUM

<table>
<thead>
<tr>
<th>Name</th>
<th>Institution/Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>George Lawson, MD</td>
<td>Université Catholique de Louvain - CHU ucl Namur Dinant, YVOIR</td>
</tr>
<tr>
<td>Vincent Vander Poorten, MD</td>
<td>University Hospitals Leuven</td>
</tr>
</tbody>
</table>

## BRAZIL

<table>
<thead>
<tr>
<th>Name</th>
<th>Institution/Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Claudio R. Cernea, MD</td>
<td>University of São Paulo Medical School, Sao Paulo</td>
</tr>
<tr>
<td>Rogerio A. Dedivitis, MD</td>
<td>University of Sao Paulo School of Medicine, Sao Paulo</td>
</tr>
<tr>
<td>Fernando L. Dias, MD, PhD</td>
<td>Brazilian National Cancer Institute, Catholic University of Rio de Janeiro, Rio de Janeiro</td>
</tr>
<tr>
<td>Luiz P. Kowalski, MD, PhD</td>
<td>A.C.Camargo Cancer Center, Sao Paulo</td>
</tr>
<tr>
<td>Roberto Lima, MD, PhD</td>
<td>Brazilian National Cancer Institute, INCA, Rio de Janeiro</td>
</tr>
<tr>
<td>Jorge Pinho, MD</td>
<td>Hospital Memorial S. José, Recife</td>
</tr>
</tbody>
</table>

## CANADA

<table>
<thead>
<tr>
<th>Name</th>
<th>Institution/Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Robert S. Bell, MD</td>
<td>Ministry of Health and Long Term Care, Toronto, ON</td>
</tr>
<tr>
<td>Lori Bernstein, PhD, Cpsych</td>
<td>Princess Margaret Cancer Centre, Toronto, ON</td>
</tr>
<tr>
<td>James Brierley, MS, MB, FRCR, FRCPC</td>
<td>University of Toronto, Toronto, ON</td>
</tr>
<tr>
<td>Douglas B. Chepeha, MD</td>
<td>University of Toronto, Princess Margaret Hospital, Toronto, ON</td>
</tr>
<tr>
<td>Apostolos Christopoulos, MD, MSc</td>
<td>Université de Montréal, Montreal, QC</td>
</tr>
<tr>
<td>John Rukshen de Almeida, MD, MSc, FRCSC</td>
<td>Princess Margaret Cancer Centre, University Health Network, Toronto, ON</td>
</tr>
<tr>
<td>Danny Enepekides, MD, FRCS</td>
<td>University of Toronto, Toronto, ON</td>
</tr>
<tr>
<td>Jeremy L. Freeman, MD</td>
<td>Mount Sinai Hospital, University of Toronto, Toronto, ON</td>
</tr>
<tr>
<td>Ralph W. Gilbert, MD</td>
<td>University Health Network, University of Toronto, Toronto, ON</td>
</tr>
<tr>
<td>David Paul Goldstein, MD, FRCSC</td>
<td>Princess Margaret Cancer Center, Toronto, ON</td>
</tr>
<tr>
<td>Patrick J. Gullane, MD</td>
<td>Toronto General Hsp, Toronto, ON</td>
</tr>
<tr>
<td>Kevin McLoughlin Patrick Higgins, MD, MSc, FRCSC</td>
<td>Sunnybrook Health Sciences Center, Odette Cancer Center, Toronto, ON</td>
</tr>
<tr>
<td>Jonathan Irish, MD, FRCSC</td>
<td>Princess Margaret Cancer Centre, University Health Network, Toronto, ON</td>
</tr>
<tr>
<td>John Kim, MD</td>
<td>Princess Margaret Cancer Centre, University Health Network, Toronto, ON</td>
</tr>
<tr>
<td>Rosemary Martino, MSc, PhD</td>
<td>University ofToronto, Toronto, ON</td>
</tr>
<tr>
<td>Brian O’Sullivan, MD</td>
<td>Princess Margaret Hospital, Toronto, ON</td>
</tr>
<tr>
<td>G Jolie Ringash, MD</td>
<td>Princess Margaret Cancer Centre and The University of Toronto, Toronto, ON</td>
</tr>
</tbody>
</table>
## Faculty Listing

| Hadi Seikaly, MD, FRCSC - University of Alberta, Edmonton, AB |
| Lillian L. Siu, MD - University of Toronto, Toronto, ON |
| John Waldron, MD - University of Toronto, Toronto, ON |
| Dave Williams, MD - Southlake Regional Health Centre, Newmarket, ON |
| Ian James Witterick, MD, FRCSC - University of Toronto, Toronto, ON |
| John Yoo, MD, FRCSC, FACS - Western University, London, ON |
| Eugene Yu, MD - Princess Margaret Cancer Centre - University of Toronto, Toronto, ON |
| Jimmy Yu Wai Chan, MD, MS, MRCS (Ed), FCSHK, FHKAM - University of Hong Kong, Hong Kong |
| Yi Li, MD - West China Hospital of Stomatology, Sichuan University, Chengdu |
| Jiade Lu, MD, MBA - Shanghai Proton and Heavy Ion Center, Shanghai |
| Xin Zhang, MD, PhD - Xiangya School of Medicine of Central South University, Changsha |
| Miljenko Bura, MD, PhD - KBC Zagreb, Zagreb |
| Jan Klozar, MD - Charles University, Prague |
| Christian von Buchwald, MD - University of Copenhagen, Copenhagen |
| Ayman Abdel-Wahab Amin, MD - NCI, Cairo University, Cairo |
| Antti Makitie, MD, PhD - University of Helsinki, Helsinki |
| Dominique Chevalier, MD - University Medical Center Lille, Lille |
| Sylvie Delanian, MD, PhD - Hôpital Saint Louis, APHP, Paris |
| Andreas Dietz, MD - University of Leipzig, Leipzig |
| Stephan Lang, MD - University of Essen, ESSEN |
| Inge Tinhofer, PhD - Charité University Hospital, Berlin |
| Barbara Wollenberg, MD, PhD - University of Lübeck, Lübeck |
| Mererid Evans, MD, PhD - Velindre NHS Trust, Cardiff |
| Athanasios Argiris, MD - Hygeia Hospital, Athens |
| Anthony T C Chan, MD - The Chinese University of Hong Kong, Hong Kong |
| Anne W M Lee, MD - The University of Hong Kong, Hong Kong |
| Pankaj Chaturvedi, MBBS, MS - Tata Memorial Hospital, Mumbai |
| Shamit Chopra, MD, MBBS, MS - Patel Hospital, Jalandhar City |
| Anil K. D’Cruz, MD - Tata Memorial Hospital, Mumbai |
| Prathamesh Pai, MS(ENT), DNB, DORL, MNAMS - Tata Memorial Centre, Mumbai |
| James Paul O’Neill, MD - The Royal College of Surgeons in Ireland, Dublin |
| Conrad Timon, MD - St. James Hospital, Dublin |
| Gideon Yacov Bachar, MD, MSc - Rabin Med Ctr, Petach Tikva |
Faculty Listing

Ilana Doweck, MD - Carmel
Medical Center and Rappoport
Faculty of Medicine, Technion,
Haifa

Dan M. Fliss, MD - Tel Aviv
Sourasky Med Ctr, Tel Aviv

Aron Popovtzer, MD - Rabin
Medical Center, Petah Tiqva

Jean-Yves Sichel, MD - Shaare
Zedek Medical Center, Jerusalem

ITALY

Lisa Licitra, MD - Fond. IRCCS
Istituto nazionale deiTumori -
Milano, Milan

Piero Nicolai, MD - University of
Brescia, Brescia

Giuseppe Spriano, MD -
National Cancer Institute Regina
Elena, Rome

JAPAN

Satoshi Fukuda, MD - Hokkaido
University Graduate School of
Medicine, Sapporo

Ryuichi Hayashi, MD - National
Cancer Center Hospital East,
Chiba

Ken-ichi Nibu, MD - Kobe
University Graduate School of
Medicine, Kobe

Seiichi Yoshimoto, MD -
National Cancer Center Hospital,
Tokyo

LUZEMBOURG

Marc J. Remacle, MD, PhD -
CHL, Luxembourg

NETHERLANDS

Robert J. Baatenburg de
Jong, MD, PhD - ErasmusMC,
Rotterdam

Remco De Bree, MD, PhD -
University Medical Center
Utrecht, Utrecht

C. René Leemans, MD, PhD -
VUmc Cancer Centre, Amsterdam

Michiel Van Den Brekel,
MD, PhD - Netherlands
Cancer Institute - Antoni van
Leeuwenhoek, Amsterdam

Max Witjes, MD - University
Medical Center Groningen,
Groningen

SINGAPORE

N. Gopalakrishna Iyer, MD,
PhD - National Cancer Centre,
Singapore

Thomas Kwok-Seng Loh, MD -
National University Health
System, Singapore

SOUTH KOREA

Chung-Hwan Baek, MD, PhD -
Sungkyunkwan University School
of Medicine, Seoul

Kwang Jae Cho, MD, PhD -
Catholic University of Korea,
UiJeongbu-si

Eun Chang Choi, MD -
Yonsei University Health
System, Department of
Otorhinolaryngology, Seoul

Min-Sik Kim, MD, PhD - The
Catholic University of Korea,
Seoul

Yoon Woo Koh, MD, PhD -
Yonsei University College of
Medicine, Seoul

Byung-Joo Lee, MD - Pusan
National University Hospital,
Busan

Kang-Dae Lee, MD - Kosin
University College of Medicine,
Busan

Young-Soo Rho, MD, PhD -
Hallym University, Seoul

Young-Ik Son, MD, PhD -
Sungkyunkwan University School
of Medicine, Gangnam-gu Seoul

Myung-Whun Sung, MD - Seoul
Natl Univ Hsp, Seoul

Kyung Tae, MD, PhD - Hanyang
University, Seoul

SWITZERLAND

Stephan Haerle, MD - Head and
Neck Center Hirslanden, Lucerne

Christian Heinrich Simon, MD -
CHUV, Lausanne

Sandro J. Stoeckli, MD -
Kantonsspital St.Gallen, St.Gallen

TAIWAN

Mu-Kuan Chen, MD - Changhua
Christian Hospital; Chung Shan
Medical University, Changhua
Faculty Listing

Chih-Yen Chien, MD - Kaohsiung Chang Gung Memorial Hospital, Chang Gung University, Kaohsiung
Sheng-Po Hao, MD - Shin Kong Wu Ho-Su Memorial Hospital, Taipei
Pei-Jen Lou, MD, PhD - National Taiwan University, Taipei
Sen-Tien Tsai, MD - National Cheng Kung University Hospital, Tainan
Chen-Chi Wang, MD - Taichung Veterans General Hospital, Taichung City
Tsung-Lin Yang, MD, PhD - National Taiwan University Hospital, Taipei

TURKEY
Metin Onerci, MD - Hacettepe University, Ankara
Sefik A. Hosal, MD - LIV Hospital, Ankara

UNITED KINGDOM
Nigel J. Beasley, FRCS, MBBS - Nottingham University Hospital, Nottingham
James S. Brown, MD - Aintree University Hospital and Liverpool University, Liverpool
Hisham Mehanna, PhD, MD - Institute of Head and Neck Studies and Education, University of Birmingham, Birmingham
Jo Patterson, MD - Institute of Health and Society, Newcastle

UNITED STATES
David J. Adelstein, MD - Cleveland Clinic Lerner College of Medicine, Cleveland, OH
Amit Agrawal, MD - James Cancer Hospital and Solove Research Institute, The Ohio State University, Columbus, OH
Peter E. Andersen, MD - Oregon Health and Sciences University, Portland, OR
Yoshimi Anzai, MD, MPH - University of Utah Health Care, Salt Lake City, UT
William B. Armstrong, MD - University of California, Irvine, Irvine, CA
Nafi Aygun, MD - Johns Hopkins University, Baltimore, MD
Julie E. Bauman, MD - University of Pittsburgh Cancer Institute, Pittsburgh, PA
Shrujal Baxi, MD - Memorial Sloan Kettering Cancer Center, New York, NY
Jonathan J. Beitler, MD, MBA, FACS - Winship Cancer Center of Emory University, Atlanta, GA
R. Bryan Bell, MD, DDS - Providence Cancer Center, Portland, OR
Shailender Bhatia, MD - University of Washington, Seattle, WA
Elizabeth A. Blair, MD - University of Chicago, Chicago, IL
Jay O. Boyle, MD - Memorial Sloan Kettering Cancer Center, New York, NY
Carol R. Bradford, MD - University of Michigan, Ann Arbor, MI
Barton F. Branstetter, IV, MD - University of Pittsburgh, Pittsburgh, PA
Marcia Brose, MD, PhD - Perelman School of Medicine at the University of Pennsylvania, Philadelphia, PA
Yelena N. Brukhis, PAC - University of Washington, Seattle, WA
Kevin T. Brumund, MD - UCSD Moores Cancer Center, San Diego, CA
Jeffrey M. Bumpous, MD - University of Louisville School of Medicine, Louisville, KY
Brian B. Burkey, MD, MEd - Cleveland Clinic Foundation, Cleveland, OH
Barbara A. Burtness, MD - Yale University School of Medicine and Yale Cancer Center, New Haven, CT
Jon Newton Burton, MD - James A Haley Veterans’ Hospital, Tampa, FL
Faculty Listing

Emiro Ejwin Caicedo-Granados, MD - Univ of Minnesota, Minneapolis, MN
Joseph Anthony Califano, MD - University of California San Diego, San Diego, CA
Giselle Carnaby, PhD, MPH - University of Central Florida, Orlando, FL
William R. Carroll, MD - University of Alabama - Birmingham, Birmingham, AL
Andre Lopes Carvalho, MD, PhD - University of Washington, Seattle, WA
Anil Chaturvedi, MD - NIH, Bethesda, MD
Amy Y. Chen, MD, MPH - Emory University, Atlanta, GA
Zhuo (Georgia) Chen, PhD - Emory University Winship Cancer Institute, Atlanta, GA
Simion Chiosea, MD - University of Pittsburgh Medical Center, Pittsburgh, PA
Laura Chow, MD - Seattle Cancer Care Alliance, Seattle, WA
Christine Chung, MD - Moffitt Cancer Center, Tampa, FL
Francisco J. Civantos, MD - University of Miami, Miami, FL
Gary L. Clayman, MD, DDS - The University of Texas MD Anderson Cancer Center, Houston, TX
Andy Clump, MD, PhD - UPMC, Pittsburgh, PA
David M. Cognetti, MD - Thomas Jefferson University Hospital, Philadelphia, PA
Ezra E.W. Cohen, MD - University of California San Diego, La Jolla, CA
A Dimitrios Colevas, MD - Stanford University, Stanford, CA
Curt Cronin, CEO - Kaizen International, San Carlos, CA
Joseph M. Curry, MD - Thomas Jefferson University, Philadelphia, PA
Louise Davies, MD, MS - VA Outcomes Group / Geisel School of Medicine, Dartmouth, White River Junction, VT
Terry A. Day, MD - Hollings Cancer Center, MUSC, Charleston, SC
Daniel G. Deschler, MD - Massachusetts Eye and Ear Infirmary, Harvard Medical School, Boston, MA
Eric J. Dierks, MD, DMD - Oregon Health and Science University, Portland, OR
Laurence J. Dinardo, MD - VCU Massey Cancer Center, Richmond, VA
Vasu Divi, MD - Stanford University, Stanford, CA
Umamaheswar Duvvuri, MD, PhD - University of Pittsburgh, Pittsburgh, PA
Peter T. Dziegielewski, MD, FRCSC - University of Florida, Gainesville, FL
David W. Eisele, MD - Johns Hopkins University, Baltimore, MD
Mark W. El-Deiry, MD - Emory Univ Hosp-Midtown, Atlanta, GA
Ramon Esclamado, MD - Duke University, Durham, NC
Carole Fakhry, MD, MPH - Johns Hopkins University, Baltimore, MD
D. Gregory Farwell, MD - University of California, Davis, Sacramento, CA
Rui Fernandes, MD, DMD - Univ of FL, Shands Jacksonville, Jacksonville, FL
Robert L. Ferris, MD, PhD - University of Pittsburgh, Pittsburgh, PA
Mitchell J. Frederick, PhD - The University of Texas MD Anderson Cancer Center, Houston, TX
Paul L. Friedlander, MD - Tulane University, New Orleans, LA
Clifton D. Fuller, MD, PhD - MD Anderson Cancer Center, Houston, TX
## Faculty Listing

<table>
<thead>
<tr>
<th>Name</th>
<th>Affiliation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Neal D. Futran, MD, DMD</td>
<td>University of Washington, Seattle, WA</td>
</tr>
<tr>
<td>Edward C. Gabalski, MD</td>
<td>Northwell Health System, New Hyde Park, NY</td>
</tr>
<tr>
<td>Denise Galloway, PhD</td>
<td>Fred Hutchinson Cancer Research Center, Seattle, WA</td>
</tr>
<tr>
<td>Ian Ganly, MD, PhD</td>
<td>Memorial Sloan Kettering Cancer Center, New York, NY</td>
</tr>
<tr>
<td>Eric Genden, MD</td>
<td>Mount Sinai Hospital, New York, NY</td>
</tr>
<tr>
<td>Michael Gibson, MD, PhD</td>
<td>University Hospitals, Cleveland, OH</td>
</tr>
<tr>
<td>Ann M. Gillenwater, MD</td>
<td>MD Anderson Cancer Center, Houston, TX</td>
</tr>
<tr>
<td>M. Boyd Gillespie, MD, MS</td>
<td>Medical University of South Carolina, Charleston, SC</td>
</tr>
<tr>
<td>Lawrence E. Ginsberg, MD</td>
<td>MD Anderson Cancer Center, Houston, TX</td>
</tr>
<tr>
<td>Laureano A. Giraldez-Rodriguez, MD</td>
<td>The Voice and Swallowing Center of Puerto Rico, San Juan, PR</td>
</tr>
<tr>
<td>Douglas A. Girod, MD</td>
<td>University of Kansas Medical Center, Kansas City, KS</td>
</tr>
<tr>
<td>Joseph Blake Golden, MD</td>
<td>Tripler Army Medical Center, Honolulu, HI</td>
</tr>
<tr>
<td>David Goldenberg, MD</td>
<td>Penn State University College of Medicine, Hummelstown, PA</td>
</tr>
<tr>
<td>Jennifer Rubin Grandis, MD</td>
<td>University of California, San Francisco, San Francisco, CA</td>
</tr>
<tr>
<td>Ben Greene, MD</td>
<td>University of Alabama - Birmingham, Birmingham, AL</td>
</tr>
<tr>
<td>Neil Gross, MD</td>
<td>MD Anderson Cancer Center, Houston, TX</td>
</tr>
<tr>
<td>J Silvio Gutkind, PhD</td>
<td>University of California San Diego, La Jolla, CA</td>
</tr>
<tr>
<td>Patrick Kyongmin Ha, MD</td>
<td>University of California, San Francisco, San Francisco, CA</td>
</tr>
<tr>
<td>Trevor G. Hackman, MD</td>
<td>Univ of NC at Chapel Hill, Chapel Hill, NC</td>
</tr>
<tr>
<td>Robert I. Haddad, MD</td>
<td>Harvard Medical School, Boston, MA</td>
</tr>
<tr>
<td>Ehab Y. Hanna, MD</td>
<td>MD Anderson Cancer Ctr, Houston, TX</td>
</tr>
<tr>
<td>Gady Har-El, MD</td>
<td>Lenox Hill Hospital, New York, NY</td>
</tr>
<tr>
<td>Wendy Hara, MD</td>
<td>Stanford University, Stanford, CA</td>
</tr>
<tr>
<td>Paul M. Harari, MD</td>
<td>University of Wisconsin, Madison, WI</td>
</tr>
<tr>
<td>Louis Harrison, MD, FASTRO</td>
<td>Moffitt Cancer Center, Tampa, FL</td>
</tr>
<tr>
<td>Bryan Haugen, MD</td>
<td>University of Colorado School of Medicine, Aurora, CO</td>
</tr>
<tr>
<td>Bruce H. Haughey, MBChB FACS FRACS</td>
<td>Washington University in St Louis, St Louis, MO</td>
</tr>
<tr>
<td>Neil Hayes, MD, MPH</td>
<td>University of North Carolina at Chapel Hill, Chapel Hill, NC</td>
</tr>
<tr>
<td>Chase Heaton, MD</td>
<td>University of California San Francisco, San Francisco, CA</td>
</tr>
<tr>
<td>Joseph Helman, DMD</td>
<td>University of Michigan, Ann Arbor, MI</td>
</tr>
<tr>
<td>Amy C. Hessel, MD</td>
<td>MD Anderson Cancer Ctr, Houston, TX</td>
</tr>
<tr>
<td>Michael L. Hinni, MD</td>
<td>Mayo Clinic, Phoenix, AZ</td>
</tr>
<tr>
<td>Chris Holsinger, MD</td>
<td>Stanford University, Palo Alto, CA</td>
</tr>
<tr>
<td>Jason Patrick Hunt, MD</td>
<td>University of Utah, Salt Lake City, UT</td>
</tr>
<tr>
<td>Katherine A. Hutcheson, MD</td>
<td>The University of Texas MD Anderson Cancer Center, Houston, TX</td>
</tr>
<tr>
<td>Lana L. Jackson, MD</td>
<td>Univ of Mississippi Med Ctr, Jackson, MS</td>
</tr>
<tr>
<td>Scharukh Jalisi, MD, MA</td>
<td>Boston University, Boston, MA</td>
</tr>
<tr>
<td>Mark J. Jameson, MD, PhD</td>
<td>University of Virginia Health System, Charlottesville, VA</td>
</tr>
</tbody>
</table>
Faculty Listing

Gina D. Jefferson, MD - University of Illinois College of Medicine, Chicago, IL
Jonas T. Johnson, MD - University of Pittsburgh School of Medicine, Pittsburgh, PA
Benjamin Judson, MD - Yale Univ, New Haven, CT
Emad Kandil, MBBCh - Tulane University, New Orleans, LA
Stephen Y. Kang, MD - James Cancer Hospital and Solove Research Institute, The Ohio State University, Columbus, OH
Martin Kast, PhD - USC/Norris Comprehensive Cancer Center, Los Angeles, CA
Alexandra E. Kejner, MD - Yale School of Medicine, New Haven, CT
Steve Kim, MD - UPMC Cancer Center, Pittsburgh, PA
Seungwon Kim, MD - Eye & Ear Hospital, Pittsburgh, PA
Daniel Knott, MD - University of California, San Francisco, San Francisco, CA
Wayne M. Koch, MD - Johns Hopkins University, Baltimore, MD
Dennis H. Kraus, MD - NS-LIJ Lenox Hill - New York Head & Neck Institute, New York, NY
Michael Kupferman, MD - MD Anderson Cancer Center, Houston, TX
Stephen Y. Lai, MD, PhD - University of Texas MD Anderson Cancer Center, Houston, TX
Miriam Lango, MD - Fox Chase Cancer Center, Temple University Health System, Philadelphia, PA
Amy Anne Donatelli Lassig, MD, BA - University of Minnesota, Minneapolis, MN
Pierre Lavertu, MD - University Hsps of Cleveland, Cleveland, OH
Quynh-Thu Le, MD - Stanford University, Stanford, CA
Nancy Y. Lee, MD - Memorial Sloan Kettering Cancer Center, New York, NY
John H. Lee, MD - Sanford Health, Sioux Falls, SD
Rom Leidner, MD - Providence Cancer Center, Portland, OR
Jan S. Lewin, MD - The University of Texas MD Anderson Cancer Center, Houston, TX
Timothy S. Lian, MD - Louisiana State University Health Shreveport, Shreveport, LA
Derrick Lin, MD - Mass Eye and Ear/Mass General Hospital, Boston, MA
Robert Roman Lorenz, MD - Cleveland Clinic, Cleveland, OH
William M. Lydiatt, MD - Nebraska Methodist Hospital, Omaha, NE
Ellie Maghami, MD - City of Hope, Duarte, CA
Jeffery Scott Magnuson, MD - Head & Neck Surgery Ctr of FL, Celebration, FL
Kelly Michele Malloy, MD - University of Michigan, Ann Arbor, MI
Susan Dixon McCammon, MD - UTMB, Galveston, TX
Timothy M. McCulloch, MD - University of Wisconsin, Madison, WI
Andrew McWhorter, MD - LSUHSC New Orleans, Baton Rouge, LA
Vikas Mehta, MD - Louisiana State University Health Shreveport, Shreveport, LA
Eduardo Mendez, MD - University of Washington, Seattle, WA
Brett A. Miles, MD - Icahn School of Medicine at Mount Sinai, New York, NY
Oleg Militsakh, MD - Nebraska Medicine and Nebraska Methodist Hospitals, Omaha, NE
Matthew Christopher Miller, MD - University of Rochester Medical Center, Rochester, MN
Michael Geoffrey Moore, MD - Indiana University School of Medicine, Indianapolis, IN
Faculty Listing

Mauricio Alejandro Moreno, MD - University of Arkansas for Medical Sciences, Little Rock, AR
Luc G.T. Morris, MD MSc - Memorial Sloan Kettering Cancer Center, New York, NY
Edmund Mroz, PhD - The Ohio State University, Columbus, OH
Barbara A. Murphy, MD - Vanderbilt Med Ctr, Nashville, TN
Larry L. Myers, MD - University of Texas Southwestern Medical Center, Dallas, TX
Jeffrey N. Myers, MD, PhD - The University of Texas MD Anderson Cancer Center, Houston, TX
David Myssiorek, MD - NYU Medical Center, New York, NY
Melonie Adia Nance, MD - University of Pittsburgh School of Medicine, Pittsburgh, PA
Cherie-Ann O. Nathan, MD - Louisiana State University Health, Shreveport, LA
James L. Netterville, MD - Vanderbilt Bill Wilkerson Center, Nashville, TN
Jacques Eduardo Nor, DDS, MS, PhD - University of Michigan, Ann Arbor, MI
Brian Nussenbaum, MD - Washington University School of Medicine, Saint Louis, MO
Bert W. O’Malley, MD - Univ of PA, Philadelphia, PA
Matthew Old, MD - The Ohio State University, Columbus, OH
Frank Ondrey, MD, PhD - University of Minnesota, Minneapolis, MN
Enver Ozer, MD - The Ohio State University Wexner Medical Center, Columbus, OH
Quintin Pan, PhD - The Ohio State University Wexner Medical Center, Columbus, OH
Urjeet A. Patel, MD - Northwestern University, Chicago, IL
Kepal N. Patel, MD - NYU Langone Medical Center, New York, NY
Joseph A. Paydarfar, MD - Dartmouth Hitchcock Medical Center, Lebanon, NH
Phillip Pellitteri, DO - Guthrie Health System, Sayre, PA
Karen T. Pitman, MD - Banner MD Anderson Cancer Center, Gilbert, AZ
Anna Maria Pou, MD - Louisiana State University Health Sciences Center, New Orleans, LA
Edmund Deazevedo Pribitkin, MD - Thomas Jefferson University, Philadelphia, PA
Liana Puscas, MD - Duke University, Durham, NC
Harry Quon, MD - Johns Hopkins University, Baltimore, MD
David Raben, MD - Univ of CO at Denver, Aurora, CO
Adam Raben, MD - Helen F. Graham Cancer Center and Research Institute, Newark, DE
Gregory L. Randolph, MD - Harvard Medical School, Boston, MA
Christopher H. Rassemek, MD - University of Pennsylvania, Philadelphia, PA
Tanya Rath, MD - University of Pittsburgh Medical Center, Pittsburgh, PA
Rod Rezaee, MD - University Hospitals Case Medical Center, Cleveland, OH
Jeremy Richmon, MD - Johns Hopkins University, Baltimore, MD
John A. Ridge, MD, PhD - Fox Chase Cancer Center, Philadelphia, PA
James Rocco, MD, PhD - The Ohio State University Wexner Medical Center, Columbus, OH
Cristina P. Rodriguez, MD - University of Washington, Seattle, WA
Eben L. Rosenthal, MD - Stanford Cancer Center, Palo Alto, CA
David I. Rosenthal, MD - MD Anderson Cancer Center, Houston, TX
Faculty Listing

William Russell Ryan, MD - UC San Francisco, San Francisco, CA
Nabil Saba, MD - Winship Cancer Institute of Emory University, Atlanta, GA
Benjamin Eli Saltman, MD - Northwell Health System, New Hyde Park, NY
Zoukaa B. Sargi, MD, MPH - University of Miami, Miami, FL
Panayiotis Savvides, MD, PhD, MPH - Dignity Health, Phoenix, AZ
Joseph Scharpf, MD - Cleveland Clinic Foundation, Cleveland, OH
Cecelia Schmalbach, MD, MS - Indiana University, Indianapolis, IN
Nicole C. Schmitt, MD - Johns Hopkins University and National Institutes of Health, Bethesda, MD
Raja Seethala, MD - University of Pittsburgh School of Medicine, Pittsburgh, PA
Tanguy Seiwert, MD - University of Chicago, Chicago, IL
Rahul Seth, MD - University of California, San Francisco, San Francisco, CA
Jatin P. Shah, MD, PhD (Hon.), DSc(Hon), FRCS(Hon) - Memorial Sloan Kettering Cancer Center, New York, NY
Ashok R. Shaha, MD - Memorial Sloan Kettering Cancer Center, New York, NY
Dong Moon Shin, MD - Emory University SOM, Atlanta, GA
Maisie Shindo, MD - Oregon Health & Science University, Portland, OR
Yasaman Shirazi, PhD - NIDCR, NIH, Bethesda, MD
Yelizaveta Lisa Shnayder, MD - University of Kansas School of Medicine, Kansas City, KS
David Charles Shonka, MD - University of Virginia, Charlottesville, VA
Mark G. Shrime, MD, MPH, PhD - Massachusetts Eye and Ear Infirmary, Harvard Medical School, Boston, MA
Andrew G. Shuman, MD - University of Michigan, Ann Arbor, MI
Farzan Siddiqui, MD, PhD - Henry Ford Health System, Detroit, MI
Andrew G. Sikora, MD, PhD - Baylor College of Medicine, Houston, TX
Alfred A. Simental, MD - Loma Linda University School of Medicine, Loma Linda, CA
Catherine Fiona Sinclair, MD, FRACS - St Luke’s & Roosevelt Hospital, New York, NY
Michael C. Singer, MD - Henry Ford Health System, Detroit, MI
Russell B. Smith, MD - Nebraska Methodist Hospital, Omaha, NE
Richard V. Smith, MD - Albert Einstein College of Medicine, Bronx, NY
Carl H. Snyderman, MD, MBA - University of Pittsburgh School of Medicine, Pittsburgh, PA
Sharon A. Spencer, MD - University of Alabama - Birmingham, Birmingham, AL
Maie St John, MD, PhD - University of California, Los Angeles, Los Angeles, CA
Brendan C. Stack, MD, FACE - University of Arkansas for Medical Sciences, Little Rock, AR
Michael Stadler, MD - Medical College of Wisconsin, Milwaukee, WI
Heather Starmer, MA - Stanford University, Palo Alto, CA
David Steward, MD - University of Cincinnati College of Medicine, Cincinnati, OH
Carol Stimson, ARNP - UM Medicine, Seattle, WA
Erich M. Sturgis, MD - UT MD Anderson Cancer Center, Houston, TX
Rathan Subramaniam, MD, PhD - UT Southwestern, Dallas, TX
John Sunwoo, MD - Stanford University, Stanford, CA
Matthew Tamplen, MD - University of California, San Francisco, San Francisco, CA
Marita Shan-Shan Teng, MD - Mount Sinai School of Medicine, New York, NY
David J. Terris, MD - Augusta University, Augusta, GA
Giovana R. Thomas, MD - University of Miami Health System, Miami, FL
Eric Joseph Thorpe, MD - Loyola Univ Medical Ctr, Maywood, IL
Harvey M. Tucker, MD - University Hsps of Cleveland, Cleveland, OH
Ralph P. Tufano, MD - Johns Hopkins Medical Institution, Baltimore, MD
Ravindra Uppaluri, MD, PhD - Washington University School of Medicine, St. Louis, MO
Mark L. Urken, MD - Icahn School of Medicine at Mount Sinai, New York, NY
Carter Van Waes, MD, PhD - NIDCD, NIH, Bethesda, MD
Sundar Venkatachalam, MD, PhD - NIDCR, NIH, Bethesda, MD
Rohan Ramchandra Walvekar, MD - LSU Health Sciences Center, New Orleans, LA
Steven Joseph Wang, MD - University of Arizona College of Medicine, Tucson, AZ
Eric Wang, MD - UPMC Center for Cranial Base Surgery, Pittsburgh, PA
Mark K. Wax, MD - OHSU, Portland, OR
Randal S. Weber, MD - University of Texas MD Anderson Cancer Center, Houston, TX
Donald T. Weed, MD - University of Miami Miller School of Medicine, Miami, FL
Gregory S. Weinstein, MD - The University of Pennsylvania, Philadelphia, PA
Mark C. Weissler, MD - University of North Carolina, Chapel Hill, Chapel Hill, NC
William N William Jr, MD - MD Anderson Cancer Center, Houston, TX
Lori Wirth, MD - Dana-Farber/ Harvard Cancer Center, Boston, MA
Robert L. Witt, MD - Christiana Care/Thomas Jefferson University, Newark, DE
Richard J. Wong, MD - Memorial Sloan-Kettering Cancer Center, New York, NY
Francis Paul Worden, MD - Univ of MI Health System, Ann Arbor, MI
Eddy S. Yang, MD, PhD - University of Alabama - Birmingham, Birmingham, AL
Min Yao, MD, PhD - University Hospitals, Cleveland, OH
Wendell Gray Yarbrough, MD, MMHC - Yale School of Medicine, New Haven, CT
Sue Yom, MD - University of California, San Francisco, San Francisco, CA
Bevan Yueh, MD - University of Minnesota, Minneapolis, MN
Adam Zanation, MD - University of North Carolina, Chapel Hill, NC
Chad Zender, MD - University Hospitals, Cleveland, OH
Jose Pedro Zevallos, MD, MPH - University of North Carolina at Chapel Hill, Chapel Hill, NC
### Faculty, Presenter & Planning Committee Disclosures

The following faculty & presenters provided information indicating they have a financial relationship with a commercial interest, which is defined as any entity producing, marketing, re-selling, or distributing health care goods or services consumed by, or used on, patients. (Financial relationships can include such things as grants or research support, employee, consultant, major stockholder, member of speaker’s bureau, etc.)

<table>
<thead>
<tr>
<th>Name</th>
<th>Commercial Interest</th>
<th>What Was Received</th>
<th>For What Role</th>
<th>Role in Meeting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Athanasios Argiris</td>
<td>BMS</td>
<td>Consulting Fee</td>
<td>Review Panel</td>
<td>International Advisory Committee, Faculty</td>
</tr>
<tr>
<td></td>
<td>Merck-Serono</td>
<td>Honoraria</td>
<td>Consultant</td>
<td></td>
</tr>
<tr>
<td>Robert Baatenburg de Jong</td>
<td>Rive r D Diagnostics</td>
<td>Stockholder</td>
<td>share holder</td>
<td>International Advisory Committee, Faculty</td>
</tr>
<tr>
<td>Julie Bauman</td>
<td>Incyte Pharmaceuticals</td>
<td>Consulting Fee</td>
<td>Consultant</td>
<td>Program Committee, Faculty</td>
</tr>
<tr>
<td></td>
<td>Kolltan</td>
<td>Consulting Fee</td>
<td>Consultant</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Merck-Serono</td>
<td>Consulting Fee</td>
<td>Consultant</td>
<td></td>
</tr>
<tr>
<td>Shrujal Baxi</td>
<td>Astra Zeneca</td>
<td>Research</td>
<td>Advisory Committee</td>
<td>Faculty</td>
</tr>
<tr>
<td></td>
<td>BMS</td>
<td>Consulting Fee</td>
<td>Consultant</td>
<td></td>
</tr>
<tr>
<td>R. Bryan Bell</td>
<td>Bristol Myers Squibb</td>
<td>Research</td>
<td>BMS II-ON Laboratory Research</td>
<td>Program Committee, Faculty</td>
</tr>
<tr>
<td></td>
<td>Janssen Pharmaceutical</td>
<td>Consulting Fee</td>
<td>Advisory Committee</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Stryker</td>
<td>Consulting Fee</td>
<td>Speaking/Teaching</td>
<td></td>
</tr>
<tr>
<td>Brian Burkey</td>
<td>ATOS Medical Corp.</td>
<td>Travel expenses for international meeting</td>
<td>Speaking/Teaching</td>
<td>Faculty, CME Committee</td>
</tr>
<tr>
<td>Barbara Burtness</td>
<td>Boehringer Ingelheim</td>
<td>Honoraria</td>
<td>Consultant</td>
<td>Program Committee, Faculty</td>
</tr>
<tr>
<td></td>
<td>Merck</td>
<td>Research</td>
<td>Research support to my institution</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Amgen</td>
<td>Honoraria</td>
<td>Advisory Committee</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Medimmune</td>
<td>Honoraria</td>
<td>Consultant</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Merck</td>
<td>Honoraria</td>
<td>Advisory Committee</td>
<td></td>
</tr>
<tr>
<td></td>
<td>VentiRx</td>
<td>Honoraria</td>
<td>Consultant</td>
<td></td>
</tr>
<tr>
<td>Christine Chung</td>
<td>Immunogen</td>
<td>Research</td>
<td>Principal Investigator</td>
<td>Program Committee, Faculty</td>
</tr>
<tr>
<td></td>
<td>Astra Zeneca</td>
<td>Consulting Fee</td>
<td>Consultant</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Merck</td>
<td>Consulting Fee</td>
<td>Advisory Committee</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Novartis</td>
<td>Honoraria</td>
<td>Advisory Committee</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Boehringer Ingelheim</td>
<td>Research</td>
<td>Consultant</td>
<td></td>
</tr>
<tr>
<td>David Cognetti</td>
<td>Intuitive Surgical</td>
<td>Honoraria</td>
<td>Case observation site.</td>
<td>Faculty</td>
</tr>
<tr>
<td>Ezra Cohen</td>
<td>AstraZeneca</td>
<td>Honoraria</td>
<td>Consultant</td>
<td>Program Committee, Faculty</td>
</tr>
<tr>
<td></td>
<td>Bayer</td>
<td>Consulting Fee</td>
<td>Consultant</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Celgene</td>
<td>Honoraria</td>
<td>Consultant</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Eisai</td>
<td>Honoraria</td>
<td>Consultant</td>
<td></td>
</tr>
<tr>
<td></td>
<td>GenMab</td>
<td>Honoraria</td>
<td>Advisory Committee</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Merck</td>
<td>Consulting Fee</td>
<td>Consultant</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Merck Serono</td>
<td>Honoraria</td>
<td>Consultant</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Pfizer</td>
<td>Honoraria</td>
<td>Consultant</td>
<td></td>
</tr>
<tr>
<td>Eric Dierks</td>
<td>KLS-Martin</td>
<td>Honoraria</td>
<td>Speaking/Teaching</td>
<td>Faculty</td>
</tr>
<tr>
<td>Camille Farah</td>
<td>Olympus</td>
<td>Research</td>
<td>Chief investigator of clinical and molecular research supported in kind only by industry and funded financially by Federal and State Governments of Australia.</td>
<td>Faculty</td>
</tr>
<tr>
<td></td>
<td>Gentile</td>
<td>Honoraria</td>
<td>Consultant</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Eisai</td>
<td>Honoraria</td>
<td>Consultant</td>
<td></td>
</tr>
<tr>
<td></td>
<td>GenMab</td>
<td>Honoraria</td>
<td>Advisory Committee</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Merck</td>
<td>Consulting Fee</td>
<td>Consultant</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Merck Serono</td>
<td>Honoraria</td>
<td>Consultant</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Pfizer</td>
<td>Honoraria</td>
<td>Consultant</td>
<td></td>
</tr>
<tr>
<td>D. Gregory Farwell</td>
<td>AO-ASIF</td>
<td>Honoraria</td>
<td>Board Member</td>
<td>Scientific Review Committee, Faculty, Presenter</td>
</tr>
<tr>
<td></td>
<td>Intuitive</td>
<td>Research</td>
<td>CoPI on R01 Grant</td>
<td></td>
</tr>
<tr>
<td>Name</td>
<td>Commercial Interest</td>
<td>What Was Received</td>
<td>For What Role</td>
<td>Role in Meeting</td>
</tr>
<tr>
<td>-----------------------</td>
<td>---------------------</td>
<td>----------------------------</td>
<td>-------------------------------------------------------------------------------</td>
<td>----------------------------------------</td>
</tr>
<tr>
<td>Raphael Feinmesser</td>
<td>Cel Sci</td>
<td>Research</td>
<td>PI clinical trial at the Rabin Medical Center (effect of Multikine on advanced head and neck tumors)</td>
<td>International Advisory Committee</td>
</tr>
<tr>
<td>Robert Ferris</td>
<td>BMS</td>
<td>Research</td>
<td>Research Funding</td>
<td>Planning Committee, Program Committee, Faculty, Presenter</td>
</tr>
<tr>
<td></td>
<td>AZ/Medimmune</td>
<td>Research</td>
<td>Research/Grant Funding</td>
<td></td>
</tr>
<tr>
<td></td>
<td>AZ/Medimmune</td>
<td>Honoraria</td>
<td>Advisory Committee</td>
<td></td>
</tr>
<tr>
<td></td>
<td>BMS</td>
<td>Honoraria</td>
<td>Advisory Committee</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Celgene</td>
<td>Honoraria</td>
<td>Advisory Committee</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Merck</td>
<td>Honoraria</td>
<td>Advisory Committee</td>
<td></td>
</tr>
<tr>
<td>Clifton Fuller</td>
<td>Elekta AB/MD Anderson MRI-LinAc</td>
<td>Research Grant</td>
<td>Researcher</td>
<td>Faculty</td>
</tr>
<tr>
<td></td>
<td>GE Health Technologies/ MD Anderson Center</td>
<td>Research Grant</td>
<td>Researcher</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Elekta AB</td>
<td>Travel Support</td>
<td>Consultant</td>
<td></td>
</tr>
<tr>
<td>Edward Gabalski</td>
<td>Pfizer</td>
<td>Stockholder</td>
<td>Stockholder</td>
<td>Faculty</td>
</tr>
<tr>
<td>Denise Galloway</td>
<td>Merck</td>
<td>Honoraria</td>
<td>Advisory Committee</td>
<td></td>
</tr>
<tr>
<td>M. Boyd Gillespie</td>
<td>Olympus</td>
<td>Research</td>
<td>Research, Consultant</td>
<td>Program Committee, Faculty</td>
</tr>
<tr>
<td></td>
<td>Inspire Medical</td>
<td>Research</td>
<td>Researcher</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Medtronic</td>
<td>Consulting Fee</td>
<td>Consultant</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Omniguide</td>
<td>Consulting Fee</td>
<td>Consultant</td>
<td></td>
</tr>
<tr>
<td>Hernan Gonzalez</td>
<td>GeneproDx</td>
<td>Stockholder</td>
<td>Board Member</td>
<td>International Advisory Committee</td>
</tr>
<tr>
<td>Patrick Ha</td>
<td>Bristol-Myers</td>
<td>Honoraria</td>
<td>Consultant</td>
<td>Program Committee, Faculty</td>
</tr>
<tr>
<td>Robert Haddad</td>
<td>Astra Zeneca</td>
<td>Research</td>
<td>PI Clinical trial</td>
<td>Program Committee, Faculty</td>
</tr>
<tr>
<td></td>
<td>BMS</td>
<td>Research</td>
<td>PI Clinical trial</td>
<td></td>
</tr>
<tr>
<td></td>
<td>cellgene</td>
<td>Research</td>
<td>PI Clinical Trial</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Merck</td>
<td>Research</td>
<td>PI Clinical trial</td>
<td></td>
</tr>
<tr>
<td></td>
<td>BMS</td>
<td>Consulting Fee</td>
<td>Consultant</td>
<td></td>
</tr>
<tr>
<td>Bruce Haughey</td>
<td>Karl Storz</td>
<td>Airfare</td>
<td>Airfare</td>
<td>Faculty</td>
</tr>
<tr>
<td></td>
<td>Elsevier</td>
<td>Royalty</td>
<td>Editor</td>
<td></td>
</tr>
<tr>
<td>Henry Hoffman</td>
<td>Cook Medical</td>
<td>Industry supported re-</td>
<td>Research Consultant</td>
<td>Scientific Review Committee</td>
</tr>
<tr>
<td></td>
<td></td>
<td>search, Intellectual property rights, Consulting fee</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Martin Kast</td>
<td>IRX Therapeutics</td>
<td>Research</td>
<td>Independent Contractor</td>
<td>Faculty</td>
</tr>
<tr>
<td>Stephen Lai</td>
<td>Navidea Biopharmaceuticals</td>
<td>Consulting Fee</td>
<td>Consultant</td>
<td>Scientific Review Committee, Faculty</td>
</tr>
<tr>
<td>C. Leemans</td>
<td>Merck</td>
<td>Consulting Fee</td>
<td>Advisory Committee</td>
<td>International Advisory Committee, Faculty</td>
</tr>
<tr>
<td>Marshall Levine</td>
<td>Astra Zeneca</td>
<td>Research</td>
<td>Primary investigator locally for multi-institutional study</td>
<td>Scientific Review Committee</td>
</tr>
<tr>
<td></td>
<td>Amgen</td>
<td>Stockholder</td>
<td>Stock ownership</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Gilead</td>
<td>Stockholder</td>
<td>Stock ownership</td>
<td></td>
</tr>
</tbody>
</table>
## Faculty, Presenter & Planning Committee Disclosures

<table>
<thead>
<tr>
<th>Name</th>
<th>Commercial Interest</th>
<th>What Was Received</th>
<th>For What Role</th>
<th>Role in Meeting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lisa Licitra</td>
<td>BMS</td>
<td>Research Funds received by my institution for clinical studies and research activities</td>
<td>Consultant</td>
<td>International Advisory Committee, Faculty</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Boehringer Ingelheim</td>
<td></td>
<td>Research Funds received by my institution for clinical studies and research activities</td>
<td>Consultant</td>
<td></td>
</tr>
<tr>
<td>EISAI</td>
<td></td>
<td>Research Funds received by my institution for clinical studies and research activities</td>
<td>Consultant</td>
<td></td>
</tr>
<tr>
<td>MSD</td>
<td></td>
<td>Research Funds received by my institution for clinical studies and research activities</td>
<td>Consultant</td>
<td></td>
</tr>
<tr>
<td>Novartis</td>
<td></td>
<td>Research Funds received by my institution for clinical studies and research activities</td>
<td>Consultant</td>
<td></td>
</tr>
<tr>
<td>Roche</td>
<td></td>
<td>Research Funds received by my institution for clinical studies and research activities</td>
<td>Consultant</td>
<td></td>
</tr>
<tr>
<td>Merk-Serono</td>
<td></td>
<td>Research Funds received by my institution for clinical studies and research activities</td>
<td>Consultant</td>
<td></td>
</tr>
<tr>
<td>Bayer</td>
<td></td>
<td>Travel coverage for medical meetings</td>
<td>Advisory Committee</td>
<td></td>
</tr>
<tr>
<td>Debiopharm</td>
<td></td>
<td>Travel Coverage for Medical Meetings</td>
<td>Advisory Committee</td>
<td></td>
</tr>
<tr>
<td>SOBI</td>
<td></td>
<td>Travel coverage for medical meetings</td>
<td>Advisory Committee</td>
<td></td>
</tr>
<tr>
<td>Astrazeneca</td>
<td></td>
<td>Consulting Fee</td>
<td>Consultant</td>
<td></td>
</tr>
<tr>
<td>Jeffery Magnuson</td>
<td>Intuitive Surgical Inc</td>
<td>Honoraria</td>
<td>Instructor</td>
<td>Faculty</td>
</tr>
<tr>
<td></td>
<td>Medrobotics - Consulting</td>
<td>Consulting Fee</td>
<td>Advisory Committee</td>
<td></td>
</tr>
<tr>
<td>Rosemary Martino</td>
<td>Amgen Inc</td>
<td>Research</td>
<td>Principal Investigator</td>
<td>Presenter</td>
</tr>
<tr>
<td>Andrew McWhorter</td>
<td>Lumenis</td>
<td>Honoraria</td>
<td>Speaking/Teaching</td>
<td>Faculty</td>
</tr>
<tr>
<td></td>
<td>Teleflex Pilling</td>
<td>Honoraria</td>
<td>Speaking/Teaching</td>
<td></td>
</tr>
<tr>
<td>Hisham Mehanna</td>
<td>Merck</td>
<td>Speakers Bureau</td>
<td>Speaking/Teaching</td>
<td>International Advisory Committee, Faculty</td>
</tr>
<tr>
<td></td>
<td>MSD</td>
<td>Speakers bureau</td>
<td>Speaking/Teaching</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Sanofi pastaeur</td>
<td>Speakers Bureau</td>
<td>Speaking/Teaching</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Astra Zeneca</td>
<td>Honoraria</td>
<td>Advisory Committee</td>
<td></td>
</tr>
<tr>
<td>Jason Newman</td>
<td>Visionscience, Inc.</td>
<td>Stockholder</td>
<td>Advisory Board</td>
<td>CME Committee</td>
</tr>
<tr>
<td>Phillip Pellitteri</td>
<td>Ethicon</td>
<td>Honoraria</td>
<td>Speaking/Teaching</td>
<td>Faculty</td>
</tr>
<tr>
<td></td>
<td>Sanofi</td>
<td>Honoraria</td>
<td>Speaking/Teaching</td>
<td>Scientific Review Committee</td>
</tr>
<tr>
<td>David Raben</td>
<td>Astra Zeneca</td>
<td>Salary</td>
<td>Consultant* (Note: this arrangement concluded June 30, 2016.)</td>
<td>Program Committee, Faculty</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Christopher Rassekh</td>
<td>Axogen Corp</td>
<td>Consulting Fee</td>
<td>Consultant</td>
<td>Faculty, Presenter</td>
</tr>
<tr>
<td></td>
<td>Axogen Corp</td>
<td>Limited Meeting Expense</td>
<td>Consultant</td>
<td></td>
</tr>
<tr>
<td>Rod Rezaee</td>
<td>biomet</td>
<td>Honoraria</td>
<td>Speaking/Teaching</td>
<td>Scientific Review Committee, Faculty</td>
</tr>
<tr>
<td></td>
<td>biomet</td>
<td>Consulting Fee</td>
<td>Consultant</td>
<td></td>
</tr>
<tr>
<td>David Rosenthal</td>
<td>Merck Serono</td>
<td>Consulting Fee</td>
<td>Advisory Committee</td>
<td>Program Committee, Faculty</td>
</tr>
<tr>
<td>Nabil Saba</td>
<td>BMS</td>
<td>Consulting Fee</td>
<td>Consultant</td>
<td>Faculty</td>
</tr>
<tr>
<td></td>
<td>Merck</td>
<td>Consulting Fee</td>
<td>Consultant</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Pfizer</td>
<td>Consulting Fee</td>
<td>Consultant</td>
<td></td>
</tr>
<tr>
<td>Richard Schwarz</td>
<td>Dental EZ</td>
<td>Royalty</td>
<td>CoAuthor of Patent</td>
<td>Presenter</td>
</tr>
</tbody>
</table>
## Faculty, Presenter & Planning Committee Disclosures

