On behalf of the Boards of Directors, it is with great pleasure that I welcome you to AAO-HNS’s 2017 Annual Meeting & OTO Experience in Chicago, Illinois. The AAO-HNS 2017 Annual Meeting & OTO Experience offers a unique opportunity for attendees to explore this year’s meeting theme, “Premiering Tomorrow, Today,” as we glimpse the future of otolaryngology, September 10-13, in Chicago, IL.

It is also an opportunity to learn from the world’s leading experts, hear from inspiring honorary guest lecturers, view the latest scientific research, and explore the latest products and services showcased in the OTO Experience. I hope you enjoy your time in Chicago at this premier education and networking event for the otolaryngologist-head and neck surgery community.

Sincerely,

Gregory W. Randolph, MD
AAO-HNS/F President

PRESIDENT’S RECEPTION

Join Gregory W. Randolph, MD, and Lorraine Randolph

Sunday, September 10, 6:00 pm – 7:30 pm
Sheraton Grand Chicago, Sheraton Ballroom
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Sunday, September 10  7:00 am - 5:00 pm
Monday, September 11  7:00 am - 5:00 pm
Tuesday, September 12  7:00 am - 5:00 pm
Wednesday, September 13  7:00 am - 10:30 am

www.entannualmeeting.org  #OTOMTG17
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## OFFICIAL HOTELS

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<td>165 East Ontario Street</td>
<td>1-312-573-0800</td>
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<tr>
<td>Embassy Suites Chicago Downtown</td>
<td>600 North State Street</td>
<td>1-312-943-3800</td>
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<td>Fairmont Chicago, Millennium Park</td>
<td>200 North Columbus Drive</td>
<td>1-312-565-8000</td>
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<td>Hampton Inn Chicago Downtown Magnificent Mile</td>
<td>160 East Huron Street</td>
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<td>152 East Huron Street</td>
<td>1-312-585-9333</td>
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<tr>
<td>Hotel Chicago Downtown, Autograph Collection</td>
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<td>1-312-245-0333</td>
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<tr>
<td>Hyatt Regency Chicago</td>
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<td>Swissotel Chicago</td>
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<td>Wyndham Grand Chicago Riverfront</td>
<td>71 East Wacker Drive</td>
<td>1-312-346-7100</td>
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AAO-HNS/F events will take place at the McCormick Place Convention Center (MPCC) and the Sheraton Grand Chicago.

- **MPCC**
  - Address: 2301 South Lake Shore Drive, Chicago, IL 60616

- **Sheraton Grand Chicago**
  - Address: 301 East North Water Street, Chicago, IL 60611
AAO-HNS Member Resource Center
MPCC, Lakeside Level 3, E354
Visit the AAO-HNS Member Resource Center to become a member, renew your membership dues, and get quick answers to your membership questions. A satellite membership counter will be open on Saturday, September 9, at the MPCC and Sheraton Grand Hotel.

Sunday, September 10  7:00 am – 6:00 pm
Monday, September 11  7:00 am – 6:00 pm
Tuesday, September 12  7:00 am – 6:00 pm
Wednesday, September 13  7:00 am – 6:00 pm

AcademyU® Learning Center
MPCC, Lakeside Level 3, E354
While at the 2017 Annual Meeting & OTO Experience, visit the AcademyU® Learning Center to hear more about the education opportunities that the AAO-HNSF offers. Staff will be available to demonstrate all of the Foundation’s education products and answer your questions. Attendees who purchased full conference registration will also receive access to ALL Annual Meeting webcasts via AcademyU!

Sunday, September 10  7:00 am – 6:00 pm
Monday, September 11  7:00 am – 6:00 pm
Tuesday, September 12  7:00 am – 6:00 pm
Wednesday, September 13  7:00 am – 12:30 pm

Accessibility
AAO-HNSF complies with the Americans with Disabilities Act §12112(a). Any participant in need of special assistance or with dietary restrictions, please visit the Level 2 Lobby registration area to ensure that your needs are met.

Download the Mobile App
Download the AAO-HNSF 2017 Annual Meeting & OTO Experience mobile app!

PLAN YOUR SCHEDULE
VIEW SESSION DESCRIPTIONS
READ SPEAKER BIOS & MORE.

Search ‘OTO 2017’ in Apple or Google Play stores.