<table>
<thead>
<tr>
<th>Name</th>
<th>Commercial Interest</th>
<th>What Was Received</th>
<th>For What Role</th>
<th>Role in Meeting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tanguy Seiwert</td>
<td>Amgen</td>
<td>Honoraria</td>
<td>Advisory Committee</td>
<td>Program Committee, Faculty, Presenter</td>
</tr>
<tr>
<td>Astra Zeneca</td>
<td>Honoraria</td>
<td></td>
<td>Consultant</td>
<td></td>
</tr>
<tr>
<td>Astra Zeneca</td>
<td>Honoraria</td>
<td></td>
<td>Advisory Committee</td>
<td></td>
</tr>
<tr>
<td>BMS</td>
<td>Honoraria</td>
<td></td>
<td>Consultant</td>
<td></td>
</tr>
<tr>
<td>BMS</td>
<td>Honoraria</td>
<td></td>
<td>Advisory Committee</td>
<td></td>
</tr>
<tr>
<td>Merck/MSD</td>
<td>Honoraria</td>
<td></td>
<td>Consultant</td>
<td></td>
</tr>
<tr>
<td>Merck-Serono</td>
<td>Honoraria</td>
<td></td>
<td>Advisory Committee</td>
<td></td>
</tr>
<tr>
<td>Celgene</td>
<td>Honoraria</td>
<td></td>
<td>Advisory Committee</td>
<td></td>
</tr>
<tr>
<td>Jounce Therapeutics</td>
<td>Honoraria</td>
<td></td>
<td>Advisory Committee</td>
<td></td>
</tr>
<tr>
<td>Eric Sherman</td>
<td>Bayer</td>
<td>Consulting Fee</td>
<td>Consultant</td>
<td>Program Committee</td>
</tr>
<tr>
<td>Yelizaveta Shnayder</td>
<td>Hylapharm</td>
<td>Stockholder</td>
<td>Advisory Committee</td>
<td>Faculty</td>
</tr>
<tr>
<td>Mark Shrive</td>
<td>GE Foundation</td>
<td>Grant</td>
<td>Co-PI</td>
<td>Faculty</td>
</tr>
<tr>
<td>Farzan Siddiqui</td>
<td>Varian Medical</td>
<td>Research</td>
<td>Speaking/Teaching</td>
<td>Faculty</td>
</tr>
<tr>
<td>Andrew Sikora</td>
<td>Advaxis</td>
<td>Research</td>
<td>PI of investigator-initiated clinical trial</td>
<td>Faculty</td>
</tr>
<tr>
<td>Michael Singer</td>
<td>Medtronic</td>
<td>Consulting Fee</td>
<td>Consultant</td>
<td>Faculty</td>
</tr>
<tr>
<td>Carl Snyderman</td>
<td>SPIWay, LLC</td>
<td>Stockholder</td>
<td>Consultant</td>
<td>Faculty</td>
</tr>
<tr>
<td>Ernst Jan M. Speel</td>
<td>Pfizer</td>
<td>Research</td>
<td>Independent Contractor</td>
<td>Presenter</td>
</tr>
<tr>
<td>Rathana Subramaniam</td>
<td>Bayer Health Care</td>
<td>Research</td>
<td>Site Principal Investigator</td>
<td>Scientific Review Committee, Faculty</td>
</tr>
<tr>
<td>Padhya Tapan</td>
<td>Inspire Sleep</td>
<td>Research Grant &amp; Hono-</td>
<td>Research and Training</td>
<td>CME Committee</td>
</tr>
<tr>
<td>David Terris</td>
<td>Genzyme</td>
<td>Honoraria</td>
<td>Speaking/Teaching</td>
<td>Faculty</td>
</tr>
<tr>
<td>Raymond Tsang</td>
<td>China Premier Health</td>
<td>Honoraria</td>
<td>Board Member</td>
<td>Presenter</td>
</tr>
<tr>
<td>Ralph Tufano</td>
<td>Ethicon</td>
<td>Consulting Fee</td>
<td>Consultant</td>
<td>Program Committee, Faculty</td>
</tr>
<tr>
<td>Ravindra Uppaluri</td>
<td>Merck, Inc.</td>
<td>Research</td>
<td>I am the PI of a clinical trial at Washington University that is funded by Merck Inc.</td>
<td>Scientific Review Committee, Faculty</td>
</tr>
<tr>
<td></td>
<td>Merck Inc.</td>
<td>Honoraria</td>
<td>Advisory Committee</td>
<td></td>
</tr>
<tr>
<td>Jay Visaria</td>
<td>Veracyje, Inc.</td>
<td>Research</td>
<td>Research Study Lead</td>
<td>Presenter</td>
</tr>
<tr>
<td>Rohan Walvekar</td>
<td>Hood Labs, Pembroke MA</td>
<td>Royalty</td>
<td>Consultant</td>
<td>Faculty</td>
</tr>
<tr>
<td></td>
<td>Cook Medical, USA</td>
<td>Consulting Fee</td>
<td>Consultant</td>
<td></td>
</tr>
<tr>
<td>Gregory Weinstein</td>
<td>Olympus</td>
<td>Royalty</td>
<td>Inventor of Instrument</td>
<td>Faculty</td>
</tr>
<tr>
<td>Ian Witterick</td>
<td>Proteocyte Diagnostics Inc.</td>
<td>Stockholder</td>
<td>Advisory Committee</td>
<td>Faculty</td>
</tr>
<tr>
<td>Francis Worden</td>
<td>Astra Zeneca</td>
<td>Research</td>
<td>PI</td>
<td>Program Committee, Faculty</td>
</tr>
<tr>
<td></td>
<td>Bayer</td>
<td>Research</td>
<td>PI</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Bristol Myers Squibb</td>
<td>Research</td>
<td>PI</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Eisai</td>
<td>Research</td>
<td>PI</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Genzyme</td>
<td>Royalty</td>
<td>Advisory Committee</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Merck</td>
<td>Royalty</td>
<td>Advisory Committee</td>
<td></td>
</tr>
<tr>
<td>Eddy Yang</td>
<td>Eli lilly</td>
<td>Research</td>
<td>I receive research support for preclinical studies.</td>
<td>Scientific Review Committee, Faculty</td>
</tr>
<tr>
<td></td>
<td>Abbvie</td>
<td>Research</td>
<td>Institutional PI</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Nanostring Technologies</td>
<td>Honoraria</td>
<td>Advisory Committee</td>
<td></td>
</tr>
<tr>
<td>Sue Yom</td>
<td>Wolters Kluwer Inc. - UpToDate</td>
<td>Royalty</td>
<td>Author of chapter</td>
<td>Program Committee, Faculty</td>
</tr>
<tr>
<td></td>
<td>Gementech Inc</td>
<td>Research</td>
<td>Principal Investigator</td>
<td></td>
</tr>
</tbody>
</table>

186 9th International Conference on Head & Neck Cancer
<table>
<thead>
<tr>
<th>Name</th>
<th>Commercial Interest</th>
<th>What Was Received</th>
<th>For What Role</th>
<th>Role in Meeting</th>
</tr>
</thead>
<tbody>
<tr>
<td>John Yoo</td>
<td>Biomark Inc.</td>
<td>Stockholder</td>
<td>Consultant</td>
<td>Program Committee, Faculty</td>
</tr>
<tr>
<td></td>
<td>Critical Outcome Technologies Inc.</td>
<td>Stockholder</td>
<td>Board Member</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Pure Health</td>
<td>Stockholder</td>
<td>Board Member</td>
<td></td>
</tr>
<tr>
<td>Adam Zanation</td>
<td>Acclarent (JNJ)</td>
<td>Consulting Fee</td>
<td>Consultant</td>
<td>Faculty</td>
</tr>
<tr>
<td></td>
<td>Medtronic</td>
<td>Consulting Fee</td>
<td>Consultant</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Stryker</td>
<td>Consulting Fee</td>
<td>Consultant</td>
<td></td>
</tr>
</tbody>
</table>

Unless indicated above, the planners, reviewers, staff or faculty for this CME Activity do not have any financial relationships to disclose.
REVEALING the Intricacies of Immuno-Oncology

Combination strategies are a key area of clinical research and may unlock the potential of immuno-oncology (IO) therapies by:

- Overcoming multiple mechanisms of immune evasion
- Targeting nonredundant pathways, such as PD-L1 and CTLA-4
- Customizing treatment to the individual tumor’s specific characteristics

Find out more at AZimmuno-oncology.com

Scanning electron micrograph of a T cell attacking a cancer cell
REVEALING
the Intricacies of Immuno-Oncology

Combination strategies are a key area of clinical research and may unlock the potential of immuno-oncology (IO) therapies by:

- Overcoming multiple mechanisms of immune evasion
- Targeting nonredundant pathways, such as PD-L1 and CTLA-4
- Customizing treatment to the individual tumor’s specific characteristics
## Exhibitor Listing

<table>
<thead>
<tr>
<th>COMPANY</th>
<th>BOOTH #</th>
</tr>
</thead>
<tbody>
<tr>
<td>3D Systems</td>
<td>616</td>
</tr>
<tr>
<td>AstraZeneca</td>
<td>316</td>
</tr>
<tr>
<td>Atos Medical, Inc.</td>
<td>509</td>
</tr>
<tr>
<td>AxoGen, Inc.</td>
<td>418</td>
</tr>
<tr>
<td>Bayer</td>
<td>517</td>
</tr>
<tr>
<td>Boston Medical Products</td>
<td>207</td>
</tr>
<tr>
<td>Bristol Meyers Squibb</td>
<td>203</td>
</tr>
<tr>
<td>CEL-SCI Corporation</td>
<td>516</td>
</tr>
<tr>
<td>Checkpoint Surgical</td>
<td>515</td>
</tr>
<tr>
<td>Cook Medical</td>
<td>210</td>
</tr>
<tr>
<td>Domain Surgical</td>
<td>518</td>
</tr>
<tr>
<td>Eisai, Inc.</td>
<td>511</td>
</tr>
<tr>
<td>Elsevier, Inc.</td>
<td>614</td>
</tr>
<tr>
<td>Ethicon US, LLC</td>
<td>315</td>
</tr>
<tr>
<td>Exelixis</td>
<td>216</td>
</tr>
<tr>
<td>Fanconi Anemia Research Fund, Inc.</td>
<td>610</td>
</tr>
<tr>
<td>Head and Neck Cancer Alliance</td>
<td>609</td>
</tr>
<tr>
<td>Hemostatix Medical Technologies</td>
<td>411</td>
</tr>
<tr>
<td>Henry Ford Health System</td>
<td>622</td>
</tr>
<tr>
<td>IFHNOS</td>
<td>522</td>
</tr>
<tr>
<td>InHealth Technologies</td>
<td>412</td>
</tr>
<tr>
<td>Intuitive Surgical</td>
<td>304</td>
</tr>
<tr>
<td>JAMA Network, The</td>
<td>409</td>
</tr>
<tr>
<td>Karl Storz Endoscopy</td>
<td>312</td>
</tr>
<tr>
<td>KLS Martin</td>
<td>512</td>
</tr>
<tr>
<td>Lilly Oncology</td>
<td>215</td>
</tr>
<tr>
<td>Lumenis</td>
<td>510</td>
</tr>
<tr>
<td>Medrobotics Corporation</td>
<td>404</td>
</tr>
<tr>
<td>Medtronic</td>
<td>416</td>
</tr>
<tr>
<td>Merck &amp; Co., Inc.</td>
<td>317</td>
</tr>
<tr>
<td>Midatech Pharma US Inc.</td>
<td>311</td>
</tr>
<tr>
<td>Navidea Biopharmaceuticals</td>
<td>209</td>
</tr>
<tr>
<td>Nova Innovations</td>
<td>618</td>
</tr>
<tr>
<td>NOVADAQ</td>
<td>310</td>
</tr>
<tr>
<td>Olympus America, Inc.</td>
<td>218</td>
</tr>
<tr>
<td>Omni Guide Surgical</td>
<td>204</td>
</tr>
<tr>
<td>Otto Trading, Inc.</td>
<td>621</td>
</tr>
<tr>
<td>Seattle Cancer Care Alliance</td>
<td>612</td>
</tr>
<tr>
<td>Stryker</td>
<td>403</td>
</tr>
<tr>
<td>Support For People With Oral and Head and Neck Cancer</td>
<td>611</td>
</tr>
<tr>
<td>Synovis Micro Companies Alliance, Inc.</td>
<td>410</td>
</tr>
<tr>
<td>THANC Foundation</td>
<td>615</td>
</tr>
<tr>
<td>Veracyte, Inc.</td>
<td>309</td>
</tr>
<tr>
<td>Vigilant Biosciences</td>
<td>617</td>
</tr>
<tr>
<td>Vioptix Inc.</td>
<td>211</td>
</tr>
<tr>
<td>Poster Listing</td>
<td></td>
</tr>
<tr>
<td>----------------</td>
<td></td>
</tr>
<tr>
<td><strong>CANCER BIOLOGY</strong></td>
<td></td>
</tr>
<tr>
<td>P001 EXCEPTIONAL RESPONSE TO MULTIPLE-RECURRENT AND METASTATIC HER-2 POSITIVE OROPHARYNGEAL SQUAMOUS CELL CARCINOMA WITH A PERSONALIZED TREATMENT APPROACH.</td>
<td>P007 MIR-520B INHIBITS THE MALIGNANCY OF HEAD-NECK CANCER THROUGH THE SUPPRESSION OF CANCER STEMNESS BY TARGETING CD44</td>
</tr>
<tr>
<td>Nolan B Seim, MD1, Stephen Y Kang, MD1, Riley G Jones, MD1, Manish S Bhandari, MD1; Theodoros N Teknos, MD1; 1Department of Otolaryngology-Head and Neck Surgery, Arthur G. James Cancer Hospital and Richard J. Solove Research Institute at The Ohio State University, Wexner Medical Center, Columbus Ohio, 2Department of Internal Medicine, Division of Medical Oncology, The Christ Hospital, Cincinnati, Ohio</td>
<td>Ann-Joy Cheng, PhD1, Ya-Ching Lu1, Joseph T Chang, MD2; 1Chang Gung University, 2Chang Gung Memorial Hospital-Lincoln</td>
</tr>
<tr>
<td><strong>P002 ROLE OF NANOG IN THE RADIORESISTANCE OF HEAD AND NECK CANCER</strong></td>
<td><strong>P008 CANCER STEM CELL NICHE CORRELATES WITH MALIGNANT PROGRESSION</strong></td>
</tr>
<tr>
<td>Sei Young Lee, MD1, Se-Heon Kim, MD2; 1Department of Otolaryngology, Chung-Ang University College of Medicine, 2Department of Otorhinolaryngology, Yonsei University College of Medicine</td>
<td>Subin S Surendran1, Gangotri Siddappa2, Ravindra D Ravi2, Christina Mimikos2, Wesley L Hicks1, Amritha Suresh2, Moni A Kuriakose1; 1Head and Neck Surgery, Roswell Park Cancer Institute, Buffalo, New York, 14263, 2Mazumdar Shaw Centre for Translational Research, Mazumdar Shaw Medical Centre, Narayana Hrudayalaya, Bangalore, 560099, 3Mazumdar Shaw Medical Center- Roswell Park Collaboration Program, Buffalo, New York 14263</td>
</tr>
<tr>
<td><strong>P003 WHOLE-EXOME SEQUENCING ANALYSIS OF NASOPHARYNGEAL CARCINOMA</strong></td>
<td><strong>P009 FEASIBILITY OF RECOMBINANT SENDAI VIRUS VECTOR MEDIATED SENTINEL LYMPH NODE TARGETED GENE TRANSFER IN AN ORTHOTOPIC NUDE MOUSE MODEL OF HEAD &amp; NECK SQUAMOUS CELL CARCINOMA</strong></td>
</tr>
<tr>
<td>Yong Liu, PhD, MD, Xin Zhang, Prof, PhD, MD, Ming Wei, Gangcai Zhu, Meilin Huang, She Li; Xiangya Hospital, Central South University</td>
<td><strong>P010 PROGNOSTIC VALUE OF ABERRANT PROMOTER HYPERMETHYLATION OF TUMOR-RELATED GENES IN EARLY-STAGE HEAD AND NECK CANCER</strong></td>
</tr>
<tr>
<td><strong>P004 INVASION OF HEAD AND NECK SQUAMOUS CELL CANCER CELLS REQUIRES TENASCIN-C EXPRESSION</strong></td>
<td>Kiyoshi Misawa1, Takeharu Kanazawa2, Yuki Misawa1, Hiroyuki Mineta1; 1Department of Otolaryngology, Head and Neck Surgery, Jichi Medical University School of Medicine, 2Hamamatsu University School of Medicine, 3Jichi Medical University, Tochigi</td>
</tr>
<tr>
<td>Carissa M Thomas, MD, PhD, Stephen Keysar, PhD, Bettina Miller, Magdalena Glogowska, John I Song, MD, Antonio Jimeno, MD, PhD; University of Colorado School of Medicine</td>
<td><strong>P011 GALANIN AND GALANIN RECEPTOR UTILIZES DISTINCT SIGNALING PATHWAYS TO INDUCE APOPTOSIS AND SUPPRESS CELL PROLIFERATION IN P53 MUTANT HEAD AND NECK CANCER CELLS.</strong></td>
</tr>
<tr>
<td><strong>P005 ANALYSIS OF THE LOSS OF CASPASE 8 IN HNSCC USING 3D ORGANOTYPIC CULTURES</strong></td>
<td>Takeharu Kanazawa1, Kiyoshi Misawa2, Yuki Misawa1, Yuki Mineta1, 2Hamamatsu University School of Medicine, 3Jichi Medical University, Tochigi</td>
</tr>
<tr>
<td>Antje Lindemann, PhD, Burak Uzunparmak, Jeffrey N Myers, Curtis R Pickering; The University of Texas MD Anderson Cancer Center</td>
<td><strong>P012 GENOCIDE METHYLATION IN ORAL CAVITY CARCINOMAS</strong></td>
</tr>
<tr>
<td><strong>P006 GENOME METHYLATION IN ORAL CAVITY CARCINOMAS</strong></td>
<td><strong>P013 IN VIVO EVALUATION OF BAY 11-7082, A NEW INHIBITOR OF GSK3B, IN HEAD AND NECK CARCINOMA.</strong></td>
</tr>
<tr>
<td>Ana Lucia N Francisco, PhD1, Mariana B dos Reis, Dr1, Mateus C Barros Filho, Dr1, Fabio A Marchi, Dr1, Skirant N Ambatipudi, PhD2, Zdenko N Herceg, PhD2, Silvia R Rogatto, PhD2, Luiz P Kowalski, PhD2; 1AC Camargo Cancer Center, 2International Agency for Research on Cancer (IARC)</td>
<td>Takeharu Kanazawa1, Kiyoshi Misawa2, Yuki Misawa1, Yuki Mineta1, 2Hamamatsu University School of Medicine, 3Jichi Medical University, Tochigi</td>
</tr>
<tr>
<td><strong>P007 MIR-520B INHIBITS THE MALIGNANCY OF HEAD-NECK CANCER THROUGH THE SUPPRESSION OF CANCER STEMNESS BY TARGETING CD44</strong></td>
<td><strong>P008 CANCER STEM CELL NICHE CORRELATES WITH MALIGNANT PROGRESSION</strong></td>
</tr>
<tr>
<td>Ann-Joy Cheng, PhD1, Ya-Ching Lu1, Joseph T Chang, MD2; 1Chang Gung University, 2Chang Gung Memorial Hospital-Lincoln</td>
<td><strong>P009 FEASIBILITY OF RECOMBINANT SENDAI VIRUS VECTOR MEDIATED SENTINEL LYMPH NODE TARGETED GENE TRANSFER IN AN ORTHOTOPIC NUDE MOUSE MODEL OF HEAD &amp; NECK SQUAMOUS CELL CARCINOMA</strong></td>
</tr>
<tr>
<td><strong>P004 INVASION OF HEAD AND NECK SQUAMOUS CELL CANCER CELLS REQUIRES TENASCIN-C EXPRESSION</strong></td>
<td><strong>P010 PROGNOSTIC VALUE OF ABERRANT PROMOTER HYPERMETHYLATION OF TUMOR-RELATED GENES IN EARLY-STAGE HEAD AND NECK CANCER</strong></td>
</tr>
<tr>
<td>Carissa M Thomas, MD, PhD, Stephen Keysar, PhD, Bettina Miller, Magdalena Glogowska, John I Song, MD, Antonio Jimeno, MD, PhD; University of Colorado School of Medicine</td>
<td><strong>P011 GALANIN AND GALANIN RECEPTOR UTILIZES DISTINCT SIGNALING PATHWAYS TO INDUCE APOPTOSIS AND SUPPRESS CELL PROLIFERATION IN P53 MUTANT HEAD AND NECK CANCER CELLS.</strong></td>
</tr>
<tr>
<td><strong>P005 ANALYSIS OF THE LOSS OF CASPASE 8 IN HNSCC USING 3D ORGANOTYPIC CULTURES</strong></td>
<td><strong>P012 GENOCIDE METHYLATION IN ORAL CAVITY CARCINOMAS</strong></td>
</tr>
<tr>
<td>Antje Lindemann, PhD, Burak Uzunparmak, Jeffrey N Myers, Curtis R Pickering; The University of Texas MD Anderson Cancer Center</td>
<td><strong>P007 MIR-520B INHIBITS THE MALIGNANCY OF HEAD-NECK CANCER THROUGH THE SUPPRESSION OF CANCER STEMNESS BY TARGETING CD44</strong></td>
</tr>
<tr>
<td><strong>P006 GENOME METHYLATION IN ORAL CAVITY CARCINOMAS</strong></td>
<td><strong>P007 MIR-520B INHIBITS THE MALIGNANCY OF HEAD-NECK CANCER THROUGH THE SUPPRESSION OF CANCER STEMNESS BY TARGETING CD44</strong></td>
</tr>
<tr>
<td>Ana Lucia N Francisco, PhD1, Mariana B dos Reis, Dr1, Mateus C Barros Filho, Dr1, Fábio A Marchi, Dr1, Skirant N Ambatipudi, PhD2, Zdenko N Herceg, PhD2, Silvia R Rogatto, PhD2, Luiz P Kowalski, PhD2; 1AC Camargo Cancer Center, 2International Agency for Research on Cancer (IARC)</td>
<td><strong>P010 PROGNOSTIC VALUE OF ABERRANT PROMOTER HYPERMETHYLATION OF TUMOR-RELATED GENES IN EARLY-STAGE HEAD AND NECK CANCER</strong></td>
</tr>
<tr>
<td><strong>P008 CANCER STEM CELL NICHE CORRELATES WITH MALIGNANT PROGRESSION</strong></td>
<td><strong>P009 FEASIBILITY OF RECOMBINANT SENDAI VIRUS VECTOR MEDIATED SENTINEL LYMPH NODE TARGETED GENE TRANSFER IN AN ORTHOTOPIC NUDE MOUSE MODEL OF HEAD &amp; NECK SQUAMOUS CELL CARCINOMA</strong></td>
</tr>
<tr>
<td><strong>P004 INVASION OF HEAD AND NECK SQUAMOUS CELL CANCER CELLS REQUIRES TENASCIN-C EXPRESSION</strong></td>
<td><strong>P010 PROGNOSTIC VALUE OF ABERRANT PROMOTER HYPERMETHYLATION OF TUMOR-RELATED GENES IN EARLY-STAGE HEAD AND NECK CANCER</strong></td>
</tr>
<tr>
<td>Carissa M Thomas, MD, PhD, Stephen Keysar, PhD, Bettina Miller, Magdalena Glogowska, John I Song, MD, Antonio Jimeno, MD, PhD; University of Colorado School of Medicine</td>
<td><strong>P011 GALANIN AND GALANIN RECEPTOR UTILIZES DISTINCT SIGNALING PATHWAYS TO INDUCE APOPTOSIS AND SUPPRESS CELL PROLIFERATION IN P53 MUTANT HEAD AND NECK CANCER CELLS.</strong></td>
</tr>
<tr>
<td><strong>P005 ANALYSIS OF THE LOSS OF CASPASE 8 IN HNSCC USING 3D ORGANOTYPIC CULTURES</strong></td>
<td><strong>P012 GENOCIDE METHYLATION IN ORAL CAVITY CARCINOMAS</strong></td>
</tr>
<tr>
<td>Antje Lindemann, PhD, Burak Uzunparmak, Jeffrey N Myers, Curtis R Pickering; The University of Texas MD Anderson Cancer Center</td>
<td><strong>P007 MIR-520B INHIBITS THE MALIGNANCY OF HEAD-NECK CANCER THROUGH THE SUPPRESSION OF CANCER STEMNESS BY TARGETING CD44</strong></td>
</tr>
<tr>
<td><strong>P006 GENOME METHYLATION IN ORAL CAVITY CARCINOMAS</strong></td>
<td><strong>P007 MIR-520B INHIBITS THE MALIGNANCY OF HEAD-NECK CANCER THROUGH THE SUPPRESSION OF CANCER STEMNESS BY TARGETING CD44</strong></td>
</tr>
</tbody>
</table>
**P012 JUNB PLAYS AN IMPORTANT ROLE IN PROMOTING CELL INVASION, MIGRATION AND DISTANT METASTASIS THROUGH REGULATING MATRIX METALLOPROTEINASE IN HEAD AND NECK SQUAMOUS CELL CARCINOMA**

Daisuke Sano, MD, PhD; Hiroshi Hyakusoku, MD; Hideaki Takahashi, MD, PhD; Takashi Hatano, MD, Yasuhiro Isono, MD; Shoko Shimada, MD; Kae Sawakuma, MD; Jeffrey Myers, MD, PhD; Nobuhiko Oridate Oridate, MD, PhD; ‘Yokohama City University, school of medicine, ‘The University of Texas M. D. Anderson Cancer Center

**P013 INTEGRATED GENOMIC ANALYSIS OF THE UPDATED TCGA HEAD AND NECK SQUAMOUS CELL CARCINOMA COHORT**

Nene Kalu, PhD; Xiayu Rao, Sanchit Trivedi, Jeffrey N Myers, Mitchell J Frederick, Faye M Johnson, Jing Wang, Curtis R Pickering; UT MD Anderson Cancer Center

**P014 MOLECULAR INSIGHT INTO MUCINOUS SALIVARY ADENOCARCINOMA METASTASES: MUTATIONS IN KRAS, P53, AND HISTONE-MODIFYING ENZYMES**

Sergey V Ivanov, PhD; Alex Panaccione, Yi Zhang, PhD, Yanfang Mi, MD, Wendell G Yarbrough, MD, MMHC, FACS; Yale School of Medicine

**P015 PROGNOSTIC VALUE OF IGF1R EXPRESSION IN SQUAMOUS CELL CARCINOMA OF THE ORAL CAVITY**

Patrick McGarey, MD, Lane Donaldson, Mark Jameson, MD, PhD; UVA

**P016 CLINICAL IMPACT OF BETABLOCKERS AND ANTI-HYPERTENSIVE DRUGS ON RECURRENCE AND SURVIVAL IN PATIENTS WITH DEFINITIVE TREATMENTS FOR HEAD AND NECK CANCER**

Shin Ae Kim, MD; Jong-Lyel Roh, MD; Sang-wook Lee, Sung-Bae Kim, MD, Seung-Ho Choi, MD, SoonYuhl Nam, MD, Sang Yoon Kim, MD, Shereen Yankasari, MD; Asan Medical Center, Seoul, Republic of Korea

**P017 ENHANCING THE THERAPEUTIC POTENTIAL OF CHECKPOINT INHIBITION WITH MYELOID SUPPRESSOR CELL DEPLETION IN ORAL CAVITY CANCER**

Ruth Davis, Paul Clavijo, Ellen Moore, Chris Silvin, Zhong Chen, Carter Van Waes, Clint Allen; National Institutes of Health

**P018 UNDERSTANDING LOSS OF CASPASE-8 FUNCTION IN HEAD AND NECK SQUAMOUS CELL CARCINOMAS**

Burak Uzunparmak, Antje Lindemann, PhD; Jeffrey N. Myers, MD, Curtis R. Pickering, PhD; The University of Texas MD Anderson Cancer Center

**P019 TREATMENT OF DC IMMUNOTHERAPY WITH LOW DOSE DOCETAXEL AND CYCLOPHOSPHAMIDE EFFECTIVELY INDUCES ANTI-TUMOR IMMUNE RESPONSE AND ATTENUATES REGULATORY T CELL IN HNSCC PATIENTS.**

Kaname Sakamoto1, Hiroki Ishii2, Satoshi Igarashi1, Hideyuki Takahashi1, Kazuaki Chikamatsu1, Keisuke Masuyama1; ‘Department of Otorhinolaryngology-Head and Neck Surgery Interdisciplinary Graduate School of Medical Science University of Yamanashi, ‘Department of Otorhinolaryngology-Head and Neck Surgery, Gunma University Graduate School of Medicine

**P020 A MUSCLE SPECIFIC PROTEIN “MYOFERLIN” MODULATES IL-6/STAT3 SIGNALING BY CHAPERONING ACTIVATED STAT3 TO NUCLEUS**

Arti Yadav, MS; Bhavna Kumar, MS; Lang C Lang, PhD, Theodoros N Teknos, MD; Pavan Kumar, MS, PhD; Department of Otolaryngology-Head and Neck Surgery, The Ohio State University, Columbus, OH

**P021 TUMOR METABOLISM IN THE MICRONENVIRONMENT OF NODAL METASTASIS IN HEAD AND NECK SQUAMOUS CELL CARCINOMA**

Patrick Tassone, MD; Joseph M Curry, MD, Ubaldo Martinez-Outschoorn, MD, Madalina Tuluc, MD, Viochita Bar-Ad, MD, David Cognetti, MD, Adam Luginbuhl, MD, William Keane, MD, Tingting Zhan, PhD, Mehri Mollaea, MD; Thomas Jefferson University

**P022 TARGETING G2/M KINASES AS SYNTHETIC LEATHAL TARGETS IN P53 DEFICIENT HNSCC**

Carlos Green1, Michael Kao1, Charles de Leeuw2, Chang Xu2, Heuijoon Park2, Russell Moser1, Carla Grandori2, Christopher Kemp2, Eduardo Méndez2; ‘Department of Otolaryngology, University of Washington, ‘Division of Clinical Research, Fred Hutchinson Cancer Research Center

**P023 EFFECT OF RESVERATROL ON CANCER PROGRESSION THROUGH REG III EXPRESSION PATHWAY IN HEAD AND NECK CANCER CELLS**

Shinji Mikami, MD; Ichiro Ota, MD; Takashi Masui, MD; Kazuhiro Uemura,
P024 IMMUNOLOGICAL AND CLINICOPATHOLOGICAL SIGNIFICANCE OF MFG-E8 EXPRESSION ON ORAL SQUAMOUS CELL CARCINOMA
Koichi Sakakura, MD, PhD1, Hideyuki Takahashi, MD2, Sei-ichiro Motegi, MD, PhD3, Koichi Kaira, MD, PhD4, Kyoichi Kaira, MD, PhD5, Minoru Toyoda, MD6, Kazuaki Chikamatsu, MD, PhD7; 1Department of Otolaryngology-Head and Neck Surgery, Gunma University Graduate School of Medicine, 2Department of Dermatology, Gunma University Graduate School of Medicine, 3Department of Oncology Clinical Development, Gunma University Graduate School of Medicine

P025 PREDICTION OF HEAD AND NECK CANCER USING MODIFIABLE RISK FACTORS AND WNT/BETA-CATENIN SIGNALING
Lacy S Brame, MS1, Ilangovan Ramachandran, PhD2, Ryan Raju, MD3, Eva Brabcova, BS4, Matt Naifeh, BS5, Casey Butler, MD6, Basil Mathews, BA7, BS8, Janis Campbell, PhD9, Daniel Zhao, PhD10, Greg Krempl, MD11, Jesus Medina, MD12, Liu Cheng, MD13, Lurdes Queimado, MD, PhD14; 1University of Oklahoma Health Sciences Center, 2University of Madras

P026 CORRELATING ALTERNATIVE SPlicing EVENTS WITH METHYLATION CHANGES IN HPV-RELATED OROPHARYNGEAL CANCER.
Theresa Guo, MD1, Daria A Gaykalova, PhD2, Alexander V Favorov, PhD3, Michael Considine1, Justin A Bishop, MD4, William H Westra, MD5, Zubair Khan, MD6, Elana J Fertig, PhD7, Joseph A Califano, MD8; 1Department of Otolaryngology-Head and Neck Surgery, National University Health System Singapore, 2Department of Pathology, National University of Singapore

P027 ELDERLY PATIENTS WITH HEAD AND NECK SQUAMOUS CELL CARCINOMA AND COMORBID NEUROLOGIC DISORDER HAVE DECREASED CANCER SPECIFIC SURVIVAL
Travis P Schrank, MD1, Eric J Lentsch, MD2; Medical University of South Carolina

P028 ROLES OF NA+/H+ EXCHANGER1 IN THE MAINTENANCE OF COLLECTIVE MIGRATION OF HEAD AND NECK SQUAMOUS CANCER CELLS
Teppei Kaminota1, Hajime Yano2, Hiroyuki Wakisaka2, Junya Tanaka2, Naohito Hato3; 1Takamatsu red cross hospital, 2Graduate School of Medicine, Ehime University, 3Ehime Prefectural University of Health Sciences

P029 CHARACTERIZATION OF LYMPHOCYTIC INFILTRATES IN EPSTEIN-BARR VIRUS ASSOCIATED NASOPHARYNGEAL CANCER
Louise Tan1, Yao Guan Leow2, Gwyneth Soon3, Shi Wang4, Chwee Ming Lim5; 1Department of Otolaryngology Head and Neck Surgery, National University Health System Singapore, 2Department of Pathology, National University of Singapore

P030 A RELATIONSHIP BETWEEN EXON 8 POLYMORPHISM AND EXPRESSION OF THE GIANT AXONAL NEUROPATHY (GAN) GENE IN HEAD AND NECK CANCER
James J Kang, BS, Alani Mustafa, DMD, Isabelle Y. Liu, MD, Natarajan Venkatesan, PhD, Marlene Wang, MD, Eri Srivatsan, PhD; UCLA

P031 ONCOGENIC ROLES OF N-GLYCOSYLATION-WNT/BETA-CATENIN AXIS IN ORAL SQUAMOUS CELL CANCER
Khalid Alamoud, DMD, Khikmet Sadykov, MS, Manish Bais, DVM, PhD, Maria Kukuruzinska, PhD; Boston University

P032 EGFR DETECTION IN SALIVARY SAMPLES AS AN EASY DIAGNOSTIC AND PROGNOSTIC TOOL IN ORAL SQUAMOUS CELL CANCER
Laura Zanotti1, Cesare Piazza2, Elisabetta Bandiera1, Francesca Del Bon1, Antonella Ravaggi1, Alberto Paderno1, Chiara Romani1, Pietro Perotti1, Eliana Bignotti1, Paola Grazio1, Nausica Montalto1, Franco Edoardo Odicino1, Piero Nicolai2; “Angelo Nocivelli” Institute of Molecular Medicine, Division of Gynecologic Oncology, University of Brescia, Brescia, Italy, 1Department of Otorhinolaryngology - Head and Neck Surgery, University of Brescia, Brescia, Italy

P033 AN HPV16-POSITIVE TONSILLAR CANCER CELL LINE
Lars Ekblad, PhD1, Ola Forslund, PhD2, Stefan Schwartz, PhD1, Prof, Johan Wennerberg, PhD3, Prof; Lund University

P034 CASE-CONTROL STUDY OF A NOVEL HEAD AND NECK SQUAMOUS CELL CARCINOMA BIOMARKER
Jonathan R George, MD, MPH1, Chase M Heaton, MD2, Steven J Wang, MD3, William R Ryan, MD4, Ivan El-Sayed, MD5, Orin Bloch, MD6; UCSF
P035 NUCLEAR LOCALIZATION AND HIGH EXPRESSION OF GLYOXALASE 1 (GLO1) IS A PROGNOSTIC MARKER FOR POORER SURVIVAL OF HNSCC
Karim Zaoui, MD1, Nele Kreyčy, 1, Christiane Gotzian1, Thomas Fleming, PhD2, Christa Flechtenmacher, MD2, Niels Grabe, PhD1, Philippe A Federpsil, MD1, Peter K Plinkert, MD1, Jochen Hess, PhD2; 1Section Experimental and Translational Head and Neck Oncology, Department of Otolaryngology, Head and Neck Surgery, University Hospital Heidelberg, Germany, 2Department of Medicine I and Clinical Chemistry, University Hospital Heidelberg, Germany, 1Institute of Pathology, University Hospital Heidelberg, Heidelberg, Germany, 2Hamamatsu Tissue Imaging and Analysis Center (TIGA), BIOQUANT, Heidelberg, Germany

P037 ELDERLY PATIENTS WITH HEAD AND NECK SQUAMOUS CELL CARCINOMA AND PREEXISTING HYPOTHYROIDISM HAVE IMPROVED DISEASE SPECIFIC SURVIVAL.
Travis P Schrank, MD, Eric J Lentsch, Professor; Medical University of South Carolina

P038 LOSS OF RESISTANCE TO PIK3CA INHIBITION IN BYL719-RESISTANT HEAD AND NECK CANCER CELLS
Neal R Godse, BS1, Nayel Khan, BS2, Andrey Finegersh, PhD1, Kara Davis, MD1, Carolyn Kemp, BS2, Umapmaheswar Duvvuri, MD, PhD1; 1University of Pittsburgh School of Medicine, 2University of Pittsburgh Medical Center, Department of Otolaryngology

P040 CLINICAL IMPLICATIONS OF CD10 EXPRESSION BY ORAL CAVITY SQUAMOUS CELL CARCINOMA
Sean T Massa, MD1, Ashley N Reeb, BS1, Rebecca D Chernock, MD2, Reigh-Yi Lin, PhD1; 1Saint Louis University, 2Washington University

P041 MAGE A1-6 EXPRESSION IN PATIENTS WITH HEAD AND NECK SQUAMOUS CELL CARCINOMA: IMPACT ON CLINICAL PATTERNS AND ONCOLOGIC OUTCOMES
Hyoung Shin Lee, MD, Sang Tae Noh, Sung Won Kim, MD, PhD, Seobin Kim, MD, Kang Dae Lee, MD, PhD; Kosin University College of Medicine

P042 LOSS OF S100A8 AND S100A9 EXPRESSION IN POORLY DIFFERENTIATED HEAD AND NECK SQUAMOUS CELL CARCINOMA IS ASSOCIATED WITH POOR PROGNOSIS
Sean T Massa, BS1, Ashley N Reeb, BS1, Rebecca D Chernock, MD2, Reigh-Yi Lin, PhD1; 1Saint Louis University, 2Washington University

P043 HBO3 EXPRESSION IN OROPHARYNGEAL SQUAMOUS CELL CARCINOMA
Kate Clancy, BA1, Aaron Weinberg, DMD, PhD2, Chad Zender, MD1, Ge Jin, PhD1; 1Case Western Reserve University School of Medicine, 2Case Western Reserve School of Dental Medicine, 1University Hospitals Case Medical Center

P044 PROGNOSTIC IMPACT OF RABGTAPASES IN HEAD AND NECK SQUAMOUS CELL CARCINOMA
Sabrina Daniela Silva Wurzba, Fabio Marchi, Bin Xu1, Faisal Aloabaid, Alex Mlynarek1, Silvia Rogatto, Michael Hier1, Luiz Paulo Kowalski, Moulay A. Alaoui-Jamali; 1McGill, 2AC Camargo Cancer Center

P045 CELASTROL INDUCE AND APOPTOSIS IN HUMAN NASOPHARYNGEAL CARCINOMA THROUGH ACTIVATION OF THE CASPASE AND FAS-FAS LIGAND-MEDIATED PATHWAY.
Heng-fu Lin, Mu-Kuan Chen; Department of Otorhinolaryngology-Head and Neck Surgery

P046 ATM AND GAMMA-H2AX AS BIOMARKERS OF DNA DAMAGE RESPONSE AND ASSOCIATIONS WITH TOXICITY IN PATIENTS UNDERGOING DEFINITIVE RADIOTHERAPY (RT) FOR HEAD AND NECK CANCERS
Brian J Gebhardt, MD1, Christopher J Bakkenist, PhD1, Karen D Holeva1, Beant S Gill, MD1, Robert L Ferris, MD, PhD1, David A Clump, MD, PhD1; 1University of Pittsburgh Cancer Institute Department of Radiation Oncology, 2University of Pittsburgh Cancer Institute Department of Otolaryngology

P048 DEVELOPMENT OF A MASS SPECTROMETRY-BASED DIAGNOSIS OF HEAD AND NECK SQUAMOUS CELL CARCINOMA
Kei Ashizawa1, Kentaro Yoshimura2, Hiroki Ishii1, Hisashi Johno1, Keisuke Masuyama1, Senn Takeda1; 1Department of Otorhinolaryngology University of Yamanashi, 2Department of Anatomy and Cell Biology University of Yamanashi

P049 CD147/EMMPRIN MEDIATES TGF-? INDUCED EPITHELIAL-MESENCHYMAL TRANSITION AND HNSCC MIGRATION
Shinsuke Suzuki, MD, PhD; Satoshi Toyoma, MD, Kazuo Ishikawa, MD, PhD; Department of Otorhinolaryngology & Head and Neck Surgery, Akita University Graduate School of Medicine
P050 EVALUATING THE ROLE OF SECRETED PROTEIN AND RICH IN CYSTEINE (SPARC) IN ORAL CAVITY SQUAMOUS CELL CARCINOMA AND ITS IMPACT ON PROGNOSIS

Daniel Wehrmann, MD, Ronald Walker, MD, Mark Varvares, MD, Susan Crawford, DO; *Saint Louis University School of Medicine, †Harvard Medical School

P051 EXAMINING THE ROLE OF MATRIX METALLOPROTEINASE 9 IN ORAL CAVITY SQUAMOUS CELL CARCINOMA AND ITS EFFECTS ON PROGNOSIS

Daniel Wehrmann, MD, Ronald Walker, MD, Mark Varvares, MD, Susan Crawford, DO; *Saint Louis University School of Medicine, †Harvard Medical School

P052 RECURRENCE OF HEAD & NECK SQUAMOUS CELL CARCINOMA IN PATIENTS WITH RADIATION INDUCED FIBROSIS

Joel Jones, MD, Sean Parsel, BS, Chris Kandl, MD, Laine Bowman, OTR, David Garnett, MD, Lisa Shnayder, MD, Christopher Lominska, MD, Kevin Sykes, PhD, Sufi Thomas, PhD; University of Kansas Medical Center

P053 LOSS OF P53/P63 TARGET PERP GENE MAY SERVE AS AN INDICATOR FORTUMOR CELLS AT THE MARGIN AND LOCAL RECURRENCE

Amanda L Simmons, MA, Christina S Kong, MD, Rie von Eyben, MSc, Laura D Attardi, PhD, Xiaohui Ma, MD, Quynh-Thu Le, MD, Cerie-Anth Nathan, MD; *Stanford University, †Louisiana State University Health Science Ctr.

P055 MICRORNA EXPRESSION AS PREDICTOR OF LOCAL RECURRENCE RISK IN ORAL SQUAMOUS CELL CARCINOMA.

Valentina Manciocco, PhD, Federica Ganci, PhD, Giulia Fontemaggi, PhD, Giuseppe Mercante, MD, Paolo Marchesi, MD, Barbara Pichi, MD, Raul Pellini, MD, Giovanni Cristalli, MD, Giovanni Blandino, PhD, Giuseppe Spriano, MD; Regina Elena National Cancer Institute

P056 MARKERS OF DRUG RESISTANCE IN HEAD AND NECK SQUAMOUS CELL CARCINOMA BY INTEGRATED OMICS ANALYSIS


P057 EFFECTS OF RESVERATROL ON ABERRANT METHYLATION AND CELL MIGRATION IN NASOPHARYNGEAL CARCINOMA

Chih-Hsien Liu, MD, Jia-Cheng Lin, Yen-Liang Chang, MD, Wen-Hung Wang, MD, Pa-Chun Wang, MD, Msc; †Department of Otolaryngology Head and Neck Surgery, Cathay General Hospital, Taipei, Taiwan, ‡Department of Life Science, National Central University, Taoyuan, Taiwan, †School of Medicine, Fu Jen Catholic University, Taipei, Taiwan

P058 EXPRESSION PATTERN OF CANCER STEM CELL MARKERS AT THE TUMOR EDGE

Sean T Massa, MD, Nora Ibrahim, BS, Edward S Bolesta, MD, Ronald J Walker, MD, Mark A Varvares, MD, Reigh-Yi Lin, PhD; *Saint Louis University, †Harvard Medical School

P059 XENOTRANSPLANTATION IN ZEBRAFISH TO STUDY PROLIFERATION AND PERINEURAL MIGRATION OF HUMAN CANCERS

Juliet Meir, Maria Munoz-Sagastibelza, Punam Thakkar, MD, Laura Martello-Rooney, PhD, Richard Kollmar, PhD, Natalya Chernichenko, MD; †Florida Atlantic University, ‡SUNY Downstate Medical Center

P060 TLR3 AS A CENTRAL REGULATOR OF HNSSC PROGRESSION

Barbara Wollenberg; Universit Ty Clinic Lübeck

P061 DEVELOPMENT OF A DISEASE-SPECIFIC ANIMAL MODEL FOR UPPER AERODIGESTIVE TRACT CARCINOMAS

Hazem Saleh, MD, Omar Abdellatif, MSc, Adel Gohar, PhD, Mohamed Osama El Shazly, PhD, Taher Salah El Din, PhD; †Otolaryngology Department, National Institute of Laser, Cairo University, ‡Department of Clinical Pathology, Faculty of Veterinary Medicine, Cairo University, †Department of Pathology, Faculty of Veterinary Medicine, Cairo University, ‡Veterinary Technological Laboratory, Agricultural Research Centre, Egypt
Poster Listing

P062 MACROPHAGETYPE 2 DIFFERENTIATION IN A PATIENT WITH LARYNGEAL SQUAMOUS CELL CARCINOMA AND METASTATIC PROSTATE ADENOCARCINOMA TO THE CERVICAL LYMPH NODES
Michael C Topf, MD, Madalina Tuluc, MD, PhD, David M Cognetti, MD, Joseph M Curry, MD, Adam Lugrinbuhl, MD; Thomas Jefferson University Hospital

P063 EXPRESSION PATTERN OF PEGFR AND PAKT ACROSS DIFFERENT GRADES OF PRECANCEROUS AND CANCEROUS ORAL LESIONS
Amrutha Sherly Mohan1, Subin T Surendran2, Moni A Kuriakose2, Mary E Reid2; 1Dept of Medicine/Dept of Head and Neck Surgery, Roswellpark Cancer Institute, Buffalo, New York, 14263, 2Dept.Head and Neck Surgery, Roswellpark cancer institute, buffalo, New York, 14263, 3Dept of Medicine, Roswell Park Cancer Institute, Buffalo, New York, 14263

P064 LARGE METASTATIC CERVICAL SWELLING IN TESTICULAR TERATOMA: A RARE FINDING
Varun J Dave, MS, Jaymin A Contractor, MS, DORL; GMC, Surat.