Attendees must be logged into the app to experience full functionality.
Affiliate Meetings
A listing of events held in conjunction with the AAO-HNSF Annual Meeting & OTO Experience begins on page 35 and is searchable in the Annual Meeting mobile app.

Annual Meeting Recordings/Webcasts
**MPCC, Lakeside Level 3, E354**
The education opportunities don’t end with the close of the conference on September 13. This year, attendees who purchased full conference registration will receive access to the AcademyU® library of recorded 2017 education sessions. Visit: www.academyu.org.

Badges
For security reasons, conference badges will be required for admittance to all events. Badges should be worn and always visible. Lost badges must be reported to the registration staff immediately and a $25 USD fee will be charged to print a replacement badge.

Business Center
**MPCC, Lakeside Level 2, Gate 31 Entrance**
This full-service business center provides exhibitors and attendees with photocopying, faxing, and printing services. It will be open during the following times:

<table>
<thead>
<tr>
<th>Day</th>
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<tr>
<td>Sunday, September 10</td>
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<td>Wednesday, September 13</td>
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Cancellation Policy
There was a 25 percent processing fee on all cancellations received in writing on or before July 10, 2017. All other cancellation requests received in writing on or before August 11 were eligible for a 50 percent refund. No refunds will be processed if a cancellation was received after August 12, 2017. No refunds will be given for no-shows. Refunds will be processed within 30 days following the 2017 Annual Meeting & OTO Experience. Please remit cancellation requests to AAO-HNSF Annual Meeting Registration, 6100 West Plano Parkway, Suite 3500, Plano, TX 75093, or registrationhousing@entnet.org.

CME/Conference Evaluation
After you attend an education session or visit the poster area, be sure to evaluate the presentation to be eligible to receive continuing education credit. To access the session evaluation, go to www.entannualmeeting.org, or use the Annual Meeting mobile app. The CME/Conference evaluation online site will close on October 13, 2017.
Keep it in Hand — Paper and Digital

The Meeting Daily family of news products covers all the AAO-HNS/F meeting activities in one place.

Grab a newspaper with your morning coffee to preview the Day-at-a-Glance or check up on a session that you missed yesterday. It’s at your fingertips at stands throughout the Convention Center.

Go directly to online Meeting Daily on any device: http://aao-365.ascendeventmedia.com/

Make use of the FREE WiFi in the MPCC to connect to the Meeting Daily at www.entannualmeeting.org.

WiFi at the Convention Center:
Select OTO 2017 network

Coat and Luggage Check
MPCC, Lakeside Level 2, Hall E.
$3.00 per checked coat and $4.00 per checked bag.

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<th>Date</th>
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<td>Sunday, September 10</td>
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<tr>
<td>Wednesday, September 13</td>
<td>7:00 am – 1:00 pm</td>
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Committee Meetings
Please refer to page 26 for a full listing of scheduled committee meetings including the date, time, and location. For details about AAO-HNS/F committee activities, contact committees@entnet.org.
Community Service  
**MPCC, Lakeside Level 3, Inside Hall D**

With a greater emphasis on giving back to our host city, the AAO-HNSF is proud to be partnering with Cradles to Crayons® in Chicago. Cradles to Crayons provides children from birth through age 12, living in homeless or low-income situations, with the essential items they need to thrive — at home, at school, and at play. They supply these items free of charge by engaging and connecting with communities that are in need. In Illinois, one in four children under age five lives in poverty. More than 197,000 of those children call Chicago home — and each deserves a warm coat for winter. The AAO-HNSF is proud to accept donations to this worthy cause — gift cards, winter coats, pajamas, socks, hats, gloves, toys, and books — are being accepted.

Computer Station  
**MPCC, Lakeside Level 3, E354**

Complete your conference and session evaluations at the Computer Station during conference hours.

**Corporate Satellite Symposia**

Corporate Satellite Symposia provide attendees with information on specific areas of otolaryngology. Program content is the sole responsibility of the Sponsor/Medical Education Provider. The AAO-HNSF does not award continuing education credit for Corporate Satellite Symposia.

**Monday, September 11**

*5:00 am - 7:00 am, Sheraton Grand Chicago, Sheraton Ballroom III*

The New FDA Warning on Pediatric General Anesthesia — What it Means to You, Your Practice, and Your Patients

Sponsored by: Preceptis Medical, Inc.

*7:00 pm - 9:00 pm, Sheraton Grand Chicago, Sheraton Ballroom IX*

Targeting Histamine Receptors for Vertigo Therapy

Sponsored by: Auris Medical AG

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**McCormick Place Convention Center Free WiFi**

Network: OTO 2017

AAO-HNSF 2017 Annual Meeting & OTO Experience 7
Electronic Devices and Recording Equipment
All cell phones and video cameras must be turned off during sessions. Recording of any kind is prohibited at all education activities, events, and the OTO Experience.

ENT Careers Live!
*MPCC, Lakeside Level 3, OTO Experience, Booth 135*
Employers and job seekers have the opportunity to recruit candidates and find a job. Visit the ENT Careers Live! booth to take advantage of this trusted otolaryngology employment resource.

First Aid
*MPCC, Lakeside Level 3, E354*
If fire, medical, or police assistance is needed:
- DIAL Extension 6060 from a house telephone
- DIAL 1-312-791-6060 from an outside phone line (including the Hyatt Regency McCormick Place)

Please refrain from calling 911. Stay on the line, calls are recorded. An officer will answer immediately. Be prepared to provide the location of the emergency by building, level, and either hall, meeting room, or corridor.

NEW! ENT Over-the-Counter (OTC) Pavilion
*MPCC, Lakeside Level 3, OTO Experience, Booth 123*
The ENT OTC Pavilion was created for exhibitors to showcase their over-the-counter products and how they would best benefit your patients.

Food Concessions
Located in the OTO Experience are a limited number of for-purchase food concession stands. These areas are not part of the lunch service included in your full or daily conference registration fee. Concession stand customers are responsible for all charges.

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**Opening Ceremony**

*The Future of Health and Medicine: Where Can Technology Take Us?*
Presented by Daniel Kraft, MD

Sunday, September 10, 8:30 am - 9:30 am
*MPCC, Arie Crown Theater*

The Opening Ceremony of the AAO-HNSF Annual Meeting & OTO Experience will feature Daniel Kraft, MD, a Stanford and Harvard trained physician-scientist, inventor, and entrepreneur who has over 20 years of experience in clinical practice, biomedical research, and healthcare innovation.
Global Connections Room
*MPCC, Lakeside Level 2, E252*
We extend a special welcome to leaders of the International Corresponding Societies (ICS) and invite them to special invitation only events and meetings. To affiliate your society with our Academy, contact international@entnet.org. The ICS relationship is friendly, informal, and collegial, with no legal or financial ties on either side.

**Hands-On Demonstration and Training Lab**
*MPCC, Lakeside Level 3, OTO Experience, Booth 1742*
Hands-on Demonstration and Training Labs are supported by the corporate community in conjunction with the AAO-HNSF Annual Meeting & OTO Experience. Participating companies will provide all medical supplies, tissue, and cadaveric specimens to create a unique hands-on learning experience. Program content is the sole responsibility of the Sponsor and their Medical Education Provider.

**Monday, September 11**

10:30 am - 12:30 pm  
**Visualization Technologies and Techniques for the Management of Sinus Disease**  
Sponsored by: Olympus America Inc.

2:00 pm - 4:00 pm  
**Surgical Innovation Forum: The Evolution of Patient Safety & Efficacy: From Electrocautery to Electrically Silent Precision**  
Sponsored by: OmniGuide

**International Registration Assistance**
*MPCC, Lakeside Level 2, Lobby*
International Registration Assistance is geared toward international attendees seeking to print certificates of attendance, find out about conference sessions and activities with a global perspective, and access resources about Chicago, IL. Multilingual staff and materials are available to assist you.
Lunch
MPCC, Lakeside Level 3, OTO Experience, Back of the Hall
Every full and daily conference registrant will receive a lunch ticket for each day they are registered to attend the conference. Tickets can be found within your registration badge. Lunch tickets will be collected when you enter the lunch area within the OTO Experience. Box lunches will be served:

- Sunday, September 10 12:00 pm - 1:00 pm
- Monday, September 11 12:15 pm - 1:15 pm
- Tuesday, September 12 12:00 pm - 1:00 pm

Lunch with the Experts
MPCC, Lakeside Level 3, OTO Experience, Booth 2500
Lunch with the Experts provides an opportunity for conference attendees to interact with otolaryngology legends. Held in the OTO Experience, an intimate atmosphere will be created for peer exchange and discussion. Tickets can be pre-purchased for $50.00 USD.