P065 SENTINEL LYMPH NODE BIOPSY FOR ORAL SCCA IN THE ERA OF THE D’CRUZ NECK DISSECTION PAPER
Mark D DeLacure, MD, FACS; New York University School of Medicine

P066 STUDY OF THE SCATTERING OF THE TUMORAL CELLS CONNECTED TO THE SURGICAL ACT IN CARCINOMAS EPIDERMOIDES WAYS SUPERIOR AERODIGESTIVES
Romina Mastronicola1, Sophie Cortese1, Xanglai Wu2, Veronique Gillon1, Jean Louis Merlin1, Medarine Roch1, Emilie Beulque1, Gilbert Faure2, Gilles Dolivet1; 1institut of lorraine, 2chru nancy

P068 PAPILLARY THYROID CARCINOMA PRESENTING AS A LATERAL NECK CYST
Magid S Althbety, ABORL, ; SBORL, Ahmad A Altuwaijri, rese dint, Yaser A Ibrahim, FRCSI, Mohammad K Aljohany, SBORL, Saleh A Smayer, FRCS; SECURITY FORCES HOSPITAL

ENDOCRINE SURGERY
P069 - P154

P069 RELATIONSHIP BETWEEN NUTRITIONAL STATUS AND THE RISK OF DIFFERENTIATED THYROID CANCER AND ITS CLINICOPATHOLOGICAL CHARACTERISTICS
Thais M Miola, João G Goncalves Filho, Genival B Carvalho, Luiz P Kowalski; AC Camargo Cancer Center

P070 PARATHYROID CARCINOMA AND ATYPICAL PARATHYROID ADENOMA: EXPERIENCE OF A HEAD AND NECK SURGERY REFERRAL CENTER IN SOUTH AMERICA
Axel Sahovaler, MD, Pedro Picco, MD, Yanzon Alejandro, MD, Ana Jaan, MD, Juan Jose Larrañaga, MD, Eduardo Mazzaro, Marcelo Figari; Italian Hospital of Buenos Aires

P071 PREDICTION OF CENTRAL LYMPH NODE METASTASIS IN PAPILLARY THYROID MICROCARCINOMA: A SINGLE INSTITUTIONAL EXPERIENCE OF 1691 PATIENTS.
Sung-Chan Shin, MD1, Byung-Joo Lee, MD, PhD1, Min-Joon Park, MD1, Jeon Yeo Jeong1, Jang, MD, PhD1, Wonjae Cha, MD, PhD1, Soo-Geun Wang, MD, PhD1, Jin-Choon Lee, MD, PhD1; 1Pusan National University Hospital, 2Yangsan Pusan National University Hospital

P072 OUTCOMES-BASED MANAGEMENT PROTOCOL FOR PRIMARY HYPERPARATHYROIDISM IN A SINGLE INSTITUTION: UTILITY OF SURGEON PERFORMED ULTRASOUND
Vikrum Thimmappa, MD, Joshua Wood, MD, Merry Sebelik, MD; University of Tennessee Health Science Center

P073 HOW TO SELECT BETHESDA III CLASSIFICATION PATIENTS FOR SURGERY VERSUS ACTIVE SURVEILLANCE, WITHOUT USING GENETIC TESTING: A SINGLE INSTITUTE EXPERIENCE, PROSPECTIVE ANALYSIS AND RECOMMENDATIONS
Oded Cohen, MD, Sharon Tselnick, MD, MPH, Yonatan Lahav, MD, Doron Schindel, MD, Doron Halperin, MD, MPH, Moshe Yehuda, MD; Kaplan Medical Center

P074 FROM SOUTH KOREA TO IRELAND; THE PAPILLARY THYROID CANCER DRIVEN EPIDEMIC CONTINUES
Paul Lennon1, Sandra Deady2, John Kinsella3, Conrad ‘Timon’4, Martina Morrín3, Mary Leader3, Amar Agha5, Arnold D Hill6, James Paul O’Neill7, ‘St. James’s Hospital, Dublin, 1National Cancer Registry, Ireland, 2Beaumont Hospital, Ireland
**Poster Listing**

**P075** COULD TUMOR SIZE BE A PREDICTOR FOR EXTRATHYROID EXTENSION IN PATIENTS WITH CLINICAL T1 AND T2 PAPILLARY THYROID CARCINOMA
João G Filho, PhD, Thais M Miola, Genival B Carvalho, Luiz P Kowalski, PhD; AC Camargo Cancer Center

**P076** ASPIRIN AND BLEEDING COMPLICATIONS IN THYROID SURGERY
Blake S Raggio, MD1, Emad Kandil, MD1, Paul Friedlander, MD1, Taha Hassoon, MD1, Zaid Al-Qurayshi, MD1, Blair Barton, MD1; Tulane University Medical Center, Tulane University Medical Center

**P077** Withdrawn

**P078** COMPARISON OF UPFRONT DIAGNOSTIC THYROID LOBECTOMY VERSUS SURVEILLANCE STRATEGY IN THE MANAGEMENT OF THYROID NODULES WITH BETHESDA CLASS III CYTOLOGY
Xue Ying Goh1, John Yeong Ting1, Jeffrey Lum2, Min En Nga3, Ling Choo Lim3, Cheew Ming Lim4; Department of Otolaryngology Head and Neck Surgery, National University Health System Singapore, Department of Pathology, NUS, Division of Endocrinology, Ng Teng Fong General Hospital Singapore

**P079** MIDLINE STERNOTOMY UTILISATION IN THYROID MALIGNANCY
Jay Goswamy, Francine Ryba, Ricard Simo; Guy’s and St Thomas’ NHSFT

**P080** EARLY IMPROVEMENTS IN MOOD AND SLEEP FOLLOWING PARATHYROIDECTOMY FOR PRIMARY HYPERPARATHYROIDISM.
Shivani Shab-Becker, MD, Jonathan Derr, MS, MBA, Benjamin S Oberman, MD, Aaron Baker, MD, Michele M Carr, DDS, MD, PhD, David Goldenberg, MD; Penn State Milton S. Hershey Medical Center

**P081** DEATH RELATED TO PULMONARY METASTASIS IN PATIENTS WITH DIFFERENTIATED THYROID CANCER: DEDIFFERENTIATION AS AN INDEPENDENT PROGNOSTIC FACTOR
Ana K Leite, MD1, Beatriz G Cavalheiro, PhD1, Marco Aurelio V Kulcsar1, Lenine G Brandão, PhD2, Claudio R Cernea, PhD2, Leandro L Matos, PhD2; ‘Instituto de Cancer do Estado de Sao Paulo, University of Sao Paulo Medical School

**P082** ADVANTAGES OF ROBOTICALLY DRIVEN HIGH RESOLUTION OPTICS FOR HEAD AND NECK SURGERY.
Martin Corsten, MD, FRGSC; Aurora Health Care

**P083** LATERAL TO STRAP MUSCLE (LTS) ELECTRODE PLACEMENT FOR IMPROVED AUTOMATIC PERIODIC STIMULATION (APS)/ CONTINUOUS RECURRENT LARYNGEAL NERVE MONITORING IN THYROID SURGERY
Daniel A O’Connell, MD, MSc1, Joel Davies, MD, MD, Brittany Barber, MD; University of Alberta, University of Toronto

**P084** THYROID NODULE MULTIDISCIPLINARY TEAM IMPROVES FNA ACCURACY
Patricia S McAdams, MD, Aurora Standlee, MD, Jacqueline Anderson, MD, Michelle Song, DO, Wayne J Harsha, MD; Madigan Army Medical Center

**P085** HOW MANY OF THE THYROID NODULES ARE CANCER?
Corina Galesanu, PhD, C I PInzaru, MD, D Niculescu, PhD, N Danila, PhD, Delia Ciobanu, PhD; University of Medicine and Pharmacy “Gr T Popa”

**P086** THE IMPACT OF THYROID NODULE SIZE AND LOCATION ON COMPRESSION SYMPTOM OCCURRENCE: AN ALGORITHM FOR COUNSELLING PATIENTS
Catherine F Sinclair, MD; Mount Sinai West, New York

**P087** VOCAL FOLD PARALYSIS CAN BE REVERSED AFTER THYROIDECTOMY FOR BENIGN GOITER.
Aline P Miazaki, MD, Vergilius JFA Neto, MD, Claudio R Cernea, Professor, Lenine G Brandao, Professor, Vergilius JFA Filho, Professor; Sao Paulo University - Brazil

**P088** HISTOPATHOLOGICAL FEATURES AND OUTCOMES OF POORLY DIFFERENTIATED THYROID CARCINOMA.
Jay Goswamy, Jean-Pierre Jeannon, Johnathan Hubbard, Ash Chandra, Rose Ngu, Mufaddal Moonim, Edward Odel, Paul Carroll, Jake Powrie, Hosahalll Mohamed, Mary Lei, Iain Nixon, Ricard Simo; Guy’s and St Thomas’ NHSFT

**P089** AMBULATORY THYROIDECTOMY: A SAFE PROCEDURE COSTA RICAN INSTITUTE OF ONCOLOGY EXPERIENCE- AMBULATORY SURGERY PROGRAM
Efrain Cambronerio, MD, Carlos Valverde, MD, Francisco Chen, MD, Armando Meneses, MD; Costa Rican Institute of Oncotherapy

**P090** INCREASING THYROID CANCER RATE AND THE EXTENT OF THYROID SURGERY IN KOREA
Il-Seok Park; Hallym University Dong-tan Sacred Heart Hospital, Department of Otolaryngology-Head and Neck Surgery
P091 FOLLICULAR CARCINOMA: AGGRESSIVE VARIANT IN WELL-DIFFERENTIATED THYROID TUMORS. EXPERIENCE FROM CANCER CENTER.
Gustavo Manta¹, José Brandão², Beatriz Cavaleir², Leandro Luongo³, Marco Aurello Kulcasa, Claudio Cernea, Vergilius Araújo Filho; ¹Department of Head and Neck Surgery, Clinics Hospital, University of Sao Paulo Medical School, Brazil, ²Instituto de Oncologia de Sao Paulo - ICESP, Clinics Hospital, University of Sao Paulo Medical School, Brazil

P092 REFERRAL TRENDS FOR THYROIDECTOMY FOR GRAVES’ DISEASE
Warren C Swegal, MD, Steven Chang, MD, Michael C Singer, MD; Henry Ford Health System, Dept of Otolaryngology

P093 RESOURCE UTILIZATION ASSOCIATED WITH POSTOPERATIVE NECK HEMATOMA AFTER THYROID AND PARATHYROID SURGERY
Erin K Greenleaf, MD, MS, Shivani Shah-Becker, MD, Neerav Goyal, MD, MPH, Christopher S Hollenbeck, PhD, Melissa M Boltz, MD, MBA; Penn State Hershey Medical Center

P094 THE TRUE INCIDENCE OF VOCAL FOLD PARALYSIS IN PATIENTS UNDERGOING PRIMARY THYROID AND PARATHYROID SURGERY
Salem I Noureldine, MD¹, Dane J Genther, MD¹, Jonathon O Russell, MD¹, Ahmed Hassoon, MD, MPH², Ozan B Ozgursoy, MD¹, Mai AlKhadem, MD¹, Ralph P'Tufano, MD, MBA¹; 'Johns Hopkins University School of Medicine, 'Johns Hopkins University School of Public Health

P095 LEVEL I LYMPH NODE DISSECTION IN PATIENTS WITH PAPILLARY THYROID CARCINOMA
Ayman S Nabawi, MD, PhD, FRCS, FRCSI, Diab Ahmed, MD, Hatem F Alwagh, MD, PhD, Essam Gabr, MD, PhD, Tarek Koraitim, MD, PhD, Waleed Abolwafa, Basma Elsabee, MD, PhD, Yasser Hamza, MD, PhD, Mahmoud Sakr, MD, PhD; Alexandria University School of Medicine

P096 A 10-YEAR EXPERIENCE OF SURGICAL TREATMENT OF PRIMARY HYPERPARATHYROIDISM DUE TO PARATHYROID TUMOR
Lu Feng, MD, Xu Zhang, MD, Shanting Liu, MD, PhD; The Affiliated Cancer Hospital of Zhengzhou University

P097 SURGICAL TECHNIQUE AND OUTCOMES OF REVISION THYROID SURGERY UNDER RECURRENT LARYNGEAL NERVE MONITORIZATION
Kursat Gokcan, MD, Ciler-Tezcaner, MD, MS, Murat Kicili, MD, MS, Babur Kucuk; Ankara University Medical School

P098 TRANSCERVICAL MEDIASTINOSCOPIC THYROIDECTOMY - A NOVEL APPROACH FOR THE SURGICAL MANAGEMENT OF SUBSTERNAL THYROID MASSES
Dev P Kamdar, MD, Benjamin E Saltman, MD, Douglas K Frank, MD, David Zeltsman, MD; Long Island Jewish Medical Center, Northwell Health

P099 STERNOTOMY VERSUS TRANSCERVICAL APPROACH TO SUBSTERNAL THYROID GOITER EXCISION: INDICATIONS AND OUTCOMES
Vidur Bhalla, MD, Marco Ayala, MD, Kiran Kakarala, MD, Yelizaveta Shnayder, MD, Terance T Tsue, MD, Douglas Girod, MD; University of Kansas

P102 CLINICAL SIGNIFICANCE OF PET CT IN RECURRENT PAPILLARY THYROID CANCER
Byung-Joo Lee, MD, PhD¹, Ji-Hun Kang, MD¹, Min Joon Park, MD¹, Sung-Chan Shin, MD¹, Jeon Yeob Jang, MD, PhD¹, Wonjae Cha, MD, PhD¹, Soo-Geun Wang, MD, PhD¹, Jin-Choon Lee, MD, PhD¹; 'Pusan National University Hospital, 'Yangsan Pusan National University Hospital

P103 RETRO-AURICULAR THYROIDECTOMY: AN OPEN APPROACH
Jason Trahan, MD, Laura Pelayez, MD, Michael DiLeo, MD, Daniel Nuss, MD, Leslie Son, PhD, Rohan Walvekar, MD; Louisiana State University- New Orleans

P104 MULTICENTRIC THYROID CARCINOMA: EPIDEMIOLOGICAL AND HISTOLOGICAL ANALYSIS IN A CANCER REFERENCE HOSPITAL.
Rafael N Goulart, MD, Luiz R Medina dos Santos, MD, PhD; Felipe B Chiaromonte Silva, MD, Priscila Goulart, MD; Oncologic Research Center - Florianopolis - Brazil

P105 A FLEXIBLE, SINGLE-ARM ROBOTIC SURGICAL SYSTEM FOR RETROAURICULAR THYROIDECTOMY: PRECLINICAL CADEVERIC STUDY
Myung-Chul Lee, MD, PhD¹, Yoon Woo Koh, MD, PhD², Gil Chai Lim, MD², Eun Chang Choi, MD, PhD², Christopher Holsinger, MD, FACSF; 'Division of Head and Neck Surgery, Department of Otolaryngology, School of Medicine, Stanford University, Palo Alto, California, United States, Department of otorhinolaryngology Head & Neck Surgery, Korea Cancer Center Hospital, Seoul, Republic, 'Department of Otorhinolaryngology, Severance Hospital, Yonsei University Health System, Yonsei University College of Medicine, Seoul, Republic of Korea, 'Department of Otolaryngology Head & Neck Surgery, Jeju
P106 METASTASIS TO RIGHT UPPER PARAESOPHAGEAL LYMPH NODES
Jin-Choon Lee, PhD, Byung-Joo Lee, PhD, Soo-Geun Wang, PhD; Pusan National University School of Medicine

P107 SIGNIFICANCE OF INCIDENTAL PAPILLARY CARCINOMA IN NECK DISSECTIONS FROM OROPHARYNGEAL CARCINOMA IN THE ERA OF HUMAN PAPILLOMA VIRUS (HPV) AND TRANSORAL ROBOTIC SURGERY (TORS).
Christopher Aguilar, BSN, RN, G S Weinstein, MD, B W O’Malley Jr., MD, C H Rashek, MD, FACS; University of Pennsylvania

P108 A COST-UTILITY ANALYSIS OF RECURRENT LARYNGEAL NERVE MONITORING IN THE SETTING OF TOTAL THYROIDECTOMY
Daniel J Rocke, MD, JD1, David P Goldstein, MD, MSc2, John R de Almeida, MD, MSc2; 1Duke University Medical Center, 2Princess Margaret Hospital

P109 PARATHYROID BIOPSY IN CONJUNCTION WITH BILATERAL PARATHYROID EXPLORATION TO FACILITATE THE PRESERVATION OF VIABLE PARATHYROID TISSUE DURING TOTAL THYROIDECTOMY
Thomas E Heineman, MD1, Sanjay M Salgado, MD2, A. Joshua Zimm, MD2, Marc A Cohen, MD2, David I Kutler, MD, FACS4, William I Kuhel, MD, FACS4, ‘UCLA Head and Neck Surgery, 2Weill Cornell Medical College, 3Division of Facial Plastic Surgery, Department of Otolaryngology-Head and Neck Surgery, Lenox Hill Hospital and Manhattan Eye, Ear, and Throat Institute of NorthShore/LIJ Health System, 4Weill Cornell Medical College Otolaryngology Head and Neck Surgery

P110 SURGICAL RESULTS OF PARATHYROIDECTOMY WITHOUT INTRAOPERATIVE PARATHYROID HORMONE ASSAY IN RENAL HYPERPARATHYROIDISM - AN ASIAN CENTER PROSPECTIVE STUDY
Anna Xinvin See, MMed, ENT, Jeremy Chung Fai Ng, FRCS2, Amy Ee Lin Lim3, Ngian Chye Tan, FRCS4, N Gopalakrishna Iyer, FRCS, PhD4, Hoong Khoon Tan, FRCS, PhD4; 1Duke-NUS Head & Neck Centre, 2Singapore General Hospital, 3Division of Facial Plastic Surgery, Department of General Surgery, 4Singapore General Hospital, Department of Renal Medicine, 5SingHealth Duke-NUS Head & Neck Centre

P111 ECHOCARDIOGRAM CHANGES FOLLOWING PARATHYROIDECTOMY IN PATIENTS WITH PRIMARY HYPERPARATHYROIDISM: A SYSTEMATIC REVIEW AND META-ANALYSIS
Corliss Best1, Danielle MacNeil, Dr2; 1Northern Ontario School of Medicine, 2Western University

P112 PREDICTIVE FACTORS FOR POST THYROIDECTOMY HYPOCALCEMIA; DETERMINING A CLINICALLY USEFUL IPTH LEVEL FOR DISCHARGING PATIENTS EARLY.
Joshua Tay, MD, Valencia Foo, MBBS, Chwee-Ming Lim, MD, Thomas Loh; National University Health System

P113 A NORMOGAM TO PREDICT PERMANENT HYPOCALCEMIA AFTER TOTAL THYROIDECTOMY
Genival B de Carvalho, MD, Marcel Adalid T Vega, Isabela Berg P Martins, Hugo F Kohler, MD, Renan B Lira, MD, Lúiza P Kowalski, MD; A C Camargo Cancer Center

P114 NOVEL MINIMAL INVASIVE, SCAR LESS, OPEN THYROIDECTOMY - HORIZONTAL LATERAL THYROIDECTOMY (THOMAS TECHNIQUE): COMPARISON WITH TRADITIONAL OPEN THYROIDECTOMY.
Jichun Yu, MD, Debin Xu, MD, Yuxinia Lv, MD, Wanzhi Chen, MD, Rong Xie, MD; Department of Thyroid Surgery, The Second Affiliated Hospital of Nanchang University

P115 STIMULATING DISSECTION USING DETACHABLE MAGNETIC NERVE PROBE DURING INTRAOPERATIVE NEUROMONITORING THYROID SURGERY
Byung-Joo Lee, Sung-Chan Shin, Soo-Geun Wang, Jin-Choon Lee, Jeon-Youb Jang; Pusan National University Hospital

P116 DIAGNOSTIC MISTAKES AND TREATMENT OF ADVANCED BONE HYPERPARATHYROIDISM PATIENTS
Anatoly Romanchishen, MSc, Zoya Matveeva, Alexander Gostimskii, Kristina Vabalayte, PhD; St.Petersburg Pediatric Medical University

P117 RETROSPECTIVE REVIEW: COMPLICATIONS AND PREDICTORS OF POSTOPERATIVE HYPOCALCEMIA IN PRIMARY HYPERPARATHYROIDISM
Daniel Wehrmann, MD, Albina Tyker, BS, Kara Christopher, MS, MPH, Kimberly McCormick, RMA, Ronald J Walker, MD; Saint Louis University School of Medicine
P118 POSTOPERATIVE HYPOCALCEMIA AFTER TOTAL THYROIDECTOMY FOR THYROID CANCER: EVALUATION, ASSESSMENT OF RISK FACTORS AND PREDICTION OF OUTCOMES
Ashraf H Shawki, MD, Sherif B Zayed, MD, Ayman Amin, MD; National Cancer Institute, Cairo University

P119 SURVIVAL BENEFITS OF SURGERY WITH RADIATION VS RADIATION ALONE FOR ANAPLASTIC THYROID CANCER: A REVIEW OF THE LITERATURE AND SURVEILLANCE, EPIDEMIOLOGY, AND END RESULTS DATABASE ANALYSIS
Christina M Mimikos, DO, Adrienne Groman, MS, Kimberly Wooten, MD, Wesley Hicks, MD, Abraham Kuriakose, MD, David Cohan, MD, Vishal Gupta, MD, Mary Platek, PhD, Anurag Singh, MD, Hassan Arshad, MD; Roswell Park Cancer Institute

P120 OPEN MINIMALLY-INVASIVE LATERAL NECK DISSECTION
Adonis Ramirez, MD, MsC, FACS; Alvaro Sanabria, MD, PhD, FACS; ‘University Hospital of Neiva, Surcolombiana University, ‘Universidad de Antioquia. Fundacion Colombiana de Cancer

P121 POSTOPERATIVE RECURRENT GOITER: EARLY POSTOPERATIVE AN FOLLOW UP RESULTS OF 1404 CASES SURGERY
Anatoly Romanchishen, MSc, Alexei Akinchev, PhD, Kristina Vabalayte, PhD, Igor Karpatskii, PhD; St. Petersburg Pediatric Medical University

P122 FOLLICULAR THYROID CARCINOMA METASTASIS TO THE FACIAL SKELETON: CASE REPORT AND LITERATURE REVIEW
Varun V Varadarajan, MD, Elizabeth K Pace, MD, Peter T Dziegielewski, MD, FRCS; ‘University of Florida Department of Otolaryngology. University of Florida College of Medicine

P123 INDETERMINATE THYROID NODULE MANAGEMENT: DO AGE, GENDER, AND SIZE AID IN PREDICTING MALIGNANCY?
Mohamed Al-Ali, Matthew Rigby, Mark Taylor, Jonathan Trites, Martin Bullock, Robert Hart; Dalhousie University

P124 DISSECTION OF RIGHT UPPERPARAESOPHAGEAL LYMPH NODE FOR MANAGEMENT OF RECURRENT OR PERSISTENT NODAL LESION IN PATIENT WITH PAPILLARY THYROID CANCER.
Min-Joon Park, MD, Sung-Chan Shin, MD, Sung-Dong Kim, MD, Byung-Joo Lee, MD, PhD, Soo-Geun Wang, MD, PhD, Wonjae Cha, MD, PhD, Jeon Yeob Jang, MD, PhD, Da-Woon Jung, MD, Jin-Choon Lee, MD, PhD; Pusan National University School of Medicine

P126 INCIDENTAL THYROID NODULES: RACIAL DISPARITIES IN NODULE IDENTIFICATION
Ayaka J Iwata, MD, MS, Arti Bhan, MD, Sharon W Lahiri, MD, Amy Williams, PhD, Steven S Chang, Michael C Singer; Henry Ford Health System

P127 OUTCOMES AND COMPARISONS OF TWO PRACTICE MODELS IN PEDIATRIC THYROIDECTOMY PATIENTS
Paul D Judge, MD, Joseph Mensourek, MD, Jordan Schramm, MD, Robert Cusick, MD, William Lydiatt, MD; ‘University of Nebraska Medical Center, ‘The Children’s Hospital of Philadelphia, ‘Children’s Hospital and Medical Center (Omaha)

P128 INCIDENTAL VERSUS NON INCIDENTAL PAPILLARY THYROID MICROCARCINOMA: CLINICAL AND HISTOPATHOLOGIC DIFFERENCES IN 373 PATIENTS.
Agnaldo J Graciano, MD, Carlos T Chone, PHD, MD, Clineu G Hernandez Junior, MD, Lorena L Siqueira Marques, MD, Carlos A Fischer, MD, Giuliano S Bublitz, MD; ‘State University of Campinas, ‘Hospital Sao Jose, ‘University of Joinville

P129 DOES ASA PHYSICAL STATUS MAKE AN INFLUENCE ON THE PATIENTS’ SURVIVAL AFTER TOTAL THYROIDECTOMY?
Shogo Shinohara, MD, PhD, Atsushi Suehiro, MD, PhD, Hirokuki Harada, MD, Masahiro Kikuchi, MD, PhD, Ippei Kishimoto, MD, Fumihiro Kuwata, MD, Ryosuke Yamamoto, Kazuki Hayashi, MD, Kazuo Yamazaki, MD, Kazuma Yunoki, MD; Kobe City Medical Center General Hospital

P130 A TECHNIQUE TO REDUCE SKIN BURNS FROM HARMONIC SCALPEL DURING THYROID SURGERY
Joshua Park, MD, Alfred Simental, MD, Pedro De Andrade Filho, MD; Loma Linda University

P131 TIMING OF POSTOPERATIVE PTH ASSAY(6 VERSUS 12 HR) IN PREDICTING HYPOCALCEMIA IN PATIENTS UNDERGOING COMPLETION/TOTAL THYROIDECTOMY
N Lee1, H Li2, My Lim3; 1MOHH, 2TTSH, 3NUHS

P132 TOTAL THYROIDECTOMY WITH LIGASURE™ SMALL JAW OR HARMONIC FOCUS® VERSUS CONVENTIONAL THYROIDECTOMY - A CLINICAL STUDY.
Genival B de Carvalho, MD, Marcel Adalid, MD, Hugo F Martins; University of Joinville
Poster Listing

Kohler, Renan B Lira, Luiz P Kowalski, PhD; A C Camargo Cancer Center

P133 TUMORMORBUSB IN INTERNAL JUGULAR VEIN FROM THYROID MALIGNANCY - PRESENTATION, MANAGEMENT AND REVIEW OF LITERATURE
Mahesh V Kattimani, MS, ENT1, Donald John Baby, MS, FCPS, FMAS, FIAGES, MCh, FEBS2; 1BKWL WALAWALKAR RURAL MEDICAL COLLEGE, 2Tata Memorial Cancer Hospital

P134 NEUROMOTORING DURING THYROIDECTOMIES: THE IMPORTANCE OF THE SYNTOPY OF THE VAGUS NERVE IN THE CAROTID SHEATH
Flavio Hojaij, FULL, PROFESSOR, Cernea Claudio, FULL, PROFESSOR, Flavia Akamatsu, PHD, Mauro Andrade, PHD, Cristina Camargo, PHD, Massarollo Paulo, PHD, Alfredo Jacomo, FULL, PROFESSOR; FMUSP

P135 COMPLICATIONS OF TOTAL THYROIDECTOMY IN MANAGEMENT WELL-DIFFERENTIATED THYROID CANCER
Nguyen Phuc; oncology hospital

P136 LIVER METASTASES OF INSULAR THYROID CARCINOMA
Carlos S Duque MD1, Claudia Monsalve, MD2, Jose L Torres, MD2, Juan C Perez, MD1, Alejandro Velez, MD3, Sergio Hoyos, MD4, Edgar Idarraga, MD2; 1Hospital Pablo Tobon Uribe, 2Universidad Pontificia Bolivariana, 3Universidad Tolima, 4Universidad De Caldas

P137 MANAGEMENT OF HYPERPARATHYROIDISM WITH BONETUMOR-LIKE PRESENTATION, APPROACH FOR DIAGNOSIS AND SURGICAL INTERVENTION
Tarek K Saber; Professor of Surgical Oncology; National Cancer Institute, Cairo University

P138 A PRACTICAL ALGORITH AND REVIEW OF GUIDELINES IN THE WORKUP OF THYROID NODULES
Adam A Dmytriw, MD, MSc1, Jin Soo Song MD1, Reza Forghani, MD, PhD2, Eugene Yu, MD1, Colin C Poon, MD, PhD3; 1University of Toronto, 2Jewish General Hospital, 3Princess Margaret Hospital, 4Yale Medical School

P139 PARATHYROID GLAND LOCALIZATION USING FINE NEEDLE ASPIRATION TECHNIQUE IN COMBINATION WITH MOLECULAR SIGNATURE IDENTIFICATION IN PATIENTS WITH HYPERPARATHYROIDISM
Phillip Pellitteri, DO, James Biery, PAC; Guthrie Clinic Ltd, Guthrie Health System

P140 WITHDRAWN

P141 EXTENSIVE PERSISTENT MEDULLARY THYROID CANCER: AGGRESSIVE REOPERATION IS WORTHWHILE?
Martin Granados-Garcia, MD, Antonio Gomez-Pedraza, MD, Juauhyama Luna-Ortiz, MD; Instituto Nacional de Cancerologia

P142 ANALPLASTIC THYROID CARCINOMA: EXPERIENCE FROM A SOUTH AMERICAN HEAD AND NECK SURGERY REFERRAL CENTER
Pedro Picco, MD, Axel Sahovaler, MD, Alejandro Yanzon, MD, Ana Jaen, MD, Marcelo Figari, MD; Italian Hospital of Buenos Aires

P143 OBESITY: WHAT IS THE ROLE OF THIS ISSUE IN TOTAL THYROIDECTOMY?
Thiago C Chulam, PhD, Genival B De Carvalho, MD, Marcel A Tapia Vega, MD, Isabel A Macambira Martins, MD, Hugo F Kohler, MD, Andre’Y de Carvalho, MD, Renan B Lira, MD, Joao G Filho, PhD, Luiz P Kowalski, PhD; AC CAMARGO CANCER CENTER

P144 ENDOSCOPIC AND ROBOTIC HEMITHYROIDECTOMY VIA RETROAURICULAR APPROACH: EARLY EXPERIENCE IN LATIN AMERICA
Renan B Lira, MD, Thiago C Chulam, MD, PhD, Willem H Schreuder, MD, DDS, Luiz P Kowalski, MD, PhD; AC Camargo Cancer Center

P145 WELL-DIFFERENTIATED THYROID CARCINOMA IN 50 CASES: ANALYSIS OF 11 CASES WITH UNUSUAL PRESENTATIONS
Mohamed A Ellabban, MD, MRCS, FEBOPRAS; Suez Canal University Hospitals and Medical School, Ismailia, Egypt

P146 THIRD BRANCHIAL CLEFT CYST WITH MYCOBACTERIUM INFECTION
George Ferzli, MD, Punam Thakkar, MD, Nira Goldstein, MD, Natalya Chernichenko, MD; SUNY Downstate

P147 PARATHYROID CARCINOMA. CASE REPORT.
Antonio Gomez-Pedraza, MD1, Fernando Aleman Rojas, MD2, Hector Nava Leyva, MD3, Mariana I. Herrera-Guerrero, MD4, Maria M. Gracia Francis, MSc1; 1INSTITUTO NACIONAL DE CANCEROLOGIA, 2LA RAZA IMSS, 3ABC MEDICAL CENTER, 4HOSPITAL JUAREZ DE MEXICO
P148 ENDOVASCULAR MANAGEMENT OF IATROGENIC ANTERIOR COMMUNICATING ARTERY PSEUODOANEURYSM
Adam A Dmytriw, MD, MSc, Jin Soo A Song, MD, Dipanka Sarma, MD, Walter Montanera, MD, Michael Cusimano, MD, PhD, Aditya Bharatha, MD; "University of Toronto, St. Michael's Hospital"

P149 UNDERSTANDING AND MANAGEMENT OF FAMILIAL MEDULLARY THYROID CANCER.
Hamdy - Elmarakby, Mr; National Cancer Institute

P150 CONTINUOUS INTRA-OPERATIVE NERVE MONITORING IN SUBSTERNAL GOITER
Michael V Medina, MD; Cleveland Clinic Florida

P151 EVALUATION OF THE INFERIOR LARYNGEAL NERVE THROUGH MONITORING WITH THE STIMULATION OF THE VAGUS NERVE DURING THYROIDECTOMIES.
Marco Kulcsar, Full, Professor, MD, PhD; Jorge Kim, MD; Sergio Gonçalves, MD; Felipe Ayres, MD; Cernea Claudio, Full, Prof, PhD, MD; Lenine Brandão, Chairman, Full, Prof. PhD, MD; "Cancer Institute of São Paulo, ICESP, São Paulo Faculty of Medicine"

P152 CYST INTRA-THYROID THYROGLOSSAL - AN INCIDENTAL FINDING OR DIAGNOSTIC FAILURE?
Alex F Porsani, MD; Marina M Silva, Miguel J Pitta; Santa Casa de Araraquara

FUNCTIONAL OUTCOMES/QUALITY OF LIFE

P155 ASSESSING DONOR SITE DYSFUNCTION IN HEAD AND NECK CANCER PATIENTS WHO UNDERGO FIBULA FREE FLAP
Yash Patil, Dr, Jonathan Mark, Dr, Darlene Sparkman, Dr, Anas Micara, Dr; University of Cincinnati

P156 FRENIC NERVE FUNCTION ASSESSMENT AFTER NECK DISSECTION
Anne F.S. G Santana, PT, MSc, Pedro Caruso, MD, PhD, Gislaeine C. L. M Porto, MD, PhD, Luiz P Kowalski, MD, PhD, Jose G Vartanian, MD, PhD; "A. C. Camargo Cancer Center"
P162 FUNCTIONAL AND QUALITY OF LIFE OUTCOMES OF SURGICAL AND NONSURGICAL THERAPY IN OROPHARYNGEAL CANCER
Ali C Yumusakhuylu, MD1, Isa Ozbay, MD2, Virginia Diavolitis, MD3, Matthew Old, MD4, Theodoros Teknos, MD5, Amit Agrawal, MD6, Stephen Kang, MD7, Ricardo Carrau, MD8, James Rocco, MD9, PhD10, Enver Ozer, MD11; 1Ohio State University Department of Otolaryngology Head and Neck Surgery Marmara University Department of Otolaryngology Head and Neck Surgery, 2Ohio State University Department of Otolaryngology Head and Neck Surgery, 3Ohio State University Department of Otolaryngology Head and Neck Surgery, 4Ohio State University Department of Otolaryngology Head and Neck Surgery, 5Ohio State University Department of Radiation Oncology, 6Ohio State University Department of Otolaryngology Head and Neck Surgery, 7Dumlupinar University Department of Otolaryngology Head and Neck Surgery, 8Ohio State University Department of Otolaryngology Head and Neck Surgery, 9Ohio State University Department of Radiation Oncology, 10Ohio State University Department of Radiation Oncology, 11Ohio State University Department of Radiation Oncology.

P163 SHOULDER FUNCTION AFTER SCAPULAR FREE FLAP
Hubert Low, Krupal B Patel, MD, Allison Partridge, S. Danielle MacNeil, MD, Anthony Nichols, MD, John Yoo, MD, Kevin Fung; Western University

P164 CAN SWALLOWING THERAPY BE COMBINED WITH PSYCHOLOGICAL THERAPY TO IMPROVE DYSPHAGIA OUTCOMES FOLLOWING HEAD AND NECK CANCER TREATMENT? A FEASIBILITY STUDY
Jo Patterson, Dr1, E McColl, Prof2, Ja Wilson, Prof3, V Deary, Dr4; 1Newcastle University, 2Northumbria University

P165 ANALYSIS OF VOICE AND SWALLOWING FUNCTIONS AFTER THYROIDECTOMY
Il-Seok Park, MD, PhD, Bumjeong Park, MD, PhD, Jin Hwan Kim, MD, PhD, Young Soo Rho, MD, PhD; Hallym University Medical Center

P166 OCCUPATIONAL THERAPY INTERVENTION FOR HEAD AND NECK CANCER
Yasi Amanat, MA, OTRL1, Stacey Morikawa, OTD1, CLT1, Helen Mirsaedi, OTD2, OTRL3, CLT, Mahjabeen Aftab Hashmi, OTRL1; 1University of Southern California

P167 VOICE-RELATED QUALITY OF LIFE IN LARYNGECTOMIES AND THE NEXT GENERATION OF VOCAL ASSISTIVE TECHNOLOGIES
Magdalena Chirila, PhD, MD1, Cristina Tiple, MD2, Fiorina V Dinescu, MD3, Silviu Matu4, Radu Soflau5, Mircea Giurgiu, PhD6, Adriana Stan, PhD7, David David, PhD8; 1Iuliu Hatieganu University of Medicine and Pharmacy Cluj-Napoca, Romania, 2Babes-Bolyai University Cluj-Napoca, Romania, 3Technical University, Cluj-Napoca, Romania, 4Technical University, Cluj-Napoca, Romania, 5Technical University, Cluj-Napoca, Romania, 6Technical University, Cluj-Napoca, Romania, 7Technical University, Cluj-Napoca, Romania, 8Technical University, Cluj-Napoca, Romania, 9Technical University, Cluj-Napoca, Romania, 10Technical University, Cluj-Napoca, Romania, 11Technical University, Cluj-Napoca, Romania

Cluj-Napoca, Romania, 'Icahn School of Medicine at Mount Sinai, New York, USA.

P168 OVERVIEW OF 10 YEARS EXPERIENCES: LESSONS AFTER 1,000 CASES INTRODUCTION OF ROBOT SURGERY IN HEAD AND NECK CANCER
Jin Won Kim, MD1, Ji Hoon Kim, MD2, Da Hee Kim, MD3, Jung Min Kim, MD4, Won Shik Kim, MD5, Hyung Kwon Byeon, MD6, Jae Wook Kim, MD7, Jae Hong Park8, Myung Jin Ban, MD9, Hyun Joon Hong, MD10, Yoon Woo Koh, MD, PhD11, Eun Chang Choi, MD12, PhD13; 'Yonsei University College of Medicine, 'Soonchunhyang University College of Medicine, 'Catholic Kwandong University College of Medicine

P169 A RANDOMIZED CONTROL TRIAL OF TRADITIONAL SWALLOWING THERAPY AND TRANSCUTANEOUS ELECTRICAL STIMULATION THERAPY FOR DYSPHAGIA FOLLOWING TREATMENT OF PRIMARY NASOPHARYNGEAL CARCINOMA
Jason Y Chan, Rita W Wong, Kathy Y Lee, Louisa K Ng, Eddy WY Wong, Alexander C Vlantis, Thomas K Law, Peter K Ku, C Andrew van Hasselt, Michael C Tong; The Chinese University of Hong Kong

P170 USE OF THE STERNOCLEIDOMASTOID TENDON AS A RELIABLE AND SAFE LANDMARK FOR THE IDENTIFICATION OF THE SPINAL ACCESSORY NERVE.
Aurora Standlee, MD1, Namou Kim, MD2, M CTiu, PAC2, Wayne Harsha, MD3; 1Madigan Army Medical Center, 2Swedish Medical Center, Seattle WA

P171 ELECTRONIC DISTRESS SCREENING DURING TREATMENT FOR HEAD AND NECK CANCER
Amy M Williams, PhD1, Michael Ryan, PhD2, Wendy Goldberg, MSN, APRN, BC2; Henry Ford Health System

P173 LONG-TERM QUALITY-OF-LIFE AND FUNCTIONAL OUTCOMES OF TRANSORAL ROBOTIC SURGERY FOR CARCINOMA OF UNKNOWN PRIMARY
Isa Ozbay, MD1, Ali C Yumusakhuylu, MD2, Matthew Old, MD3, Amit Agrawal, MD4, Theodoros Teknos, MD5, Enver Ozer, MD6; 1Dept of Otolaryngology-Head and Neck Surgery, 2Arthur G. James Cancer Hosp and Richard J. Solove Research Institute, Comprehensive Cancer Ctr, the Ohio State Uni Wexner Medical Ctr, Columbus, Ohio, USA; 3Dept of Otolaryngology, Head and Neck Surgery, Dumlupinar Uni, Kutahya, Turkey; 4Dept of Otolaryngology-Head and Neck Surgery, Arthur G. James Cancer Hosp and Richard J. Solove Research Institute, Comprehensive Cancer Ctr, the Ohio State Uni Wexner Medical Ctr, Columbus, Ohio, USA; 5Dept of Otolaryngology-Head and Neck Surgery, Arthur G. James Cancer Hospital and Richard J. Solove Research Institute, Comprehensive Cancer Center, the Ohio State University Wexner Medical Center, Columbus, Ohio, USA

204 9th International Conference on Head & Neck Cancer
P174 DECISIONAL REGRET IN LONG-TERM OROPHARYNGEAL CARCINOMA SURVIVORS
Ryan P Goepfert, MD, G. Brandon Gunn, MD, Ehab Y Hanna, MD, Jan S Lewin, PhD, Jhananjit S Zaveri, MPH, Rachel M Hubbard, BS, Martha P Barrow, MPH, Katherine A Hutcheson, PhD; The University of Texas MD Anderson Cancer Center

P175 EARLY POSTOPERATIVE ORAL EXERCISE IMPROVES SWALLOWING FUNCTION AMONG ORAL CAVITY CANCER PATIENTS: A RANDOMIZED CONTROLTRIAL
Ching-Chi Hsiang, MSc, RN, Andy Chen, MD, Chih-Hua Chen, MSc, SLP, Mu-Kuan Chen, MD, PhD; Department of Otorhinolaryngology, Head and Neck Surgery, Changhua Christian Hospital

P176 COMPARATIVE ANALYSIS QUALITY OF LIFE IN PATIENTS WITH ADVANCED MALIGNANCIES OF LARYNX AND ORAL CAVITY UNDERGOING RADICAL SURGERY
Fernanda G Souza, PhD, MS, Izabella C Santos, PhD, MS, Fernando L Dias, PhD, MS, Luiz S Thuler, PhD, MS, Anke Bergmann, PhD, MS, Maria da Conceição C Moreira, MS, José R Soares, PhD, MS; Brazilian National Cancer Institute

P177 ASSESSMENT OF DONOR SITE MORBIDITY AND PATIENT SATISFACTION: ANTEROLATERAL THIGH VERSUS RADIAL FOREARM FREE FLAP
Katherine L Fedder, MD1, Jason Leibowitz, MD2; 1University of Virginia, 2University of Miami

P178 LONG TERM RESULTS OF SINGLE STAGE RECONSTRUCTIVE SURGERY FOR INTRALUMINAL LARYNGOTRACHEAL INVASION OF DIFFERENTIATED THYROID CANCER BY COMBINED EXTERNAL JUGULAR VENO-ACCOMPANYING ARTERY PEDICLED FASCIOCUTANEOUS FLAPS (VAF KIMONO FLAP).
Masao Toji1, Tokio Hasegawa, MD2, Kazuo Kishi, MD3, Hak Chang, MD, PhD2, Nobuaki Imanishi, MD; 1Shin-yurigaoka General Hospital, 2Stella Clinic, Akita, 3Keio University

P179 TREATMENT RELATED SIDE EFFECTS IN OROPHARYNX CANCER THERAPY
Michael R Kaufman, MD, Thomas Gal, Charles Wooten, Mahesh Kudrimoti; University of Kentucky

P180 IMPROVING VOICE OUTCOMES WITH THYROIDECTOMY PATIENTS THROUGH VIDEOSTROBOSCOPY AND VOICETHERAPY
Melody OuYoung, SLP, Brenda Villegas, MS, CCSSL; Niels Kokot, MD, Utam Sinha, MD; USC

P181 SOLO ROBOTIC THYROIDECTOMY SURGERY WITH THE DA VINCI XI SYSTEM
Chan Min Jung, MD1, Ji Hoon Kim, MD1, Da Hee Kim, MD1, Jung Min Kim, MD1, Won Shik Kim, MD1, Hyoung Kwon Byeon, MD, PhD1, Jae Wook Kim, MD1, Jae Hong Park, MD1, Myung Jin Ban, MD1, Hyun Jun Hong, MD, PhD1, Yoon Woo Koh, MD, PhD1, Eun Chang Choi, MD, PhD1; ‘Yonsei University College of Medicine, ‘Soonchunhyang University College of Medicine, ‘Catholic Kwandong University College of Medicine

P182 PROSPECTIVE COMPARATIVE STUDY OF SWALLOWING QUALITY OF LIFE BETWEEN PATIENTS UNDERGOING MAJOR GLOSSECTOMY WITH HYOID FIXATION VS MAJOR GLOSSECTOMY WITH NATURAL HYOID POSITIONING BY PRESERVATION OF CONTRALATERAL MYLOHYOID MUSCLE.
Donald John Babu, MSFCPSMcHFMASFIAGESFEBS, Surg. Once, Prathmesh Srinivas Pai, MSDNBORLNMAMS; Tata Memorial Cancer Hospital

P183 CLINICALLY RELEVANT ASSESSMENT OF COGNITIVE FUNCTION IN PATIENTS WITH HEAD AND NECK CANCER: PREVALENCE AND CORRELATES
Amy M Williams, PhD, Tamer Ghanem, MD, PhD, Farzan Siddiqui, MD, PhD, Steven S Chang, MD; Henry Ford Health System

P184 SWALLOWING VIDEOFLUOROSCOPY IN THE LATE PERIOD AFTER SUPRACRICOID LARYNGECTOMY
Andressa Freitas, MSc, Izabella Santos, PhD, Emilion Freitas, MD, Edson Boasquevisque, PhD, Fernando Dias, MSc, MD; INCA Brazil

P185 PROOF OF CONCEPT OF A TRACHEOESOPHAGEAL PROSTHESIS INSUFFLATOR FOR SPEECH PRODUCTION AFTER TOTAL LARYNGECTOMY
Heather Starmer, MA, CCSSL; Russell H Taylor, PhD, Salem I Noureldine, MD; Jeremy D Richmon, MD; ‘Stanford School of Medicine, ‘Johns Hopkins University School of Engineering, ‘Johns Hopkins University School of Medicine
P186 VARIABLES ASSOCIATED WITH COMMUNICATIVE PARTICIPATION AFTER HEAD & NECK CANCER
Susan Bolt, MSP1, Tanya Eadie, PhD1, Kathryn Yorkston, PhD2, Carolyn Baylor, PhD3, Dagmar Amtmann, PhD4; 1Department of Speech and Hearing Sciences, University of Washington, Seattle, WA, USA, 2Department of Rehabilitation Medicine, University of Washington, Seattle, WA, USA

P187 ESOPHAGEAL DILATION IN HEAD AND NECK CANCER PATIENTS: A SYSTEMATIC REVIEW
William J Moss, MD, Ryan K Orosco, MD, Philip A Weissbrod, MD, Charles S Coffey, MD; UCSD

P188 RISK FACTORS FOR GASTROSTOMY TUBE PLACEMENT FOLLOWING ORAL CAVITY RECONSTRUCTION WITH FREE TISSUE TRANSFER
Marco A Ayala, MD, Sameer Alvi, MD, Valerie Wood, MD, Jason Lepse, Kevin Sykes, PhD, Douglas Girod, MD, Yelizaveta Shnayder, MD, Terance Tsue, MD, Kiran Kakarala, MD; University of Kansas Medical Center

P189 MARITAL STATUS AS A PREDICTOR OF SURVIVAL IN HPV POSITIVE ORAL CAVITY AND OROPHARYNGEAL TUMORS
Samuel J Rubin1, Chandala Chitguppi2, Diana N Kirke1, Minh T Truong1, Scharukh Jalil1; 1Boston Medical Center, 2Maulana Azad Medical College, New Delhi, Delhi, India

P190 PSYCHIATRIC INTERVENTIONS REQUIRED IN PATIENTS OF HEAD AND NECK CARCINOMA, AS COMPARED TO OTHER ENT PATIENTS.
Varun J Dave, MS, Jaymin A Contractor, MS, DORL; GMC, Surat.

P191 THE INCIDENCE OF HEAD AND NECK CANCERS IN SURVIVORS OF CHILDHOOD MALIGNANCIES
Oluwafunmilola T Okuyemi, MD, MSCI1, Chuka V Ifeanyi, MD1, Nitin A Pagedar, MD, MPH, FASCI1; 1Department of Otolaryngology-Head and Neck Surgery, University of Iowa Hospitals and Clinics, Iowa City, IA 52242, 2Otolaryngology-Head and Neck Surgery, Highland Clinic, Shreveport, LA 71105

P192 RATE OF CAROTID STENOSIS IN PATIENTS TREATED FOR HEAD AND NECK CANCER: RESULTS OF A LARGE COMMUNITY PRACTICE.
Jason A Call, MD1, Jeffrey D Bunn, MD1, Ryan Nachreiner, MD1, Christopher M Lee, MD1, Robert K Fairbanks, MD1, Wayne T Lamoreaux, MD1, Aaron Wagner, MD1, Shelley Berdar, RN1, Brian Mitchell, DO1; 1Providence Spokane Heart Institute, Spokane, WA, 2Cancer Care Northwest and Gamma Knife of Spokane, Spokane, WA, 3Providence Health Services, Spokane, WA, 4Providence Spokane Head, Neck & Thyroid Cancer Program, Spokane, WA

P193 MANAGEMENT OF INTRA-OPERATIVE CHYLE LEAK: RECOGNITION AND CONTROL
Brett Tracy, MD, Laura Dubner, Guy J Petruzelli, MD, PhD, FACS; Memorial University Medical Center

P194 PATIENT CENTERED OUTCOMES IN HEAD AND NECK CANCER
Adrian Mendez, MD, David Cote, MD, FRCS, Dan O’Connell, MD, FRCS, Jana Rieger, PhD, Hadi Seikaly, MD, MAL, FRCS; University of Alberta

P195 PRESSURE EQUALIZATION TUBES IN HEAD AND NECK CANCER PATIENTS
Andrew J Ebelahr, MD, Tianshi Liu, BSN, Matthew Bush, MD, Thomas Gal, MD, MPH; University of Kentucky

P196 CENTRAL LYMPH NODE DISSECTION IN THE MANAGEMENT OF INDETERMINATE THYROID LESIONS: RISK VERSUS BENEFIT.
Mohamed Al-Ali1, Blair Williams, Matthew Rigby, Mark Taylor, Jonathan Trites, Martin Bullock, Robert Hart; Dalhousie University

P197 SERUM ALBUMIN AS PREDICTOR OF POSTOPERATIVE COMPLICATIONS IN SQUAMOUS CELL CARCINOMA OF HEAD AND NECK
Mattheus Polly1, Tercio Guimarães, MD2, Ana Carolina Mrozinsk, MD2, Carlos Lehn, PhD, MD2, Jordão Leite, MD2, Clêmério do Nascimento Junior, MD2, Lissia Loddi, MD2; 1Faculdade de Medicina do ABC, 2Instituto de Assistência Médica ao Servidor Público Estadual

P198 PRETREATMENT BODY MASS INDEX PREDICTS CANCER SURVIVAL IN PATIENTS WITH HEAD AND NECK CANCER
Michael Fattouh, Thomas J Ow, MD, Keivan Shifteh, MD, Gregory Rosenblatt, PhD, Michael B Prystowsky, MD, PhD, Nicolas F Schlcht, PhD; Albert Einstein College of Medicine

P199 COMPARATIVE ANALYSIS OF QUALITY OF LIFE FOLLOWING ROBOTIC VERSUS OPEN THYROIDECTOMY
Sharon Tzelnick, MD, MPH, Aviram Mizrahi, MD, Gideon Bachar, Raphael Feinmesser, Naomi Rabinovics; Department of Otolaryngology, Head and Neck Surgery, Rabin Medical Center, Petah Tikva, Israel
**Poster Listing**

P200 DEFINITIVE CHEMORADIOThERAPY FOR ADVANCED HEAD AND NECK CANCER: NECESSITY OF AN ALGORITHM FOR DETERMINING NECESSITY OF PROPHYLACTIC VERSUS REACTIVE GASTROSTOMY TUBE PLACEMENT

Shearwood McClelland III, MD, Anuj Goenka, MD, Sewit Teckie, MD, Janna Z Andrews, MD; Department of Radiation Medicine, Northwell Health, New York, New York

P201 MANOMETRIC EVALUATION OF SWALLOWING FUNCTION FOLLOWING TRANSORAL ROBOTIC SURGERY FOR HEAD AND NECK CANCER

Kazunori Fujiwara, MD, PhD, Katsuyuki Kawamoto, MD, PhD, Kenkichiro Taaira, MD, PhD, Hiromi Takeuchi, MD, PhD; Tottori University

P202 EVALUATING THE PERFORMANCE OF AN AUTOMATED SWALLOW- DETECTION ALGORITHM FOR SWALLOWING REHABILITATION USING VISUAL BIOFEEDBACK

Gabriela Constantinescu, MScSLP, Kristina Kuffel, EIT, Daniel Aalto, PhD, Hadi Seikaly, MD, MA; University of Alberta; Institute for Reconstructive Sciences in Medicine, University of Alberta

P203 MANAGEMENT OF DIFFICULT PEDIATRIC FACIAL BURNS: EXPERIENCE OF NATIONAL CENTER OF BURNS AND PLASTIC SURGERY MOROCCO

Amine Rafik, MD, Samira Taquafi, MD, Mounia Diouri, Pr, Naima Bahcechar, Pr, Abdessamad Chlihi, Pr; National center of burns and plastic surgery, University Hospital Ibn Rochd, Casablanca, Morocco

P204 VOLUME AND LOCATION OF THE DEFECT AS PREDICTORS OF SPEECH AND SWALLOWING OUTCOME AFTER GLOSSECTOMY: A PROPOSAL FOR GLOSSECTOMY DEFECT CLASSIFICATION

Shreya Bhattacharya, Krishnakumar Thanappan, Medical M, Sheeamol Vs, Shawn T Joseph, Sharan Kumar Shetty, Subramani Iyer; Amrita Institute of Medical Sciences, Kochi, India

P205 PREOPERATIVE BIOMARKERS AS PREDICTORS OF SURGICAL COMPLICATIONS AND SURVIVAL IN HEAD AND NECK CANCER

Adam R Seibert, BM, Abby Pace, Whitney Rebholz, MA, Liz Wilson, BSN, RNC, CCRP, OCN, Jeffrey M Bumpous, MD, Elizabeth Cash, PhD; University of Louisville School of Medicine, Department of Otolaryngology-HNS and Communicative Disorders, University of Louisville School of Medicine; James Graham Brown Cancer Center, Department of Psychological & Brain Sciences, James Graham Brown Cancer Center

P206 PARALYZING THE FACE TO MAKE IT MORE NORMAL

Mark D Delacure, MD, FACS; New York University School of Medicine

P207 PREDICTING AND MANAGING ORAL AND DENTAL COMPLICATIONS OF SURGICAL AND NON-SURGICAL TREATMENT FOR HEAD AND NECK CANCER: A CLINICAL GUIDELINE

Lorna K McCaul, Dr, Vinidh Paleri, Christopher Nutting, Peter Nixon, James Cymerman, Craig Barclay, Michael Fenlon, Sam Rollings, Justin Roe, James Owens, Bella Talwar, Audrey Scott, Liam Addy, Cyrus Kerawala, Matthew Locke, James A McCaul; Bradford Teaching Hospitals NHS Foundation Trust, Newcastle Upon Tyne Hospitals NHS Trust, The Royal Marsden NHS Foundation Trust, Leeds Dental Institute, The Royal Free NHS Foundation Trust, University Dental Hospital of Manchester, Guy's & St Thomas' Hospitals NHS Foundation Trust, University of Aberdeen Dental School and Hospital, Morriston Hospital Swansea, University College London Hospitals NHS Foundation Trust, Mount Vernon Cancer Centre, London, Cardiff Dental Hospital, Cardiff University School of Dentistry

P208 EVALUATION OF LUNG FUNCTION IN PATIENTS SUBMITTED TO TOTAL LARYNGECTOMY WITH A STANDARDIZED EXTRA-TRACHEAL DEVICE

Mario A Castro, PhD, Rogério A Deditius, Full Professor, João M Saige, PhD, Claudio R Cernea, Full Professor, Lenine G Brandao, Titular, Professor; Department of Head and Neck Surgery, São Paulo Medical School, University of São Paulo, São Paulo, Brazil, Department of Pneumology, INCOR, University of Sao Paulo Medical School, São Paulo, Brazil

School of Medicine, Department of Psychological and Brain Sciences, University of Louisville, Department of Otolaryngology-HNS and Communicative Disorders, University of Louisville School of Medicine, James Graham Brown Cancer Center, Department of Otolaryngology- HNS and Communicative Disorders, University of Louisville School of Medicine; Department of Psychological & Brain Sciences, James Graham Brown Cancer Center

July 16 - 20, 2016 · www.ahns.info · 207
P209 PATTERNS OF RESPONSE TO A WEB-BASED CROSS SECTIONAL FUNCTIONAL OUTCOMES QUESTIONNAIRE AMONG LONG-TERM OROPHARYNGEAL CANCER SURVIVORS
Jhankruti S Zaveri, MPH, Rachel M Hubbard, BS, Martha P Barrow, MPH, Ryan P Goepfert, MD, G. Brandon Gunn, MD, Ehab Y Hanna, MD, Jan S Lewin, PhD, Katherine A Hutcherson, PhD; The University of Texas MD Anderson Cancer Center

P210 DOES P 16 STATUS INFLUENCE SWALLOWING OUTCOME AFTER DEFINITIVE CHEMORADIATION FOR HAD AND NECK CANCER?
Donna S Lundy, Professor, Mario Landera, Assistant, Professor, Zoukaa Sargi, MD, Chetan Nayak, MD, Amanda Demane, MA, Jason Leibowitz, MD, Kaming Lo, PhD; U. of Miami Miller School of Medicine

P211 INTRAOPERATIVE RECONSTRUCTION OF TRANSECTED RECURRENT LARYNGEAL NERVE DURING THYROID SURGERY
Alessandro Pasculli, MD, Giovanna Di Meo, MD, Angela Gurro, MD, PhD, Rocco Cortese, SP, Maria L Fiorella, MD, PhD, Mario Testini, MD; Unit of Endocrine, Digestive, and Emergency Surgery. Department of Biomedical Sciences and Human Oncology. University Medical School of Bari, Italy, 2Unit of Physical Medicine and Rehabilitation. Department of Neurological and Psychiatric Sciences. University Medical School of Bari, Italy, 3ENT Unit. Department of Ophthalmology and Otorhinolaryngology. University Medical School of Bari, Italy

P212 FUNCTIONAL OUTCOMES POST LARYNGECTOMY: A SIX YEAR RETROSPECTIVE
Nehmat Singh, Dr, Samerah Saeed, Dr, Nara T Orban, Miss, Safina Ali, Miss, Alasdair Mace, Mr, Peter M Clarke, Mr; Charing Cross Hospital, Imperial HCT

P213 THE ROLE OF PERCEIVED SOCIAL SUPPORT AND RESILIENCE ON COMMUNICATIVE PARTICIPATION IN HEAD AND NECK CANCER SURVIVORS
Lauren Faust, BA, Susan Bolt, MSP, Mara Kapsner-Smith, MSP, Cara Sauder, MA, Rebecca Hunting Pompon, PhD, Carolyn Baylor, PhD, Tanya Eadie, PhD; University of Washington

P214 ANATOMIC JUSTIFICATION OF MINIMAL INVASIVE COMBINED TRANSCONJUNCTIVAL -TRANSORAL APPROACH INTREATMENT OF EXTENDED TUMORS OF THE MIDFACE ZONE.
Alexey Dikarev, PhD, Eugenia Kochergina, Vladimir Porhanov, PhD, Ilia Pavlov; Regional Clinical Hospital N 1. Krasnodar

P215 Withdrawn

P216 END-OF-LIFE OF PATIENTS SUFFERING FROM A HEAD AND NECK CANCER: EUTHANASIA, AN ACCEPTABLE SOLUTION? THE EXPERIENCE IN A COUNTRY WHERE EUTHANASIA IS ALLOWED.
Pierre Demez, MD, PhD, Pierre Moreau, MD, Pierre Ransy, MD, Olivier Bouchain, MD, Justine Rahier, MA; Chu Sart-Tilman Liège Belgium

P217 MANAGEMENT OF CUTANEOUSLY EXPOSED CAROTID ARTERY STENTS IN RECURRENT AND UNRESECTABLE HEAD AND NECK CANCER
Thomas O’toole, MD, Christopher A Rayles, Kerstin M Stenson, MD, Thomas J Nielsen, MD, Samer Al-khudari, MD; Rush University Medical Center

P218 EFFICACY OF SWALLOWING REHABILITATION FOR HEAD AND NECK CANCER PATIENTS TREATED BY SURGERY OR CHEMORADIOOTHERAPY
Katsunori Katagiri, Kiyoto Shiga, Daisuke Saito, Kazumi Ono, Hiroaki Saito; Iwate medical University

P219 ASSESSMENT OF QUALITY OF LIFE IN PATIENTS WITH ADVANCED LARYNGEAL MALIGNANCIES UNDERGOING RADICAL SURGERY
Fernanda G Souza, PhD, MS, Izabella C Santos, PhD, MS, Fernando L Dias, PhD, MS, Luiz CThuler, PhD, MS, Anke Bergmann, PhD, MS; Brazilian National Cancer Institute

P220 UTILITY OF THE VIDEOLARINGOSCOPIC SYSTEM KING VISION FOR AN ADEQUATE PLACEMENT OF THE NIM EMG ENDOTRACHEAL TUBE: CASE REPORT
Mariana I. Herrera-guerrero, MD1, Juan Felipe Sanchez-marle, MD, Marco A. Chavez Ramirez, MD, Antonio Gomez-Pedraza, MD; 1INSTITUTO NACIONAL DE CANCEROLOGIA

P221 MANAGEMENT OF CUTANEOUSLY EXPOSED CAROTID ARTERY STENTS IN RECURRENT AND UNRESECTABLE HEAD AND NECK CANCER
Thomas O’toole, MD, Christopher A Rayles, Kerstin M Stenson, MD, Thomas J Nielsen, MD, Samer Al-khudari, MD; Rush University Medical Center
HEALTH SERVICES
RESEARCH
P221 - P242

P221 "WHAT I READ DIDN'T MAKE SENSE": PATIENTS WHO DECIDE TO MONITOR INCIDENTALLY DETECTED THYROID NODULES AND CANCERS
Gregory Hanson, BS, MPH1, Chase Hendrickson, MD2, Louise Davies, MD, MS3; 1Geisel School of Medicine at Dartmouth, 2Dartmouth Institute for Health Policy & Clinical Practice, 3VA Outcomes Group, White River Junction, VT

P222 NECK HEMATOMA AFTER MAJOR HEAD AND NECK SURGERY: RISK FACTORS AND RESOURCE UTILIZATION
Erin K Greenleaf, MD, MS, Melissa M Boltz, MD, MBA, Shivani Shah-Becker, MD, Christopher S Hollenbeak, PhD, Neerav Goyal, MD, MPH; Penn State Hershey Medical Center

P223 RECRUITING PATIENTS TO TRIALS IN HEAD AND NECK CANCER: A QUALITATIVE EVALUATION OF THE TUBE MULTICENTRE RANDOMISED CONTROLLED FEASIBILITY TRIAL
Nikki Rousseau, PhD, Tim Rapley, PhD, Jo Patterson, PhD, MRCSLT, Ben Heaven, PhD, David Hamilton, PhD, MRCS, Vinidh Paleri, MS, FRCS, On Behalf Of the TUBE trial team; Newcastle University

P224 HIGH FREQUENCY OF THYROID CANCER IN R337H MUTATION POSITIVE PATIENTS: A CASE FOR GENETIC TESTING?
Kelvin C Andrade, Msc1, Karina M Santiago1, Maria Nirvana da Cruz Formiga2, Fernanda P Fortes1, Luiz P Kowalski1, Maria Isabel Alves de Souza Waddington Ahatz2; 1International Research Center, A.C. Camargo Cancer Center, São Paulo, SP 01508-010, Brazil, 2Department of Oncogenetics, A.C. Camargo Cancer Center, São Paulo, SP 01509-900, Brazil

P225 INDIVIDUALIZED RISK PREDICTION OF SURVIVAL IN PATIENTS WITH ORAL CAVITY CARCINOMA USING ONLINE CALCULATORS
Andrew G Shuman, MD, Victoria Prince, Emily Bellile, Yilun Sun, Gregory T Wolf, MD, Jeremy MG Taylor, University of Michigan Head & Neck SPORE Program; University of Michigan

P226 DEVELOPMENT AND VALIDATION OF A CLINICAL RISK SCORE FOR PREDICTING VENTILATION AFTER HEAD & NECK CANCER SURGERY (VANCOS)
Brittany Barber, MD, Cameron Shillington, MD, Shannon Rychlik, RN, Michael Meier, MD, FRCSC, Khalid Ansari, MD, Med, FRCSC, Vincent Biron, MD, PhD, FRCSC, Daniel O’Connell, MD, MSc, FRCSC, Hadi Seikaly, MD, MAL, FRCSC, Jeffrey Harris, MD, MHA, FRCSC; University of Alberta

P227 CLINICAL ANALYSIS OF HEAD AND NECK CANCERS IN ELDERLY PATIENTS
Kazuhiro Minami, MD, Shunsuke Takamatsu, MD, Masasugi Sugasawa, MD, Mitsuhiko Nakahira, MD, Yasuhiro Ebihara, MD, Yasunao Kogashia, MD; Department of Head and Neck Surgery, Saitama Medical University International Medical Center

P228 IMPROVING THE TIMELINESS OF HEAD AND NECK CANCER CARE
Carol M Lewis, MD, MPH, Zhannat Nurgalieva, PhD, Ehab Y Hanna, MD, David I Rosenthal, MD, Randal S Weber, MD; University of Texas MD Anderson Cancer Center

P229 DETERMINANTS OF COST IN HEAD AND NECK CANCER TREATMENT: IMPLICATIONS FOR A BUNDLED PAYMENT MODEL
Shlomo A Koyfman, MD, Matthew C Ward, MD, Craig Savage, MBA, Kimberly Bell, RN, MBA, Narcissa Houston, BA, Brian B Burkey, MD, MEd, David J Adelstein, MD, John H Suh, MD, Scott Platz, MBA, Robert Lorenz, MD, MBA; Cleveland Clinic

P230 A NEW PARADIGM: TEAM-BASED APPROACH TO HEAD & NECK CANCER CARE
Mihir R Patel, MD, Mark W El-Deiry, MD, Jeffery T Wadsworth, MD, Amy Y Chen, MD; Emory University

P231 EXPERIENCE WITH AMBULATORY SALIVARY GLAND SURGERY IN COLOMBIA.
Alvaro Sanabria, MD, MSc, PhD; Department of Surgery. Universidad de Antioquia-Hospital Pablo Tobon Uribe

P232 IS NECK DISSECTION ASSOCIATED WITH AN INCREASED RISK OF PERIOPERATIVE STROKE?
John D Cramer, MD, PhD, Urjeet A Patel, MD, Sandeep Samant, MD, Stephanie S Smith, MD, MS; ‘Northwestern University Feinberg School of Medicine, 2John H. Stroger, Jr. Hospital of Cook County
Poster Listing

**P233 SOCIOECONOMIC RISK FACTORS FOR HEAD AND NECK SQUAMOUS CELL CARCINOMA IN SINGAPORE**
Ting Hway Wong¹, Thakshayeni Skanthakumar², Van Hai Nguyen³, N Gopalakrishna Iyer³; Singapore General Hospital, *National Cancer Centre Singapore, ²Duke-NUS Medical School*

**P234 OLDEST-OLD HEAD AND NECK ONCOLOGY PATIENTS**
Doron Sagiv, MD, Sahar Nadel, DMD, Jobran Mansour, MD, Lev Bedrin, MD, Alex Dobriyan, DMD, Ran Yahalom, DMD, Yoav P Talmi, MD, FACS, Eran Alon, MD; Chaim Sheba Medical Center, Israel

**P235 COMPARISON OF FREE FLAP OUTCOMES AT A UNIVERSITY HOSPITAL VERSUS COUNTY HOSPITAL SETTING**
Mark S Swanson¹, Michael H Tan², Sheng Zhou³, Yanchen Zhang⁴, Tamara N Brown, MD¹, Uttam K Sinha, MD², Neils Kokot, MD²; ¹Department of Otolaryngology - Head and Neck Surgery, University of Southern California, ²Keck School of Medicine of University of Southern California

**P236 OUTPATIENT THYROIDECTOMY: A PROPENSITY SCORE ANALYSIS OF TWO INTERRUPTED SERIES.**
Adonis Ramirez, MD¹, Alvaro Sanabria, PhD²; ¹University Hospital of Neiva, ²Universidad de Antioquia. Fundaron Colombiana de Cancer

**P237 THE HIDDEN HEALTH TOLL OF RACIAL, INSURANCE, AND GEOGRAPHIC DISPARITIES IN HEAD AND NECK SQUAMOUS CANCER OUTCOMES**
Dominique J Monlezun, MPH¹, Daniah Bu Ali¹, Zaid Al-Qurayshi¹, Roostam Khomlatov¹, Daniag Bu Ali¹, Sudesh Srivastav¹, Emad Kandi¹; Tulane University School of Medicine, ¹Tulane University School of Public Health and Tropical Medicine

**P238 3RD HEAD AND NECK PATHOLOGY SCREENING CAMPAIGN**
Igor Reshetov, MD¹, Valeriy Starinskiy, MD², Marina Kazantseva, MD², Oleg Kit, MD², Marina Yugibarian³, Victoria Dvorinichenko, MD³, Victoria Shcherbina³; ¹I.M.Shechen First Moscow State Medical University, Moscow, Russia, ²PA Hertzen Moscow Cancer Research center, Moscow, Russia., ³Clinical Oncological Dispensary #1 Ministry of Health of Krasnodar Region, Krasnodar, Russia, ²Rostov Cancer Research Center, Rostov, Russia, ³Yakutsk State Oncological Dispensary,Yakutsk, Russia, ⁴Institute of Advanced Studies FMBA Russia, Moscow, Russia.

**P239 MEDICAID DISCOUNT RATE AS COMPARE TO MEDICARE FOR HEAD AND NECK SURGERIES: NATIONAL PERSPECTIVE**
Zaid Al-Qurayshi¹, Roostam Khomlatov¹, Daniag Bu Ali¹, Sudesh Srivastav¹, Emad Kandi¹; Tulane University School of Medicine, ¹Tulane University School of Public Health and Tropical Medicine

**P240 THE IMPACT OF IMPLEMENTING A SPEECH AND SWALLOWING REHABILITATION PROGRAM ON PHYSICIAN FOCUS ON FUNCTIONAL OUTCOMES.**
Heather M Starker, MA, CCCSLP, BCSS¹, Noel Ayoub, BS², Jennifer Kizner, MED, CCCSLP, BCSS², Quynh Li, MD³, Wendy Hara, MD³, Floyd C Holsinger, MD³; ¹Stanford University, ²Stanford Cancer Center

**P242 MAXIMISING RECRUITMENT TO HEAD AND NECK CANCERTRIALS: LESSONS LEARNED AT BRADFORD.**
Andrew Pick, Mr, Janet Johnson, Sister, Michael Ho, Mr; Bradford Teaching Hospitals NHS Foundation Trust

**HYPOPHARYNX / LARYNX**

**P243 - P306**

**P243 SALVAGE TOTAL LARYNGECTOMY OUTCOME: EXPERIENCE OF A TERTIARY CARE CANCER CENTRE.**
Devendra Chaukar, MS, DNB, MBBS, Shilpi Sharma, MS, DNB, MBBS, Harsh Dhar, MS, Anil K D'Cruz, FRCS, MS, DNB; Tata Memorial Hospital, India

**P244 TO SET THE APPROPRIATE EXTENT OF RESECTION FOR OPEN LARYNGO-PHARYNGEAL SURGERY**
Kazuto Matsuura, MD, PhD¹, Yukinori Asada, MD, PhD¹, Takayuki Imai, MD, PhD¹, Shinkichi Morita, MD¹, Yasutoshi Koshiba, MD¹, Shun Wakamori, MD¹, Tetsuya Noguchi, MD, PhD², Takahiro Goto, MD, PhD², Koreyuki Kurosawa, MD², Shigeru Saijo, MD, PhD²; ¹Division of Head and Neck Surgery, Miyagi Cancer Center, ²Division of Gastroenterology, Miyagi Cancer Center, ³Division of Plastic and Reconstructive Surgery, Miyagi Cancer Center

**P245 SUPRACRICOID PARTIAL LARYNGECTOMY FOR RADIORECURRENT LARYNGEAL CANCER: A SYSTEMATIC REVIEW OF THE LITERATURE.**
Armando De Virgilio, Raul Pellini, Giuseppe Mercante, Giovanni Cristalli, Giuseppe Spriano; National Cancer Institute ‘Regina Elena’ di Rome
Poster Listing

P246 OUTCOMES OF JEJUNUM FREE FLAP FOR PHARYNGO-ESOPHAGEAL RECONSTRUCTION ACCORDING TO THE PREVIOUS RADIATION HISTORY IN THE NECK
Seong Jun Won, MD, Boyoung Kim, MD, Jungkyu Cho, Young-Ik Son, MD, PhD; Department of ORL-HNS, Samsung Medical Center, Seoul, Korea

P247 RECURRENCE PATTERNS IN LOCALLY ADVANCED LARYNGEAL AND HYPOPHARYNGEAL CANCERS FOLLOWING SURGERY IN A TERTIARY CANCER CENTER IN INDIA
Ameya A Asarkar, Pankaj Chaturvedi, Devendra Chaukar, Gouri Pantvaidya, Anuja D Deshmukh, Deepa Nair, Sardar Khokhar, J P Agarwal, Tejpal Gupta, Ashwini Budruk, Venkat Murthy, Anil S Dorch, Prathamesh S Pai; Tata Memorial Hospital

P248 TRENDS IN TREATMENT, INCIDENCE AND SURVIVAL OF ADVANCED HYPOPHARYNX CANCER: A 20-YEAR POPULATION BASED STUDY IN THE NETHERLANDS
J.F. Petersen, MD1, A.J. Timmermans, MD, PhD2, B.a.c. Van Dijk, PhD3, L.ii.h. Overbeek, PhD4, F.J.m. Hilgers, MD, PhD5, M.m. Stuiver, PdH6, M.w.m. van den Brekel, MD, PhD7, 8 'Department of Head and Neck Oncology and Surgery, The Netherlands Cancer Institute, Amsterdam, The Netherlands, ‘Comprehensive Cancer Organisation The Netherlands (IKNL), Department of Research, Utrecht, The Netherlands, ‘PALGA [the Dutch Nationwide network and registry of histopathology and cytopathology], Houten, The Netherlands, ‘Department of Clinical Epidemiology Biostatistics and Bioinformatics, Academic Medical Center, Amsterdam, The Netherlands

P249 PREVALENCE OF HUMAN PAPILLOMAVIRUS INFECTION AND ITS INCREASING RATES IN SAME TERTIARY HOSPITAL IN TURKISH PATIENTS WITH SQUAMOUS CELL CARCINOMA OF THE LARYNX.
Buıente E Erku, MD1, Ismail Yılmaz, MD2, Atıla Gungor, MD2, Sıla Babayigit, MD3, ‘Medical University of South Carolina, Charleston, South Carolina, ‘Gulhane Military Medical Academy Haydarpasa Training Hospital Istanbul, Turkey, ‘Gulhane Military Medical Academy, Ankara, Turkey

P250 IMPACT OF CLOSE/POSITIVE MARGINS AFTER TRANSORAL LASER MICROTECATION IN EARLY GLOTTIC CARCINOMA.
Ivana Fiz, MD1, Francesco Mazzola, MD1, Francesco Fiz, MD2, Diego Barbieri, MD3, Nausica Montaldo, MD4, Francesca Del Bon, MD5, Cesare Piazza, Prof6, Giorgio Peretti, Prof7; ‘Department of Otorhinolaryngology Head and Neck Surgery, University of Genoa, Italy, ‘Nuclear Medicine Unit, Department of Health Sciences, University of Genoa, Italy, ‘Department of Otorhinolaryngology Head and Neck Surgery, University of Brescia, Italy

P252 FACTORS ASSOCIATED WITH MAJOR COMPLICATIONS FOLLOWING TOTAL LARYNGECTOMY WITHOUT FREE FLAP: A REVIEW OF THE AMERICAN COLLEGE OF SURGEONS NATIONAL QUALITY IMPROVEMENT PROGRAM.
Samuel N Heiman, MD1, Brant A Jason, MD2, Steven B Cannady, MD3, Jason G Newman, MD4, Chai Raymond, MD5; ‘New York Eye and Ear Infirmary of Mount Sinai, ‘Department of Otolaryngology -Head and Neck Surgery, Hospital of the University of Pennsylvania, ‘Department of Otolaryngology, Icahn School of Medicine at Mount Sinai

P253 SURVIVAL OUTCOMES IN PATIENTS WITH T2N0M0 (STAGE II) SQUAMOUS CELL CARCINOMA OF THE LARYNX
Danielle L Gainor, MD, Yael Shinar, Emily Bellile, Matthew E Specter, MD, Jeremy M Taylor, Gregory T Wolf, MD, Norman D Hogikyan, MD, Douglas B Chepeha, MD, Mark E Prince, MD, Carol R Bradford, MD, Arrvaham Eisbruch, MD, Francis Worden, MD, Andrew G Shuman, MD, University of Michigan Head and Neck Cancer SPORE Investigators; University of Michigan

P254 SURGICAL STRATEGIES IN CERVICAL ESOPHAGEAL CANCER WITH EMPHASIS ON LARYNX PRESERVATION
Koichiro Yonezawa, MD, PhD, Shigemichi Iwae, MD, PhD, Yuji Hirayama, MD, Hideotshi Matsui, MD, Jun Shigeji, MD; Hyogo Cancer Center

P255 TREATMENT OF SUBSAGITTAL STENOSIS: AN ASSOCIATION OF STAPHYLOCOCCUS AUREUS WITH GRANULOMATOSIS WITH POLYANGIITIS (WEGENER’S).
Jonathan W Fowlkes, MD, Nitin A Pagedar, MD, Henry T Hoffman, MD; University of Iowa Hospitals and Clinics

P256 COMPARISON BETWEEN THE INTRAOPERATIVE FROZEN BIOPSY AND FINAL DIAGNOSIS FOR PRECANCEROUS LESIONS OF THE VOCAL CORDS.
Young-Ju Jin, MD1, Won Wook Lee1, Woojin Jeong1, Kwang Hyun Kim2, Soon-Hyun Ahn1; ‘Department of Otorhinolaryngology - Head & Neck Surgery, Seoul National University Bundang Hospital, Seoul

July 16 - 20, 2016 · www.ahns.info 211
P257 CISPLATIN AND PACLITAXEL HAVE POSITIVE EFFECT ON HOTAIR AND MALAT1 IN LARYNGEAL CANCER
Hui Chen, MD, PhD, Liang Zhou, Jia-meng Huang, Lei Cheng; Affiliated Eye and ENT Hospital of Fudan University, Shanghai, China

P258 CLINICAL PREDICTORS OF SURVIVAL AFTER SALVAGE LARYNGECTOMY
Andrew C Birkeland, MD, Andrew J Rosko, MD, Emily L Bellile, MPH, Mohammad R Issa, Rebecca C Hoesli, MD, Andrew G Shuman, MD, Mark E Prince, MD, Gregory T Wolf, MD, Carol R Bradford, MD, Jonathan B McHugh, MD, J Chad Brenner, PhD, Matthew E Spector, MD; University of Michigan

P259 TREATMENT SELECTION IN HYPOPHARYNX CANCER: AN ANALYSIS OF THE NATIONAL CANCER DATABASE
Alexandra Kyrillos, Chi-Hsiung Wang, PhD, Nicholas Campbell, MD, Mihir Bhayani, MD; NorthShore University HealthSystem

P260 PERIOPERATIVE FACTORS PREDISPOSING TO PHARYNGOCUTANEOUS FISTULA AFTER TOTAL LARYNGECTOMY: ANALYSIS OF A LARGE, MULTI-INSTITUTIONAL PATIENT COHORT.
Nicole L Lebo, MD, BEng1, Hussain Alsaffar, MBBS, FRCS(C), Martin Corsten, MD, FRCS(C), Stephanie Johnson-Obaseki, MD, FRCS(C); ‘Department of Otolaryngology - Head and Neck Surgery, University of Ottawa, Ottawa, Canada, 2Aurora St. Luke’s Hospital, Milwaukee, WI

P261 PRIMARY SARCOMAS OF THE LARYNX. IN MEXICAN POPULATION
Kuauhyama Luna-Ortiz, MD1, Veronica Villavicencio-Valencia, MD1, Antonio Delgado-Vazquez, MD2, Leonardo S Lino-Silva, MD1, Rosa A Salcedo-Hernandez, MD1; ‘Instituto Nacional de Cancerologia, 2Centro Medico de Occidente IMSS

P262 OUTCOMES OF TRANSONAL SUPRAGLOTTIC LARYNGECTOMY: A COMPARISON OF TRANSONAL LASER MICROSURGERY AND TRANSONAL ROBOTIC SURGERY
Jamie M Segel, MD1, Greer Albergotti, MD1, James K Byrd, MD1; ‘Georgia Regents University, 2University of Pittsburgh

P263 DO ELECTIVE NECK DISSECTIONS ALTER SALVAGE LARYNGECTOMY OUTCOMES IN THE CLINICAL AND RADIOLOGICAL NO NECK? A 10-YEAR RETROSPECTIVE SURVIVAL ANALYSIS.
Natasha Cohen, MD, MSc, David Choi, MD, Michael Gupta, MD, MSc, FRCS(C); McMaster University

P265 LONG-TERM RESULTS OF TRANSONAL ENDOSCOPIC LARYNGOPHARYNGEAL SURGERY FOR SUPERFICIAL PHARYNGEAL CANCER
Akihito Watanabe, MD1, Masanobu Taniguchi, MD1, Yuki Kimura, MD1, Shigeyuki Sasaki, MD1; ‘Keiyukai Sapporo Hospital, 2Health Sciences University of Hokkaido

P266 Withdrawn

P267 PROGNOSIS OF ADVANCED HYPOPHARYNGEAL CARCINOMA WITH RADIOGRAPHIC AND PATHOLOGICAL METASTASIS IN THE LATERAL RETROPHERYNGEAL NODE -A COMPARISON WITH AND WITHOUT EXTRACAPSULAR SPREAD-
Munenaga Nakamizo, MD1, Kazuhiko Yokoshima, MD1, Shunta Inai, MD1, Atsuko Sakunashi, MD1, Taisei Kato, MD1, Kimihiro Ohkubo, MD1, Ryuji Ohashi, MD1; ‘Department of Otolaryngology, Head & Neck Surgery, Nippon Medical School, 2Department of Pathology, Nippon Medical School

P268 PROGNOSTIC SIGNIFICANCE OF LYMPH NODE DENSITY IN PATIENTS WITH HYPOPHARYNGEAL SQUAMOUS CELL CARCINOMA
Yeon-Min Jeong, Young-Hoon Joo, Kwang-Jae Cho, Min-Sik Kim; The Catholic University of Korea

P269 ANALYSIS OF HISTOPATHOLOGIC IMPLICATION IN CONSERVATION SURGERY OF HYPOPHARYNGEAL CANCER
Sang Yeon Kim, Kwang Jae Cho, Young Hoon Joo, Yong Sug Choi, Min Sik Kim; Department of Otolaryngology-Head and Neck Surgery, College of Medicine, The Catholic University of Korea

P270 TRANSONAL SURGERY OUTCOMES IN THE SOUTHEASTERN UNITED STATES
Joshua Harford, Grace Austin, Trevor Hackman; University of North Carolina

P271 T3 GLOTTIC SQUAMOUS CELL CARCINOMA: COMPARING SURGICAL AND NON-SURGICAL TREATMENT MODALITIES USING SEER-MEDICARE DATABASE.
Maha Al-Gilani, S. Andrew Skillington, Dorina Kallogjeri, MD, MPH, Bruce
Poster Listing

Haughey, Jay F Piccirillo; Washington University School of Medicine

P272 RADIATION CHANGES IN LARYNGECTOMY MUCOSAL MARGINS AND THE ASSOCIATION WITH POST-OPERATIVE PHARYNGOCUTANEOUS FISTULA
Marianne Abouyared, MD, Darcy A Kerr, MD, Zoukaa Sargi, MD, MPH, Chetan Nayak, MD, Jamal Ahmed, MD, Jason Leibowitz, MD; University of Miami Miller School of Medicine

P273 RISK FACTOR FOR LOCAL RECURRENCE IN EARLY GLOTTIS CANCER: LONG-TERM RESULT
Yong Sug Choi, Kwang Jae Cho, Young Hoon Joo, In Chul Nam, Min Sik Kim; Department of Otolaryngology-Head and Neck Surgery, College of Medicine, The Catholic University of Korea

P274 MANAGED CARE INSURANCE IS ASSOCIATED WITH OVERALL IMPROVED SURVIVAL IN LARYNGEAL CANCER PATIENTS.
Anna S Wertz, MD, Steven Chang, MD; Henry Ford Hospital

P276 VOCAL CORD GRANULOMA AFTER TRANSORAL LASER MICROSURGERY FOR EARLY GLOTTIC CARCINOMA
Jeong Kyu Kim, Ho Jin Son; Catholic University of Daegu

P277 LONG-TERM OUTCOME OF LARYNGEAL FRAMEWORK RECONSTRUCTION USING TITANIUM MESH IN GLOTTIC CANCER AFTER FRONTOLATERAL VERTICAL PARTIAL LARYNGECTOMY
Xuekui Liu; Sun Yat-sen University Cancer Center

P278 OPEN PARTIAL LARYNGEAL SURGERY - THE BIRMINGHAM EXPERIENCE
Paul Nankivell, BA, BMBCh, PhD, FRCS*, Katrina Emery*, Neil Sharma, MBChB, PhD, FRCS(ORL-HNS)*, Paul Pracy, BSc, MBBS, FRCS*; University of Birmingham, *University Hospital Birmingham

P279 ELEVATED TSH IN THE POST-OPERATIVE PERIOD PREDICTS FISTULA REQUIRING REOPERATION AFTER SALVAGE LARYNGECTOMY
Andrew J Rosko, MD, Andrew C Birkeland, MD, Ashley Miller, BS, Chaz L Stucken, MD, Andrew G Shuman, MD, Chad Brenner, PhD, Gregory T Wolf, MD, Carol R Bradford, MD, Matthew E Spector, MD; University of Michigan

P280 CDSS BASED ON MEBNS - WITH AN EXAMPLE OF THERAPY DECISION MAKING FOR LARYNGEAL CANCER.
Mario A Cvipko1, Mattheaus Stoehr2, Dietz Andreas2, Heinz U Lemke2; 1Innovation Center Computer Assisted Surgery, University of Leipzig, Germany, 2Dept. of Otolaryngology, Head and Neck Surgery, University of Leipzig, Germany

P281 IS THE USE OF MONTGOMERY PHARYNGEAL TUBE USEFUL IN THE TREATMENT OF PHARYNGOCUTANEOUS FISTULAE?
Genival B de Carvalho, MD, Isabela Berg P Martins, Fernando C dos Santos Filho, Adriano G Pesosof, Luiz P Kowalski, PhD; A C Camargo Cancer Center

P282 EARLY VOCAL FOLD CANCER TREATMENT OPINION BY MEDICAL SPECIALTY
Abie H Mendelsohn, MD, Jason Nguyen, Gerald S Berke, MD; UCLA Department of Head and Neck Surgery

P283 NEAR-TOTAL LARYNGECTOMY IN ADVANCED LARYNGEAL SCC
Roberto A Lima, PhD, Emilson Q Freitas, Izabela C Santos, Ullyanov T Mendonça, Maria Cristina Geraldo, José Roberto Soares, Jacob Kligerman; Brazilian National Cancer Institute

P284 POSTLARYNGECTOMY PHARYNGOCUTANEOUS FISTULA: INCIDENCE, RISK FACTORS AND MANAGEMENT.
Ahmed Yousef, MSC; kasr Alaini hospital Egypt

P285 ANALYSIS OF CLINICAL FEATURES WITH RECURRED T1 EARLY GLOTTIC CANCER
GilJoon Lee, MD, Young-Ik Son, MD, PhD, Bo Young Kim, MD, Seoung Jun Won, MD; Samsung medical center

P286 HYPOPHARYNGEAL CANCER TREATMENTS IN THE ELDERLY
Masashi Sugasawa, PhD, Mituhiro Nakahira, PhD, Yasuhiro Ebihara, MD, Yasuano Kogashiwa, PhD, Kazuhiko Minami, MD, Kiyomi Kuba, MD, Satoko Matumura, MD, Susumu Oba, MD, Hitoshi Inoue, MD; Saitama Medical University

P287 CHONDROSARCOMA OF THE THYROID CARTILAGE: AN INTERESTING CASE
Thejas Hiremath, Marsha Reuther, MD, Jamie Segel, Gregory Postma, MD, James K Byrd, MD; Medical College of Georgia at Augusta University
<table>
<thead>
<tr>
<th>Poster Listing</th>
</tr>
</thead>
</table>
| **P288** PROGNOSTIC IMPACT OF PERINEURAL INVASION IN HYPOPHARYNGEAL SQUAMOUS CELL CARCINOMA  
Choung soo Kim, MD, Young Hoon Joo, MD, Kwang Jae Cho, MD, Youn Soo Lee, MD, Sang Yeon Kim, MD; 'Department of Otolaryngology-Head and Neck Surgery, College of Medicine, The Catholic University of Korea, Seoul, Republic of Korea, ‘Department of Hospital Pathology, College of Medicine, The Catholic University of Korea, Seoul, Korea |
| **P289** TRANSPERORAL CO2 LASER TREATMENT FOR EARLY GLOTTIC SQUAMOUS CELL CARCINOMA WITH ANTERIOR COMMISSURE INVOLVEMENT  
Shuangba He, Qingxiang Zhang, Zhenkun Yu; Nanjing Tongren Hospital, School of Medicine, Southeast University, |
| **P290** DETECTION OF PEPSIN IN LARYNGEAL SQUAMOUS CELL CARCINOMA SPECIMENS  
Hamdi Tasli1, Hakan Birkent1, Burcu Esler2, Burak Asik3, Yildirim Karslioglu4, Mustafa Gerek1; 1Gulhane Military Medical School, Department of Otolaryngology, Head and Neck Surgery, Ankara, Turkey, 2Gulhane Military Medical School, FAVOR-Chromatography Lab Institute of Health Sciences R&D Center, Ankara, Turkey, 3Sirnak Military Hospital, Turkey, 4Gulhane Military Medical School, Department of Pathology, Ankara, Turkey |
| **P291** DYSPHAGIA AFTER CHEMORADIOTHERAPY IN ELDERLY PATIENTS WITH ADVANCED HYPOPHARYNGEAL CANCER  
Hidetoshi Matsui, MD, Shigemichi Iwae, MD, PhD, Yuji Hirayama, MD, Koichiro Yonezawa, MD, PhD, Jun Shigeji, MD; Hyogo Cancer Center |
| **P292** HOW TO MAKE A PERMANENT TRACHEOSTOMA TO PREVENT POSTOPERATIVE COMPLICATIONS  
Seiichi Yoshimoto, MD, Fumihiko Matsumoto, MD, Kenya Kobayashi, MD, Daisuke Maki, MD, Masanori Teshima, MD, Masahiko Fukazawa, MD; National Cancer Center Hospital |
| **P293** SALIVARY FISTULA: METHYLENE BLUE DYE TESTING AS PART OF AN ALGORITHM FOR EARLY DIAGNOSIS  
Kimberley L Kiong, MBBS, MMed, Ngian Chye Tan, MBBS, MMed, FRCSEd, Thakshayeni Skanthakumar, BSc, Constance Teo, MBBS, MMed, FAMS, Kee Chee Soo, MBBS, MD, FRACS, FACS, FAMS, Hiang Khoon Tan, MBBS, FRCSed, PhD, Gopalakrishna N Iyer, MD, PhD, FRCS; 'Singhealth, 'National Cancer Centre Singapore |
| **P294** LONG-TERM ONCOLOGICAL OUTCOME OF INNOVATIVE SURGERY: LARYNGEAL FRAMEWORK RECONSTRUCTION USING TITANIUM MESH IN GLOTTIC CANCER AFTER FRONTOLATERAL VERTICAL PARTIAL LARYNGECTOMY  
Lie-qieng Liao, Wei-wei Liu, Hao Li, Qiu-li Li, Hong-hong Yan, An-kui Yang, Quan Zhang, Zhu-min Guo, Xue-kui Lu; Sun Yat-sen University Cancer Center |
| **P295** CREATING AN ANTERIOR PHARYNGEAL WALL PROSTHESIS FOR CHRONIC PHARYNGOCUTANEOUS FISTULAS USING 3D PRINTING TECHNOLOGY  
Siti Radhziah1, Xinyong Huang2, Ngian Chye Tan1; 'Singapore general hospital, 'Changi General hospital, 'National cancer centre |
| **P296** USE OF THE ENSEAL DEVICE FOR MANAGEMENT OF PHARYNGEAL POUCHES  
Lisa Pitkin, MD, Vanessa Chow, MD, Sachin Patil, MD; Royal Surrey County Hospital |
| **P297** THE INCIDENCE OF THYROID CARTILAGE INVASION IN EARLY STAGE LARYNGEAL CARCINOMA  
Murat Yener, MD, Assc, Prof, Mehmet Yilmaz, Caner Inan, Aysegul Batioglu Karaaltin, Fatih Turgut, Emine Deniz Gizen, MD, Emin Karaman, MD, Assc, Prof; istanbul university cerrahpasa school of medicine otorhinolaryngology department |
| **P298** STERNOCLEIDOMASTOID ROTATIONAL FLAP FOR THE AUGMENTATION OF THE SUTURE LINE OF THE NEO-PHARYNX AFTERTOTAL LARYNGECTOMY.  
Sherif Gabr, Prof, Dr, Basim Wahba, Dr, Ahmed El Batawi, Dr, Ahmad Eliteley; Kasr Al Aini hospital, Faculty of medicine, Cairo university |
| **P299** MANAGEMENT OF TROUBLESOME PERSISTANT SVR VALVE INDUCED TRACHEO-ESOPHAGEAL FISTULAS IN MEDICALLY UNFIT PATIENTS.  
Lisa Pitkin, MD, Sachin Patil, MD, Vanessa Chow, MD; Royal Surrey County Hospital |
| **P300** Withdrawn |
| **P301** MINIMALLY INVASIVE COVERED STENT PLACEMENT AS AN ALTERNATIVE TO SURGERY TO AID IN MUCOCUTANEOUS FISTULA CLOSURE AFTER SALVAGE LARYNGECTOMY  
D Clayton, M Bartel, J Casler, T Woodward, G Young; Mayo Clinic Florida |
| **P302** THE USE OF A SURGICAL LASER IN THE TREATMENT OF LARYNGEAL TUMORS  
A.s. Zhuravlyov, A.a. Karchinskiy, PhD, student, Ye.V. Dyomina; Kharkiv National Medical University |
<table>
<thead>
<tr>
<th>Poster Listing</th>
</tr>
</thead>
</table>
| **P303** GLOTTIC SCC T1 AND T2 TREATMENT LASER VS RADIOTHERAPY: A MEXICAN CANCER CENTER EXPERIENCE  
Kuauhyama Luna-Ortiz, MD, Veronica Villavicencio-Valencia, MD, Antonio Gomez-Pedraza, MD, Martin Granados-Garcia, MD, Jose F Carrillo, MD; Instituto Nacional de Cancerologia |
| **P304** THE SUCCESSFUL PERFORMANCE OF REPETITIVE TRANSORAL PARTIAL HYPOPHYSGPTECTOMY OPERATIONS COMBINED WITH CHEMOTHERAPY FOR LOCAL METACHRONOUS RECURRENT FOLLOWING CHEMORADIOTHERAPY FOR ADVANCED HYPOPHYSGPTEGAL CANCER: A CASE REPORT.  
Ryuhei Okada¹, Taro Sugimoto¹, Takuro Sumi¹, Taro Fujikawa¹, Yusuke Kiyokawa¹, Fuminori Nomura¹, Akihisa Tasaki¹, Tomoaki Asamori¹, Yutaro Koyama¹, Seiji Kishimoto¹, Takahiro Asakage¹; Department of Head and Neck Surgery, Tokyo Medical and Dental University, Department of Otolaryngology, Tokyo Medical and Dental University, Department of Head and Neck Surgery, Kameda Medical Center |
| **P305** SARCOMATOID CARCINOMA OF LARYNX - CASE REPORT AND REVIEW  
Alex F Porsani, MD, Marina M Silva, Miguel J Pitta; Santa Casa de Araraquara |
| **P306** FEASIBILITY OF CAROTID SPARING WITH A SIMPLE NON-IMRT TECHNIQUE - DOSIMETRIC COMPARISON  
S Ramkumar, Dr; University Hospital Southampton NHS Foundation Trust |
| **NASOPHARYNX/ PARANASAL SINUS/ SKULL BASE**  
P307 - P376 |
| **P307** SURGICAL UTILITY OF INTERNALLY PRODUCED THREE-DIMENSIONAL PRINTING FOR COMPLEX HEAD AND NECK RECONSTRUCTION  
Mara C Modest, MD, Jonathan M Morris, MD, Kathryn M Van Abel, MD, Jane M Matsumoto, MD, Eric J Moore, MD; The Mayo Clinic, Rochester |
| **P308** MAGNETIC RESONANCE IMAGING- GUIDED HIGH-INTENSITY FOCUSED ULTRASOUND AS A PROMISING NON-INVASIVE INTERVENTION FOR THE TREATMENT OF HEAD AND NECK TUMORS  
Salem I Nourelidine, MD¹, Nicholas Ellens, PhD¹, Ari Partanen, PhD¹, Clif Burdette, PhD², Keyvan Farahani, PhD², Jonathan O Russell, MD¹, Ralph P Tufano, MD, MBA¹; Johns Hopkins University School of Medicine, Acoustic MedSystems Inc., National Institute of Health |
| **P309** PARAPHARYNGEAL SPACE TUMORS: A NEW DIAGNOSTIC ALGORITHM FOR THE MANAGEMENT OF BENIGN TUMORS BY TRANSCERVICAL APPROACH.  
Adrian Ortega, Ruben Padin, Andres Limardo, Laura Garcia, Emilio Soza Segovia; Hospital Posadas, Argentina |
| **P310** ULTRASOUND MEASUREMENT OF TRACHEOESOPHAGEAL THICKNESS TO GUIDE ACCURACY OF VOICE PROSTHESIS SIZING  
Merry E Sebelik, MD, FACS¹, Courtney B Shires, MD¹, Julia Jones, MA², Vikrum Thimmappa, MD¹, Aaron Smith, MD; University of Tennessee Health Science Center, VAMC-Memphis |
| **P311** A PROSPECTIVE ANALYSIS OF THE ABILITY OF SURGEON-PERFORMED ULTRASOUND TO PREDICT THE IMPACT OF SIALENDOSCOPY-ASSISTED SALIVARY DUCT SURGERY ON CHRONIC OBSTRUCTIVE SIALADENITIS  
Andrew R Larson, MD¹, Annick Aubin-Pouliot, MD¹, Elise Delagnes, MA², Jolie Chang, MD, William Ryan, MD; UCSF Dept. of Otolaryngology-Head and Neck Surgery, UCSF School of Medicine |
| **P312** NANOPARTICLE-BASED SORTING OF CIRCULATING TUMOR CELLS BY EPITHELIAL ANTIGEN EXPRESSION DURING DISEASE PROGRESSION IN AN ANIMAL MODEL  
Nidal Mu Hanna, MD, PhD¹, Adam Mepham², Reza M. Mohamadi, PhD³, Harley Chan, PhD³, Tahsin Khan⁴, Margarete Akens, PhD⁴, Jonathan Irish, MD, PhD⁴, Shana Kelley, PhD⁴; Department of Otolaryngology-Head and Neck Surgery, University of Toronto, Toronto, Canada, Institute of Biomaterials and Biomedical Engineering, University of Toronto, Toronto, ON, Canada, Leslie Dan Faculty of Pharmacy, University of Toronto, Toronto, ON, Canada, TECHNA Institute, University Health Network, Toronto, Princes Margaret Cancer Centre, Department of Biochemistry, University of Toronto, Toronto, ON, Canada |
| **P313** THE VALUE OF 18FDG PET/CT IN SCREENING FOR DISTANT METASTASES IN HEAD AND NECK SQUAMOUS CELL CARCINOMA  
Sten E. Deurvorst, MD¹, Otto S. Hoekstra, MD, PhD¹, Jonas C. Castelijns, MD, PhD¹, Birgit I. Witte, MS¹, PhD¹, Remco de Bree, MD, PhD²; VU University Medical Center, University Medical Center Utrecht |
P314 ADDITIONAL NON-SENTINEL LYMPH NODE METASTASES IN EARLY ORAL CANCER PATIENTS WITH A POSITIVE SENTINEL LYMPH NODE BIOPSY
Inne den Toom, MD1, Elisabeth Bleoemena, MD, PhD2, Stijn van Weert, MD, K. Hakki Karazoglu, MD3, Otto S. Hoekstra, MD, PhD4, Remco de Bree5; 1University Medical Center Utrecht, 2VU University Medical Center

P315 INCIDENTALLY IDENTIFIED LESIONS IN HEAD AND NECK CANCER PATIENTS ON POSITRON EMISSION TOMOGRAPHY-COMPUTED TOMOGRAPHY
Christopher J Britt, Gregory K Hartig; University of Wisconsin Hospitals and Clinics

P317 FIELD SCREENING FOR ORAL CANCER USING OPTICAL COHERENCE TOMOGRAPHY
Sumsum Sunny, MDS1, Bonney Lee James, M Tech1, Ravindra Dr1, Subhashini Ar, MDS2, Keerthi G, MDS2, Shubha G, MDS2, Uma K, MDS2, Sandeep Kumar, BDS1, Swathi Mani, BDS1, Vikram Kekatpure, M, Ch1, Praveen Bn, MDS2, Amritha Suresh, PhD1, Tracie Lam, BS1, Petra Wilder-Smith, DDS, PhD2, Zhongping Chen, PhD2, M Abraham Kuriakose, MD1; 1Department of Pathology - University of São Paulo, São Paulo, Brazil, 2Department of Head and Neck Surgery - University of São Paulo, São Paulo, Brazil

P318 THE UTILITY OF IN-OFFICE ULTRASOUND IN THE DIAGNOSIS OF PAROTID LESIONS
Omid Moshtaghi, Yarah M Haidar, Mohammad Helmy, Julie A Goddard, William B Armstrong; University of California - Irvine, Medical Center

P319 MALIGNANT INCIDENTAL THYROID LESIONS: A FNAB - SURGICAL PATHOLOGY STUDY IN A REFERENCE CENTER IN BRAZIL
Paulo Campos Carneiro1, Luiz Fernando Ferraz da Silva1,leticia de Moraes Mosca1, Vergilisso José Furtado de Araujo Neto2, Claudio Roberto Cerne2, Vergilisso José Furtado de Araujo Filho3; 1Department of Pathology - University of São Paulo, São Paulo, Brazil, 2Department of Head and Neck Surgery - University of São Paulo, São Paulo, Brazil

P320 QUANTIFIED TISSUE DEFORMATION DURING LARYNGOSCOPY
Joseph A Paydarfar, MD1, Xiaotian Wu2, Ryan J Halter, PhD2; 1Dartmouth Hitchcock Medical Center, Geisel School of Medicine, 2Dartmouth College, Thayer School of Engineering

P321 USE OF NARROW BAND IMAGING AND COMPUTATIONAL IMAGE ANALYSIS FOR THE EARLY DIAGNOSIS OF OROPHARYNGEAL SQUAMOUS CELL CARCINOMA
Brandon J Baird, MD, Floyd C Holsinger, MD; Stanford University

P322 RELIABILITY OF ULTRASONOGRAPHY TO PREDICT VOCAL FOLD MOBILITY
Trevor Hackman, MD, FACS, Sita M Fleischman, MD, Allie Goins, MS; University of North Carolina

P323 FACETI! MOBILE APPLICATION FOR DIAGNOSIS OF FACIAL PALSY
Ofer Azoulay, MD1, Yotam Ater, BEng2, Lior Gersi, BEng2, Yonatan Glassner, BEng2, Ori Bryt, BEng2, Johaner Erez, PhD2, Gil Zoizer, MD1, Oded Cohen, MD1, Doron Halperin, MD2; 1Kaplan Medical Center, Israel, 2Technion - Israel Institute of Technology, Israel

P324 EVALUATION AND OUTCOME OF PULMONARY NODULES ASSOCIATED WITH HEAD AND NECK SQUAMOUS CELL CARCINOMA
Hassan Arshad, MD, Mary E Platek, PhD, Mark Glasgow, MS, Ahmed S Abdelmeguid, MD, Movses Hayrabedian, MD, David Cohan, MD, Vishal Gupta, MD, Wesley L Hicks Jr, MD, Anrug K Singh, MD, Moni A Kuriakose, MD; Roswell Park Cancer Institute

P325 PET IMAGING OF RADIATION-INDUCED PD-L1 UPREGULATION IN TUMOR MICRO-ENVIRONMENTS USING ZR-89 LABELED PD-L1 AB IN A B16F10 MOUSE MODEL
Masahiro Kikuchi1, Raghvendra M. Srivastava1, Lingyi Sun2, Dexiong Zeng2, Carolyn J. Anderson2, Barry Edwards3, Robert L. Ferris1, David A. Clump1; 1Department of Otolaryngology, University of Pittsburgh, 2Department of Radiology, University of Pittsburgh, 3Department of Radiation Oncology, University of Pittsburgh