Submission of Manuscripts to Otolaryngology—Head and Neck Surgery
All oral abstracts presented at the AAO-HNSF Annual Meeting & OTO Experience become property of the Foundation. All oral presentations presented during the Scientific Program must be submitted to the journal, Otolaryngology—Head and Neck Surgery. Accepted papers are prohibited from being published elsewhere. Papers may be presented (but not published) elsewhere after the Annual Meeting, provided the Otolaryngology—Head and Neck Surgery journal is cited. Contact otomanager@entnet.org for more details.

Millennium Society Donor Lounge
MPCC, Lakeside Level 3, E354
As a way of thanking our donors, the Foundation is pleased to offer all donors who are part of the Millennium Society, EXCLUSIVE access to a special donor appreciation lounge. Conveniently located onsite at the McCormick Place Convention Center, the Lounge provides a quiet place where you can relax, check your emails, conduct meetings, and network. Meals will be served Sunday through Wednesday as well as snacks and refreshments are available. Not part of the Millennium Society? Visit the Lounge to make a donation and begin taking immediate advantage of the Millennium Society Donor Lounge and other EXCLUSIVE benefits. The lounge will be available:

- Sunday, September 10 9:30 am – 6:00 pm
- Monday, September 11 7:00 am - 6:00 pm
- Tuesday, September 12 7:00 am - 6:00 pm
- Wednesday, September 13 7:00 am - 12:30 pm
NEW! Mobile BioSkills Lab

**MPCC, Lakeside Level 3, OTO Experience, Booth 129**

New for 2017, the Mobile BioSkills Lab is supported by the corporate community in conjunction with the AAO-HNSF Annual Meeting & OTO Experience where their equipment or device is showcased. Program content is the sole responsibility of the Sponsor/Medical Education Provider.

**Sunday, September 10**

9:30 am - 5:00 pm
Hands-on Experience with Olympus 4K Visualization Technologies
Sponsored by: Olympus America Inc.

**Monday, September 11**

9:30 am - 5:00 pm
Hands-on Experience with Olympus 4K Visualization Technologies
Sponsored by: Olympus America Inc.

**Tuesday, September 12**

9:30 am - 3:30 pm
Inspire Implant Training: Accessing the Hypoglossal Nerve, Placing the Stimulation Lead, and Implanting the Pulse Generator
Sponsored by: Inspire Medical Systems

**Newsroom**

**MPCC, Lakeside Level 2, E265**

The Newsroom serves as a workspace for credentialed members of the media. The Newsroom will be available:

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<td>Wednesday, September 13</td>
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**Nursing Mothers’ Lounge**

**MPCC, Visit the Show Management Office in Hall D**

A nursing mothers’ lounge has been designated at the MPCC to provide mothers a comfortable and private area to nurse or pump. Please visit the Show Management Office in Hall D for room location.
OTO Experience
MPCC, Lakeside Level 3, Hall D
The practice of medicine extends beyond the exam room. The OTO Experience welcomes more than 250 companies that cater to every aspect of your practice—device manufacturers, pharmaceutical companies, collections services, EMR systems, waiting room solutions, financial management firms, and more.

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<tr>
<td>Tuesday, September 12</td>
<td>9:30 am – 3:30 pm</td>
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</tbody>
</table>

CHILDREN UNDER 16 ARE NOT PERMITTED IN THE EXHIBIT HALL.

OTO Experience Lead Retrieval
Provide your contact information to the exhibitors you visit in the OTO Experience. Should you choose to have your name badge scanned at an exhibitors booth, your name, address, phone number, and email address will be provided to that exhibitor.

Otolaryngology—Head & Neck Surgery Meetings and Workshops
MPCC, Lakeside Level 2 Lobby
Brochures for otolaryngology—head and neck surgery-related meetings will be posted near registration. Non-meeting brochures are NOT permitted in this area.

OTOs on the Run 5K
Grant Park (LaSalle Harbor), 111 North Lakeshore Drive
Monday, September 11, 6:00 am - 7:00 am
Join us for OTOs on the Run 5K! All participants will receive a shirt, a runner’s bib, and post-race nourishment. Visit the kiosk in the Registration Area, MPCC, to join the run. Shirt supply may be limited.

Photography
Attendees are NOT permitted to take photographs, record, or stream audio/video within the 2017 Annual Meeting & OTO Experience. These restrictions apply to, but are not limited to sessions, posters, and exhibits. Individuals in violation may be asked to leave the area. We do encourage the taking of selfies and media clips with colleagues during networking events to share on social media using #OTOMTG17.