P327 PET/MRI IN HEAD AND NECK CANCER- A NEW DIAGNOSTIC TOOL IN EVOLUTION.
Ofer Azoulay1, Roi Barnea2, David Groshar2, Judith Lokman3, Avi Khafif2; 1Kaplan Medical center, 2Assuta Medical Center

P328 APPLICATION OF ULTRASOUND-GUIDED CORE BIOPSY AS THE FIRST-LINE DIAGNOSTIC TOOL IN THE SUPRACLAVICULAR FOSSA TUMOR
Tsung-Lin Yang, MD, PhD, Chun-Nan Chen, MD, Cheng-Ping Wang, MD, Pei-Jen Lou, MD, PhD, Jena-Yuh Ko, MD, PhD; Department of Otolaryngology, National...
Poster Listing

Taiwan University Hospital and National Taiwan University College of Medicine, Taipei, Taiwan

P329 RADICAL OR COMPREHENSIVE NECK DISSECTION CORRELATES WITH INCREASED UPTAKE AROUND THE STERNOCLAVICULAR JOINT ON POST-OPERATIVE 18F-FDG PET.
Ye Ji Shim, MD¹, Doh-Young Lee, MD¹, So Won Oh, MD², Suzy Kim, MD³, Kwang Hyun Kim, MD⁴; Young Ho Jung⁴; ¹Department of Otorhinolaryngology-Head and Neck Surgery, Boramea Medical Center, Seoul National University College of Medicine, Seoul, Korea, ²Department of Nuclear medicine, Boramea Medical Center, Seoul National University College of Medicine, Seoul, Korea, ³Department of Radiation Oncology, Boramea Medical Center, Seoul National University College of Medicine, Seoul, Korea

P330 EXTRA-CAPSULAR SPREAD IN NECK NODES: SHOULD WE OPERATE MORE?
Yasmine Kamhieh, Mrs E Hallett, Dr M Spurr, Mrs H Fox, Mr D Smith, Mr S Berry, Dr R Rees, Dr R Winter; Cwm Taf NHS trust

P331 EARLY DIAGNOSIS OF RECURRENT DIFFERENTIATED THYROID CANCER USING PET/CT VS RAI WHOLE BODY SCAN AND USG NECK AFTER THYROID SURGERY
Sovit J Baral, MD, Jaimanti Bakshi, MDDNBNMAMS, Naresh K Panda, MS, DNBFRCS, Ed, B R Mittal, MD, Anupam Lal, MD, Dharam Vir, MSc, PhD; PGIMER, CHANDIGARH,INDIA

P332 TONGUE CANCER WITH RARE LEVEL VI NECK METASTASIS DEMONSTRATED BY FDG-PET/CT
Kuo Yang Tsiai; changhua christian hospital

P333 METASTATIC RENAL CELL CARCINOMA TO THE NECK MASUERADING AS A VAGAL PARAGANGIOMA: A CASE REPORT AND REVIEW OF THE LITERATURE
Israel Penà, MD¹, Jeffrey M Bergeron, BS², Orlando M Díaz, MD², Nadia G Mohyuddin²; ¹Baylor College of Medicine, ²Texas Methodist Hospital

P334 CASE REPORT: OSTEochondroma AT THE ANGLE OF MANDIBLE
AndréS C Limardo, EMilio Soza, Adrian Ortega, Ruben Padin; Hospital Prof. A. Posadas

P335 PRIMARY NASOPHARYNGEAL CARCINOMA CELL CULTURE: A COMPLEMENTARY MODEL TO CELL LINES
Feng-Gang Yu, PhD¹, Chwee-Ming Lim, MD², Kwok S Loh, FRCS³; ¹National University of Singapore, ²National University Health System, Singapore

P336 RADIATION INDUCED HYPOGLOSSAL NERVE PALSY IN NASOPHARYNGEAL CARCINOMA: A SYSTEMATIC ANALYSIS OF FACTORS
Xue-Ying Goh, MBBS, Ivan Tham, MD, Boon-Cher Goh, MD, Thomas Loh, FRCS; National University Health System

P337 AN AUTOMATED METHODOLOGY FOR ASSESSING ANATOMY-SPECIFIC INSTRUMENT MOTION DURING ENDOscopic ENDONASAL SKULL BASE SURGERY
Richard A Harbison, MD, Yangming Li, PhD, Angelique M Berens, MD, Nava Aghdasi, BS, Blake Hannaford, PhD, Kris S Moe, MD; University of Washington

P338 SMALL CELL CARCINOMA OF THE HEAD AND NECK: A COMPARATIVE STUDY BY PRIMARY SITE BASED ON POPULATION DATA
Edward C Kuan, MD, MBA, Jose E Alonso, BS, Armin Arshi, BS, Jon Mallen-St. Clair, MD, PhD, Maie A St. John, MD, PhD; UCLA

P339 FAR MEDIAL ENDOscopic TRANSORAL APPROACH TO THE INFRAtemporal FOSSA: CLINICAL CASE REPORTS
Hafiz Patwa, Enver Ozer, Ricardo Carrau, MD; Ohio State University

P340 MANAGEMENT OF SQUAMOUS CELL CARCINOMA ASSOCIATED WITH SINONASAL INVERTED PAPILLOMA
Ryuji Yasumatsu, MD, Torahiko Nakashima, MD, Ryunosuke Kogo, MD, Hideoki Uryu, MD, Motohiro Sawatubashi, MD, Takafumi Nakano, MD, Masanobu Sato, MD, Takashi Nakagawa, MD; Kyushu University

P341 JUVENILE NASOPHARYNGEAL ANGIOFIBROMA: THE VALUE OF INTRAoperative ARTERIAL LIGATION COMARED TO PREoperative EMBOLIZATION.
Agnaldo J Graciano, MD, MSc, Carlos T Chone, MD, PhD, Mayara Tabai, MD, Jorge R Paschoal, MD, PhD, Thales Eugeni, Cesar G Senna; Unicamp

P342 COMPARISON OF EFFICACY OF TWO SCHEMES OF CHEMOTHERAPY FOR LOCALLY ADVANCED NASOPHARYNGEAL CARCINOMA.
Larisa Bolotina, PhD, Anna Kornietskaya, MD, Tatiana Deshkina, MD; Moscow Research Institute of Oncology name of P.A. Hertszen - branch of “NMRC”, Moscow, Russia
P343 PEMBROLIZUMAB (MK-3475) VS STANDARD OF CARE CHEMOTHERAPY IN PLATINUM PRETREATED, RECURRENT OR METASTATIC NASOPHARYNGEAL CANCER: THE PHASE 2 KEYNOTE-122 STUDY
Lillian Siu1, Victor Lee2, Roger Ngan3, Ka-Fai To4, Myung Ju Ahn5, Quan Sing Ng6, Ruey-Long Hong7, Jin-Ching Lin8, Ramona F Swaby9, Tracy Owtscharuk-Sheldon4, Sanatan Saraf4, Anthony T Chan1; 1Princess Margaret Cancer Centre, 2Li Ka Shing Faculty of Medicine, The University of Hong Kong, 3Queen Elizabeth Hospital, 4The Chinese University of Hong Kong, 5Samsung Medical Center, Sungkyunkwan University, 6National Cancer Centre Singapore, 7National Taiwan University Hospital, 8Taichung Veterans General Hospital, 9Merck

P344 OPERATIVE RESECTION OF FACIAL NERVE PARAGANGLIOMA CAUSING COMPLETE FACIAL NERVE PARALYSIS WITH IMMEDIATE FACIAL NERVE REHABILITATION
Christopher J Britt, MD, Aaron Wieland, MD; University of Wisconsin Hospitals and Clinics

P345 PROGNOSTIC SIGNIFICANCE OF ORBITAL INVOLVEMENT IN PATIENTS WITH LOCALLY ADVANCED (T4N0-2M0) NASOPHARYNGEAL CARCINOMA
Yohanes Ting, MBBS, MRCS, Thomas Loh, MBBS, FRCS, Siew Shuen Chao, MBBS, FRCS, Chee Ming Lim, MBBS, MRCS, MMed; National University Health System, Singapore

P347 ENDOSCOPIC TREATMENT OF ESTHESIONEUROBLASTOMA: OUR EXPERIENCE IN RAJAVITHI HOSPITAL
Puangmali Praweswararat, MD, Methee Wongsirisuwan, MD, Phakdee Sannikorn, MD; Rajavithi hospital, Rangsit University

P348 SURVIVAL OUTCOMES FOLLOWING SURGICAL SALVAGE NECK DISSECTION FOR ISOLATED NODAL FAILURE IN NASOPHARYNGEAL CARCINOMA
Zenon Yeung, David C M Yeung, Eddy WY Wong, Michael C Tong, Alexander C Vlantis, Jason Y Chan; The Chinese University of Hong Kong

P349 ENDOSCOPIC ENDONASAL APPROACH FOR CAVERNOUS SINUS TUMOR
Yu-Tsai Lin, MD, FACS1, Hung-Chen Wang, MD, PhD, FICS1, Chih-Yen Chien, MD, FACS1; 1Department of Otolaryngology, Kaohsiung Chang Gung Memorial Hospital, 2Department of Neurosurgery, Kaohsiung Chang Gung Memorial Hospital

P350 ENDOSCOPIC NASOPHARYNGECTOMY IN RECURRENT NASOPHARYNGEAL CARCINOMA: A CASE SERIES AND SYSTEMATIC REVIEW
Jason Y Chan, Dennis L Lee, Eddy WY Wong, C. A van Hasselt, Michael C Tong, Alexander C Vlantis; The Chinese University of Hong Kong

P351 AMELANOTIC MELANOMA OF THE NASAL CAVITY: CASE REPORT AND REVIEW OF LITERATURE
Chandala Chitguppi, MS, Swati Tandon, Vikram Wadhwa, Nita Khurana; Maulana Azad Medical College

P352 SURGICAL INTRICACIES IN JUGULARE FORAMEN TUMOURS: AN INSTITUTIONAL EXPERIENCE
Simple Patadia, MS, Rabi Sahu, MS, Mch, Amit Keshri, MS, Saurin Shah, MS; Sanjay Gandhi Post Graduate Institute of Medical Sciences

P353 SURGICAL TREATMENT FOR STAGE IVB HEAD AND NECK CANCERS: SINGLE INSTITUTION EXPERIENCE
Sherif Shaaban, MD, J Kenneth Byrd, MD, Michael W Groves, MD, Frank Mott, MD, Waleed F Mourad, MD, C Arturo Solares, MD; Augusta University

P354 A COMPARATIVE ESTIMATION OF THE RESULTS OF TRADITIONAL AND ENDOSCOPIC OPERATIONS AT REMOVAL OF SOME JUVENILE NASOPHARYNGEAL ANGIOFIBROMAS
Rufat Rzayev, MSc; FMBA Scientific Clinical center of Otorhinolaryngology

P355 A CASE SERIES OF SUCCESSFUL TREATMENT OUTCOMES OF SINONASAL UNDIFFERENTIATED CARCINOMA (SNUC)
Devi Meyyappan, MD, Manish Patel, DO; University of Minnesota

P356 OPTIMIZING THE PHOTODYNAMIC THERAPY TREATMENT APPROACH FOR RECURRENT MAXILLA, SINONASAL AND ANTERIOR SKULL BASE MALIGNANCIES.
Tessa E van Doeveren, MD, Baris Karakullukçu, MD, PhD, Robert L van Veen, PhD, Ferrie van den Boom, Milena Smolic, PhD, Anke M van Mourik, PhD, Bing Tan, MD, PhD; Department of Head and Neck Oncology and Surgery, The Netherlands Cancer Institute, Antoni van Leeuwenhoek Hospital, Amsterdam, The Netherlands

P357 CLINICAL ANALYSIS OF THE NASAL AND SINONASAL INVERTED PAPILLOMA ASSOCIATED WITH MALIGNANCY.
Takuya Miyazaki, Hisanobu Tamaki, Shinichi Satoi, Atsushiyo Yoshida; Kurashiki Central Hospital
P358 PROFILING ONCOGENIC ROLES OF MICRORNA IN NASOPHARYNGEAL CARCINOMA ASSOCIATED FIBROBLASTS
Feng-Gang Yu, PhD, Kwok S Loh, FRCS; National University of Singapore

P359 SINONASAL SARCOMA TREATMENT AND SURVIVAL OUTCOMES
Richard B Cannon, Yusuf Dundar, Marcus M Monroe, Jeremiah A Alt, Luke O Buchmann, Jason P Hunt; University of Utah

P360 CLINICAL AND PATHOLOGICAL CORRELATION OF NASOPHARYNGEAL CANCER PATIENTS TREATED WITH SALVAGE NECK DISSECTION
Warren Ong, Xue Ying Goh, Donovan Eu, Thomas Loh, Chwee Ming Lim; National University of Singapore, National University Health System Singapore

P361 SURGICAL TREATMENT OF CANCER OF THE NASAL VESTIBULE
Philippe A Federspil, MD, Peter K Plinkert, MD, Karim Zaoui, MD; University Hospital Heidelberg

P362 THE EFFECT OF PRIMARY TREATMENT ON HISTOPATHOLOGICAL PATTERNS AND CHOICE OF NECK DISSECTION IN REGIONAL FAILURE OF NASOPHARYNGEAL CARCINOMA PATIENTS.
Stefan Mueller, N. Gopalakrishna Iyer, Ngian Chye Tan, Khee Chee Soo, Hiang Khoon Tan; Department of Surgical Oncology, National Cancer Centre Singapore, Singapore

P363 PROGNOSTIC VALUE OF INFLAMMATORY BIOMARKERS IN NASOPHARYNGEAL CARCINOMA
Hiroe Tada, Hideyuki Takahashi, Masato Shino, Katsumasa Takahashi, Koichi Sakakura, Kazuhi Chikamatsu; Department of Otolaryngology-Head and Neck Surgery, Gunma University Graduate School of Medicine

P364 TRANS-ORAL APPROACH FOR EXCISION OF A PRESTYLOID PARA-PHARYNGEAL SPACE VASCULAR HAMARTOMA (CASE REPORT)
Mohammed Mosleh, Prof, Dr. Ahmed El Batawy, Dr; Kasr Alainy hospitals, faculty of medicine, Cairo university.

P365 PRIMARY ISOLATED CRANIOFACIAL XANTHOMA: A CASE REPORT AND REVIEW OF THE LITERATURE
Ankit Kansal, Saral Mehra, Dr, Richard P Manes, Dr, Ketal Bulsara, Dr; Yale University

P366 YOLK SACTUMOR OF THE HEAD AND NECK - AN AGGRESSIVE AND FATAL MALIGNANCY
William S Kim, MD, Mark A Vecchiotto, MD, Richard O Wein, MD; Tufts Medical Center

P367 SHOULD THE NECK IN SINONASAL UNDIFFERENTIATED CARCINOMA (SNUC) BE TREATED IN PATIENTS WITHOUT EVIDENCE OF REGIONAL METASTASIS? A SYSTEMATIC REVIEW AND META-ANALYSIS
Gregoire B Morand, MD, MSc, Domenic D’Vital, MD, Gerhard F Huber, MD, MSc, David Holzmann, MD, Michael B Soyka, MD; University Hospital Zurich

P369 TEMPORAL BONE MENINGIOMA INVOLVING THE ENTIRE INTRATEMPORAL COURSE OF THE FACIAL NERVE PRESENTING WITH PROGRESSIVE FACIAL WEAKNESS IN A CHILD
Nicholas L Deep, MD, Sharon H Gnagi, MD, Peter A Weisskopf, MD; Mayo Clinic Arizona

P370 NON-HODGKIN LYMPHOMAS OF NASAL CAVITY: TWO CASE REPORTS
Orhan K Kahveci, MD, Cigdem Ozdemir, MD; Afyon Kocatepe University, Faculty of Medicine, Department of Otolaryngology, Afyon Kocatepe University, Faculty of Medicine, Department of Pathology

P371 LOW-GRADE SINONASAL SARCOMA WITH NEURAL AND MYOGENIC DIFFERENTIATION WITH UNIQUE GENETIC CHANGES: ADDITIONAL INSIGHT INTO A RARE SARCOMA OF THE HEAD AND NECK
Nathan Grohmann, MD, Gary Landrigan, MD, Bruce Tranmer, MD, Suzanne Tucker, MD, Mary Tang, MD; The University of Vermont Medical Center

P373 A RARE CASE OF ADENOID CYSTIC CARCINOMA IN THE PTERYGOPALATINE FOSSA
Lu Hui Png, Eng Cern Gan; Singapore General Hospital, Singapore

P374 AN EXTREMELY RARE SINONASAL MALIGNANT TUMOR, SINONASAL RENAL CELL-LIKE ADENOCARCINOMA - REPORT OF ONE CASE AND LITERATURE REVIEW
Ching-Nung Wu, MD, Chih-Yen Chien, MDC, Wei-Chih Chen, MD; Department of Otolaryngology, Kaohsiung Chang Gung Memorial Hospital and Chang Gung University College of Medicine, Kaohsiung, Taiwan

P375 SINONASAL NEUROENDOCRINE TUMOR: A CASE REPORT
Luis O Dominguez Palomera, MD, Juan J Soto Ávila, MD, Juan C Vázquez Limón, MD; Instituto Jalisciense de Cancerología
P376 TWO CASES OF LONG-TERM SURVIVORS WITH EXTERNAL SURGICAL APPROACHES FOR NASOPHARYNGEAL CANCER
Hirokazu Uemura, MD, PhD1, Kazuyoshi Kawabata, MD, Phd2, Takashi Fuji, MD, PhD3, Motoyuki Suzuki, MD4, Ichiro Ota, MD, PhD5, Tadashi Kitahara, MD, PhD6; *Nara Medical University, **Cancer Institute Hospital of Japanese Foundation for Cancer Research, ***Osaka Medical Center for Cancer Research, ****Osaka, Osaka, Osaka, Osaka, Japan

ORAL CAVITY P379 - P442

P379 NOVEL COMPUTATIONAL IMAGE ANALYSIS TO PREDICT REGIONAL NODAL DISEASE FOR EARLY-STAGE ORAL CANCER
Kelly Liu, MSc1, Monica Q Ye, MSc2, Martial Guillaud, PhD2, Catherine F Poh, DDS, PhD, FRCDC2; *University of British Columbia, **British Columbia Cancer Research Center

P380 Associations Among Pretreatment Tumor Necrosis and the Expression of HIF-1α and PD-L1 in Advanced Oral Squamous Cell Carcinoma and the Prognostic Impact Thereof
Tseng-Cheng Chen, MD, PhD, Cheng-Ping Wang, MD, Tsung-Lin Yang Yang, MD, PhD, Pei-Jen Lou, MD, PhD, Jenq-Yuh Ko; Department of Otolaryngology, National Taiwan University Hospital and National Taiwan University College of Medicine, Taipei, Taiwan

P381 Observation of Oral Premalignant and Malignant Lesions Using the ESPYOC System
Alexander Johnson1, John Baeten1, Sumsun P Sunny, MDS2, Ravinda D R3, Bonney Lee James, M, Tech4, Subhashini A R5, MDS6, Vidya Tiwari, MDS7, Sanjana Patrick, MDS7, Uma K, MDS7, Vikram Kekatpure, MS, MCh7, Praveen Bn, MDS8, Amrutha Suresh, PhD, Deepak Kademani, MD9, Moni Abraham Kurikose, MD: *Inter-Med, 220 South St. Ste. A, Racine, WI 53404, 1Head and Neck Oncology, Mazumdar Shaw Medical Center, Bangalore, India, Integrated Head and Neck Oncology Program, Mazumdar Shaw Center for Translational Research, Bangalore, India, *Integrated Head and Neck Oncology Program, Mazumdar Shaw Center for Translational Research, Bangalore, India, **Department of Oral Medicine and Radiology, KLES Institute of Dental Sciences, Bangalore, India, ***Department of Oral and Maxillofacial Pathology, KLES Institute of Dental Sciences, Bangalore, ****Head and Neck Oncology, Mazumdar Shaw Medical Center, Bangalore, India, *****Head and Neck Oncology, Mazumdar Shaw Medical Centre, Bangalore, India, ******Mazumdar Shaw Cancer Centre-Roswell Park Collaborative Head and Neck Oncology Research Program, Roswell Park Cancer Institute, Buffalo NY 14263 1Oral Maxillofacial Surgery, North Memorial Hospital, Robbinsdale

P383 A NOVEL ORTHOTOPIC ORAL SQUAMOUS CELL CARCINOMA ANIMAL MODEL FOR PRECLINICAL STUDIES OF DIFFERENT TREATMENT MODALITIES
Aviram Mizrahi, MD, Rajasekhar K Vinagolu, PhD, Samuel Brook, BA, Ronald Ghossein, MD, Adriana Haimovitz-Friedman, PhD; Memorial Sloan-Kettering Cancer Center

P384 Doubtful Effectiveness of Adjuvant Therapy for PN1 Oral Cavity Cancer in Taiwan
Shyuang-Der Terng, MD, Ching-yuan Lin, MD, Skye H Cheng, MD, Cheng-fang Horng, MS; Koo Foundation Sun Yat Sen Cancer Center

P385 OSTEOSARCOMA OF THE MANDIBLE: A SITE SPECIFIC RETROSPECTIVE STUDY ON SURVIVAL AND PROGNOSTIC FACTORS
Tong Ji, DDS, MD, Yiming Chen, DDS, Sandhya Gokavarapu, MDS, HuiShan On, MD, PhD, Wei Cao, MD, PhD; Department of Oral Maxillofacial-Head Neck Oncology, Shanghai Ninth People’s Hospital, School of Medicine, Shanghai Jiao Tong University

P386 Prognostic Factors in Oral Cavity Squamous Cell Carcinoma - Comparison of Predictive Models
Chunzi Jenny Jin, MD4, Lisa Caulley, MD4, Leonardo Freitas Boaventura Rios, MD5, Caio Caio Toscato Caliseo, MD6, Jorge Du Ub Kim, MD7, Alexandre Bezerra dos Santos, MD, PhD8, Pamela Oliveira Soares8, Jessica Boscariol da Silva8, Claudio Roberto Cernea, MD, PhD9, Rossana Verônicas Mendoza López, MPH, PhD9, Raquel A Moyes, MD, PhD9; Gencapo - Head and Neck Genome Project Study Group, 1Instituto do Câncer do Estado de São Paulo, 2Department of Head & Neck Surgery - LIM28, Hospital das Clinicas, University of São Paulo, 3Harvard School of Public Health
Poster Listing

P387 EFFICIENCY OF COMMUNITY HEALTH CARE WORKERS IN IDENTIFICATION OF ORAL POTENTIALLY MALIGNANT DISORDERS IN A MHEALTH PROGRAM
Praveen Birur, Dr1, Rani Desai2, Vidya Tiwari, Dr3, Sanjana Patrick, Dr4, Shubhasini A Raghavan, Dr5, Shubha Gurudath, Dr6, Keerthi Gurushanth, Dr6, Usha Hegde, Dr6, Mohammed Imran, Dr7; *KLE Society's Institute of Dental Sciences, Bangalore; Biocon Foundation, *Biocon Foundation, *KLE Society's Institute of Dental Sciences, Bangalore, *JSS College of Dental Sciences

P388 SQUAMOUS CELL CARCINOMA OF THE RETROMOLAR TRIGONE: A POPULATION-BASED ANALYSIS OF 4,022 CASES
Edward C Kuan, MD, MBA, Jose E Alonso, BS, Jon Mallen-St. Clair, MD, PhD, Armin Arshi, BS, Maie A St. John, MD, PhD; UCLA

P389 OUTCOME ANALYSIS OF SURGICALLY TREATED LOCALLY ADVANCED BUCCAL MUCOSA CANCERS
Sudhir V Nair, MS, MCh, Manish Mair, MS, Noopur Sawarkar, MDS, Pankaj Chaturvedi, MS, Rajiv Sarin, MD, Anil K D'Cruz, MS; Tata Memorial Center

P390 EVALUATION OF LYMPHATIC AND VASCULAR INVASION IN RELATION TO CLINICOPATHOLOGICAL FACTORS AND TREATMENT OUTCOME IN ORAL CAVITY SQUAMOUS CELL CARCINOMA
Kai-Ping Chang, MD, PhD1, Mohamad Adel, MD, MSc2, Huang-Kai Kao, MD; *Department of Otolaryngology - Head & Neck Surgery, Chang Gung Memorial Hospital, Taipei, Taiwan, *Division of Surgical Oncology, Al-Azhar University Hospitals, Al-Azhar Faculty of Medicine, Cairo, Egypt, *Department of Plastic & Reconstructive Surgery, Chang Gung Memorial Hospital, Taipei, Taiwan

P391 DEPTH OF INVASION AS A PREDICTOR OF DISEASE RECURRENCE IN ORAL TONGUE SQUAMOUS CELL CARCINOMA
Linus Lau, MBBBSingapore, MRCSIreland, Qasim Ahmed, MBBSPakistan, Diplomate, ABPath, IFCAP, Chwee Ming Lim, MBBBSingapore, MRCSEdIn, MMedORL; National University Hospital

P392 LUGOL'S IODINE PROVIDES ACCURATE RESECTION MARGINS FOR ORAL CAVITY DYSPLASIA RESECTION; A CASE SERIES
James A McCaul, PhD, FRCSOMFS, FRCS, FIBCSOMS, FDSRCPs, MB1, Raghav R Kulkarni, MRCS, MBBS, BDS1, Kayleigh Gilbert, BSc2, Khin Thway, FRCPch, MBChB, BSc1; *The Royal Marsden, *London Northwest Healthcare NHS Trust

P393 EARLY FAILURES IN LOCOREGIONALLY ADVANCED ORAL SQUAMOUS CELL CANCERS - ARE WE TREATING THE RIGHT SUBGROUP?
Vidisha V Tulipapurkar, Dr, Prathamesh S Pai, Dr; Tata Memorial Hospital, Dept of head & neck oncology, Mumbai, India

P394 REBUILDING DIMENSIONAL ORAL CAVITY STRUCTURES: A CAD AVER STUDY
Robert M Baskin, MD, Martha Burt, MD, Benjamin J Schlott, DMD, MD, Peter T Dziegielewski, MD; University of Florida

P395 TUMORTHICKNESS IS PREDICTIVE OF SENTINEL LYMPH NODE BIOPSY STATUS IN EARLY ORAL SQUAMOUS CELL CARCINOMA
Gregoire B Morand, MD, MSc1, Kristian Ilkenberg, MD2, Gerhard F Huber, MD, MSc1; *Otolaryngology - Head and Neck Surgery, University Hospital Zurich, *Surgical Pathology, University Hospital Zurich

P396 PATTERNS OF REGIONAL FAILURE IN ADVANCED ORAL CAVITY SQUAMOUS CELL CARCINOMA TREATED WITH UNILATERAL NECK DISSECTION AND ADJUVANT IMRT.
Luke Apisa1, Madeleine Strohl1, Min Yao, MD2, Mike Gibson, MD2, Shawn Li, MD2, Akina Tamaki, MD2, Pierre Lavertu, MD2, Rod Rezaee, MD2, Nicole Fowler, MD2, Chad Zender, MD2; *Case Western Reserve University School of Medicine, *University Hospitals - Case Medical Center

P397 FACTORS IN ESCALATING THERAPY IN EARLY STAGE ORAL TONGUE CANCER: THE UNC EXPERIENCE
Adam P Campbell, MD, Maheer Masood, BA, Bhishamjit S Chera, MD, Samip N Patel, MD; University of North Carolina at Chapel Hill

P398 SUPRAOMOHYOID NECK DISSECTION VIA RETROAURICULAR APPROACH FOR EARLY ORAL CANCER IN US PATIENTS
Mathew Galteirer, Garret W Choby, Peter S Volser, Seungwon Kim, Associate Professor; University of Pittsburgh

P399 SQUAMOUS CELL CARCINOMA OF THE BUCCAL MUCOSA: PATTERNS OF RECURRENCE AND PROGNOSTIC FACTORS
Ross Triolo, Dr, Dougal Buchanan, Dr, Tim Iseli, Dr, David Wiesenfeld, APF; Royal Melbourne Hospital
P400 OUTCOMES FOLLOWING FREE TISSUE TRANSFER FOR COMPOSITE ORAL CAVITY RESECTIONS INVOLVING SKIN
Sameer Alvi, MD, Marco Ayala, MD, Valerie Wood, MD, Doug Girod, MD, Terance Tsue, MD, Lisa Shnayder, MD, Kiran Kakarala, MD; University of Kansas Dept of OHNS

P401 THE DIFFERENCES AND TRENDS BETWEEN T1,2 AND T3,4 NO ORAL CAVITY CANCER PATIENTS IN TAIWAN
Chieh Yuan Cheng, DDS, MS1, Chung Ji Liu, DDS, MS2; 1MacKay Memorial Hospital, 2National Yang Ming University

P402 Withdrawn

P403 TUMOR NECROSIS FACTOR RECEPTOR (TRAF) FAMILY IS ASSOCIATED WITH HEAD AND NECK METASTASIS
Sabrina Daniela Silva Wurzba, Bin Xu, Maisa Alkailani, Fabio Marchi, Krikor Bijian, Alex Mlynarek, Michael Hier, Luiz Paulo Kowalski, Moulay A. Al-louati, McGill; 1AC Camargo Cancer Center

P404 EXPRESSIN OF TUMORAL CARBONIC ANHYDRASE IX AND KI67 IN RELATION TO SURVIVAL IN ORAL CAVITY SQUAMOUS CELL CARCINOMA PATIENTS
Nigel T Brockton, PhD1, Pawadee Lohavanichbutr, Emeka Enwere, PhD2, Melissa P Upton, MD2, Elizabeth Kornega, MSc2, Steve Nakoneshny, Pinaki Bose, PhD2, Chu Chen, PhD2, Joseph C Dort, MD2; 1Alberta Health Services, 2University of Calgary

P405 DEPTH OF INVASION AND RECURRENCE IN BUCCAL SQUAMOUS CELL CARCINOMA
Tiffany Peng, MD, Carol Li, MD, Marc A Cohen, MD, MPH, Theresa Scognamiglio, MD, William I Kuhel, MD, Victoria E Banuchi, MD, David I Kutler, MD; Weill Cornell Medical College

P406 THE DIAGNOSTIC PATHWAY IN ORAL CAVITY CANCER
Brian H Song, MD1, Jason Gilde, MD2, James W Salazar, BS1, Tara Wu, BS2, Eleanor Yang, BS2, Deepak Gurushanthaiah, MD1, Kevin H Wang, MD2; 1Kaiser Permanente Oakland Medical Center, 2University of California San Francisco

P407 LSF, A NOVEL MARKER FOR HUMAN ORAL CARCINOGENESIS AND METASTASIS
Chang-Han Chen, PhD1, Hsin-Ting Tsai2, Chih-Yen Chien2; 1Institute for Translational Research in Biomedicine, Kaohsiung Chang Gung Memorial Hospital, 2Department of Otolaryngology, Kaohsiung Chang Gung Memorial Hospital,

P410 THE EFFECT OF INDUCTION CHEMOTHERAPY FOR LOCALLY ADVANCED LINGUAL CANCER
Morimasa Kitamura, MD, PhD, Shigeru Hirano, MD, PhD, Ichiro Tateya, MD, PhD, Yo Kishimoto, MD, PhD, Takehiro Iki, MD, Chiaki Suzuki, MD, Koichi Omori, MD, PhD; Department of Otolaryngology, Head and Neck Surgery, Graduate School of Medicine, Kyoto University, JAPAN

P411 USEFULNESS OF ABSORBABLE SEALING MATERIALS AND FIBRIN GLUE TO WOUND OF PARTIAL GLOSSECTOMY
Masahiro Iwata, DMD, PhD1, Toru Nakamura, DDS2, Hiromi Kasai2; 1Uji Tokushukai Hospital, 2Sansk Dental Clinic, South Osaka Anti-aging Center

P412 MODIFICATION OF THE SUBMANDIBULAR GLAND TRANSFER PROCEDURE
Jeffson Chung, MD, FRCS1, Han Zhang, MD, Scott Murray, MD, Youness Elkahilady, BS2, Hani Almarzouki, MD, MSc, FRCSI3, Naresh Jah, MD, FRCP, Rufen Scrimger, MD, FRCP1, Brook Debenham, MD, FRCP1, Daniel A O’Connell, MD, MSc, FRCSI1, Jeffrey R Harris, MD, ML, FRCSI1, Vincent L Biron, MD, PhD, FRCS1, Hadi Seikaly1; 1University of Alberta, Division of Otolaryngology-Head and Neck Surgery, 2University of Alberta, Department of Medicine, 3Department of Otolaryngology-Head and Neck Surgery, King Abdulaziz University, Jeddah, Saudi Arabia, 4University of Alberta, Division of Radiation Oncology

P413 TELE-MICROSCOPY BASED ORAL CANCER SURVEILLANCE
Sumsum Sunny, MDS1, Praveen Gurpur, PhD2, Bonney Lee James, M, Tech2, Ravindra D R, Armitha Suresh, PhD, Subhashini A R, MDS2, Rahul Kumar, BDS3, Sangeetha Nayak, BDS3, Nisheena R, MD4, Uma K, MD4, Sunil P M, MDS4, Arun Tom, MDS5, Manohar Kollegal6, Arunan Skandarjah7, Clay D Reber8, Lance Ladic9, Daniel Fletcher9, Shubha G, MDS9, Keerthi G, MDS9, Praveen Bn, MDS9, Moni Abraham Kuriakose, MD; 1Integrated Head and Neck Oncology Program, Mazumdar Shaw Center for Translational Research, Bangalore, India, Head and Neck Oncology, Mazumdar Shaw Medical Center, Bangalore, India, 2Siemens Technology and Services Pvt Ltd, Bangalore, India, 3Integrated Head and Neck Oncology Program, Mazumdar Shaw Center for Translational Research, Bangalore, India, 4Integrated Head and Neck Oncology Program, Translational Research Center, Bangalore, India, 5Integrated Head and Neck Oncology Program, Mazumdar Shaw Center for Translational Research, Bangalore, India, 6Siemens Technology and Services Pvt Ltd, Bangalore, India, 7Integrated Head and Neck Oncology Program, Mazumdar Shaw Center for Translational Research, Bangalore, India, 8Siemens Technology and Services Pvt Ltd, Bangalore, India, 9Integrated Head and Neck Oncology Program, Translational Research/Head
P414 CLINICAL AND HISTOPATHOLOGICAL PROFILE OF CENTRAL AND PERIPHERAL GIANT CELL GRANULOMAS IN GNATHIC BONES
Mariana R Lopes1, Georgia Martini1, Fernanda V Mariano2, Elena Riet1, Rogério O Gondak1, Luiz P Kowalski3; 1Federal University of Santa Catarina, 2Faculty of Medical Sciences - UNICAMP, 3AC Camargo Cancer Center

P415 MANDIBULOTOMY AND MANDIBLE SWING FOR ORAL CAVITY AND OROPHARYNGEAL SURGERY - IS THERE A PRICE TO PAY FOR THE ACCESS IT GIVES?
Alexander C Vlantis, Eddy W Wong, Siu Kwan Ng, Jason Y Chan, Faya Liang, Michael C Tong; Department of Otorhinolaryngology, Head and Neck Surgery, The Chinese University of Hong Kong, Prince of Wales Hospital, Shatin, Hong Kong.

P416 EVALUATING OF THE EXPRESSION OF PROTEINS RELATED TO LIPOGENESIS AND GLYCOLYSIS IN NASAL AND ORAL MELANOMA.
Edson H Castilla Filho1, Harim T Santos2, Alicia Rumayor2, Juliana S Nascimento2, Erika S Egal1, Victor A Montalli2, Álvio J Tincani1, Antonio S Martins1, Fernanda V Mariano1, Albina Altemani1, Luiz P Kowalski4; 1Faculty of Medical Sciences - UNICAMP, 2AC Camargo Cancer Center

P417 CLINICOPATHOLOGICAL PARAMETERS AND LOCOREGIONAL RECURRENCE IN ORAL SQUAMOUS CELL CARCINOMA PATIENTS
Nina Irawati, MD, Sheng-po Hao, MD, FACS, FICS, Shin Kong Wu Ho Su Hospital

P419 THE ROLE OF ALCOHOL ON NOTCH SIGNALING PATHWAY IN VIVO
Yao Liu1, Xinyan Zhang1, Xiaobing Guan1, Xiaoxin Chen1, Zheng Sun1; 1Beijing Stamotological Hospital, 2North Carolina Central University

P420 CLINICAL ANALYSES OF ORAL CAVITY SQUAMOUS CELL CARCINOMA CASES TREATED BY SURGICAL RESECTION AND RECONSTRUCTION WITH FLAPS: A REPORT OF THE SINGLE INSTITUTION EXPERIENCE OF EIGHT YEARS.
Yasuhiro Ebihara1, Mitsuhiko Nakahira1, Kiyomi Kuba2, Susumu Ohba1, Hitoshi Inoue1, Yuichi Enoki1, Satoko Matsumura1, Kazuhiro Minami1, Yasunao Kogashiwa1, Syoichi Ishikawa2, Hideki Yokogawa1, Takashi Nakatsuka1, Kazunari Miyazawa1, Naoto Shikama1, Masashi Sugawara1; 1Department of Head and Neck Surgery, Saitama Medical University International Medical Center, Japan, 2Department of Plastic Surgery, Saitama Medical University International Medical Center, Japan, 3Department of Radiation Oncology, Saitama Medical University International Medical Center, Japan

P421 CLINICOPATHOLOGICAL PARAMETERS AND LOCOREGIONAL RECURRENCE IN ORAL SQUAMOUS CELL CARCINOMA PATIENTS
Nina Irawati, MD, Sheng-po Hao, MD, FACS, FICS; Shin Kong Wu Ho Su Hospital

P422 SUBMINTAL ISLAND FLAP RECONSTRUCTION OF A HEMIPALATE DEFECT WITH VENOUS REROUTING
Kate Clancy, BA1, Camille Huwyler, BS1, Shawn Li, MD2, Chad Zender, MD2; 1Case Western Reserve University School of Medicine, 2University Hospitals Case Medical Center-ENT Institute

P423 EXUBERANT GRANULATION TISSUE FORMATION FOLLOWING FREE FLAP RECONSTRUCTION OF THE ORAL CAVITY
Marietta Tan, MD1, Ghassan G Sinada, DDS1, Jeremy D Richmon, MD1; 1Johns Hopkins Medical Institutions, 2Maryland Prosthodontic Associates, Greater Baltimore Medical Center

P424 MELANOTIC NEUROECTODERMAL TUMOR OF INFANCY OF THE MANDIBLE: ROLE OF NEOADJUVANT CHEMOTHERAPY
Christopher Maroun, Elie Alam, Pierre Abi Akel, Raya Saab,brahim Khalife, Roger Moukarbel; American University of Beirut
P427 CAN ALL BONE DESTRUCTIVE SQUAMOUS CELL CARCINOMAS IN THE ORAL CAVITY BE REGARDED AS T4 CARCINOMAS?  
Miek Moerman, MD, Msc, PhD1, Matthias Ureel, MD2, Wilfried Vermot, MD3; 'AZ Maria Middelares Ghent, Belgium, ‘Ghent University Hospital, ‘AZ Jan Palfijn Ghent, Belgium

P428 VENOUS VASCULAR MALFORMATION OF THE FLOOR OF MOUTH MASQUERADING AS A DERMOID TUMOR  
Adam A Dmytriw, MD, MSc1, Jin Soo A Song, MD1, Patrick Guillane, MBChB1, Karel G terBrugge, MD2, Eugene Yu, MD3; ‘University of Toronto, ‘Princess Margaret Hospital, ‘Toronto Western Hospital

P430 SOLITARY FIBROUS TUMORS OF THE ORAL CAVITY  
Sidney J Starkman, MD, Michael Cipolla, MD; University at Buffalo

P431 INTRA-OPERATIVE SENTINEL LYMPH NODE EVALUATION: IMPLICATIONS OF CYTOKERATIN 19 EXPRESSION FOR THE ADOPTION OF ONE STEP NUCELIC ACID AMPLIFICATION (OSNA) IN ORAL SQUAMOUS CELL CARCINOMA  
Richard Shaw1, Anders Christensen2, Kapil Java1, Rehab El, Madden1, Lakis Liloglou1, Asteros Triantafyllou1, Christian Buchwald3, Janet Risk1, Max Robinson2; 'University of Liverpool, 'University of Copenhagen, 'University of Newcastle

P432 SECONDARY DEDIFFERENTIATED AMELOBLASTIC CARCINOMA OF THE MANDIBLE MIMICKING SQUAMOUS CELL CARCINOMA AND MIXED TUMOR: REPORT OF A RARE ENTITY  
Nina Irawati, MD, Iwan Sidharta, MD, Hendrick Chandra, MD, Kromo Sukardi Sagiran, MD, Alpania Rahniayu, MD, Sunarto Reksoprawiro, MD; Dr.Sotoemo General Hospital

P433 MALIGNANT MESOTHELIOMA OF THE TONGUE- PRIMARY PRESENTATION OF UNDIAGNOSED METASTATIC MALIGNANT MESOTHELIOMA  
K Lewis, BDS, MBBS, MRCS1, R Burcombe2, N Gooder3, N Chaston4; ‘WILLIAM HARVEY HOSPITAL, ‘MAIDSTONE GENERAL HOSPITAL

P434 LYMPHOEPITHELIAL CYST OF THE BUCCAL MUCOSA: CASE REPORT AND REVIEW OF LITERATURE  
Cristen Olds, MD, Ameet Grewal, MD; Department of Otolaryngology - Head & Neck Surgery, Stanford University, Stanford, CA 94305, USA

P435 INFLUENCE OF PREVIOUS TREATMENT OF ORAL SQUAMOUS CELL CARCINOMA ON THE GEOGRAPHY OF RECURRENT NECK METASTASES: A CASE SERIES OF UNUSUAL LEVEL IV METASTASES  
Rosalie A Machado1, Meghan Rowe2, Sami Moubayed, MD3, Azita Khorsandi, MD4, Mark L Urken, MD, FACS5; ‘Thyroid, Head & Neck Cancer Foundation, ‘Mount Sinai Beth Israel Department of Otolaryngology-Head and Neck Surgery, ‘Mount Sinai Beth Israel, Department of Pathology

P436 AMELOBLASTOMAS IN NICARAGUA, MULTIDISCIPLINARY APPROACHED, JANUARY 2003  
FJ Medrano, Head, and, Neck, surgeon, P; R Padilla, Maxillofacial, surgeon, PD; Q Quintanilla, Plastic, Surgeon, P; A Alvarado, Pathologist, P; R Matus, Radiologist, P; G Perez, Head, and, Neck, surgeon, PD; J Delima, Maxillofacial, , surgeon, PD; C Guillen, Nuclear, Surgery, P; ‘Salud Integral Hospital, ‘Roberto Huembes Hospital, ‘Facultad de Odontología Protesis Bucamaxilifacial Uruguay, ‘Monte España Hospital

P437 ODONTOGENIC CARCINOMAS: OUR EXPERIENCES AND LITERATURE REVIEW  
Yuxiong Su, DDS, MD1, Guiqing Liao, DDS, MD2; 'University of Hong Kong, 'Sun Yat-sen University

P439 MULTIPLE SYNCHRONOUS PRIMARY SCC OF THE ORAL CAVITY WITH UNDIAGNOSED PAPILLARY THYROID CARCINOMA  
Khari Lewis, BDS, MBBS, MRCS2, A Gulati, BDS, MBBS, FRCS3, N Chaston, MBBS, MRCPATH4; ‘QUEEN VICTORIA HOSPITAL, ‘WILLIAM HARVEY HOSPITAL

P440 SENTINEL NODE BIOPSY IN EARLY ORAL SCC - WHAT IS THE CURRENT POSTION?  
W S Hislop, FRCSEd, FFSTEd, FDSRCSed, FDSRCS1, C Wales, FRCSOMFS, FRCS, FDSRCS1, C Maciver, FRCSOMFS, FRCS, FDSRCS1, I McLaughlin, FRCR1, J McGarvie, BScHons2, D McLellan, MD, FRCPath, FRCP2, J D McMahon, FRCSOMFS, FRCS, FDSRCS1; ‘West of Scotland Maxillofacial Service, ‘NHS Greater Glasgow and Clyde, ‘NHS Arishyire and Arran
Poster Listing

P441 A UTILIZATION OF SUPER SELECTIVE INTRA-ARTERIAL CHEMOTHERAPY AS INDUCTION CHEMOTHERAPY FOR ADVANCED SQUAMOUS CELL CARCINOMA OF MANDIBLE ALVEOLAR RIDGE: A CASE REPORT
Shigeto Tanaka, DDS, PhD, Hideo Niwa, MD, PhD, Sakurako Yamaguchi, DDS, PhD, Chiki Furukoshi, DDS, Akiyoshi Ogino, MD, PhD, Hitoshi Hirota, MD, PhD, Teruyasu Hirayama, MD, PhD, Yasuhide Makiyama, MD, PhD, Masamichi Komiya, DDS, PhD; Nihon University School of Dentistry at Matsudo

P442 ONCOCYTIC CARCINOMA OF SUBMANDIBULAR GLAND
Akhilanand Chaurasia, Dr; King George Medical University

CHEMOTHERAPY/ RADIATION / ADJUVANT TREATMENT
P443 - P477

P443 A PHASE 1B STUDY OF NEOADJUVANT IMMUNE BIOMARKER MODULATION WITH CETUXIMAB AND MOTOLIMOD IN HEAD AND NECK CANCER (HNC)
Gulidanna Shayan, Benjamin Kansy, Sandra Poveda, Raghvendra Srivastava, James Kyle Bryan, MD, Robert Hershberg, MD, PhD, Robert L. Ferris, MD, PhD; 1School of Medicine, Tsinghua University, Beijing, China, 2Department of Otolaryngology University Hospital Essen, Germany, 3Department of Otolaryngology, University of Pittsburgh, Pittsburgh, PA, USA, 4VentiRx Pharmaceuticals

P444 ROLE OF ADJUVANT THERAPY FOR AN UNKNOWN PRIMARY MANAGED BY INTRANSORAL ROBOTIC SURGERY (TORS)
Sapna A Patel, MD, Aarthi Parvathaneni, Upendra Parvathaneni, Ron J Karmi, MD, Eduardo Méndez, MD, MS; 1University of Washington, 2Interlake High School, 3University of Texas at Houston

P445 A MODULAR POLYMER PLATFORM THAT DELIVERS RECOMBINANT CYTOKINES AND CISPLATIN ALLOWS FOR DE-ESCALATION OF RADIATION THERAPY IN AN ANIMAL MODEL OF HEAD AND NECK SQUAMOUS CELL CARCINOMA
Maie St. John, Jon Mallen St. Clair, Fernando Palma Diaz, MD, Benjamin Wu, DDS, PhD; UCLA

P446 LONGTERM RESULTS OF COMBINED CHEMO-RADIATION THERAPY VERSUS OPERATIVE THERAPY IN ADVANCED ORO- AND HYPOPHARYNX CANCER
Hans J Welkoborsky, MD, DDS, PhD, H Zander, MD, Lothar Bauer, MD, Melke Ricke; Dept of Otorhinolaryngology, Head and Neck Surgery, Nordstadt Clinic - Academic Hospital, Hannover, Germany

P447 OUTCOMES OF INDUCTION CHEMOTHERAPY FOR HEAD AND NECK CANCER PATIENTS
Szu-Yuan Wu, MD, MPH, Kuan-Chou Lin, Tsung-Ming Chen, Sheng-Po Yuan; 1Department of Radiation Oncology, Taipei Medical University - Wan Fang Medical Center, 2Department of Oral and Maxillofacial Surgery, Wan Fang Hospital, Taipei Medical University, Taipei, Taiwan, 3Department of Otorhinolaryngology, Wan Fang Hospital, Taipei Medical University, Taipei, Taiwan

P448 POST OPERATIVE RADIOTHERAPY FOR ADVANCED-STAGE LARYNGEAL CANCER: A STAGE SPECIFIC SURVIVAL ANALYSIS
Brian P Cervenka, Shyam Rao, Donald G Farwell, Arnaud F Bewley; University of California, Davis

P449 METHODOLOGY OF MOST SIGNIFICANT CUT-OFF LEVEL SUBSTANTIALLY IMPROVES THE OUTCOME PROGNOSIS IN SCCHNC PATIENTS TREATED BY RADIATION WITH OR WITHOUT CHEMOTHERAPY
Krzysztof Sklodowski, MD, PhD, Lukasz Boguszewicz, Agata Hajduk, Alicja Heyda, Andrzej Wygodzka, Tomasz Rutkowski, Maria Sokol; Institute of Oncology, Maria Sklodowska-Curie Memorial Cancer Center in Gliwice, Poland

P450 RADIATION THERAPY IN HEAD AND NECK MELANOMA: THE UCLA EXPERIENCE
Christine M Kim, MD, Edward C Kuan, MD, John W Frederick, MD, Maie A St. John, MD, PhD; University of California-Los Angeles

P451 CISPLATIN-INDUCED OTOTOXICITY IN HEAD AND NECK CANCER: THE PATTERNS AND PREDICTION
Chiaki Suzuki, MD, Morimasa Kitamura, MD, PhD, Ichiro Tateya, MD, PhD, Shigeru Hirano, Satoshi Morita, PhD, Koichi Oomori, MD, PhD, Norio Yamamoto, MD, PhD; 1Department of Otolaryngology-Head & Neck Surgery, Kyoto University Graduate School of Medicine, 2Department of Biomedical Statistics and Bioinformatics, Kyoto University Graduate School of Medicine
P452 ORAL UFUR IN ADVANCED ORAL CANCER
Ming-yu Hsieh, Mu-Kuan Chen; changhua christian hospital, Taiwan

P453 INTERIM REPORT OF RESULTS OF HYPOFRACTIONATED STEREOTACTIC CYBERKNIFE RADIOThERAPY OF SINGLE SETTING OR FOLLOWED BY CHEMOTHERAPY FOR PRIMARY SQUAMOUS CELL CANCER OF THE UPPER AERODigestIVE TRACT.
Masao Toji, MD, Shin-ichiro Miyazaki, MD; Shin-yurigaoka General Hospital

P454 CURATIVE-INTENT AGGRESSIVE THERAPY FOR ELDERLY LOCALLY ADVANCED HEAD AND NECK CANCER PATIENTS WITH HIGH COMORBIDITY INDEX: IS IT WORTH AGGRESSIVE THERAPY?
Szu-Yuan Wu1, Sheng-Po Yuan2, Kuan-Chou Lin2, Tsung-Ming Chen2, Fei-Peng Lee3, Ming-Tang Lai3, Chia-Che Wu2, Shing-Hwa Liu4; 1Department of Radiation Oncology, Wan Fang Hospital, Taipei Medical University, Taipei, Taiwan, 2Department of Oral and Maxillofacial Surgery, Wan Fang Hospital, Taipei Medical University, Taipei, Taiwan, 3Department of Otorhinolaryngology, Wan Fang Hospital, Taipei Medical University, Taipei, Taiwan, 4Institute of Toxicology, College of Medicine, National Taiwan University, Taipei, Taiwan

P455 EWING SARCOMA OF THE HEAD AND NECK: THE MAYO CLINIC EXPERIENCE
Michael D Olson, MD, Kathryn M Van Abel, MD, Eric J Moore, MD; Mayo Clinic

P456 STEREOTACTIC BODY RADIOTHERAPY AS PRIMARY TREATMENT FOR MEDICALLY INOPERABLE HEAD AND NECK CANCER
Maged Ghaly, MD, Kevin Kelley, MD, Mihaela Marrero, Anurag Sharma, Kristin Beadle, Rona Racareanu, Vinh Nguyen, MD, Doru Paul, MD; Hofstra Northwell School of Medicine

P457 LOCAL CONTROL AND INTERMEDIATE TERM COSMETIC OUTCOME FOLLOWING IMRT FOR NASAL TUMORS
Yuki Sasaki, Dr1, Stefan Janssen1, Christoph Glanzmann1, David Holzmann2, Gabriela Studer2; 1Radiation Oncology, University Hospital Zurich, 2Department of Otorhinolaryngology, Head and Neck Surgery, University Hospital Zurich

P458 PRESURGICAL CHEMOTHERAPY FOR SQUAMOUS CELL CARCINOMA OF THE TONSIL
T R Loree, Chairmman1, J Kim, Resident1, M S Burke, Attending, Surgeon1, S R Popat, Attending, Surgeon1, J T Loree, BA1, D Ford, PA1, J Dhillon, Attending, Oncologist1, M Ahmed, Director, of, Oncology1, M Duff, Radiation, Oncologist1, D Shah, Radiation, Oncologist2, R Patil, Attending, Oncologist2; 'Erie County Medical Center, “Cancer Care of WNY

P459 A COMPARATIVE ANALYSIS OF INTRINSIC SUSCEPTIBILITY TO ONCOLYTIC VIRAL THERAPY BETWEEN HEAD AND NECK SQUAMOUS CELL CARCINOMA AND NON SMALL CELL LUNG CARCINOMA: AN EX VIVO PRECLINICAL TRIAL.
Matthew Hearn, MB, BAO, BCh, Jim Dimitroulakos, PhD, P. James Villeneuve, MD, Stephanie Johnson-Obaseki, MD, MPH; The University of Ottawa

P460 RESPONSE TO INDUCTION CHEMOTHERAPY AS THE PREDICTOR OF RESPONSE TO CONCURRENT CHEMORADIATION FOR HEAD AND NECK CANCER: A SYSTEMATIC REVIEW AND META-ANALYSIS
Kimberley L Kiong, MBBS, MMEd, Nurun Nisa de Souza, MD, MPH, Rehana Sultana, MSc, Statistics, Gopalakrishna N Iyer, MBBS, PhD, FRCSed, FAMS; Singhealth

P461 RENAL PROTECTIVE EFFECT OF A HYDRATION SUPPLEMENTED WITH MAGNESIUM IN PATIENTS RECEIVING CISPLATIN FOR HEAD AND NECK CANCER
Takahiro Kimura1, Taijiro Ozawa2, Nobuhiro Hanoi3, Hitoshi Hirasawa4, Hidenori Suzuki5, Yasuhisa Hasegawa6; 1Department of Otolaryngology-Head and Neck Surgery, Nara Medical University, 2Department of Otolaryngology-Head and Neck Surgery, Nara Medical University, 3Department of Oto-Rhino-Laryngology, Toyohashi Municipal Hospital, 4Department of Head and Neck Surgery, Aichi Cancer Center Hospital, 5Department of Otorhinolaryngology, Head and Neck Surgery, Ryukyu University

P462 STRATEGIC LOCAL CONTROL OF INOPERABLE REFRACATORY THYROID CANCER BY STEREOTACTIC ROBOTIC RADIO-SURGERY CYBERKNIFER.
Masao Toji, Shin-ichiro Miyazaki; Shin-yurigaoka General Hospital

P463 CONCURRENT INTRA-ARTERY CHEMOTHERAPY AND SIMULTANEOUS IN-FIELD BOOST BY RADIATION THERAPY FOR ADVANCED HEAD & NECK CANCER
Stephen W Leung, MD, Li Chu Pei, MD, Kam Wing Leung, MD, Guan Cheng Huang, MD, Chiueng Yu Chen; Yuan” General Hospital
**Poster Listing**

**P464 OUTCOMES FOR PATIENTS WITH N3 HEAD AND NECK SQUAMOUS CELL CARCINOMA TREATED WITH CONCURRENT DEFINITIVE CHEMO-RADIATION.**  
Rafi Kabarriti, Nitin Ohri, MD, Thomas Ow, Andrew Tassler, Stuart Packer, Bradley Schi, Richard Smith, Missak Haigentz, Chandan Guha, Shalom Kalnicki, Madhur K Garg; Montefiore Medical Center

**P465 DETERMINATION OF EXPRESSION OF EGFR IN PREMALIGNANT AND MALIGNANT LESIONS OF THE ORAL CAVITY AND EVALUATING THE ROLE OF gefitinib in EGFR POSITIVE LESIONS**  
Umesh Velu, Dr1, Awdesh K Dixit, Dr2, Shambu N Prasad2; 1All India Institute of Medical Sciences( AIIMS), New Delhi, 2J K Cancer Institute Kanpur

**P466 ORGAN-PRESERVING COMBINED TREATMENT OF ORO-PHARYNGEAL CARCINOMAS - SURGERY AND CHEMOTHERAPY TPF.**  
Natalya Sukortseva, Igor Reshetov; I.M.SCHENNOV FIRST MOSCOW STATE MEDICAL UNIVERSITY

**P467 INHIBITION OF WNT SIGNALING SENSITIZES HEAD AND NECK SQUAMOUS CELL CARCINOMA CELLS TO RADIATION THERAPY**  
Vicky Yamamoto, PhD, David S Thylur, BA, Michael Bauschard, MS, Uttam K Sinha, MD; Keck School of Medicine of USC

**P468 MANAGEMENT OF ELDERLY PATIENTS WITH ADVANCED HEAD AND NECK SQUAMOUS CELL CARCINOMA: DOES AGGRESSIVE TREATMENT RESULT IN BETTER OUTCOMES?**  
Jia Hui Jang1, Thakshayeni Skanthakumar1, Weining Wang1, Ngian Chye Tan4, Gopalakrishna N Iyer6; 1Singapore Health Services, 2Division of Surgical Oncology, National Cancer Centre Singapore, 3Duke-NUS Graduate Medical School, 4SingHealth Duke-NUS Head & Neck Centre

**P469 CLINICAL ANALYSIS OF SMALL CELL CARCINOMA IN THE HEAD AND NECK REGION**  
Ryunosuke Kogo, Torahiko Nakashima, Hideoki Uryu, Ryuij Yasumatsu, Takashi Nakagawa; Kyushu University

**P470 EXPRESSION OF TRANSFORMING GROWTH FACTOR BETA-1 DURING WOUND HEALING IN FRACTIONATED RADIATION-INDUCED SKIN UCERATIONS IN VIVO**  
Stefania Goncalves, MD, Esperanza Bas, PhD, Christine Dinh, MD, Si Chen, MD, Kyle Padgett, PhD, Perry Johnson, PhD, Zoukaa Sargi, MD, MPH, Jason Leibowitz, MD, Andrew Rivera, MD, Chetan S Navak, MD; University of Miami

**P471 MULTIFOCAL HPV-ASSOCIATED SQUAMOUS CELL CARCINOMA OF THE HEAD AND NECK: A CASE REPORT OF THREE SYNCHRONOUS MALIGNANCIES WITH COMPLETE METABOLIC RESPONSE TO INDUCTION CHEMOTHERAPY**  
David J Phillips, MD, Yuna C Larrabee, MD, R. Wais Rahmati, MD; Columbia University Medical Center

**P472 LONG TERM (MORE THAN FIFTY TO SIXTY YEARS AFTER) HEAD AND NECK SIDE EFFECTS OF RADIOTHERAPY GIVEN DURING CHILDHOOD FOR NON-ONCOLOGIC INDICATIONS.**  
Carlos S Duque, MD1, Alvaro Escobar, MD2, Mercedes Ceron, MD, Diana P Perez, MD1, Marcela Marulanda, MD, Carolina Soto, MD, David Gomez, MD; 1Hospital Pablo Tobon Uribe/Cancerlogia, 2Ces Cardiologia, 3Clinica El Rosario El Tesoro, 4Hospital Militar Medellin, 5Clinica Soma, 6Hospital Militar Bogota, 7Hospital Manuel Uribe Angel

**P473 POST-RADIATION PRIMARY MYXEDEMA CAUSING ACUTE AIRWAY OBSTRUCTION**  
Alice L Tang, MD1, Daniel Nygren1, Keith Casper2, Michelle Mierzwa1, Jonathan Mark, MD; 1University of Cincinnati, 2University of Michigan

**P474 ANTIBODY DRUG CONJUGATES FOR THE TREATMENT OF ANAPLASTIC THYROID CANCER**  
Jae Wook Kim, MD1, Hwi Jung Na1, Yeon Ju Yang, PhD1, Myung Jin Ban, MD1, Hyung Kwon Byon, MD1, Won Shik Kim, MD, MD2, Hyun Jun Hong, MD, PhD; 1Soonchunhyang University College of Medicine, South Korea, 2Yonsei University College of Medicine, South Korea, 3Kwandong University College of Medicine, South Korea

**P475 COMBINED TREATMENT OF OROFACIAL SQUAMOUS CELL CARCINOMA INCLUDING CHEMOTHERAPY AND SURGERY**  
Natalia Sukortseva, Igor Reshetov; I.M.SCHENNOV FIRST MOSCOW STATE MEDICAL UNIVERSITY

**P476 PEDIATRIC FOLLICULAR LYMPHOMA IN GOOD PROGNOSIS WITH A “WATCH AND WAIT” STRATEGY AFTER COMPLETE RESECTION**  
So Yoon Lee1, Kwang Il Kim, PhD1, Suhee Park2; 1CHA Bundang Medical Center, CHA University, 2Seoul National University
Poster Listing

Hospital, Center for Health Promotion and optimal aging

**P477 METASTASIS IN NECK OF CLEAR CELL RENAL CARCINOMA. A RARE CASE**
Andrés C Limardo, Emilio Soza, Adrian Ortega, Ruben Padin; Hospital Prof. A. Posadas

**OROPHARYNX**

**P478 TRANORSAL ROBOTIC SURGERY AND CONCURRENT, THERAPEUTIC LEVEL II-IV SELECTIVE NECK DISSECTION IS SAFE AND EFFICACIOUS FOR THE TREATMENT HPV+ OROPHARYNGEAL SQUAMOUS CELL CARCINOMA**
Ashish Patel, MD, DMD1, Rom Leidner, MD1, Felix Sim, MD, DDS1, Yedehe Ying, MD, DMD1, Marka Crittenden, MD, PhD1, Steven Seung, MD, PhD1, Eric Dierks, MD, DMD, FACS2, R. Bryan Bell, MD, DDS, FACS2; 1Providence Oral, Head and Neck Cancer Program and Clinic, Providence Cancer Center, Portland, Oregon, 2The Oregon Clinic, Portland, Oregon, 3The Head and Neck Institute, Portland, Oregon

**P479 SINGLE INSTITUTION RESULTS OF HIGH QUALITY, NARROW-MARGIN IMRT WITH CONCURRENT CDDP-BASED CHEMOTHERAPY FOR STAGE III-IVB, RISK STRATIFIED OROPHARYNGEAL SQUAMOUS CELL CANCER**
J F Greskovich, MD, MBA, N M Woody, N P Joshi, B Burkey, J Scharpf, R Lorenz, E Lamarre, T Nwizu, N Houston, B Harr, J Bodman, D Ives, M Rahe, D J Adelstein, S A Koyfman; Cleveland Clinic

**P480 TRANSORSAL ENDSOCOPIC ASSISTANT ARTICULATED SURGERY - TEAS, A COST-EFFECTIVE ALTERNATIVE TO TRANSORAL ROBOTIC SURGERY**
Daniel A O’Connell, MD, MSc1, Jeffson Chung, MD1, Hadi Seikaly, MD, MAL1, Jeffrey R Harris, MD, MA1, Vincent Biron, MD, PhD1, Luke Rudmik, MD, MHEC2; 1University of Alberta, 2University of Calgary

**P481 TRANSORSAL ROBOTIC ASSISTED APPROACH TO THE CARCINOMA OF UNKNOWN PRIMARY**
Kyle M Hatten, MD1, Andres M Bur, MD1, Benjamin L Hodnett1, Mihir R Patel, MD2, Bert W O’Malley, MD1, Ara A Chalian, MD1, Christopher H Rasskek, MD1, Steven B Cannady, MD1, Jason G Newman, MD1, Kathleen Montone1, Virginia Livolsi, MD1, Alexander Lin1, Gregory S Weinstein, MD1; 1Hospital of the University of Pennsylvania, 2Emory University

**P482 TRANSORSAL RESECTION BY TRANSORSAL VIDEOLARYNGOSCOPIC SURGERY (TOVS) FOR OROPHARYNGEAL CANCER**
Kenji Okami, MD, PhD1, Akihiro Sakai, MD, PhD1, Koji Ebisumo, MD, Fuku Shimizu, MD; Tokai University

**P483 TRANSCERVICAL ARTERIAL LIGATION MAY PREVENT SEVERE POSTOPERATIVE HEMORRHAGE AFTER TRANSORSAL ROBOTIC SURGERY**
Mark Kubik, MD1, Rajarsi Mandal, MD1, William G Albergotti, MD1, Robert L Ferris, MD, PhD1, Umamaheswar Duvvuri, MD, PhD1, Seungwon Kim, MD1; 1The University of Pittsburgh Medical Center, 2Memorial Sloan Kettering Cancer Center

**P484 PROGNOSTIC SIGNIFICANCE OF SARCOPENIA IN PATIENTS WITH ADVANCED STAGE OROPHARYNGEAL CANCER**
Nauman F Manzoor, MD, Stephen Leb, BS, Kate Clancy, BA, Sami Melki, MD, Michael Gibson, MD, PhD, Min Yao, MD, PhD, Rod Rezaee, MD, Nicole Fowler, MD, Pierre Lavertu, MD, Chad Zender, MD; University Hospitals Case Medical Center

**P485 CYCLIN D1 IS A POOR PROGNOSTIC MARKER FOR HPV-NEGATIVE OROPHARYNGEAL SQUAMOUS CELL CARCINOMA**
XJ David Lu, BScHons2, YP Kelly Liu, BSc2, Rosilene Soares, PhD1, Cindy Cui2, John Wu, MD1, Catherine Poh, DDS, PhD, FRCD(C); 1University of North Carolina Cancer Research/Agency Centre

**P486 A COMPARISON OF THE DIAGNOSTIC UTILITY OF PET-CT IN HPV-POSITIVE AND HPV-NEGATIVE SQUAMOUS CELL CARCINOMA OF THE OROPHARYNX**
James M Taylor, BS, Eunice Yim, BS, Angela Mazul, PhD, Nidia Rodriguez, MD, MPH, Samip Patel, MD, Trevor Hackman, MD, Mark Weissler, MD, Bhishamjit Chera, MD, Terence Wong, MD, PhD, Jose P Zevallos, MD, MPH; The University of North Carolina School of Medicine

**P487 VALIDATION OF TYPE-SPECIFIC SERUM ANTIBODIES TO ONCOPROTEINS IN PATIENTS WITH HUMAN PAPILLOMAVIRUS ASSOCIATED OROPHARYNGEAL SQUAMOUS CELL CANCER**
Martina A Broglie, MD1, Dana Holzinger, PhD2, Angelika Michel, DVM2, Tim Waterboer, PhD2, Wolfram Jochum, MD1, Diana Foerbs3, René Schoenegg, MD1, Sandro J Stoeckli, MD1, Michael Pawlita, MD1; 1Ades University, 2University of Zurich, 3University of Basel
Poster Listing

P488 TRANSORAL ENDOSCOPIC HEAD AND NECK SURGERY FOR MINOR SALIVARY GLAND TUMORS OF THE OROPHARYNX
David W Schoppy, MD, PhD1, Michael E Kupferman, MD, FACSS1, Amy C Hessel, MD1, Diane C Bell, MD, PhD1, Elizabeth M Garland, PAC1, Edward J Damrose, MD, FACSS1, F Christoper Holsinger, MD, FACS1; 1Stanford University, 2The University of Texas MD Anderson Cancer Center

P489 STEP SERIAL SECTIONING OF TRANSORAL ROBOTIC TONGUE BASE MUCOSECTOMY SPECIMENS: A STRATEGY TO INCREASE TUMOUR DETECTION RATES IN CARCINOMA OF UNKNOWN PRIMARY.
Cameron R Davies-Husband, MBBS, FRCS, Max Robinson, FRCPath, Vinidh Paleri, MS, FRCS; Freeman Hospital, Newcastle upon Tyne, United Kingdom

P490 LEVEL OF CONCORDANCE BETWEEN P16 IMMUNOHISTOCHEMICAL STAINING AND HUMAN PAPILLOMA VIRUS IN-SITU HYBRIDIZATION IN OROPHARYNGEAL CANCERS - A SINGLE INSTITUTION RETROSPECTIVE CHART REVIEW STUDY.
Nagasheer Seetharamu, MD, Doru Paul, MD, Douglas Frank, MD, Steven Savona, MD, Dev Kamdar, MD, Benjamin Saltman, MD, John Fantasia, MD, Maged Ghaly, MD, Aine Donohue, Beth Sferrazza, Sewit Teckie, MD; Northwell Health

P491 INDUCTION CHEMOTHERAPY FOR P16-POSITIVE OROPHARYNGEAL CANCER
Yuhi Saijo, Mizuo Ando, MD, PhD, Go Omura, MD, Kazuo Yasuhara, MD, Masaumi Yoshida, MD, PhD, Tastuya Yamasoba, MD, PhD; University of Tokyo

P492 ADENOID CYSTIC CARCINOMA OF THE BASE OF TONGUE: A POPULATION BASED STUDY
Diana N Kirke2, Chandala Chitguppi1, Samuel J Rubin1, Minh T Truong1, Scharukh Jalisi2; 1Maulana Azad Medical College, New Delhi, Delhi, India, 2Boston Medical Center

P493 ASSOCIATION OF PRETREATMENT BODY MASS INDEX AND SURVIVAL IN HUMAN PAPILLOMA VIRUS-POSITIVE OROPHARYNGEAL SQUAMOUS CELL CARCINOMA
William G Albergotti, MD, Robert L Ferris, MD, PhD; University of Pittsburgh Medical Center

P494 PATTERNS OF NECK METASTASIS IN P16 POSITIVE AND NEGATIVE OROPHARYNGEAL SQUAMOUS CELL CARCINOMA
Jessica Clark, MSc, MD1, Han Zhang1, Scott Murray, MD1, Peter T Dziegielewski, MD, FRCS1, Vincent L Biron, MD, PhD, FRCS1, Daniel A O’Connell, MD, MSc, FRCS1, Jeffrey R Harris, MD, MHA, FRCS1, David J Cote, MD, MPH, CCPF, FRCS1, Khalid Ansari, MD, MMed, FRCS1, Hadi Seikaly, MD, MLA, FRCS1; 1University of Alberta, Division of Otolaryngology-Head and Neck Surgery, 2University of Florida, Department of Otolaryngology-Head and Neck Surgery

P495 DECISION MAKING IN TORS FOR OROPHARYNGEAL SQUAMOUS CELL CARCINOMAS: WHAT IS AN ACCEPTABLE TRI-MODALITY TREATMENT RATE?
Ashley J Hay, MBChB, FRCS, MSc, Jocelyn Migliacci, MA, Daniel Karassawa Zanoni, MD, Hilda E Stambuk, MD, Shrujal S Baxi, MD, MFP, Sean M McBride, MD, Jay Boyle, MD, Bhuvanesh Singh, MD, PhD, Richard J Wong, MD, Snehal G Patel, MD, Ian Ganly, MD, PhD; Memorial Sloan Kettering Cancer Center

P496 EVALUATION OF EXTRINSIC TONGUE MUSCLE INVOLVEMENT AS THE SOLE CRITERION FOR A T4A DESIGNATION IN SQUAMOUS CELL CARCINOMA OF THE BASE OF TONGUE
Adam R Coughlin, MD, Christopher J Britt, MD, Gregory K Hartig, MD; University of Wisconsin

P497 CLINICOPATHOLOGIC CHARACTERISTICS AND OUTCOMES OF RECURRENT OROPHARYNGEAL SQUAMOUS CELL CARCINOMA
Chase M Heaton, Karina Yu, Sarah Calkins, Jonathan R George, William R Ryan, Steven J Wang; University of California - San Francisco

P498 THE EFFECT OF SURGICAL MARGINS ON DISEASE-SPECIFIC SURVIVAL IN PATIENTS WITH OROPHARYNGEAL SQUAMOUS CELL CARCINOMA
Sherif Idris, MD, BSc1, Brittany Barber, MD, BSc1, Renald A Messner, PhD2, Tang Kung, MD, BSc1; 1University of Michigan, 2Memorial Sloan-Kettering Cancer Center
FRCSC1; ‘Division of Otolaryngology - Head and Neck Surgery, Department of Surgery, University of Alberta, Edmonton, Alberta, Canada, ‘Department of Undergraduate Medical Education, Faculty of Medicine and Dentistry, University of Alberta, Edmonton, Alberta, Canada

P499 ORAL HUMAN PAPILLOMAVIRUS INFECTION AMONG HIV INFECTED INDIVIDUALS IN MBINGO, CAMEROON
Eleni M Rettig, MD1, Zhen Gooi, MBBS2, Everistus Acha, MD2, Wayne Koch, MD1; ‘Johns Hopkins University School of Medicine, ‘University of Chicago Medicine, ‘Mbingo Baptist Hospital

P500 PROGNOSTIC SIGNIFICANCE OF EXTRACAPSULAR SPREAD, PERINEURAL AND LYMPHOVASCULAR INVASION IN PATIENTS WITH HPV AND NON-HPV RELATED OROPHARYNGEAL SQUAMOUS CELL CARCINOMA.
Robert Borucki1, Shaun A Nguyen1, Elizabeth Nicoll1, Shaum Sridharan2, Terry A Day1; ‘Medical University of South Carolina, ‘University of Chicago Medicine, ‘Mayo Clinic

P501 TRANSORAL ROBOTIC SURGERY USING THE MEDROBOTICS FLEX SYSTEM: INITIAL NORTH AMERICAN EXPERIENCE
Umamaheswar Duvvuri, MD, PhD, Mathew Geltzeiler, MD; University of Pittsburgh Medical Center

P502 PATTERNS OF RECURRENT IN HEAD AND NECK SQUAMOUS CELL CARCINOMA (HNSCC) PATIENTS TREATED DEFINITIVELY WITH UPFRONT NECK DISSECTION VERSUS CHEMORADIATION
Pai Yuan Fong1, Thomas Loh2, Chwhee Ming Lim2; ‘Yong Loo Lin School of Medicine, National University of Singapore, ‘Department of Otolaryngology- Head and Neck Surgery, National University Health System, Singapore

P503 NEXT-GENERATION, FLEXIBLE ROBOTIC SURGICAL SYSTEM FOR TRANSORAL RESECTION OF THE TONGUE-BASE: 3 INSTRUMENTS AND FLEX CAMERA IMPROVES CONTROL OF THE LINGUAL ARTERY
Michelle Chen1, Gilchait Lim2, F Christopher Holsinger1; ‘Stanford University School of Medicine, ‘Jeju National University School of Medicine

P504 PROGNOSTIC VALUE OF ALDH POLYMORPHISM IN JAPANESE PATIENTS WITH OROPHARYNGEAL CANCER
Hirotaka Shinomiya, Hirtomi Shinomiya, Naoki Otsuki, Ken-ichi Nibu; Kobe University Hospital

P505 EFFICACY OF THE ANTIVIRAL AGENT CIDOFOVIR TO INHIBIT THE GROWTH OF HPV-POSITIVE AND -NEGATIVE HEAD AND NECK SQUAMOUS CELL CARCINOMAS IN VITRO
Ernst Jan M Speel, PhD, Femke Verhees, MSc, Robin Jacobs, BSc, Iris Cornet, PhD, Bernd Kremer, MD, PhD; Maastricht University Medical Center

P506 RADIAL FOREARM FREE FLAP RECONSTRUCTION IN PATIENTS WITH T4 OROPHARYNGEAL CANCER: FUNCTIONAL AND ONCOLOGIC OUTCOMES
John R Sims, MD, Eric J Moore, MD; Mayo Clinic

P507 SECOND PRIMARY TUMOR IN PATIENTS WITH HEAD AND NECK CANCER, FEBRUARY 2003-JULY 2015 , SALUD INTEGRAL HOSPITAL , MANAGUA, NICARAGUA
Fi Medrano1, G Perez2, Le Morin1, G Barrios1; ‘Salud Integral Hospital, ‘Carlos Roberto Huembes Hospital

P508 HUMAN PAPILLOMAVIRUS AND SURVIVAL OF THE PATIENTS WITH OROPHARYNGEAL CANCER IN HOKKAIDO, JAPAN
Takatsugu Mizumachi, Akihiro Homma, Tomohiro Sakashita, Satoshi Kano, Hiromitsu Hatakeyama, Satoshi Fukuda; Hokkaido University Graduate School of Medicine Department of Otolaryngology, Head and Neck Surgery

P509 THE DIAGNOSTIC PATHWAY OF OROPHARYNGEAL SQUAMOUS CELL CARCINOMA IN A LARGE INTEGRATED HEALTHCARE SYSTEM
Jason E Glide, MD1, Kevin H Wang, MD1, James Salazar1, Eleanor Yang1; ‘Kaiser Permanente Oakland Medical Center, Department of Head and Neck Surgery, ‘University of California San Francisco, School of Medicine

P510 SURGICALLY-BASED ACCURACY OF CT, MRI, AND PET-CT FOR ASSESSMENT OF RETROPHARYNGEAL LYMHP NODE METASTASIS IN SQUAMOUS CELL CARCINOMAS OF THE HEAD AND NECK
Il-Seok Park, Min Woo Park, Bumjung Park, Young-Soo Rho, Jin Hwan Kim; Department of Otorhinolaryngology-Head and Neck Surgery, Hallym University College of Medicine, Seoul, Korea
**Poster Listing**

**P511 IS TREATMENT OF THE CONTRALATERAL UNINVOLVED NECK NECESSARY IN HUMAN PAPILLOMA VIRUS (HPV) RELATED OROPHARYNGEAL SQUAMOUS CELL CARCINOMA?**
Brett Leavers, Dr, Nathan Essey, Dr, Julia A Crawford, Dr, Richard M Gallagher, Aprof; St Vincent's Hospital Sydney

**P512 ADVERSE CHILDHOOD EXPERIENCES ARE ASSOCIATED WITH THE RISK OF HEAD AND NECK SQUAMOUS CELL CARCINOMA: A PROSPECTIVE COHORT STUDY.**
Danielle Scarola, MS, Amy Y Chen, MD, JT Wadsworth, Mark W El-Deiry, MD, Timothy P Ryan, MD, Mihir R Patel, MD; Emory University School of Medicine

**P513 SERUM CYTOKINE PATTERNS IN HPV+ VERSUS HPV- OROPHARYNGEAL SQUAMOUS CELL CARCINOMA**
Tara Moore-Medlin, BS, Xiaohui Ma, MD, Jose M Flores, MPH, Christopher Haas, BS, MS, Maira Qayyum, BS, Vikas Mehta, MD, Cherie-Ann Nathan, MD; Johns Hopkins School of Medicine, Baltimore, MD, Louisiana State University Health Shreveport School of Medicine, Shreveport, Department of Otolaryngology-Head & Neck Surgery, University Health & LSU Health, Shreveport, LA

**P514 OUTCOMES IN PATIENTS WITH HUMAN PAPILLOMA VIRUS (HPV) - ASSOCIATED OROPHARYNGEAL SQUAMOUS CELL CANCER (OPSCC) AND NECK DISEASE THAT DECLINED ADJUVANT RADIATION AFTER NECK DISSECTION.**
Farzad Masroor, MD, Irwin Lee, MD, Bryan Fong, MD, Kevin Wang, MD, Deepak Gurushanthaiah, MD; Kaiser Permanente, Northern California

**P515 TRANSORAL ROBOTIC SURGERY USING THE DA VINCI XI SURGICAL ROBOTIC SYSTEM: EARLY CLINICAL EXPERIENCE IN FOURTEEN CASES**
Ameet K Grewal, MD, J. S Magnuson, MD, FACS, Yoon W Koh, MD, PhD, Julia Crawford, MD, Damien Sequeira, MD, Gil Chai Lim, MD, F. C Holsinger, MD, FACS; Department of Otolaryngology-Head and Neck Surgery, Stanford University School of Medicine, ‘Head and Neck Surgery Center of Florida, Florida Hospital Celebration Health, ‘Department of Otorhinolaryngology, Yonsei University, College of Medicine, ‘Department of Otolaryngology-Head and Neck Surgery, Jeju National University School of Medicine

**P516 “CANCER OF UNKNOWN PRIMARY” (CUP): AN INSTITUTIONAL EXPERIENCE OVER THE LAST DECADE REGARDING THE INFLUENCE OF P16 STATUS**
Michael F Schlumpf, MD, Joel R Gsponer, MD, Stephan K Haerle, MD; Department of Otolaryngology, Head and Neck Surgery and Microvascular Reconstruction, University Hospital Basel, Switzerland, Department of Pathology, University Hospital Basel, Switzerland

**P517 EVALUATION OF THE CLASSIFICATIONS FOR HPV-RELATED OROPHARYNGEAL CANCER**
Kiyomi Kuba, MD, Masashi Sugasawa, MD, PhD, Mitsuhiro Nakahira, MD, PhD, Yasunao Kogasiwa, MD, PhD, Yasuhiro Ebihara, MD, Kazuhiro Minami, MD; Saitama medical university international medical center

**P518 A PRIMARY SURGICAL APPROACH IMPROVES LOCOREGIONAL CONTROL OVER A NON-SURGICAL APPROACH FOR T1-T3 OROPHARYNX SQUAMOUS CELL CARCINOMA**
A Daniel Pinheiro, MD, PhD, MHA; Mercy Clinic

**P519 PATHOLOGICAL CHARACTERISTICS OF TRANSORALLY RESECTED TONSILLAR CANCER.**
Koji Ebisumoto, Kenji Okami; Tokai University

**P520 TRANSORAL ROBOTIC SURGERY WITH LASER (TORS-L) : OUTCOMES OF 50 OROPHARYNGEAL CASES**
Syed H Naqvi, MD, Jay K Ferrell, MD, Angel I Blanco, MD, Shan Guo, MD, Ron J Karni, MD; The University of Texas Health Science Center-Houston

**P521 COMPARISON OF HPV RATES AND DISEASE OUTCOME IN OPSCC AT A PUBLIC VERSUS PRIVATE HOSPITAL**
Tiffany V Wang, MS, Mark Swanson, MD, Jacob Lifton, BA, Clara Wang, BS, Juan Felix, MD, Niels Kokot, MD; Keck School of Medicine of University of Southern California, Department of Otolaryngology-Head and Neck Surgery, University of Southern California, Department of Pathology, University of Southern California

**P522 OROPHARYNGEAL CANCER: OUTCOMES FOR TRANSORAL ROBOTIC SURGERY VERSUS TRADITIONAL SURGICAL APPROACHES**
Mark S Swanson, MD, Tiffany Ho, BA, Laurel M Fisher, PhD, Uttam K Sinha, MD, Niels Kokot, MD; Keck School of Medicine, Department of Otolaryngology - Head and Neck Surgery, University of Southern California

July 16 - 20, 2016 - www.ahns.info 231
Poster Listing

P523 SENTINEL LYMPH NODE BIOPSY IN THE MANAGEMENT OF RECURRENT OROPHARYNGEAL CANCER AND THE CLINICALLY NO PATIENT: A NOVEL CLINICAL TECHNIQUE AND APPLICATION
Tiffany Peng, MD, David I Kutler, MD, Sara Taha, BA, Marc A Cohen, MD, MPH, Victoria E Banuchi, William I Kuhel, MD; Weill Cornell Medical College

P524 ASPIRIN USE AND SURVIVAL IN VETERANS WITH OROPHARYNGEAL CANCER
Catherine J Lumley, MD1, Thomas Kaffenberger2, Jessica H Maxwell, MD, MPH; 1Georgetown University Hospital, 2University of Pittsburgh School of Medicine

P525 TREATMENT, SURVIVAL, AND COSTS OF OROPHARYNGEAL CANCER CARE IN THE ELDERLY
Hyunseok Kang, MD, MPH, Harry Quon, MD, MS, Ana P Kiess, MD, PhD, Carole Fakhr, MD, MPH, Robert J Herbert, BS, David W Eisele, MD, Kevin D Frick, PhD, Christine G Gourin, MD, MPH; Johns Hopkins University

P526 ANALYSIS OF EXPRESSION AND LOCALIZATION OF HIPPO SIGNALS DETERMINANTS IN HPV POSITIVE OROPHARYNGEAL SQUAMOUS CELL CARCINOMA
Faisal Alzahrani; Dalhousie University

P527 STYLOID ELEPHANTIASIS - FIRST REPORTED CASE OF EAGLE SYNDROME PRESENTING AS PROGRESSIVE FACIAL PARALYSIS
Joshua P Weiss, MD, Juliet E Meir, Graham TWhitaker, MD, Peter T Dziegielewski, MD; University of Florida

P528 COMPARISON OF METASTATIC PATTERNS OF HPV-POSITIVE VERSUS HPV-NEGATIVE OROPHARYNGEAL SQUAMOUS CELL CARCINOMA
Tiffany V Wang, MS1, Changxing Liu, MD, Garren M Low, MS1, Daljit S Mann, BS1, Niels Kokot, MD1: ‘Keck School of Medicine of University of Southern California, ‘Department of Otolaryngology-Head and Neck Surgery, University of Southern California

P529 SURGICAL APPROACH TO THE TONSIL CANCER IN THE ERA OF HPV INFECTION
Yong Suu Choi, Kwang Jae Cho, Young Hoon Joo, Choung Soo Kim, Min Sik Kim; Department of Otolaryngology-Head and Neck Surgery, College of Medicine, The Catholic University of Korea

P530 ROLE OF ROBOT-ASSISTED NECK DISSECTION FOR OROPHARYNGEAL CANCER IN THE HPV ERA
Hyung Kwon Byeong, MD, PhD1, Ji-Hoon Kim, MD, PhD2, Jung Min Kim, MD, Jin Won Kim, MD, Dr, Byeong Il Choi, MD, Won Shik Kim, MD1, Jae Wook Kim, MD, Hyun Jun Hong, MD, PhD2, Yoon Woo Koh, MD, PhD2, Eun Chang Choi, MD, PhD1; ‘Department of Otorhinolaryngology, Yonsei University College of Medicine, ‘Department of Otorhinolaryngology, Soonchunhyang University College of Medicine, ‘Department of Otorhinolaryngology-Head & Neck Surgery, Catholic Kwandong University, International St. Mary’s Hospital

P531 SECONDARY SYPHILIS IN THE DIFFERENTIAL DIAGNOSIS OF HEAD AND NECK CANCER
Paloma Irizarry1, Christopher Ito1, Sandra Gomp3, Carlos Muro-Cacho2, Marion B Ridley1; 1University of South Florida Morsani College of Medicine, 2James A. Haley Veterans Hospital

P532 USABILITY OF P16 IMMUNOSTAINING IN THE DIAGNOSIS OF CERVICAL LYMPH NODE METASTASES FROM AN UNKNOWN PRIMARY HEAD AND NECK SQUAMOUS CARCINOMA
Hisayuki Kato, PhD, MD, Yusuke Hiei, MD, Takehiro Yui, PhD, MD, Kazuo Sakurai, PhD, MD, Kensei Naito, PhD, MD; Department of Otolaryngology, Fujita Health University, School of medicine

P533 INTERESTING CASE PRESENTATION OF UNUSUALLY ADVANCED PRESENTATION OF P16 POSITIVE OROPHARYNGEAL SQUAMOUS CELL CARCINOMA WITH CLINICAL QUESTION OF USE OF MICROVASCULAR FREE TISSUE TRANSFER IN AN EFFORT TO IMPROVE QUALITY OF LIFE
Erin R Hamersley, DO1, Robert H Lindau, MD1; 1Naval Medical Center Portsmouth, VA, 2University of Nebraska Medical Center

P534 INTERNAL MAXILLARY ARTERY COLLATERALS AND THE IMPORTANCE FOR TRANSORAL RESECTION OF OROPHARYNGEAL CARCINOMA
Juliana E Pesce, MD1, Elliot Abemayor, MD, PhD, Sunil A Sheth, MD1, Abie H Mendelsohn, MD2; ‘Department of Head and Neck Surgery, David Geffen School of Medicine at UCLA, Los Angeles, CA, USA, 2Division of Interventional Neuroradiology, University of California, Los Angeles, California, USA
<table>
<thead>
<tr>
<th>Poster Listing</th>
</tr>
</thead>
</table>
| **P535** OROPHARYNGEAL CANCER PRESENTING AS SHOULDER PAIN: A CASE REPORT  
Jonathan P Giurintano, MD1, Michael Martin, MD2, Glenn B Williams, MD3; 1University of Tennessee Health Science Center, 2West Cancer Center | **P542** A NEUROPROSTHETIC DEVICE FOR REANIMATION OF THE HEMIPARALYZED FACE  
Nate Jowett, MD1, Robert E Kearney, PhD1, Chris J Knox, BSc2, Robert A Gaudin, MD3, Tessa Hadlock, MD4; 1Dept. of Biomedical Engineering - McGill University, 2Dept. of Otolaryngology - Massachusetts Eye and Ear / Harvard Medical School |
| **P536** CASE REPORT: TRANSORAL ROBOTIC SURGERY AND SENTINEL LYMPH NODE BIOPSY IN OROPHARYNX SQUAMOUS CELL CARCINOMA  
Natasha Canovas, MD, Vergilius Neto, MD, Jorge Kim, MD, Tiago Valim, MD, Marco Aurelio Kulcsar, MD, PhD, Claudio Cernea, MD, PhD; University of Sao Paulo | **P543** FASCIO-CUTANEOUS FREE FLAPS RECONSTRUCTION AFTER SALVAGE TOTAL LARYNGECTOMY  
Francesca Del Bon1, Cesare Piazza, Alberto Paderno, Nausica Montalto, Valentina Taglietti, Alberto Grammatica, Piero Nicolai; Department of Otolaryngology - Head and Neck Surgery, University of Brescia, Brescia, Italy |
| **P537** IDENTIFICATION AND TREATMENT OF OCCULT SYNCHRONOUS HEAD AND NECK MALIGNANCIES  
John W Frederick, MD1, Allen Chen, MD2, Alen Cohen1, Walter Schroeder, MD3, Abie H Mendelsohn, MD4; 1UCLA Head and Neck Surgery, 2UCLA Radiation Oncology, 3Henderson, NV | **P544** A NOVEL APPLICATION OF INDOCYANINE GREEN ANGIOGRAPHY TO OPTIMIZE OUTCOMES IN THE RADIATED HEAD AND NECK PATIENT  
Ryan Winters, MD1, Christian P Hasney, MD2, Brian A Moore, MD3; 1Sunrise Health System, 2Ohio State University School of Medicine |
| **P538** A RARE CASE OF MASTICATOR SPACE HEMANGIOMA IN A YOUNG BOY: A 10-YEAR FOLLOW-UP  
Ning Ning Lee, MD, Chih-Yen Chien, Professor; Department of Otolaryngology, Kaohsiung Chang Gung Memorial Hospital, Taiwan | **P545** VENOUS COMPLICATIONS IN ONE VS TWO VEIN ANASTOMOSES IN HEAD AND NECK FREE FLAPS  
Sobia F Khaja, MD1, Lucy H Karmell, PhD2, Rodrigo Bayon, MD3; 1Medical University of South Carolina, 2University of Iowa |
| **P539** SYNCHRONOUS HPV-RELATED CANCER OF BILATERAL TONSILS  
Fukuko Shimizu, Bachelor of Medicine, Kenji Okami, PhD, Kouji Ebisumoto, PhD, Akiko Sakai, PhD, Masahiroya Iida, PhD; Tokai University | **P546** NAVIGATION GUIDANCE IMPROVES FREE-FLAP MANDIBLE RECONSTRUCTION: A CADAVERIC TRIAL.  
Richard A Harbison, MD1, Xiaofeng Shan, MD, DDS2, Zachary Douglas, BS3, Scott Bevans, MD4, Angelique Beres, MD5, Randall Bly, MD1, Yangming Li, PhD1, Blake Hannaford, PhD1, Kris S Moe, MD4, Neal D Futran, MD, DMD1, Jeffrey J Houlton, MD3; 1University of Washington, 2University of North Carolina, 3University of Iowa, 4University of Pennsylvania, 5University of Pennsylvania School of Medicine |
| **P540** PREDICTORS AND COSTS OF 30 DAY UNPLANNED READMISSIONS IN HEAD AND NECK FREE FLAP SURGERY  
Dustin Lang, MD, Michael Baskin, MD, Raja Sawhney, MFA, Brian J Boyce, MD, Dzegielewski T Peter, MD, FRCS; University of Florida | **P547** DONOR AND RECIPIENT SITE CHARACTERISTICS AS PREDICTORS OF POSTOPERATIVE COMPLICATIONS IN FREE FLAP RECONSTRUCTION FOR HEAD AND NECK CANCER  
Ernest D Gomez, MD, MTR1, Robert M Brody, MD1, Jason G Newman, MD2, Steven B Cannady, MD3; 1Hospital of the University of Pennsylvania, 2Pennsylvania Hospital |
| **P541** EFFECT OF DE-ESCALATION OF LEVEL OF POSTOPERATIVE CARE ON HEAD AND NECK FREE FLAP OUTCOMES  
Brittany E Howard, MD1, Andrew K Pappa, MS1, Trevor G Hackman, MD1, Jose P Zevalloos, MD, MPH1, Mark C Weissler1, Samip N Patel, MD1; 1Department of Otolaryngology - Head and Neck Surgery University of North Carolina, 2University of North Carolina School of Medicine | **P548** ROLE OF PREOPERATIVE (CHEMO)-RADIATION IN HEAD AND NECK RECONSTRUCTION: RETROSPECTIVE SERIES AND PROSPECTIVE HISTOPATHOLOGIC STUDY  
Cesare Piazza1, Valentina Taglietti1, Francesca Del Bon1, Alberto Paderno1, Nausica Montalto1, Alberto Grammatica1, Marco Schiavo Lena2, Laura Morassi3, Lorenzo Bresciani4, Raimondo |
<table>
<thead>
<tr>
<th>Poster Listing</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>P550</strong> PERIOPERATIVE CARDIOVASCULAR COMPLICATIONS IN PATIENTS UNDERGOING HEAD AND NECK FREE FLAP RECONSTRUCTION. Peter J Ciolek, MD, Rhorie P Kerr, MD, Eric D Lamarre, MD; Cleveland Clinic Foundation</td>
</tr>
<tr>
<td><strong>P551</strong> PERIOPERATIVE ANTIBIOTIC PROPHYLAXIS IN HEAD AND NECK ONCOLOGIC SURGERY REQUIRING MICROVASCULAR FREE TISSUE TRANSFER: A MULTI-INSTITUTIONAL REVIEW Joshua B Greene, MD, Tamer Ghanem, MD, Mark Wax, MD, Jeremy Richmond, MD, Urjaet Patel, MD, Matthew Hanasono, MD, Yelizaveta Shnayer, MD, Joshua Hornig, MD; Henry Ford Health System, Johns Hopkins University, Northwestern University, The University of Texas MD Anderson Cancer Center, University of Kansas Medical Center, Medical University of South Carolina</td>
</tr>
<tr>
<td><strong>P552</strong> MOVING BELOW THE CLAVICLE: MICROVASCULAR RECONSTRUCTION OUTSIDE THE HEAD AND NECK BY THE HEAD &amp; NECK SURGERY SERVICE Lauren B Moneta, MD, Javier Gonzalez-Castro, MD, Scott Troob, MD, James B Hayden, MD, PhD, Mark K Wax, MD, FACS; Oregon Health and Science University</td>
</tr>
<tr>
<td><strong>P553</strong> SURGICAL OUTCOMES OF PRIMARY VERSUS SECONDARY ENDOSSEOUS IMPLANTATION AFTER FIBULAR FREE TISSUE RECONSTRUCTION OF THE MANDIBLE FOR OSTEORADIONECROSIS Deanna C Menapace, MD, Kathryn M Van Abel, MD, Kevin Arce, MD, Erin J Moore, MD; Mayo Clinic</td>
</tr>
<tr>
<td><strong>P554</strong> DURATION OF ANTIBIOTIC PROPHYLAXIS IN HEAD AND NECK FREE FLAP PATIENTS: A META-ANALYSIS Yarah M Haidar, Hossein Mahboubi, Julie A Goddard; University of California - Irvine, Medical Center</td>
</tr>
<tr>
<td><strong>P555</strong> SUBMENTAL ISLAND FLAP RECONSTRUCTION IN ORAL CAVITY CANCER PATIENTS WITH LEVEL I LYMPH NODE METASTASIS Pichit Sittitrapi, MD, Chonticha Siriwanitchapoom, MD, Donyarat Ruenmarkkaew, MD, Kedsaraporn Yata, MD; Chiang Mai university hospital, Phayao Hospital</td>
</tr>
<tr>
<td><strong>P556</strong> OSTEOCUTANEOUS RADIAL FOREARM FREE FLAP: IMPROVED OUTCOMES WITH A UNIQUE COLLABORATIVE APPROACH WITH ORTHOPEDIC SURGERY Charissa N Kahue, MD, Michael W Sim, MD, Douglas R Weikert, MD, Sarah L Rohde, MD; Vanderbilt University Medical Center</td>
</tr>
<tr>
<td><strong>P557</strong> THE TRANS AXILLARY PEDICLED TDAP FLAP FOR RECONSTRUCTION OF SIMPLE AND COMPOSITE CERVICAL SKIN DEFECTS. Ayman A Amin, MD, Mohamed H Zedan, MD, MSc, MRCS, Mohamed A Ellabban, MD, Ashraf H Shawky, MD, Mohamed A Rifaat, MD; Head and Neck unit, Surgical Oncology department, National Cancer Institute, Cairo University, Plastic and Reconstructive Surgery Unit, Suez Canal University Hospitals, Ismailia, Egypt</td>
</tr>
<tr>
<td><strong>P559</strong> REVISITING THE GASTRIC PULL UP: A SYSTEMATIC REVIEW AND META-ANALYSIS OF PHARYNGOESOPHAGEAL RECONSTRUCTION Oleksandr Butskiy, MD, Ronak Rahmanian, MD, Richard A White, Eitan Prisman; UBC</td>
</tr>
<tr>
<td><strong>P560</strong> ENHANCED RECOVERY AFTER SURGERY (ERAS) IN MAJOR HEAD AND NECK CANCER SURGERY; A SYSTEMATIC REVIEW Raghav R Kulkarni, MRCS, MBBS, BDS, James A Cymerman, MRCS, MBBS, BDS, Kayleigh Gilbert, BSc, Irene Kreiss, PhD, Jeremy D McMahon, FRCSOMFS, FRCs, FDSRCS, MBBS, BDS, James A McCaul, PhD, FRCSOMFS, FRCS, FIBCSOMS, FDSRCS, MB; The Royal Marsden, London Northwest Healthcare NHSTrust, The Royal College of Surgeons of England, Regional Maxillofacial Unit, Queen Elizabeth University Hospital, Glasgow UK</td>
</tr>
<tr>
<td><strong>P561</strong> THE BEAVERTAIL MODIFIED RADIAL FOREARM FREE FLAP: VERSATILE UTILIZATION AND OUTCOMES Peter T Dziegielewski, MD, FRSCS, Brian J Boyce, MD, Raja Sawhney, MD, MFA; University of Florida</td>
</tr>
</tbody>
</table>
P562 RECONSTRUCTION ALGORITHM AND TECHNIQUES FOR ADVANCED MIDFACE DEFECTS
Nicholas Panella, MD1, Mark El-Deiry, MD2, Patricia Hudgins, MD3, Mihir Patel, MD4; 1Emory University Department of Otolaryngology, 2Emory University Department of Radiology

P563 REBUILDING THREE DIMENSIONAL ORAL CAVITY STRUCTURES FROM TWO DIMENSIONAL SUBSTRATES: A CADAVER STUDY
Michael Baskin, MD1, Hadi Seikaly, MD, FRCS(c), Raja Sawhney, MD, MFA1, Brian J Boyle, MD1, Martha Burt, MD1, BJ Schlott, DMD, MD1, Peter T Dziegielewski, MD, FRCS(c); 1University of Florida, 2University of Alberta

P564 INTRA-OPERATIVE RESEW PREDICTS POST-OPERATIVE COMPLICATIONS INCLUDING RE-OPERATION RATE AND FREE FLAP FAILURE IN HEAD AND NECK RECONSTRUCTION
Robert M Brody, MD, Andres M Bur, MD, Ara A Chalian, MD, Jason G Newman, MD, Steven B Cannady, MD; Hospital of the University of Pennsylvania

P565 IDENTIFICATION OF QUALITY METRICS SPECIFIC TO FREE FLAP SURGERY FOR HEAD AND NECK CANCER AND FACTORS ASSOCIATED WITH WORSE OUTCOMES.
Alisa Timashpolsky1, Rance Fujiwara2, Benoit Cyrenne2, Saral Mehra, MD1; Stony Brook University School of Medicine, 2Yale School of Medicine

P566 PREOPERATIVE ACTIVATED PARTIAL THROMBOPLASTIN TIME PREDICTS EARLY FAILURE IN HEAD AND NECK FREE FLAP RECONSTRUCTION
Andres M Bur, MD1, Andrew D Walls, BS2, Jason Brant, MD1, Robert M Brody, MD1, Kyle M Hatten, MD1, Jason G Newman, MD1, Ara A Chalian, MD1, Steven B Cannady, MD1; 1University of Pennsylvania, 2Georgetown University School of Medicine, 3University of Maryland

P567 TOTAL LARYNGECTOMY WITH FREE FLAP RECONSTRUCTION: HOW WE DO IT.
Federico Espinosa, MD, Julián A Molano, MD; Fundación Valle del Lili

P568 SELECTIVE FLUORESCENT ANGIOGRAPHY EVALUATION OF FREE FLAP RECONSTRUCTION OF THE HEAD AND NECK IS A USEFUL ADDITION TO CURRENT MANAGEMENT PARADIGMS
Lauren B Moneta, MD, Scott Troob, MD, Javier Gonzalez-Castro, MD, Daniel Petrisor, DMD, MD, FACS, Mark K Wax, MD, FACS; Oregon Health & Science University

P569 RECONSTRUCTION OF MEDIUM TO LARGE SURGICAL DEFECTS OF THE HEAD AND NECK WITH LOCAL SKIN BILOBED FLAP: HOW WE DO IT.
Federico Espinosa, MD, Julián A Molano, MD; Fundación Valle del Lili

P570 ALT FLAP HARVEST -DEALING WITH VARIABLE ANATOMY, 170 FLAP EXPERIENCE WITH 98.8 %SUCCESS RATE. ANTERIOR, DOPPLER GUIDED, NON-COMMITTAL, PERFORATOR TO PEDICLE, NERVE AND MUSCLE PRESERVING APPROACH.
Dushyant Jaiswal; Tata Memorial Centre

P571 PATIENT SPECIFIC PLATES FOR MICROVASCULAR RECONSTRUCTION OF THE MANDIBLE
Paul M Buck, MD, DDS, Mark Wax, MD, Daniel I Petrisor, MD, DMD; Oregon Health and Science University

P572 DECREASING MORBIDITY FROM FACIAL ARTERY MUSCULOMUCOSAL (FAMM) FLAP : A COMPARATIVE STUDY OF THE CLASSICAL AND MODIFIED HARVESTING TECHNIQUES
Badr Ibrahim, MD, Akram Rahal, MD, FRCS, Apostolos Christopoulos, MD, FRCS, Eric Bissada, MD, FRCS, Louis Guertin, MD, FRCS, Jean Claude Tabet, MD, FRCS, Marie-Jo Olivier, MD, FRCS, Tareck Ayad, MD, FRCS, Université de Montréal

P573 SURGICAL RESECTION AND VASCULARIZED BONE RECONSTRUCTION IN ADVANCED MEDICATION-RELATED OSTEONECROSIS OF THE JAWS
Steven J Caldronney, DDS, MD, Naseem Ghazali, BDS, MBBS, MSc, DOHNS, MRCS, FDSRCS, FRC, Donita Dyalram, DDS, MD, FACS, Joshua E Lubek, DDS, DS, MD, FACS; University of Maryland Medical Center

P574 TOTAL PAROTIDECTOMY DEFECT RECONSTRUCTION WITH THE SUBMENTAL FLAP
Neerav Goyal, MD1, Daniel Deschler, MD2, Kevin Emerick, MD2; 1Penn State University, 2Massachusetts Eye and Ear Infirmary
P575 MANDIBULAR RECONSTRUCTION IN RURAL SETUP - STERNOCLEIDOMASTOID - CLAVICULAR FLAP. IS IT AN OPTION?
Donald John Babu, MSFCPSMChFMAFAGESFEB, Surg, Onc; Tata Memorial Cancer Hospital

P576 COMBINED CRANIOPLASTY AND TOTAL TEMPOROMANDIBULAR JOINT RECONSTRUCTION AFTER PIGMENTED VILLONODULAR SYNOVITIS RESECTION
Dylan F Roden, MD, MPH1, Jay Neugarten, MD, DDS2, Peter Costantino, MD3; 1NYU Department of Otolaryngology - Head & Neck Surgery, 2New York Head & Neck Institute

P577 DEEP VEIN THROMBOSIS RISK STRATIFICATION IN HEAD AND NECK RECONSTRUCTION: A COMPARATIVE ANALYSIS IN FREE AND PEDICLED FLAP PATIENTS
Sumi Sinha, BS, Sidharth V Puram, MD, PhD, Rosh K Sethi, MD, MPH, Neerav Goyal, MD, Kevin S Emerick, MD, Derrick Lin, MD, Marlene Durand, MD, Daniel G Deschler, MD; 1Massachusetts Eye and Ear Infirmary, 2Hershey Medical Center, Pennsylvania State University

P578 AN ALTERNATIVE METHOD OF RECONSTRUCTING RADICAL NECK DISSECTION DEFECTS RECONSTRUCTION WITH SUPRACLAVICULAR ARTERY ISLAND FLAP
Rizwan Aslam, DO, MS, FACS; Tulane University School of Medicine

P579 EVOLUTION IN THE RECONSTRUCTION OF LATERAL SKULL BASE DEFECTS: THE UNIVERSITY OF KANSAS EXPERIENCE
G. Nina Lu, MD, T Muelleman, A Shum, K Sykes, M Deutschmann, Da Girod, J Lin, Y Shnayder, H Staeker, T Tsue, K Kakarala; University of Kansas Medical Center

P580 SCAPULAR TIP FREE FLAP FOR HEAD AND NECK RECONSTRUCTION
Nayeon Choi1, Jae-Keun Cho2, Jeon Yeob Jang3; 1Samsung Medical Center, 2Inje University Ilsan Paik Hospital, 3Pusan National University Hospital

P581 SURGICAL MORBIDITY AND MORTALITY IN PATIENTS AFTER MICROVASCULAR RECONSTRUCTION FOR HEAD AND NECK CANCER
Choung Soo Kim, MD, Young Hoon Joo, MD, Kwang Jae Cho, MD, Sang Yeon Kim, MD; 1Department of Otolaryngology-Head and Neck Surgery, College of Medicine, The Catholic University of Korea, Seoul, Republic of Korea

P582 FREETHORACODORSAL ARTERY PERFORATOR FLAP (TDAP) FOR HEAD&NECK CANCER RECONSTRUCTION - 9CASES EXPERIENCE FROM INDIA
Dushyant Jaiswal; Tata Memorial Centre , Mumbai , India

P583 FREE FLAPS AFTER THE AGE OF 75
Caroline Hoffmann, MD, Thomas Jouffroy, MD, Florence Rolbot, MD, Angélique Girod, MD, Cynthia Occhipinti, Philippe Goater, MD, José Rodriguez, MD; Institut Curie, Paris, France

P584 IS DECONSTRUCTION OR RECONSTRUCTION OF THE CAROTID BEST IN IMMINENT RUPTURE OR WITH RESISTANT BLEEDING IN PATIENTS TREATED FOR CANCER OF THE HEAD AND NECK?
Genival B de Carvalho, MD, Elizia Bittencour, Francisco R Júnior, Mauricio K Amoedo, Luiz P Kowalski, PhD; A C Camargo Cancer Center

P585 Withdrawn

P586 LONGER ISCHEMIC TIMES ARE NOT ASSOCIATED WITH INCREASED COMPLICATIONS IN MICROVASCULAR FREETISSUE TRANSFER FOR HEAD AND NECK RECONSTRUCTION
Katherine L Fedder, MD, Zenia Chow, MBBS, FRACS, Mark Jameson, MD, PhD; University of Virginia

P587 A NOVEL TECHNIQUE FOR TRACHEAL RECONSTRUCTION USING A RADIAL FOREARM FREE FLAP
Sobia F Khaja, MD, Joshua D Hornig, MD; Medical University of South Carolina

P588 FREE FIBULA OSTEOCUTANEOUS FLAPS FOR COMPLEX MAXILLECTOMY DEFECTS - 22 CASES EXPERIENCE IN 2 YEARS.
Dushyant Jaiswal; Tata Memorial Hospital , Mumbai

P589 A NOVEL APPROACH TO MAXILLARY RECONSTRUCTION USING A 3D SURGICAL STENT TO FACILITATE INSET OF OSTEOCUTANEOUS FREETISSUE TRANSFER
Vivek R Varma, BS1, YinYiu, MD1, Meade C van Putten Jr., DDS, MS2, Matthew O Old, MD3; 1Department of Otolaryngology - Head and Neck Surgery, The James Cancer Hospital and Solove Research Institute, The Ohio State University Wexner Medical Center, Columbus, Ohio, 2The Ohio State University College of Dentistry, Department of Maxillofacial Prosthetics The Arthur James Cancer Hospital and Solove Research Institute
P590 WORLDWIDE TEN-YEAR PUBLICATION TRENDS IN FIBULA FREE FLAP FOR MANDIBULAR RECONSTRUCTION
Devin Okay¹, Meghan Rowe², Sami P Moubayed³, Eliza Dewey¹, Al Haitham Al Shetawi¹, Moustafa Mourad¹, Daniel Buchbinder¹, Cathy Lazarus¹, Mark L Urken¹; ¹Mount Sinai Beth Israel, ¹Thyroid, Head & Neck Cancer Foundation

P591 INTRALUMINAL ARGATROBAN IRRIGATION FOR MICROVASCULAR SURGERY IN PATIENT WITH HISTORY OF HEPARIN-INDUCED THROMBOCYTOPENIA
Daniel Kwon, MD, Paul Walker, MD, Nathaniel Peterson, MD; Loma Linda University Medical Center, Department of Otolaryngology

P592 A MODIFICATION OF THE RADIAL FOREARM FREE FLAP WITH PENILE FORESKIN PRELAMINATION FOR INTRAORAL RECONSTRUCTION - A CASE REPORT
Sim Felix, MBBS, BDS, FRACDSOMS, Ashish Patel, MD, DDS, Eric J Dierks, MD, DMD, FACS; Legacy Emanuel Medical Centre

P593 SURGICAL MANAGEMENT OF HEAD AND NECK SARCOMA: THE NEWCASTLE EXPERIENCE
Rwf Breakey, Ib Anderson, Tp Crowley, Rh Milner, M Ragbir; Royal Victoria Infirmary

P594 PERFORATOR, NON PERFORATOR AND CHIMERIC FLAPS IN HEAD AND NECK RECONSTRUCTION; THE EAST GRINSTEAD EXPERIENCE
Jag Dhanda, PhD, FRCS, Paul Norris, FRCS, Laurence Newman, FRCS, John Tiege, FRCS, Aakash Gulati, FRCS, David Tiege, FRCS, Brian Bisase, FRCS; Queen Victoria Hospital, East Grinstead

P595 FREE FLAP RECONSTRUCTION OF COMPOSITE HEAD AND NECK DEFECTS USING FASCIOCUTANEOUS AND CHIMERIC OSTEOMYOCUTANEOUS FLAPS BASED ON THE THORACODORSAL ARTERY
Ayman A Amin, MD¹, Mohamed H Zedan, MD, MSc, MRCS¹, Mohamed A Ellabban, MD², Ashraf H Shawky¹, Hisham I El Sebai, MD¹, Mohamed A Rifaat, MD²; ¹Head and Neck Unit, Department of Surgical Oncology, National Cancer Institute, Cairo University, Cairo, Egypt, ²Plastic and Reconstructive Surgery Unit, Suez Canal University Hospitals, Ismailia, Egypt

P596 RECONSTRUCTION OF THE NEAR TOTAL NASAL DEFECTS AFTER SKIN CANCER RESECTION WITH FACIAL ARTERY PERFORATOR FLAP COMBINED WITH CARTILAGE GRAFTS AND FOREHEAD FLAP
Vedran Zubic, MD; Dpt.of Maxillofacial Surgery, University Hospital Osijek, J.Huttlera, 4,31000 Osijek, Croatia

P597 THE FEASIBILITY OF DE EPITHELIALISED PEDICLED LATERAL FOREHEAD FLAP IN RECONSTRUCTION OF FULL THICKNESS DEFECTS OF THE NOSE AND ORAL CAVITY
Hamdy - Elmarakby, MR; national cancer institute

P598 LATERALITY OF THE FIBULA AND MANDIBULAR DEFECT: THE DILEMMA AND THE SOLUTIONS
Mohamed A Shama, MD, MSc, MRCS, EBQO¹, Tahir Mirza, MBBS, BDS, DOHNS, FRCS, OMFS², Nidal F AL Deek, MD³, Fu-Chan Wei, MD, FACS³; ¹National Cancer Institute, ²Northampton General Hospital NHS Trust- Northampton, United Kingdom, ³Department of Plastic Surgery, Chang Gung Memorial Hospital, Chang Gung University, Medical College

P599 PROTOCOL FOR RECONSTRUCTION OF ISOLATED LIP DEFECTS FOLLOWING TUMOR EXTRIPATION - A TATA MEMORIAL HOSPITAL EXPERIENCE OF 86 CASES
Saumya Mathews, MS, Prabha Yadav, Vinay K Shankhdhar, Dushyant Jaiswal; Tata Memorial Hospital

P600 MORBIDITY AND FUNCTIONAL OUTCOMES WITH HEAD AND NECK FREE FLAP RECONSTRUCTION IN PATIENTS OVER 90 YEARS OF AGE
Savannah Gelesko, DDS, MD, Adam Fagin, DMD, Daniel Petrisor, DMD, MD, FACS, Mark Wax, MD, FACS, FRCS; Oregon Health & Science University

P601 CASE SERIES OF FREE FLAP RECONSTRUCTION IN PATIENTS WITH ORAL CANCER AFTER NECK DISSECTION ENDOSCOPICALLY OR ROBOTICALLY ASSISTED VIA MODIFIED FACE-LIFT OR RETROauricular APPROACH
Andre V Forster, MD, Elizia Bittencourt, MD, Thiago C Chulam, PhD, Renan B Lima, MD, Carlos A Cavalcanti, MD, Monica L Rodrigues, MD, Luiz P Kowalski, PHD; AC Camargo Cancer Center
P602 TRANSFUSION IN HEAD AND NECK PATIENTS UNDERGOING PEDICLED FLAP RECONSTRUCTION: PRACTICE PATTERNS AND A COMPARATIVE ANALYSIS BY FLAP TYPE
Sidharth V Puram, MD, PhD, Sumi Sinha, BS, Rosh K Sethi, MD, MPH, Neerav Goyal, MD, Kevin S Emerick, MD, Derrick Lin, MD, Marlene Durand, MD, Daniel G Deschler, MD; ‘Massachusetts Eye and Ear Infirmary, 2Hershey Medical Center, Pennsylvania State University

P603 HEAD AND NECK RECONSTRUCTION WITH LATISSIMUS DORSI PEDI CLED FLAP: DOES LATERAL DECUBITUS POSITION IS ESSENTIAL?

P604 VASTUS LATERALIS MUSCLE ONLY FREE FLAP RECONSTRUCTION FOR SKULLBASE OSTEORADIONECROSIS: A CASE SERIES
Jason Y Chan, Eddy W Y Wong, Tor W Chiu, Michael C Tong, Alexander C Vlantis; The Chinese University of Hong Kong

P605 DUAL FLAP RECONSTRUCTION FOR COMPLEX ORO-MANDIBULAR FACIAL DEFECTS: THE FIBULA AND PECTORALIS MAJOR FLAP
Mohammed Qaisi, DMD, MD, Issam Eid, MD, Rabi Shanti, MD, Ronald Caloss, DDS, MD; ‘University of Mississippi Medical Center, 2Louisiana State University Health Sciences Center - Shreveport

P606 RECONSTRUCTIVE OPTIONS FOR COMPLEX MIDFACE DEFECTS
Barbara Berenstein, MD; Instituto de oncologia Angel Roffo

P607 LATERAL APPROACH TO ANTEROLATERAL THIGH FLAP HARVEST
Christina Hui Lee Ng, MBBS, MRCS, Ngian Chye Tan, MBBS, MMed, FRCS(Ed), FAMS, Yee Siang Ong, Khong Yik Chew, Lin Hon Terence Goh; Singhealth

P608 EVOLUTION OF MANDIBULAR RECONSTRUCTION PLANNING USING FREE FLAPS: 15-YEAR EXPERIENCE IN THREE DIFFERENT INSTITUTIONS
ATorroni, Giuliana Longo; ‘NYU, 2N/A
P618 ABERRANT RADIAL ARTERY: A RARE ANATOMIC VARIANT ENCOUNTERED DURING RADIAL FOREARM FREE FLAP ELEVATION
Danish A Nagda, MD, Joseph Zenga, MD, Jason T Rich, MD, FACS, Ryan S Jackson, MD; Washington University School of Medicine in St Louis

P620 PRIMARY LENGTHENING TEMPORALIS MYOPLASTY FOLLOWING FACIAL NERVE SACRIFICING ONCOLOGICAL RESECTION.
Jain Anderson, James Wokes, Maniram Ragbir, Omar Ahmed; Royal Victoria Infirmary

P621 FIBULA FREE FLAP RECONSTRUCTION FOR CLAVICULAR NONUNION
Patrik Pipkorn, Jamie Funamura, Gregory Farwell; UC Davis

P622 THE END TO THE INTRA-ORAL BOLSTER: A CASE SERIES OF INTRA-ORAL SKIN GRAFT RECONSTRUCTION WITH A FIBRIN SEALANT.
Erin R Hamersley, DO1, Aru Panwar, MD2, Robert Lindau, MD2; 1United States Navy Medical Center Portsmouth, 2University of Nebraska Medical Center, 2Nebraska Methodist Health System

P623 PERFORATOR ANATOMY OF THE ANTEROLATERAL THIGH FREE FLAP: A SYSTEMATIC REVIEW
Ross K Smith, BSc, MBBS, Hons, I1, James Wykes, FRACS2, David T Martin, BPhty, Hons, I, MBBS3, Navin Niles, FRACS1; 1Faculty of Medicine and Health Sciences, Macquarie University, Sydney, NSW, 2Department of Head and Neck Surgery, Liverpool Hospital, Liverpool, NSW, 3College of Medicine and Dentistry, James Cook University, Townsville, QLD

P624 PRELIMINARY REPORT ON AN “OLD FASHIONED STYLE” STITCHING PROCEDURE FOR A NEW INNOVATIVE AND EFFECTIVE NECK CLOSURE AFTER RADICAL DISSECTION FOR ONCOLOGICAL PURPOSES: THE CHESTERFIELD TECHNIQUE.
Luigi Annacontini, MD1, Liberato Roberto Cecchino, MD1, Fedele Lembo1, Luciano Magaldi, MD2, Gaetano Vitofrancesco, MD2, Domenico Parisi, MD2, Aurelio Portincasa, MD, Director1; 1Plastic Surgery Department - Ospedali Riuniti - Foggia

P625 SINGLE STAGE TAILOR MADE RECONSTRUCTION OF THE AEROVOCAL TRACT FOR THYROID CANCER WITH SEVERE TRANSMURAL INVASION USING A UNILATERAL INTERNAL MAMMARY ARTERY PERFORATOR BASED FLAP (IMAP FLAP) AS AN ALTERNATE OF VAF KIMONO FLAP.
Masao Toji, MD1, Tokio Hasegawa, MD2, Katsuhiko Motegi, MD2, Kazuo Kishi, MD2, Nobuaki Imanishi, MD2; 1Shin-yurigaoka General Hospital, 2Stella Clinic, Akita, 3Keio University

P627 MORBIDITY AND MORTALITY OF MANDIBULAR RECONSTRUCTION AFTER RADIOThERAPY
Yuxiong Su; University of Hong Kong

P628 Withdrawn

P629 NASAL RECONSTRUCTION IN PROBOSCIS LATERALIS: CASE REPORT AND REVIEW OF THE LITERATURE
Amine Rafik, MD, Naima Bahechar, Pr, Abdessamad Chlihi, Pr; National center of burns and plastic surgery,University Hospital Ibn-Rochd, Casablanca, Morocco

P630 NOVEL DOUBLE-LAYERED RECONSTRUCTION TECHNIQUE FOR PHARYNGEAL RECONSTRUCTION POST SALVAGE LARYNGECTOMY: PRELIMINARY OUTCOMES
Anna Wertz, MD, Laura Garcia-Rodriguez, MD,Tony Chin Quee, MD, Camille Bazzle, MS IV,Tamer Ghanem, MD, PhD; Henry Ford Hospital

P631 SURGICAL TECHNIQUES AFTER PAROTIDECTOMY TO PREVENT FREY’S SYNDROME AND DEPRESSION DEFORMITY
Sung-no Jung, Eun-Young Rha, Ho Jun Kim; Department of Plastic and Reconstructive Surgery, Uijeongbu St. Mary’s Hospital, College of Medicine, The Catholic University, Korea

P632 RECONSTRUCTION OF THE VARIOUS HEAD AND NECK SITE DEFECTS AFTER CANCER RESSECTION USING LATERAL CIRCUMFLEX ARTERY PERFORATOR FLAP
Vedran Zubcic, MD; Dpt.of Maxillofacial Surgery, University Hospital Osijek, J.Huttlera 4,31000 Osijek, Croatia

P634 PECTORALIS MAJOR MYOCUTANEOUS FLAP FOR HEAD AND NECK RECONSTRUCTION: TEN YEARS OF EXPERIENCE
Antonio Gomez-pedraza, MD1, Mariana I. Herrera-guerrero, MD2, Bernardo Rivas Leon, MD1, Kuauhyama Luna Ortiz, MD2, Arturo Gonzalez Zuniga, MD2; 1Instituto
**Poster Listing**

**Nacional de Cancerología, ABC Medical Center, La Raza IMSS**

**P635 POSTERIOR TibIAL ARTERY PERFORATOR FLAPS IN HEAD AND NECK RECONSTRUCT**
Mansour Al Assiry, Turki Almuhaimid; King Fahad Specialist Hospital

**P636 HOW TO MINIMIZE METAL RESIDUE WHEN DRILLING THROUGH METAL PLATE**
Sam J Melki, MD, John C Heaphy, MD, Chad Zender, MD, FACS, Rod P Rezaee, MD, FACS; University Hospital Case Medical Center

**P637 CASE REPORT OF A RARE GIANT LIPOMA OF NECK**
Fedele Lembo, MD, Luigi Annacontini, MD, Liberato Roberto Cecchino, MD, Domenico Parisi, MD, Aurelio Portincasa, MD, Director; Plastic Surgery Department - Ospedali Riuniti - Foggia

**SALIVARY GLAND**

**P638 - P690**

**P638 PLAG1 EXPRESSION IS MAINTAINED IN RECURRENT PLEOMORPHIC ADENOMA**
Fernanda V Mariano1, Beatriz S Brito1, Natália G Gaspar1, Erika S Egal1, Juliana N Souza1, Celeste Romero-Sanchez2, Rogério O Gondak4, Antonio S Martins1, Álfao T’Tincani3, Oslei P Almeida1, Albina Altemani1, Luiz P Kowalski1, 2Faculty of Medical Sciences - UNICAMP, 3Piracicaba Dental School, 4Federal University of Santa Catarina, 5AC Camargo Cancer Center

**P639 MALIGNANCIES OF THE PARAPHARYNGEAL SPACE**
Mara C Modest, MD, Eric J Moore, MD, Kathryn M Van Abel, MD, Jeffrey R Janus, MD, Daniel L Price, MD, Jan L Kasperbauer, MD, Kerry D Olsen, MD; The Mayo Clinic, Rochester

**P640 COPY NUMBER ALTERATIONS AND EPIGENETIC CHANGES IN PLEOMORPHIC ADENOMA TUMORIGENESIS AND CARCINOMA EX-PLEOMORPHIC ADENOMA CARCINOGENESIS**
Fernanda V Mariano1, Erika S Egal1, Dimitrius Pramio1, Felipe Fidalgo5, Louyse V Carvalho2, Renata F Varanda1, Rogério O Gondak4, Ricardo D Coletta1, Antonio S Martins1, Oslei P Almeida1, Albina Altemani1, Luiz P Kowalski1, 2Faculty of Medical Sciences - UNICAMP, 3Piracicaba Dental School, 4Federal University of Santa Catarina, 5AC Camargo Cancer Center

**P641 THE MALIGNANT TRANSFORMATION FROM PLEOMORPHIC ADENOMA SHOWS LOSS EXPRESSION OF PLAG1**
Fernanda V Mariano1, Beatriz S Brito1, Natália G Gaspar1, Erika S Egal1, Celeste Romero-Sanchez2, Juliana N Souza1, Rogério O Gondak4, Antonio S Martins1, André Del Negro1, Oslei P Almeida1, Albina Altemani1, Luiz P Kowalski1; 2Faculty of Medical Sciences - UNICAMP, 3Piracicaba Dental School, 4Federal University of Santa Catarina, 5AC Camargo Cancer Center

**P642 WHEN RESIDENTS OPERATE: IMPACT ON INTRA OPERATIVE TIME VARIABLES AND POST-OPERATIVE OUTCOMES IN SUPERFICIAL PAROTIDECTOMY**
Dana Petersen, MD, DDS1, Duncan C Watley, BS2, Harlan Sayles, MS3, Katherine Rieke, MPH, MA1, William M Lydiatt, MD1, Aru Panwar, MD1; Division of head and neck surgery, University of Nebraska Medical Center, Omaha, Nebraska, USA, 2College of Medicine, University of Nebraska Medical Center, Omaha, Nebraska, USA, 3College of Public Health, University of Nebraska Medical Center, Omaha, Nebraska, USA

**P643 AGGRESSIVE SALIVARY MALIGNANCIES AT EARLY STAGE: OUTCOMES AND IMPLICATIONS FOR TREATMENT**
Robert Eppsteiner, MD, Jonathan Fowlkes, MD, Carryn M Anderson, MD, Nitin A Pagedar, MD; UIHC

**P644 TREATMENT OF PAROTID NON-HODGKIN LYMPHOMA: A META-ANALYSIS OF 108 PATIENTS**
Basem Jamal, BDS, DSc; King AbdulAziz University Hospital

**P646 UTILIZATION OF SIALENDOSCOPY IN HEAD AND NECK CANCER PATIENTS**
William W Thomas III, MD1, Jennifer E Douglas, BA1, Bert W O’Malley Jr., MD1, Gregory S Weinstein, MD1, Vikas Thaler, MD1, Christopher H Rassekh, MD1; Otorhinolaryngology - Hospital of the University of Pennsylvania, 2Perelman School of Medicine at the University of Pennsylvania

**P647 INTRAPAROTIDAL LYMPH NODE METASTASIS IN PAROTID CARCINOMA: A SINGLE INSTITUTION EXPERIENCE AND REVIEW OF LITERATURE**
Daniel Chew, MBBS, Singapore1, Chwee Ming Lim, MBBS, Singapore, MRCS, Edin, MMedORL2; Singapore General Hospital, 1National University Health System
Poster Listing

P648 INCIDENCE OF MINOR SALIVARY GLAND TUMOR MALIGNANCY: A META-ANALYSIS STUDY AND LITERATURE REVIEW.
Joseph Bibawy, OMSIV1, David Garber, MD2, David Myssiorek, MD2; 1NYIT-COM, 2NYU Langone

P649 MYB GENE FAMILY ALTERATIONS OUTLINE SALIVARY GLAND ADENOID CYSTIC CARCINOMA
Piotr T Wysocki1, MD1, Shizhang Ling, PhD1, Marietta Tan, MD1, Juliet Meier, BS1, Chunbo Shao, MD1, David Sidransky, MD1, Patrick Ha, MD1, Mariana Brait, PhD1; 1Johns Hopkins University, School of Medicine, 2University of California, San Francisco, San Francisco, CA

P650 MINIMALLY INVASIVE PAROTID SURGERY IN BRAZIL: ANALYSIS OF 70 CASES
Antonio Bertelli, MD1, Luiz Massarollo, MD2, Arnaldo Moraes, MD1, Rubens Ueda, MD2, Jose Steck, MD1, Erivelto Volpi, MD, PhD1; 1Santa Casa de Sao Paulo, 2Guarulhos Institute of Oncology, 3Hospital Mario Gatti, 4University of Sao Paulo

P651 EARLY STAGE MAMMARY ANALOGUE SECRETORY CARCINOMA: OUTCOMES AND IMPLICATIONS FOR PATIENT COUNSELING
Ryan Slad, MD1, Lester Thompson, MD2, Gabriel Calzada, MD2; 1Navy Department of Otolaryngology, 2Kaiser Permanente Southern California

P652 PAROTIDECTOMY USING THE HARMONIC SCALPEL: TEN YEARS OF EXPERIENCE AT A RURAL ACADEMIC HEALTH CENTER
Marc A Polacco, MD, Andrew M Pintea, Benoit J Gosselin, MD, Joseph A Paydarfar, MD; Dartmouth-Hitchcock Medical Center

P653 OUTPATIENT VERSUS INPATIENT PAROTIDECTOMY: PATIENT FACTORS AND PERIOPERATIVE COMPLICATIONS.
A J Van Horn, MD1, R A Goldman, MD1, K Johnson, BS1, J Valentino, MD, FACS1, R K Aouda, MD, FACS1; 1University of Kentucky, Department of Otolaryngology-Head & Neck Surgery, 2University of Kentucky, College of Medicine

P654 DIAGNOSTIC PROCEDURE AND PREDICTION OF PROGNOSIS OF THE ASYMMETRY OF THE LIP AFTER PAROTIDECTOMY AND SUBMANDIBULAR GLANDECTOMY
Kazuhiko Yokoshima1, Munenaga Nakamizo2, Atsuko Sakanoishi1, Shunta Inai1, Taisei Kato1, Hiroki Umezawa2, Jun ichi Nakao1, Kimihiro Okubo1; 1Department of Otolaryngology, Nippon Medical School, 2Department of Plastic and Reconstructive Surgery, Nippon Medical School

P655 UTILITY AND FUNCTIONAL OUTCOME OF EXTRACAPSULAR DISSECTION (ECD) FOR TUMORS OF THE PAROTID GLAND
Yewon Kim1, Young Ju Jin, Won Wook Lee, Sungjun Han, Yoonjong Ryu, Soon-Hyun Ahn, Woojin J Jeong; Seoul National University Bundang Hospital

P656 EXPRESSION OF AMPHIREGULIN IN MUCOEPIDERMOID CARCINOMA OF THE MAJOR SALIVARY GLAND.
Hitomi Shinomiya1, Yohei Ito2, Mie Kubo1, Naoki Otsuki1, Hiroshi Inagaki2, Ken-ichi Nibu1; 1Department of Otolaryngology-Head and Neck Surgery, Kobe University Graduate School of Medicine, 2Department of Pathology and Molecular Diagnostics, Nagoya City University School of Medical Sciences

P657 VENOUS MALFORMATION OF THE PAROTID GLAND: A CASE REPORT AND REVIEW OF THE LITERATURE
Yarah M Haidar, Julie A Goddard; University of California - Irvine, Medical Center

P658 A DEEP LOOK AT THE LOCATION OF WARTHIN’S TUMOR OF THE PAROTID GLAND
Doron Sagiv, MD1, Robert L Witt, MD, FACS2, Bruria Shalmon, MD1, Eran Glikson, MD1, Eran E Alon, MD1, Yoav P Talmi, MD, FACS2; 1Sheba Medical Center, Ramat-Gan, Israel, 2Christiana Care, Newark DE

P659 ADENOID CYSTIC CARCINOMA OF SUBMANDIBULAR GLAND METASTATIC TO TOES: CASE REPORT AND LITERATURE REVIEW
Oana C Rafael1, Doru Paul2, Maged Ghaly3, Sheng Chen1, Dennis Kraus4, Nagashree Seetharamu2, Steven Savona3, Elizabeth Connelly2; 1Northwell Health, Lake Success, NY, 2New York Head and Neck Oncology Institute and Northwell Health Monter Cancer Center, Lake Success, NY, USA, 3Northwell Health Monter Cancer Center, Lake Success, NY

P660 HEMIFACIAL SPASM SECONDARY TO RARE INTRAMASTOID PLEOMORPHIC ADENOMA
Eliot J Martin, PAC, Matthew L Carlson, MD, Eric J Moore, MD; Mayo Clinic Rochester

P661 ASYMPTOMATIC PRESENTATION OF MASSETERIC SCHWANNOMA
Christopher Britt, Aaron Wieland, MD; University of Wisconsin Hospitals and Clinics

P662 HEMIFACIAL SPASM SECONDARY TO RARE INTRAMASTOID PLEOMORPHIC ADENOMA
Eliot J Martin, PAC, Matthew L Carlson, MD, Eric J Moore, MD; Mayo Clinic Rochester

P663 ASYMMETRIC PRESENTATION OF MASSETERIC SCHWANNOMA
Christopher Britt, Aaron Wieland, MD; University of Wisconsin Hospitals and Clinics

July 16 - 20, 2016 - www.ahns.info  241
Poster Listing

P662 MONITORED ANESTHESIA CARE IN SIALENDOSCOPY
Oscar Trujillo, MD, MS, Madeleine Drusin, Parwane Pagano, MD, Rahamatullah Rahmati, MD; NYP-Columbia

P663 AUTOLOGOUS FREE DERMAL- FAT-FASCIAL GRAFT FOR PAROTIDECTOMY DEFECTS, A CASE SERIES
Aliassghar Arabi Mianroodi, MD, Nahir Romero, MD, Andrew Fuson, MD, Arjun Joshi, MD, Nader Sadeghi, MD; Division of Otolaryngology-Head and Neck Surgery, George Washington University, Washington D.C.

P664 FACIAL NERVE PARALYSIS POST PAROTIDECTOMY: PREVALENCE AND RISK FACTORS
Shahad Ghandoura, Mazin Merdad, Hani Marzouki; King Abdulaziz University

P665 SOFT TISSUE MYOEPITHELIAL CARCINOMA PREOPERATIVELY DIAGNOSED AS PLEOMORPHIC ADENOMA: A REVIEW OF LITERATURE AND COMPARISON BETWEEN SOFT TISSUE AND SALIVARY FORMS OF MYOEPITHELIAL CARCINOMA.
Jayne Stevens1, Gregory Dion1, Martin Curry1; 1SAUSHEC, 2New York University

P666 PAROTID DEEP LOBE NODULAR ONCOCYTIC HYPERPLASIA - CASE REPORT AND REVIEW OF THE LITERATURE
Hui Sing Chew, MBBS, MRCS, MMED, ORL, Mingyann Lim, MBBSMelbourne, MRCS, EngGlasgDOHNS, Danilo M Giron MD, FCAP; Tan Tock Seng Hospital, Singapore

P667 CRIBRIFORM ADENOCARCINOMA OF THE TONGUE AND MINOR SALIVARY GLANDS: DISEASE PROGRESSION DURING 11 YEARS OF FOLLOW-UP
Fernanda V Mariano1, Renata F Varanda2, Louyse V Carvalho2, Erika S Egal1, Luciana Schultz3, Pinheiro MC4, Rosário C4, Marcelo B Correa2, Oslel P Almeida2, Márcio A Lopes3, Albina A Altemani2, Luiz P Kowalski1; 1Faculty of Medical School, 2Piracicaba Dental School, 3AC Camargo Cancer Center, 4Federal University of Santa Catarina, 5Oncology Center - Fornecedores de Cana Hospital

P668 OUTCOMES OF EXTENDED PAROTIDECTOMY FOR FUNGATING PAROTID CARCINOMAS
Aly H Mebed, MD; National Cancer Institute

P669 MAMMARY ANALOGUE SECRETORY CARCINOMA OF THE PAROTID GLAND: THE YOUNGEST PATIENT ON RECORD
A Verma1, M Persky1, S Asiry2, E Opher1, G Har-El3; 1NYU School of Medicine, 2Lenox Hill Hospital, Northwell Health

P670 PRIMARY MUCINOUS ECCrine CARCINOMA OF THE BUCCAL SPACE: A CASE REPORT AND REVIEW OF THE LITERATURE
Kirkland N Lozada1, Azita S Khorsandi, MD, Raymond L Chai, MD; 1New York Eye and Ear, 2Mount Sinai Beth Israel

P671 AN UNUSUAL PRESENTATION OF CARCINOMA EX PLEOMORPHIC ADENOMA OF THE SUBLINGUAL GLAND WITH PLEOMORPHIC ADENOMA AND ADENOID CYSTIC CARCINOMA COMPONENTS
Thuy-Van T Ho, MD, Sreeya Yalamanchali, MD, Yeizaveta Shnayder, MD; University of Kansas Medical Center

P672 CLINICAL MANIFESTATIONS OF RECURRENT PAROTID PLEOMORPHIC ADENOMA
Sang Joon Lee, MD, PhD, Jeong Hwan Moon, MD, PhD, Phil-Sang Chung, MD, PhD; Department of Otolaryngology-Head & Neck surgery, Dankook University College of Medicine

P673 SURGICAL DECISIONS BASED ON AN FNA IN THE ABSENCE OF A SYSTEMATIC FROZEN SECTION FOR A PAROTID GLAND TUMOR IS NOT PREJUDICIAL FOR THE PATIENT.
Jean Yves Sichel, MD, Ohad Cohen, MD, Pierre Attal, MD, PhD, Chanan Shaul; Shaare Zedek Medical Center

P674 AN UNUSUAL CARCINOMATOUS TRANSFORMATION- A CASE REPORT OF SARCOMATOID CARCINOMA EX PLEOMORPHIC ADENOMA OF THE PAROTID GLAND
Joshua P Weiss, MD, Vatsal Patel, MD, Peter T Dziegielewski, MD; University of Florida

P675 PATTERNS OF FAILURE IN SALIVARY GLAND CANCER AFTER INTENSITY-MODULATED RADIOTHERAPY
Christian C Okoye, MD1, Ravi B Patel, MD, PhD, Atallah Baydoun, MD, Chad Zender, MD, Michael Gibson, MD, PhD, Pierre Lavertu, MD, Rod Rezaee, MD, Nicole Fowler, MD, Mitchell Machtay, MD, Min Yao, MD, PhD; 1Department of Radiation Oncology, Seidman Cancer Center, Case Western Reserve University, 2Department of Medicine, University Hospitals, Case Medical Center, 3Department of Otolaryngology, ENT Institute, University Hospitals, Case Medical Center, 4Department of Medical Oncology, Seidman Cancer Center, Case Western Reserve University
<table>
<thead>
<tr>
<th>Poster Listing</th>
</tr>
</thead>
</table>
| **P678** LYMPHOEPITHELIAL CARCINOMA OF THE SUBMANDIBULAR GLAND: A REPORT OF A RARE CASE AND A REVIEW OF THE CURRENT LITERATURE  
*Tousif Kabir, Tan C Chieh, Lim M Yann, Lee H Yee; Tan Tock Seng Hospital* |
| **P679** SUBMANDIBULAR GLAND ADENOCYSTIC CARCINOMA - A CASE REPORT OF LUNG METASTASES IN A SMALL TUMOR WITH SHORT CLINICAL HISTORY  
*Jh Jang, Cy I Loh, Xy Huang; Changi General Hospital* |
| **P680** PEDIATRIC FUNGAL ABSCESS OF THE PAROTID DUE TO SCOPULARIOPIPSIS SPECIES  
*Joshua P Weiss, MD, William J Reschly, MD, Peter T Dziegielewski, MD; University of Florida* |
| **P681** KERATOCYSTOMA OF THE PAROTID GLAND  
*Alex F Porsani, MD, Marina M Silva, Miguel J Pitta; Santa Casa de Araraquara* |
| **P682** MUCOSA ASSOCIATED LYMPHOID TISSUE LYMPHOMA OF BILATERAL PAROTID AND LACRIMAL GLANDS IN A PATIENT WITH SJOGREN’S SYNDROME  
*Dylan F Roden, MD, MPH, Eric W Cerrati, MD, Deborah Shatzkes, MD, Alyssa Yurovitsky, MD, Gady Har El, MD; Department of Otolaryngology - Head & Neck Surgery, New York University, Department of Radiology, Lenox Hill Hospital, Northwell Health, Department of Pathology, Lenox Hill Hospital, Northwell Health, Department of Otolaryngology - Head & Neck Surgery, Lenox Hill Hospital, Northwell Health* |
| **P683** ORIGINAL REPORT OF AN EXCEPTIONALLY AGGRESSIVE, UNDIFFERENTIATED CARCINOMA OF THE SUBLINGUAL GLAND IN A YOUNG PATIENT - CASE REPORT AND LITERATURE REVIEW.  
*Ramez Philips, BS, Nolan Seim, MD, Azeeem Kaka, MD, Lynn Schoenfeld, MD, Matthew Old, MD; Ohio State University College of Medicine, Ohio State University, Department of Otolaryngology - Head and Neck Surgery, Ohio State University, Department of Otolaryngology, Ohio State University, Department of Pathology, Ohio State University, Department of Otolaryngology - Head and Neck Surgery, The James Cancer Hospital* |
| **P684** CLINICAL FEATURES AND SURGICAL OUTCOMES OF MAJOR SALIVARY GLAND TUMORS: A SINGLE-CENTER EXPERIENCE  
*Junhee Park MD, PhD, Yeon-Hoo Kim, MD, Ji-hye Han, MD, Nam Yong Do, MD, PhD; Department of Otorhinolaryngology, Chosun University Hospital* |
| **P685** ACINIC CELL CARCINOMA ARISING IN A PERIPAROTID LYMPH NODE  
*Tess E Chase, BS, Isaac Dingle, MD, Marion Ridley, MD; University of South Florida, Morsani College of Medicine* |
| **P686** CERUMINOUS PLEOMORPHIC ADENOMA OF THE EXTERNAL AUDITORY CANAL  
*Jared Hiebert, Benjamin Hawley, Hanh Tran, Betty Tsai, Nielshe Vasan; University of Oklahoma* |
| **P687** RAPID RECURRENT SIALOLITHIASIS: ALTERED STONE COMPOSITION AND POTENTIAL FACTORS FOR RECURRENCE  
*Oscar Trujillo, MD, Madeleine Drusin, MD; Rahmatullah Rahmati, MD; NYP-Columbia and Cornell, Columbia University, NYP-Columbia* |
| **P688** TRANSERVICAL APPROACH FOR PARAPARYNGEAL SPACE TUMORS  
*Nancy Cumpa Lopez, MD, Gustavo Prats, MD, Adrián Ortega, MD, Rubén Padín, MD; National Hospital Dr. Alejandro Posadas* |
| **P689** PEAU D’ORANGE- A HARBINGER OF UNRESECTABILITY IN A CASE OF HEAD AND NECK CANCER  
*Amy M Manning, MD, Jonathan Mark, MD, Yash J Patil, MD; University of Cincinnati Department of Otolaryngology* |
| **P690** IS FNAC ACCURATE FOR PAROTID NEOPLASMS?  
*Chandala Chitguppi, Vikram Wadhwa, Ravi Meher, Swati Tandon, Ruchika Juneja, Komal Lamba, Praveen Rathore, Anoop Raj; Maulana Azad Medical College* |

**EDUCATION / CARE DELIVERY**

<table>
<thead>
<tr>
<th>P691 - P713</th>
</tr>
</thead>
</table>
| **P691** IMPROVED TIMELINESS OF CARE FOR THE UNDERSERVED: AN ARGUMENT FOR PATIENT NAVIGATION  
*Jason F Ohlstein, MS, Thomas S Edwards, BS, Charles A Riley, MD, Joseph F Buell, MD, MBA, FACSE, Paul L Friedlander, MD, FACSE; Tulane University Department of Otolaryngology, Tulane University Department of Surgery* |
| **P692** ALGORITHM FOR PARAPARYNGEAL SPACE LESION MANAGEMENT IN THE ERA OF TRANSORAL ROBOTIC SURGERY  
*Christopher H Rassekh, Bert W O’Malley, Jr, MD, Cuneyt M Alper, MD, Laurie A Loevner, MD, David E Eibling, MD, Gregory S Weinstein, MD; University of Pennsylvania, University of Pittsburgh* |
P693 POPULATION CHARACTERIZATION WITH ORAL AND OROPHARYNGEAL CANCER IN SMALL OF HEAD AND NECK SURGERY SERVICE IN THE STATE OF SAO PAULO / BRAZIL
Alex F Porsani, MD, Marina M Silva, Miguel J Pitta; Santa Casa de Araraquara

P694 ASSESSMENT OF PATIENT EDUCATION AND SATISFACTION IN RELATION TO FREE FLAP SURGERY
Thuy-Van T Ho, MD, Kevin Sykes, PhD, MPH, Kiran Kakarala, MD, Yelizaveta Shnayder, MD; University of Kansas Medical Center

P695 PRIMARY HYDATID DISEASE MUSCULAR NECK: RARE PRESENTATION OF HYDATID DISEASE.
Pilar Schnneberger Hitschfeld, Cristian Gottschalk Saavedra, Jean Pierre Droguett Gimpel, Cristóbal Azócar Bizama, Álvaro Visscher Oyaneder; Hospital Dr. Hernán Henríquez Aravena (Temuco)

P696 A CARE PATHWAY TO IMPROVE PATIENT SAFETY, SATISFACTION AND DECREASE POST-OPERATIVE LENGTH OF STAY FOR CANCER RECONSTRUCTIVE 'FREE-FLAP' PATIENTS
Neal D Futran, MD, DMD, Jeffrey Houlton, MD, Amit Bhrany, MD, Carol Stimson, ARNP, Vanda Chaudhari, MHA, Kevin Kiemele, MS, Eduardo Mendez, MD, MS; University of Washington

P697 THE HIGH STAKES OF HEAD AND NECK SURGERY FOLLOWING RADIATION AND CHEMOTHERAPY - AN APPROACH TO PREDICTING RADIATION COMPLICATIONS.
Nolan B Seim, MD, Anna M Marcinow, MD, Theodoros N Teknos, MD, Amit Agrawal, MD, Enver Ozer, MD, Ricardo L Carrau, MD, Matthew O Old, MD; Department of Otolaryngology-Head and Neck Surgery, Arthur G. James Cancer Hospital and Richard J. Solove Research Institute at The Ohio State Wexner Medical Center, Columbus, Ohio

P698 THE IMPACT OF TECHNOLOGY ON PATIENT SUPPORT IN HEAD AND NECK CANCER
Brenda Capobres Villegas, MS, CCAASLP, Laishyang “Melody” Ouyoung, MS, CCAASLP, Uttam Sinha, MD, MS, FACS; University of Southern California (USC)

P699 TELEMEDICINE ACROSS THE GLOBE: THE USC AND AIMS EXPERIENCE
Brenda Capobres Villegas, MS, CCAASLP, Laishyang “Melody” Ouyoung, MS, CCAASLP, Vidhyadharan Sivakumar, MBBS, MS, DNB, MCh, Subramania Iyer, MBBS, MS, DNB, MCh, Uttam K Sinha, MD, MS, FACS; 1University of Southern California (USC), 2Amrita Institute of Medical Sciences

P700 SAFETY AND UTILITY OF RIGID AND FLEXIBLE ESOPHAGOSCOPY IN AN OTOLARYNGOLOGY TRAINING PROGRAM
Yelena Kiseleva, BS; Daniel Clayburgh, MD, PhD; 1Pacific Northwest University of Health Sciences, 2Oregon Health and Science University

P701 “FRAGILE” NOT AGILE STANDARDIZED TRACHEOSTOMY AND LARYNGECTOMY CARE IN OUTPATIENT RADIATION ONCOLOGY
Magpie Fisher, RN, BSN, CORLN, Cynthia Oster, PhD, MBA, APRN, ACNSBC, ANP; Porter Adventist Hospital

P702 USING TECHNOLOGY TO SUPPORT CANCER CARE IN A LARGE MULTIDISCIPLINARY INTEGRATED HMO
Charles Meltzer, MD, Nathalie Nguyen, MD; Kaiser Permanente

P703 SURGICAL APPROACHES TO VASCULAR ANOMALIES OF THE MIDFACE: ANALYSIS OF 139 CASES
Dylan F Roden, MD, MPH, Teresa O, MD, Milton Waner; 2Department of Otolaryngology - Head & Neck Surgery, New York University, 3New York Vascular Birthmark Institute

P704 PREDICTORS AND COSTS OF RETURNS TO THE EMERGENCY DEPARTMENT AFTER HEAD AND NECK SURGERY: A QUALITY OUTCOMES ANALYSIS
Michael Baskin, MD, Jingnan Zhang, BS, Carol Dirain, PhD, Raja Sawhney, MD, MFA, Gileno Fonseca, BSc, John W Werning, MD, Brian J Boyce, MD, Mikhail Vaysberg, DO, Peter T Dziegielewski, MD, FRCSC; University of Florida

P705 ESTHESIONEUROBLASTOMA WITH DELAYED NECK METASTASIS
Roger Su, MD, James Fortson, MD, MPH, MBA, FACE, CPE, Pavan G Bhat, MD, Sahiba Kurhana; Atlanta Cancer Research and Education Foundation

P706 POSTOP WARD BASICS: ENHANCED PATIENT RECOVERY THROUGH A SURGICAL CHECKLIST
Neil Sharma, MBChB, PhD, FRCS(ORL-HNS); Joel Smith, MBChB, MD, FRCS, Paul Pracy, MBBS, FRCS, Paul Nankivell, BMBch, PhD, FRCS; 1Sydney Head & Neck Cancer Institute, 2University Hospital Birmingham

P707 RELATIVE BENEFITS OF INTER-SPECIALTY SURGICAL TRAINING
Jay Goswamy, Cameron Davies-Husband, Neil DeZoya, Jagtar Dhanda, Lisa Fraser, Navin Mani, Jonathan Pollock, Alastair Fry; Training Interface Group in Head and Neck Oncology
P708 IMPLEMENTING A CURRICULUM TO ADDRESS HEAD AND NECK CANCER DISPARITIES IN OTOLARYNGOLOGY RESIDENCY PROGRAMS.
Rizwan Aslam, DO, MS, FACS; Tulane University

P709 ASSESSING RECRUITMENT AND EDUCATION STRATEGIES IN HAITIAN CREOLE PARTICIPANTS AT A COMMUNITY-BASED HEAD AND NECK CANCER SCREENING EVENT.
Joshua S George, BS1, Erin R Cohen, BS2, Monika E Freiser, MD, MPH2, Jason Leibowitz, MD3, Chetan Nayak, MD3, Zoukaa B Sargi, MD, MPH4; 1University of Miami Miller School of Medicine, 2University of Pittsburgh Medical Center

P710 ASSESSING THE BARRIERS AND ENABLERS TO IMPLEMENTING BEST PRACTICE NUTRITION CARE IN THE HEAD AND NECK ONCOLOGY MULTIDISCIPLINARY TEAM: A QUALITATIVE STUDY
Merran Findlay, MSc1, Nicole Rankin, PhD2, Kate White, Professor3, Tim Shaw, Professor4, Judith Bauer, Associate Professor3; 1Royal Prince Alfred Hospital, Sydney, Australia, 2Sydney Catalyst Translational Cancer Research Centre, The University of Sydney, Sydney, Australia, 3Cancer Nursing Research Unit, The Sydney Nursing School, University of Sydney, Sydney, Australia, 4Research in Implementation Science and eHealth (RISe), The University of Sydney, Australia

P711 OPTIMISING PERI-OPERATIVE CARE IN COMPLEX HEAD AND NECK CANCER PATIENTS
Jay Goswamy, Mr, Gareth Lloyd, Jennie Maclean, Jey Jeyanjali, Chima Oti, John Martin, Diana Bareisiene, Ricard Simo, Jean-Pierre Jeannon, Richard Oakley; Guy’s and St Thomas’ NHSFT

P712 HURTHLE CELL TUMOR OF THE THYROID: A CASE SERIES
James K Fortson, MD, MPH, MBA, FACE, CPE1, Roger Su, MD2, Pavan G Bhat, MD2, Sahiba Khurana2; 1EMT Associates of South Atlanta, 2Atlanta Cancer Research and Education Foundation

P713 SKIN CANCERS

P714 - P734

P714 AGE IS NOT A PREDICTOR OF PROGNOSIS IN METASTATIC CUTANEOUS SQUAMOUS CELL CARCINOMA OF THE HEAD AND NECK
Joel A Smith, MD, FRCS, ORLHNS, Sohaib Virk, Carsten E Palme, MBBS, FRACS, Hubert Low, MBBS, BSc, Med, FRACS, Sydney Ch'ng, MBBS, PhD, FRACS, Ruta Gupta, MD, MBBS, FRCPA, Kan Gao, Jonathan Clark, MBBS, BScMed, MBiostat, FRACS; Sydney Head and Neck Cancer Institute

P715 TUMOR MITOTIC RATE AND EPIDERMAL ATTACHMENT IN HEAD AND NECK MELANOMA
Erik Babajanian1, Akina Tamaki, MD1, Madeleine Strohl1, Jeremy Bordeaux, MD2, Kord Honda, MD3, Chad Zender, MD, FACS2; 1Case Western Reserve University School of Medicine, 2University Hospitals

P716 NON-MELANOMA SKIN CANCER OF THE HEAD AND NECK IN SOLID ORGAN TRANSPLANT RECIPIENTS
Amit Ritter, MD1, Gideon Bachar, MD1, Raphael Feinmesser, MD1, Thomas Shpitzer, MD1, Aron Popovtzer, MD2, Naomi Rabinovics, MD2; 1Department of Otolaryngology, Head and Neck Surgery, Reign Medical Center, Petach Tikva, Israel, 2Institute of Oncology, Davidoff Center, Rabin Medical Center, Petach Tikva, Israel

P717 RATE OF REGIONAL NODAL METASTASES OF CUTANEOUS SQUAMOUS CELL CARCINOMA IN THE IMMUNOSUPPRESSED PATIENT
Eamon J McLaughlin, MD, Thuzar M Shin, MD, PhD, Joseph F Sobanko, MD, Steven B Cannady, MD, Christopher J Miller, MD, Jason G Newman, MD; Hospital of the University of Pennsylvania

P718 PROGRAMMED CELL DEATH LIGAND-1 IN HIGH RISK CUTANEOUS SQUAMOUS CELL CARCINOMA OF THE HEAD AND NECK.
E Roper, Dr1, Sa Virk, Mr2, T Lum, Ms1, Ce Palme, AProfessor, Dr3, S Ch'ng, AProfessor, Dr3, M Boyer, Professor, Dr3, Jr Clark, AProfessor, Dr3, R Gupta, A Professor, Dr3; 1Tissue Pathology and Diagnostic Oncology, Royal Prince Alfred Hospital, Sydney, Australia, 2University of New South Wales, Sydney, Australia, 3University of New South Wales, Sydney, Australia

P719 NOVEL PROGNOSTIC MARKERS IN METASTATIC CUTANEOUS SCC OF THE HEAD AND NECK
Nir Hirshoren1, Alan Herschtal1, Julia Danne1, Stephen Kleid1, Benjamin J Dixon2, Matthew Magarey1, Angela Webb1, David Gyorki2; 1Division of surgical oncology, Peter MacCallum Cancer Centre, Melbourne, Australia, 2Division of surgical oncology, Peter MacCallum Cancer Centre, Melbourne, Australia. Department of Surgery, University of Melbourne, Australia.
Poster Listing

P720 PATTERNS OF LYMPHATIC SPREAD AND THE MANAGEMENT OF EYELID CARCINOMAS
Kazuki Hashimoto, PhD, Ryuju Yasumatsu, PhD, Satoshi Toh, PhD, Torahiko Nakashima, PhD, Takashi Nakagawa, PhD; Department of Otolaryngology, Graduate School of Medical Sciences, Kyushu University

P721 CUTANEOUS NASAL MALIGNANCIES IN MOROCCO: A DESCRIPTIVE ANALYSIS
Amine Rafik, MD, Samira Taquafi, MD, Mounia Diouri, Pr, Naima Bahechar, Pr, Abdessamad Chilhi, Pr; National Center of Burns and plastic surgery, University Hospital Ibn Rochd, Casablanca, Morocco

P722 THE METASTATIC POTENTIAL OF BASAL CELL CARCINOMA WITH MATRICAL DIFFERENTIATION
Christopher Maroun, Elie Alam, Ibrahim Khalife, Roger Moukarbel; American University of Beirut

P724 METASTATIC CUTANEOUS SQUAMOUS CELL CARCINOMA OF THE HEAD AND NECK TO THE PAROTID REGION LYMPH NODES-PATIENT CHARACTERISTICS, TREATMENT AND OUTCOMES
Douglas K Frank, MD1, Maged Ghaly, MD2; 1Hofstra Northwell School of Medicine, Northwell Cancer Institute and The Department of Otolaryngology, Long Island Jewish Medical Center, New Hyde Park, NY, 2Department of Radiation Medicine, Hofstra Northwell School of Medicine, Northwell Cancer Institute, Lake Success, NY

P725 PRIMARY SCALP ADENOCARCINOMA: A DIAGNOSTIC AND MANAGEMENT CHALLENGE
Yu Feng Soh, Dr1, Inny Busmanis, Dr2, Yongcheng Tan, Dr2, Tan Nqian Chye, Dr2; 1Singhealth Duke-NUS Head and Neck Centre, 2Department of Pathology Singapore General Hospital

P726 VERSATILITY OF CHEEK ROTATION FLAP
Sam Yong Lee, Jun Ho Choi, Kwang Seog Kim, Yu Jin Kwon, Hong Min Kim, Kyung Phil Kim, Jae Ha Hwang; Department of Plastic and Reconstructive Surgery, Chonnam National University Medical School, Gwangju, Korea

P727 DELAYED NECK METASTASIS IN A PATIENT WITH CUTANEOUS NEUROENDOCRINE CARCINOMA
Bradley T Johnson, MD1, Dennis D Diaz, MD1, Nway L Ko Ko, MD2; 1Orlando Veterans Affairs Medical Center, 2University of Central Florida Department of Internal Medicine

P728 THE EVOLVING ROLE OF THE HEAD AND NECK SURGEON IN UNRESECTABLE MELANOMA
Joseph F Goodman, MD, Bradley M Taylor, MD, Henry Stevenson-Perez, MD; Walter Reed National Military Medical Center

P729 PILOMATRIX CARCINOMA OF THE NECK: A CASE REPORT AND LITERATURE REVIEW
Antonio Gomez-pedraza, MD1, Gustavo Guzman Sombrero, MD2, Catherine Parmentier De Leon2, Elizabethquispe Susana, MD2, Mariana I. Herrera-guerrero, MD2; 1Instituto Nacional de Cancerologia, 2LA RAZA IMSS, abc MEDICAL CENTER

P730 ATYPICAL FIBROXANTHOMA WITH SYSTEMIC METASTASES: A RARE CASE
Natalia L Gomez, MD, Luis A Boccalatte, MD, Alejandro Yanzon de la Torre, MD, Pedro I Picco, MD, Juan J Larrañaga, MD; Hospital Italiano de Buenos Aires

P731 TREATMENT OPTIONS FOR PAROTID METASTASIS IN NON-MELANOMA SKIN CANCER: A 10-YEAR RETROSPECTIVE SURVIVAL ANALYSIS.
David Choi, MD, Natasha Cohen, MD, MSc, Michael Gupta, MD, MSc, FRCS; McMaster University

P732 CUTANEOUS MALIGNANCIES OF HEAD AND NECK AND RECONSTRUCTION BY LOCAL FLAPS IN A NEW PERIPHERAL CANCER CENTRE IN INDIA
Sumit Gupta, Dr1, Prathamsh Pai, Prof2, Tapas Dora, Dr1, Sankalp Sancheti, Dr1; 1Homi Bhabha Cancer Hospital, Sangrur, 2Tata Memorial Hospital, Mumbai

P733 PRIMARY MALIGNANT MELANOMA OF THE SUBMANDIBULAR SALIVARY GLAND: A UNIQUE CASE REPORT AND REVIEW OF THE LITERATURE
Phillip Pellitteri, DO, James Biery, PAC; Guthrie Clinic Ltd

P734 MUCOSAL MELANOMA VS SKIN MELANOMA COMPARATIVE STUDY IN HEAD AND NECK
Kuauhyama Luna-Ortiz, MD, Veronica Villavicencio-Valencia, MD, Hector Martinez-Said, MD; Instituto Nacional de Cancerologia
History of the Society

The contributions made by the two societies forming the AHNS are significant in the history of surgery in the United States. Dr. Hayes Martin conceived the Society of Head and Neck Surgeons in 1954, a surgeon considered by many to be the “father of modern head and neck tumor surgery.” The purpose of the society was to exchange and advance the scientific knowledge relevant to the surgery of head and neck tumors (exclusive of brain surgery) with an emphasis on cancer of the head and neck. Two years later, The American Society for Head and Neck Surgery was organized with the goal to “facilitate and advance knowledge relevant to surgical treatment of diseases of the head and neck, including reconstruction and rehabilitation; promote advancement of the highest professional and ethical standards as they pertain to the practice of major head and neck surgery; and to honor those who have made major contributions in the field of head and neck surgery, or have aided in its advancement.”

The new Society remains dedicated to the common goals of its parental organizations.

Mission Statement
The purpose of this society is to promote and advance the knowledge of prevention, diagnosis, treatment and rehabilitation of neoplasms and other diseases of the head and neck, to promote and advance research in diseases of the head and neck, and to promote and advance the highest professional and ethical standards.

Why Join the AHNS?
The American Head and Neck Society is an organization of physicians, scientists and allied health professionals dedicated to improving the understanding of Head and Neck Cancer and the care of patients afflicted with that disease. Membership is open to a wide variety of interested individuals in several categories that differ both in terms of responsibility and level of involvement in the society.

For more information about AHNS membership and to apply online, please visit www.ahns.info/member-central, call +1-310-437-0559, ext. 110 or ask at the AHNS Membership Booth for additional information.

The Benefits of AHNS Membership:
- Interaction with colleagues dedicated to promoting and advancing the knowledge of prevention, diagnosis, treatment, and rehabilitation of neoplasms and other diseases of the head and neck
- Member rates on all meeting registration fees
- The honor of being a part of our worldwide network of surgeons, physicians and health care professionals dedicated to the prevention and treatment of head and neck cancer
• Opportunities to partake in educational offerings, including those planned by the society and those co-sponsored by the society
• Opportunity to post regional meetings and courses on the AHNS “Related Meetings” web page
• Access to the AHNS member contact information in the “Members Only” section of our web site
• Monthly e-newsletter with updates about the society and head & neck surgery
• Ability to apply for research grant awards offered yearly
• Opportunity to participate on committees and to vote at the annual business meeting

**Qualifications for Active Fellowship**

Surgical applicants must be Diplomats of the American Board of Otolaryngology, Plastic Surgery, or Surgery or **OTHER EQUIVALENT CERTIFICATION BOARD**. Additionally, all applicants must be a fellow of the American College of Surgeons, Fellows in the Royal College of Surgeons (FRCS) or equivalent non-surgical organization.

**Qualifications for Associate Fellowship**

An applicant for Associate Fellowship must be a physician, dentist, or scientist who has special interest contributions in the field of neoplastic or traumatic diseases of the head and neck.

**Qualifications for Candidate Fellowship**

The trainee currently enrolled in an approved residency program in Otolaryngology, Plastic Surgery, or General Surgery or in a Fellowship program approved by the Advanced Training Council may become a Candidate Fellow.

**Qualifications for Corresponding Fellowship**

An applicant for Corresponding Fellowship must be a physician who specializes in the treatment of head and neck cancer, who by their professional associations and publications, would appear in the judgment of Council to be qualified to treat head and neck cancer. Corresponding Fellows must reside in a country other than the United States or Canada.

**Deadline for Next Membership Review is Monday, October 31, 2016**
## Officers of the AHNS

**President:** Dennis Kraus, MD  
**President-Elect:** Jeffrey Meyers, MD  
**Vice-President:** Jonathan Irish, MD  
**Secretary:** Brian B. Burkey, MD, MEd  
**Treasurer:** Ehab Hanna, MD  
**Past-Presidents:**  
- Douglas A. Girod, MD  
- Terry A. Day, MD  
- Mark K. Wax, MD  
**Foundation President:** Jatin Shah, MD, PhD

### Fellows-At-Large:

- Amy Chen, MD  
- D. Gregory Farwell, MD  
- David Goldberg, MD  
- Christine G. Gourin, MD  
- Neil D. Gross, MD  
- William Lydiatt, MD  
- Ellie Maghami, MD  
- David Terris, MD  
- Bevan Yueh, MD

## Committees of the AHNS

### ACGME Fellowship Accreditation Task Force

- Brian B. Burkey, MD (Chair) 2014-2016  
- Ralph W. Gilbert, MD 2014-2016  
- Douglas A. Girod, MD (Co-Chair) 2014-2016  
- William M. Lydiatt, MD 2014-2016  
- Ara A. Chalian, MD 2014-2016  
- Randal S. Weber, MD 2014-2016  
- Terry A. Day, MD 2014-2016

### Ad Hoc Oral Surgery Task Force

- William Lydiatt MD (Chair) 2013-2017  
- Neal Futran, MD 2013-2017  
- Scharukh Jalisi, MD 2013-2017

### Ad Hoc Young Members Committee

- Vikas Mehta (Co-Chair) 2015-2018  
- Jeff Liu, MD 2015-2018  
- Thomas Ow, MD (Co-Chair) 2015-2018  
- Luc Morris, MD MSc 2015-2018  
- Mihir Bhayani, MD 2015-2018  
- Melonie Nance, MD 2015-2018  
- Carole Fakhr, MD MPH 2015-2018  
- Vivian Wu, MD MPH 2015-2018  
- Kiran Kakarala, MD 2015-2018  
- Mark Zafereo, MD 2015-2018  
- Ted Leem, MD 2015-2018  
- Jose Zevallos, MD MPH 2015-2018  
- Carol Lewis, MD MPH 2015-2018

### Advanced Training Council

- Ara A. Chalian, MD (Chair) 2014-2019  
- Douglas K. Frank, MD 2015-2020  
- Donald T. Weed, MD (Secretary) 2014-2019  
- Enepekides, MD, FRCS 2015-2020  
- Amit Agrawal, MD 2014-2019  
- Douglas A. Girod, MD 2012-2017  
- William R. Carroll, MD 2013-2018  
- Babak Givi, MD 2014-2019  
- Amy Chen, MD 2014-2019  
- Robert Lindau, MD 2015-2020  
- Marc Cohen, MD 2015-2020  
- David J. Terris, MD 2012-2017

### Awards Committee

- William R. Carrol, MD (Chair) 2013-2016  
- Gregory L. Randolph, MD 2013-2016  
- Jaimanti Bakshi, MBBS, MD 2015-2018  
- William Russell Ryan, MD 2013-2016  
- Neal D. Futran, MD, DMD 2015-2018  
- John Yoo, MD 2013-2016  
- Frank R. Miller, MD 2014-2017

### CME Compliance & Measurement Committee

- Paul L. Friedlander, MD (Chair) 2013-2016  
- Jason G. Newman, MD, FACS 2013-2016  
- Samir Khariwala, MD 2014-2017  
- Hadi Seikaly, MD, FRCS 2013-2016  
- Padhya Tapan, MD 2014-2017  
- Marilene Wang, MD 2014-2017  
- Giovana Thomas, MD 2014-2017  
- John R. de Almeida, MD MSc 2015-2018  
- Brian B. Burkey, MD (Ex-Officio) 2013-2016  
- Oleg Miilitsak, MD 2015-2018  
- Jason Anthony Diaz, MD 2013-2016  
- Trad J. Wadsworth, MD 2015-2018
### Committees of the AHNS

#### Constitution & Bylaws Committee
- **Ellie Maghami, MD** (Chair) 2013-2016
- **Christopher H. Rassekh, MD** 2013-2016
- **Brian B. Burkey, MD (Ex Officio)** 2013-2016
- **Terry T Tsue, MD** 2014-2017
- **Ivan El-Sayed, MD** 2015-2018
- **Rizwan Aslam, DO** 2013-2016

#### Credentials Committee
- **Dennis Kraus, MD** (Chair) 2015-2018
- **Sandeep Samant, MS, FRCS** 2013-2016
- **Doug Girod, MD** 2014-2017
- **Terry A. Day, MD** 2014-2016
- **Brian B. Burkey, MD (Ex Officio)** 2013-2016
- **Jeremy Richmond, MD** 2015-2018

#### Development Committee
- **Bert W. O’Malley Jr, MD** (Chair) 2013-2016
- **Jeffrey Scott Magnuson, MD**
- **Bevan Yueh, MD (Ex-Officio)** 2013-2016
- **Anna M. Pou, MD** 2014-2017
- **Jeffrey M. Bumpous, MD** 2013-2016
- **James Rocco MD, PhD** 2013-2016
- **Robert L. Ferris, MD, PhD** 2013-2016
- **Neal D. Futran, MD, DMD** 2013-2016
- **David J.Terris MD, FACS** 2013-2016
- **Ehab Y. Hanna, MD** 2013-2016
- **Randal S. Weber, MD** 2013-2017
- **Floyd “Chris” Holsinger, MD** 2015-2018
- **Jonathan Irish, MD** 2013-2016
- **WendellYarbrough, MD** 2014-2017

#### Education Committee
- **David Goldenberg, MD** (Chair) 2013-2016
- **Christopher Rassekh, MD** 2014-2017
- **Karen T. Pitman, MD** 2013-2016
- **Theodoros N. Teknos, MD** 2012-2015
- **Amit Agrawal, MD** 2014-2017
- **Terrance T. Tsue, MD** 2012-2015
- **Neil Dwayne Gross, MD** 2014-2017
- **Frank Miller, MD** 2014-2017
- **Babak Givi, MD** 2013-2016
- **Stuart Charles Coffey, MD** 2012-2015
- **Nathan Hales, MD** 2013-2016
- **Tamer Ghanem, MD, PhD** 2012-2015
- **Arjun Joshi, MD** 2013-2016
- **Jeffrey Chang-Jen Liu, MD** 2012-2015
- **Brett A. Miles, MD** 2013-2016
- **Luc G.T. Morris, MD MSc** 2012-2015
- **Matthew C. Miller, MD** 2013-2016
- **Thomas Ow, MD** 2014-2017
- **Jeremy Richmon, MD** 2013-2016
- **Nitin A. Pagedar, MD** 2012-2015
- **Nilesh R. Vasan, MD** 2013-2016

#### Endocrine Committee
- **Gregory Randolph, MD** (Chair) 2013-2016
- **Gady Har-EI, MD** 2013-2016
- **Nishanth Agrawal, MD** 2013-2016
- **Jeffrey R. Harris, MD** 2015-2018
- **William B. Armstrong, MD** 2013-2016
- **Emad Kandil, MBBCh** 2013-2016
- **Claudio Cernea, MD** 2014-2017
- **Mauricio Moreno, MD** 2014-2017
- **Andres Ignacio Chala, MD** 2013-2016
- **Joseph Scharpf, MD, FACS** 2013-2016
- **David M. Cognetti, MD** 2013-2016
- **Catherine Fiona Sinclair, MD, FRACS** 2013-2016
- **Louise Davies, MD, MS** 2015-2018
- **Mark Zafereo, MD** 2013-2016
- **Ummaheswar Duvvuri, MD** 2013-2016
- **David Steward, MD** 2014-2017
- **Ian Ganly, MD, PhD** 2015-2018
- **Mike Yao, MD** 2015-2018
- **David Paul Goldstein, MD, FRCS** 2015-2018

#### Endocrine Task Force
- **Jeff Myers, MD** (Chair) 2014-2017
- **Brenden Stack, MD** 2014-2017
- **Gregory Randolph, MD** 2013-2016
- **David Terriss, MD** 2014-2017
- **Maise Shindo, MD** 2014-2017

#### Ethics and Professionalism Committee
- **Susan Dixon McCammon, MD (Chair)** 2013-2016
- **Andrew Shuman, MD** 2014-2017
- **Michael Stadler, MD** 2013-2016
- **Kiran Kakarala, MD** 2014-2017
- **Krishnamurthi Sundaram, MD** 2013-2016
- **Robert Lindau, MD** 2013-2016
- **Marita Shan-Shan Teng, MD** 2015-2018
- **Robert H. Maisel, MD** 2013-2016
- **Marileene B. Wang, MD** 2013-2016
- **Enver Ozer, MD** 2013-2016
- **Steven J. Wang, MD** 2013-2016
- **Sara Pai, MD, PhD** 2015-2018

#### Finance Committee
- **Ralph P. Tufano, MD (Chair)** 2015-2016
- **Eben Rosenthal MD** 2015-2018
- **Ehab Y. Hanna, MD (Ex Officio)** 2013-2016
- **Steven Wang, MD** 2014-2017
### Committees of the AHNS

#### Head & Neck Reconstructive Committee

<table>
<thead>
<tr>
<th>Name</th>
<th>Years</th>
<th>Name</th>
<th>Years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Derrick Lin, MD (Chair)</td>
<td>2015-2016</td>
<td>Jason M. Leibowitz, MD</td>
<td>2013-2016</td>
</tr>
<tr>
<td>Vasu Divi, MD</td>
<td>2014-2017</td>
<td>Timothy S. Lian, MD</td>
<td>2013-2016</td>
</tr>
<tr>
<td>Neal D. Futran, MD, DMD</td>
<td>2013-2016</td>
<td>Brian Nussbaum, MD</td>
<td>2013-2016</td>
</tr>
<tr>
<td>Tamer Ghanem, MD, PhD</td>
<td>2013-2016</td>
<td>Matthew Old, MD</td>
<td>2014-2017</td>
</tr>
<tr>
<td>Matthew M. Hanasono, MD</td>
<td>2013-2016</td>
<td>Urjeet Patel, MD</td>
<td>2015-2018</td>
</tr>
<tr>
<td>Gregory Karl Hartig, MD</td>
<td>2013-2016</td>
<td>Jason Thomas Rich, MD</td>
<td>2015-2018</td>
</tr>
<tr>
<td>Kevin McLoughlin Patrick Higgins, MD</td>
<td>2015-2018</td>
<td>Jeremy Richmond, MD</td>
<td>2015-2018</td>
</tr>
<tr>
<td>Joshua Hornig, MD</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### History Committee

<table>
<thead>
<tr>
<th>Name</th>
<th>Years</th>
<th>Name</th>
<th>Years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jeffrey D. Spiro, MD (Chair)</td>
<td>2013-2016</td>
<td>Andrew Shuman, MD</td>
<td>2014-2017</td>
</tr>
<tr>
<td>Bruce H. Campbell, MD</td>
<td>2015-2018</td>
<td>Giovanna Thomas, MD</td>
<td>2014-2017</td>
</tr>
<tr>
<td>Susan Dixon McCammon, MD</td>
<td>2013-2016</td>
<td>Steven Wang, MD</td>
<td>2014-2017</td>
</tr>
</tbody>
</table>

#### Humanitarian Committee

<table>
<thead>
<tr>
<th>Name</th>
<th>Years</th>
<th>Name</th>
<th>Years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mark Zafereo, MD (Chair)</td>
<td>2013-2016</td>
<td>Larry L. Myers, MD</td>
<td>2013-2016</td>
</tr>
<tr>
<td>Wayne Koch, MD (Ex Officio)</td>
<td>2015-2016</td>
<td>Phillip Pirgousis, MD, DMD</td>
<td>2015-2018</td>
</tr>
<tr>
<td>Bruce H. Campbell, MD</td>
<td>2015-2018</td>
<td>Kevin Potts, MD</td>
<td>2014-2017</td>
</tr>
<tr>
<td>Neal D. Futran, MD, DMD</td>
<td>2013-2016</td>
<td>Jason Thomas Rich, MD</td>
<td>2015-2018</td>
</tr>
<tr>
<td>Arjun S. Joshi, MD</td>
<td>2015-2018</td>
<td>Michael Stadler, MD</td>
<td>2013-2016</td>
</tr>
<tr>
<td>Adam Luginbuhl, MD</td>
<td>2015-2018</td>
<td>Kerstin M. Stenson, MD</td>
<td>2013-2016</td>
</tr>
<tr>
<td>Michael Moore, MD</td>
<td>2014-2017</td>
<td>Chad Zender, MD</td>
<td>2015-2018</td>
</tr>
</tbody>
</table>

#### Nominating Committee

<table>
<thead>
<tr>
<th>Name</th>
<th>Years</th>
<th>Name</th>
<th>Years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Douglas A. Girod, MD (Chair)</td>
<td>2015-2016</td>
<td>Mark K. Wax, MD</td>
<td>2015-2016</td>
</tr>
<tr>
<td>Susan Dixon McCammon, MD</td>
<td>2015-2016</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Prevention & Early Detection Committee

<table>
<thead>
<tr>
<th>Name</th>
<th>Years</th>
<th>Name</th>
<th>Years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Joseph Anthony Califano, MD (Chair)</td>
<td>2013-2016</td>
<td>Mumtaz J. Khan, MD</td>
<td>2013-2016</td>
</tr>
<tr>
<td>Rodrigo Bayon, MD</td>
<td>2013-2016</td>
<td>Jason M. Leibowitz, MD</td>
<td>2013-2016</td>
</tr>
<tr>
<td>Stanley H. Chia, MD</td>
<td>2013-2016</td>
<td>Jan S. Lewin, MD</td>
<td>2013-2016</td>
</tr>
<tr>
<td>David M. Cognetti, MD</td>
<td>2013-2016</td>
<td>Michael Moore, MD</td>
<td>2014-2017</td>
</tr>
<tr>
<td>Andrew Thomas Cowan, MD, PhD</td>
<td>2013-2016</td>
<td>Cherie Ann Nathan, MD</td>
<td>2014-2017</td>
</tr>
<tr>
<td></td>
<td>2013-2016</td>
<td>Enver Ozer, MD</td>
<td>2013-2016</td>
</tr>
<tr>
<td></td>
<td>2013-2016</td>
<td>Vincente Resto, MD, PhD</td>
<td>2013-2016</td>
</tr>
<tr>
<td>Elizabeth Franzmann, MD</td>
<td>2014-2017</td>
<td>Erich Sturgis, MD</td>
<td>2014-2017</td>
</tr>
<tr>
<td>Deepak Kademani, DMD, MD</td>
<td>2013-2016</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Publications Committee

<table>
<thead>
<tr>
<th>Name</th>
<th>Years</th>
<th>Name</th>
<th>Years</th>
</tr>
</thead>
<tbody>
<tr>
<td>D. Gregory Farwell, MD (Chair)</td>
<td>2013-2016</td>
<td>Luc G.T. Morris, MD</td>
<td>2013-2016</td>
</tr>
<tr>
<td>Paul Levine, MD (Ex Officio)</td>
<td>2014-2016</td>
<td>Tapan Padhya, MD</td>
<td>2014-2017</td>
</tr>
<tr>
<td>William B. Armstrong, MD</td>
<td>2013-2016</td>
<td>Phillip Pirgousis, MD</td>
<td>2014-2017</td>
</tr>
<tr>
<td>Brian A. Burkey, MD</td>
<td>2013-2016</td>
<td>Vincente Resto, MD, PhD</td>
<td>2014-2017</td>
</tr>
<tr>
<td>David Goldstein, MD</td>
<td>2014-2017</td>
<td>Sarh Rohde, MD</td>
<td>2014-2017</td>
</tr>
<tr>
<td>Matthew M. Hanasono, MD</td>
<td>2013-2016</td>
<td>William Russell Ryan, MD</td>
<td>2013-2016</td>
</tr>
<tr>
<td>Samir Kharwala, MD</td>
<td>2013-2016</td>
<td>Nabil Saba, MD</td>
<td>2014-2017</td>
</tr>
<tr>
<td>Amy Anne Donatelli Lassig, MD, BA</td>
<td>2015-2018</td>
<td>Don Weed, MD</td>
<td>2014-2017</td>
</tr>
<tr>
<td>Pierre Lavertu, MD</td>
<td>2013-2016</td>
<td>John Werning, MD</td>
<td>2014-2017</td>
</tr>
<tr>
<td>Eric Lentsch, MD</td>
<td>2013-2016</td>
<td>Jeffrey Wolf, MD</td>
<td>2013-2016</td>
</tr>
<tr>
<td>Kyle Mannion, MD</td>
<td>2013-2016</td>
<td>Mike Yao, MD</td>
<td>2014-2017</td>
</tr>
</tbody>
</table>
## Committees of the AHNS

### Quality of Care Committee

<table>
<thead>
<tr>
<th>Name</th>
<th>Term</th>
<th>Chair</th>
<th>Term</th>
<th>Member</th>
<th>Term</th>
</tr>
</thead>
<tbody>
<tr>
<td>John Ridge, MD, PhD (Chair)</td>
<td>2015-2018</td>
<td>Pierre Lavertu, MD</td>
<td>2013-2016</td>
<td>John Ridge, MD, PhD (Chair)</td>
<td>2015-2018</td>
</tr>
<tr>
<td>Amy Hessel, MD (Ex Officio)</td>
<td>2015-2016</td>
<td>Jason Leibowitz, MD</td>
<td>2015-2018</td>
<td>Amy Hessel, MD (Ex Officio)</td>
<td>2015-2016</td>
</tr>
<tr>
<td>Steve S Chang, MD</td>
<td>2015-2018</td>
<td>A. Daniel Pinheiro, MD, PhD</td>
<td>2015-2018</td>
<td>Steve S Chang, MD</td>
<td>2015-2018</td>
</tr>
<tr>
<td>Kiran Kakarala, MD</td>
<td>2015-2018</td>
<td>Douglas K. Frank, MD</td>
<td>2015-2018</td>
<td>Kiran Kakarala, MD</td>
<td>2015-2018</td>
</tr>
</tbody>
</table>

### Research Committee

<table>
<thead>
<tr>
<th>Name</th>
<th>Term</th>
<th>Chair</th>
<th>Term</th>
<th>Member</th>
<th>Term</th>
</tr>
</thead>
<tbody>
<tr>
<td>Babak Givi, MD (Chair)</td>
<td>2013-2016</td>
<td>Young Kim, MD, PhD</td>
<td>2015-2018</td>
<td>Babak Givi, MD (Chair)</td>
<td>2013-2016</td>
</tr>
<tr>
<td>(Ex Officio)</td>
<td>2015-2016</td>
<td>Phillip Pirogousis, MD, DMD</td>
<td>2015-2018</td>
<td>(Ex Officio)</td>
<td>2015-2016</td>
</tr>
<tr>
<td>John Ruksan de Almeida, MD, MSc</td>
<td>2013-2016</td>
<td>Paul M. Spring, MD</td>
<td>2015-2018</td>
<td>John Ruksan de Almeida, MD, MSc</td>
<td>2013-2016</td>
</tr>
<tr>
<td></td>
<td>2015-2018</td>
<td>Ravindra Uppaluri, MD, PhD</td>
<td>2014-2017</td>
<td></td>
<td>2015-2018</td>
</tr>
<tr>
<td>Mark J. Jameson, MD, PhD</td>
<td>2015-2018</td>
<td>Bevan Yueh, MD</td>
<td>2013-2016</td>
<td>Mark J. Jameson, MD, PhD</td>
<td>2015-2018</td>
</tr>
<tr>
<td>Arjun Joshi, MD</td>
<td>2013-2016</td>
<td>Baran Devrim Sumer, MD</td>
<td>2016-2019</td>
<td>Arjun Joshi, MD</td>
<td>2013-2016</td>
</tr>
<tr>
<td>Seungwon Kim, MD</td>
<td>2015-2018</td>
<td></td>
<td></td>
<td>Seungwon Kim, MD</td>
<td>2015-2018</td>
</tr>
</tbody>
</table>

### Survivorship Committee

<table>
<thead>
<tr>
<th>Name</th>
<th>Term</th>
<th>Chair</th>
<th>Term</th>
<th>Member</th>
<th>Term</th>
</tr>
</thead>
<tbody>
<tr>
<td>Matthew Miller, MD (Chair)</td>
<td>2013-2016</td>
<td>Ben Roman, MD</td>
<td>2014-2016</td>
<td>Matthew Miller, MD (Chair)</td>
<td>2013-2016</td>
</tr>
<tr>
<td>David Cognetti, MD</td>
<td>2013-2016</td>
<td>Andrew Shuman, MD</td>
<td>2013-2016</td>
<td>David Cognetti, MD</td>
<td>2013-2016</td>
</tr>
<tr>
<td>Louise Davies, MD</td>
<td>2013-2016</td>
<td>Joshua Waltonen, MD</td>
<td>2015-2018</td>
<td>Louise Davies, MD</td>
<td>2013-2016</td>
</tr>
<tr>
<td>Carole Fakhry, MD</td>
<td>2013-2016</td>
<td>John Werning, MD</td>
<td>2015-2018</td>
<td>Carole Fakhry, MD</td>
<td>2013-2016</td>
</tr>
<tr>
<td>Carol Lewis, MD</td>
<td>2013-2016</td>
<td>Mark Zafero, MD</td>
<td>2015-2018</td>
<td>Carol Lewis, MD</td>
<td>2013-2016</td>
</tr>
<tr>
<td>Kelly Malloy, MD</td>
<td>2013-2016</td>
<td></td>
<td></td>
<td>Kelly Malloy, MD</td>
<td>2013-2016</td>
</tr>
</tbody>
</table>

### Website Committee

<table>
<thead>
<tr>
<th>Name</th>
<th>Term</th>
<th>Chair</th>
<th>Term</th>
<th>Member</th>
<th>Term</th>
</tr>
</thead>
<tbody>
<tr>
<td>Snehal G. Patel, MD, FRCS (Chair)</td>
<td>2015-2018</td>
<td>Ivan El-Sayed, MD</td>
<td>2015-2018</td>
<td>Snehal G. Patel, MD, FRCS (Chair)</td>
<td>2015-2018</td>
</tr>
<tr>
<td>Karen T. Pitman, MD (Ex Officio)</td>
<td>2015-2016</td>
<td>Mark J. Jameson, MD, PhD</td>
<td>2015-2018</td>
<td>Karen T. Pitman, MD (Ex Officio)</td>
<td>2015-2016</td>
</tr>
<tr>
<td>Samer Al-Khudari, MD</td>
<td>2014-2017</td>
<td>Mike Yao, MD</td>
<td>2015-2018</td>
<td>Samer Al-Khudari, MD</td>
<td>2014-2017</td>
</tr>
<tr>
<td>Brian B. Burkey, MD</td>
<td>2013-2016</td>
<td></td>
<td></td>
<td>Brian B. Burkey, MD</td>
<td>2013-2016</td>
</tr>
</tbody>
</table>

### Women in AHNS Task Force

<table>
<thead>
<tr>
<th>Name</th>
<th>Term</th>
<th>Chair</th>
<th>Term</th>
<th>Member</th>
<th>Term</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amy Chen, MD (Chair)</td>
<td>2014-2017</td>
<td>Karen Pitman, MD</td>
<td>2014-2017</td>
<td>Amy Chen, MD (Chair)</td>
<td>2014-2017</td>
</tr>
<tr>
<td>Amy Anne Donatelli Lassig, MD, BA</td>
<td>2015-2018</td>
<td>Ozlem Emine Tulunay, MD</td>
<td>2015-2018</td>
<td>Amy Anne Donatelli Lassig, MD, BA</td>
<td>2015-2018</td>
</tr>
</tbody>
</table>
## Committees of the AHNS

### Representatives

**AAO-HNSF Legislative Liaison**  
Jeffery Scott Magnuson, MD  2012-2018

**AAO-HNSF Advisory Committee**  
Randal S. Weber  2016

**AAO-HNSF Special Advisory Committee**  
Brian B. Burkey, MD  2013-2018  
Don Weed, MD  2013-2018

**American Board of Otolaryngology Liaison**  
Ramon Esclamado, MD  2013-2016

**American College of Surgeons Board of Governors**  
Theodoros N. Teknos, MD  2015-2018

**American College of Surgeons Board of Governors Advisory Council for Otolaryngology – Head & neck Surgery**  
Ellie Maghami, MD  2012-2015  
Theodoros N. Teknos, MD  2012-2015

**American College of Surgeons Commission on Cancer**  
Daniel G. Deschler, MD  2014-2017

**American Joint Committee on Cancer Membership and Bylaws Committee Liaison**  
Dennis Kraus, MD  2013-2016

**JAMA Otolaryngology – Head & Neck Surgery**  
D. Gregory Farwell, MD  2013-2016  (Associate Co-Editor)
Past-Presidents

The American Head and Neck Society:


The American Society for Head and Neck Surgery:

Nicholas J. Cassisi, MD (1996-97)  Loring W. Pratt, MD (1979-80)
Gary L. Schechter, MD (1994-95)  John A. Kirchner, MD (1977-78)
James Y. Suen, MD (1993-94)  George F. Reed, MD* (1976-77)
Bryon J. Bailey, MD (1992-93)  Emanuel M. Skolnick, MD* (1975-76)
Helmut Goeppert, MD (1990-91)  Charles M. Norris, MD* (1973-74)
Willard N. Fee, Jr., MD (1989-90)  Edwin W. Cooke, Jr., MD* (1972-73)
Eugene N. Myers, MD (1988-89)  Burton J. Soboroff, MD* (1971-72)
Charles J. Krause, MD (1987-88)  John S. Lewis, MD* (1970-71)
John M. Lore, Jr., MD* (1986-87)  George A. Sisson, MD* (1969-70)
Robert W. Cantrell, MD (1985-86)  W. Franklin Keim, MD* (1967-68)
Hugh F. Biller, MD (1984-85)  John F. Daly, MD* (1965-67)
Jerome C. Goldstein, MD (1982-83)  Paul Holinger, MD* (1961-63)

The Society of Head and Neck Surgeons:

Ronald H. Spiro, MD (1998)  Donald P. Shedid, MD (1977)
J. Edward M. Young, MD (1994)  Robin Anderson, MD* (1973)
Robert D. Harwick, MD (1988)  Oliver H. Beahrs, MD* (1967)
Frank C. Marchetta, MD* (1986)  Harry W. Southwick, MD* (1965)
Alando J. Ballantyne, MD* (1985)  Calvin T. Kloop, MD* (1964)
Alvin L. Watne, MD (1983)  Arnold J. Kremen, MD (1960-61)
John M. Moore, MD (1982)  Danely P. Slaughter, MD* (1959)
Elliott W. Strong, MD (1981)  Grant Ward, MD * (1958)
John C. Gaisford, MD (1979)  
William A. Maddox, MD (1978) *Deceased
### 2016 New Members

#### Active

<table>
<thead>
<tr>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eric P. Arruda</td>
</tr>
<tr>
<td>Joseph Brigance</td>
</tr>
<tr>
<td>Luke O. Buchmann</td>
</tr>
<tr>
<td>Natalya Chernichenko</td>
</tr>
<tr>
<td>Lukasz Czerwonka</td>
</tr>
<tr>
<td>Michael Deutschmann</td>
</tr>
<tr>
<td>William S. Duke</td>
</tr>
<tr>
<td>Marcia E. Eustaquio</td>
</tr>
<tr>
<td>Tanya Fancy</td>
</tr>
<tr>
<td>Nicole M. Fowler</td>
</tr>
<tr>
<td>Rafael I. Garcia</td>
</tr>
<tr>
<td>Laureano A. Giraldez-Rodriguez</td>
</tr>
<tr>
<td>Babak Givi</td>
</tr>
<tr>
<td>Zhen Gooi</td>
</tr>
<tr>
<td>Chase M. Heaton</td>
</tr>
<tr>
<td>Andrew T. Huang</td>
</tr>
<tr>
<td>Kunal S. Jain</td>
</tr>
<tr>
<td>Jeffrey B. Jorgensen</td>
</tr>
<tr>
<td>Dev P. Kamdar</td>
</tr>
<tr>
<td>Stephen Y. Kang</td>
</tr>
<tr>
<td>Sana D. Karam</td>
</tr>
<tr>
<td>Jason Kass</td>
</tr>
<tr>
<td>Ken Kazahaya</td>
</tr>
<tr>
<td>Alexandra E. Kejner</td>
</tr>
<tr>
<td>Levi G. Ledgerwood</td>
</tr>
<tr>
<td>Ryan Li</td>
</tr>
<tr>
<td>Ilya Likhterov</td>
</tr>
<tr>
<td>Avinash Mantravadi</td>
</tr>
<tr>
<td>Jonathan Mark</td>
</tr>
<tr>
<td>Mark Marzouk</td>
</tr>
<tr>
<td>Arash Mohebati</td>
</tr>
<tr>
<td>Wojciech K. Mydlarz</td>
</tr>
<tr>
<td>Aru Panwar</td>
</tr>
<tr>
<td>Chan W. Park</td>
</tr>
<tr>
<td>Rusha Patel</td>
</tr>
<tr>
<td>Sarah L. Rohde</td>
</tr>
<tr>
<td>Francis P. Ruggiero</td>
</tr>
<tr>
<td>Jesse Ryan</td>
</tr>
<tr>
<td>Andrew R. Salama</td>
</tr>
<tr>
<td>Brian D. Saunders</td>
</tr>
<tr>
<td>Arun Sharma</td>
</tr>
<tr>
<td>Michael C. Singer</td>
</tr>
<tr>
<td>Shaum S. Sridharan</td>
</tr>
<tr>
<td>Chaz L. Stucken</td>
</tr>
<tr>
<td>Sewit Teckie</td>
</tr>
<tr>
<td>Chafeek Tomeh</td>
</tr>
<tr>
<td>Ron Walker</td>
</tr>
<tr>
<td>Bharat B. Yarlagadda</td>
</tr>
</tbody>
</table>

#### Associate

<table>
<thead>
<tr>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vishal Gupta</td>
</tr>
<tr>
<td>Dean W. Lim</td>
</tr>
</tbody>
</table>

#### Corresponding

<table>
<thead>
<tr>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Salwan A. Alabdullah</td>
</tr>
<tr>
<td>Majid S. Al-Thobaiti</td>
</tr>
<tr>
<td>Jason Y. Chan</td>
</tr>
<tr>
<td>Norhfiza Mat Lazim</td>
</tr>
<tr>
<td>James P. O’Neill</td>
</tr>
<tr>
<td>Alcides A. Pinedo</td>
</tr>
<tr>
<td>Cardenas</td>
</tr>
<tr>
<td>Bolivar A. Villacis</td>
</tr>
</tbody>
</table>

#### Candidate

<table>
<thead>
<tr>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Faisal I. Ahmad</td>
</tr>
<tr>
<td>William G. Albergotti</td>
</tr>
<tr>
<td>Kimberly J. Atiyeh</td>
</tr>
<tr>
<td>Marco A. Ayala</td>
</tr>
<tr>
<td>Brittany Barber</td>
</tr>
<tr>
<td>Shethal Beareilly</td>
</tr>
<tr>
<td>jo-Lawrence M. Bigcas</td>
</tr>
<tr>
<td>Melissa M. Boltz</td>
</tr>
<tr>
<td>Justin R. Bond</td>
</tr>
<tr>
<td>Brian J. Boyce</td>
</tr>
<tr>
<td>christopher J. Britt</td>
</tr>
<tr>
<td>Serena A. Byrd</td>
</tr>
<tr>
<td>Raymond Chai</td>
</tr>
<tr>
<td>Karen Y. Choi</td>
</tr>
<tr>
<td>James H. Clark</td>
</tr>
<tr>
<td>Natasha Cohen</td>
</tr>
<tr>
<td>John D. Cramer</td>
</tr>
<tr>
<td>William J. Curtis</td>
</tr>
<tr>
<td>Laura M. Dooley</td>
</tr>
<tr>
<td>Daniel L. Faden</td>
</tr>
<tr>
<td>Mark H. Falco</td>
</tr>
<tr>
<td>Jonathan Fowlkes</td>
</tr>
<tr>
<td>Catherine H. Frenkel</td>
</tr>
<tr>
<td>Jonathan Giurintano</td>
</tr>
<tr>
<td>Evan M. Graboyes</td>
</tr>
<tr>
<td>Evan S. Greenbaum</td>
</tr>
<tr>
<td>Kelly Groom</td>
</tr>
<tr>
<td>Rebecca J. Hammon</td>
</tr>
<tr>
<td>Todd C. Hanna</td>
</tr>
<tr>
<td>Kyle M. Hatten</td>
</tr>
<tr>
<td>Ashley H. Hay</td>
</tr>
<tr>
<td>Matthew Hearn</td>
</tr>
<tr>
<td>David J. Hernandez</td>
</tr>
<tr>
<td>Matin Imanguli</td>
</tr>
<tr>
<td>Ryan S. Jackson</td>
</tr>
<tr>
<td>Azeem Kaka</td>
</tr>
<tr>
<td>Julie A. Kickbush</td>
</tr>
<tr>
<td>Daniel I. Kwon</td>
</tr>
<tr>
<td>Ian J. Lalich</td>
</tr>
<tr>
<td>Bradley R. Lawson</td>
</tr>
<tr>
<td>Shawn Li</td>
</tr>
<tr>
<td>Fawaz M. Makki</td>
</tr>
<tr>
<td>Jon Mallen-St. Clair</td>
</tr>
<tr>
<td>James R. Martin</td>
</tr>
<tr>
<td>Angela M. Osmolak</td>
</tr>
<tr>
<td>Thomas R. O’Toole</td>
</tr>
<tr>
<td>Michael Persky</td>
</tr>
<tr>
<td>Julianna Pesce</td>
</tr>
<tr>
<td>Timothy J. Phillips</td>
</tr>
<tr>
<td>Karthik Rajasekaran</td>
</tr>
<tr>
<td>Michael G. Roskies</td>
</tr>
<tr>
<td>Andrew J. Rosko</td>
</tr>
<tr>
<td>Mirabelle Sajisevi</td>
</tr>
<tr>
<td>Zafar Sayed</td>
</tr>
<tr>
<td>Jessica Somerville</td>
</tr>
<tr>
<td>Eugene L. Son</td>
</tr>
<tr>
<td>Lenka Stankova</td>
</tr>
<tr>
<td>Jayne R. Stevens</td>
</tr>
<tr>
<td>Mark S. Swanson</td>
</tr>
<tr>
<td>Larissa Sweeny</td>
</tr>
<tr>
<td>Samantha Tam</td>
</tr>
<tr>
<td>Marietta Tan</td>
</tr>
<tr>
<td>Punam G. Thakkar</td>
</tr>
<tr>
<td>Jason E. Thuener</td>
</tr>
<tr>
<td>Brittny N. Tillman</td>
</tr>
<tr>
<td>Samuel J. Trosman</td>
</tr>
<tr>
<td>Peter S. Vosler</td>
</tr>
<tr>
<td>Jennifer Wang</td>
</tr>
<tr>
<td>Nicholas E. Wirtz</td>
</tr>
<tr>
<td>Jonathan K. Yoon</td>
</tr>
<tr>
<td>Joseph Zenga</td>
</tr>
</tbody>
</table>
Funding a cure for head and neck cancer.  
It's more than doing your job.

The Research and Education Foundation is the non-profit foundation arm of the American Head and Neck Society. Our goal is to be the largest funder and supporter of head and neck cancer research and education grants. Presently the Foundation's focus lies in assuming the funding of all education and research grants offered through the AHNS. Once achieved, the Foundation will broaden our vision to expand the grant and research program, offering funding to innovate in the field of head and neck oncology.

To date, the Foundation has grown nearly entirely by the support of AHNS members and their great generosity. This is a true testament to the Foundation and your belief in our vision.

While financial contributions are the most straight-forward way to give and will go directly to fund our mission, there are other unique ways to give including donations of honorarium, stock or planned gifts.

The Foundation also welcomes partnerships with individuals, industry and foundations who may share a common desire to end head and neck cancer. Please speak with Kelly Honecker to inquire more about such opportunities at kelly@ahns.info.

For more information about the Foundation, or to make your gift today, go to www.ahnsfoundation.info or please come and visit the Foundation's Centurion Club Lounge in room 401.

Thank you,

Jatin P. Shah, MD
Foundation Chair
2016 Centurion Club Members

Thank you to our Centurion Club Members who support the Foundation with annual donations of $1,000 or more.

Elliot Abemayor          Derrick Lin
Amit Agrawal            William Lydiatt
Richard Bell            Ellie Maghami
Carol Bier-Laning       Susan Mccammon
Elizabeth Blair         Eugene Myers
William Bosley          Jeff Myers
Jeffrey Bumpous         Boris Naronov
Carol Bradford          Cherie-Ann Nathan
Brian Burkey            Brian Nussenbaum
Robert Byers            Matthew Old
Joseph Califano         Bert O’Malley
Bruce Campbell          Enver Ozer
William Carroll         Nitin Pagedar
Amy Chen                Karen Pitman
Chin-Yen Chien          Greg Randolph
Charles Coffey          Chris Rassekh
Terry Day               John Ridge
Daniel Deschler         James Rocco
U mamaheswar Duvvuri    Eben Rosenthal
David Eibling          John Saunders
David Eisle             Cecelia Schmalbach
Ramon Esclamado         Jatin Shah
Donald Farwell          Yelizaveta Shnayder
Gregory Farwell         Kerstin Stenson
Robert Ferris           Maie St. John
Paul Friedlander        Elliott Strong
Marlon Gillespie        Krishnamurthi Sundaram
Douglas Girod           Ted Teknos
David Goldenberg        David Terris
Christine Gourin        Marlene Wang
Neil Gross              Steven Wang
Patrick Gullane         Mark Wax
Jonathan Irish          Randall Weber
Jonas Johnson           Mark Weissler
Dennis Kraus            Wendell Yarbrough
Pierre Lavertu         Bevan Yueh
The first and only tests that use a tumor-initiating and stem cell associated biomarker combined with total protein to aid in early head and neck cancer detection.

Transforming the early detection and intervention of oral cancer™

INTRODUCING

- OncAlert™ Oral Cancer RAPID Test
- OncAlert™ Oral Cancer LAB Test
- OraMark™ by OncAlert™ Labs
  ✓ Simple, accurate, cost-effective
  ✓ Non-invasive oral rinse collection
  ✓ Rapid, POC and lab-based solutions
  ✓ Proprietary biomarker technology

VIGILANT BIOSCIENCES™
Dedicated to Early Intervention. And Life.™
vigilantbiosciences.com | oncalertlabs.com

The OncAlert™ LAB Test and the OncAlert™ RAPID Test are CE Marked and available for sale in certain international markets. The OncAlert™ RAPID Test and OncAlert™ LAB Test are not yet available for sale in the U.S. OraMark™ is a laboratory developed test and is available in the U.S. through OncAlert™ Labs, a CLIA certified laboratory.

Copyright 2016 by or under license to Vigilant Biosciences, Inc. All rights reserved. Subject to issued and pending international patent protection. All marks used herein are owned by Vigilant Biosciences, Inc.
ARE YOU READY FOR
BIG SCREEN SURGERY?

IMMERSE YOURSELF IN 4K ULTRA HD

- **Ultra High Definition Imaging** provides four times more pixels than conventional HDTV
- **Wider Color Gamut** displays more subtle differences in reds and yellows than conventional HD
- **Immersive Experience** on a 55" 4K UHD monitor

Visit our booth at AHNS or contact an Olympus representative at 800-773-4301

© 2016 Olympus America Inc. Trademark or Registered Trademark of Olympus and its affiliated entities in the U.S. and/or other countries of the world. All patents apply. OAIENT0716AD19061
Technology Transforming Head and Neck Cancer Care

July 16 - 20, 2016
Washington State Convention Center
Seattle, Washington

Headquarters Hotel:
Sheraton Seattle Hotel
1400 6th Ave, Seattle, WA

FINAL PROGRAM