NEW! Practice of the Future Pavilion
MPCC, Lakeside Level 3, OTO Experience, Booth 1229
Premiering this year, the Practice of the Future Pavilion will give you a glimpse into your future work environment. Debuting nascent technology and services, come explore the future waiting room, examination room, operating room, and education/training room.
GENERAL INFORMATION

Prayer and Reflection Room
MPCC, Lakeside Level 2, E267
This place of peace and quiet is provided for all faiths. Please respect others and refrain from using laptops or cell phones, eating, drinking, or loitering in this area.

Product Theater
MPCC, Lakeside Level 3, OTO Experience, Booth 1246
The Product Theater is designed to enhance your product awareness. Seating is limited to 150 attendees per showcase. Program content is the sole responsibility of the Sponsor and their Medical Education Provider.

Monday, September 11
12:00 pm - 1:30 pm
Treatment of Acute Otitis Media with Tympanostomy Tubes: Simplified
Sponsored by: Arbor Pharmaceuticals, LLC

Publication Kiosks
MPCC
The Publication Kiosk displays complimentary copies of Meeting Daily and ENT & Audiology News.

Radio Frequency Identification (RFID)
Your attendance will be captured electronically by simply walking through the door for all education and scientific meet the author poster sessions. We invested in RFID readers above each door that will read your badges when you enter the room. The sessions you attend will automatically be captured and will be pre-populated in the CME/Conference evaluation. However, if you wish to manually select your sessions to evaluate, you may do so within the meeting evaluation.

Regional Caucuses (by invitation)
Delegates from Africa, Asia-Pacific, Europe, the Middle East, and Latin America are invited to their regional caucuses. For details on date, time, and location, contact international@entnet.org. U.S. registrants interested in these regions may also request an invitation.
Shuttle Bus Pass
Attendees who reserved their hotel room through AAO-HNSF Housing received a shuttle pass entitling them to ride the shuttle between AAO-HNSF official hotels and the Convention Center at no additional cost. The shuttle pass is required to be displayed on your return trip from the Convention Center to your hotel. Shuttle passes can be purchased for $125 USD per person at the Shuttle Pass counter.

SIM Tank
MPCC, North Building, N134
Monday, September 11, 3:45 pm – 4:45 pm
Selected from accepted simulation abstracts, authors of the top three abstracts will present their simulation projects to a panel of expert judges and a live audience.

Simulation Reception and Showcase
MPCC, Lakeside Level 2, Arie Crown Theater Foyer
Monday, September 11, 5:00 pm – 6:30 pm
This event highlights innovative and novel otolaryngology simulation projects. Table top simulator demonstrations and PowerPoint presentations will be on display to highlight individual and team accomplishments in simulation. In addition, the three SIM Tank finalists will be recognized during the reception.

Simulation Zone
MPCC, Lakeside Level 3, OTO Experience
Medical simulation is the modern-day methodology for training healthcare professionals with advanced technology. This zone features a collection of medical simulation devices created to hone physicians’ skills.

Smoking Policy
Smoking is prohibited in all areas of the MPCC and Sheraton Grand Hotel.

Speaker Ready Room
MPCC, Lakeside Level 3, E354
Speakers are required to visit the Speaker Ready Room at least 24-hours before their presentation.

<table>
<thead>
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<th>Day</th>
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<tbody>
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<td>Monday, September 11</td>
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<tr>
<td>Wednesday, September 13</td>
<td>6:30 am – 11:30 am</td>
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</tbody>
</table>
GENERAL INFORMATION

Sunrise Yoga
Sheraton Grand Chicago, Mayfair
Sunday, September 10, 6:00 am - 7:00 am
Join your colleagues Sunday morning for an enlightening yoga experience that will help you prepare for the upcoming days of education.

Wheelchairs and Motorized Scooters
MPCC, Lakeside Level 2, Lobby
Wheelchairs and motorized scooters are available and can be reserved at the Registration Assistance counter. Proper identification is required.

WiFi Access
WiFi is available throughout the MPCC.
SELECT "OTO 2017" NETWORK

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2018 Cochrane Colloquium
SYSTEMATIC REVIEW TRAINING

Edinburgh, Scotland
September 15 - 18, 2018
To learn more about how to apply, visit:
www.entnet.org/Cochrane

AAO-HNSF GUIDELINES INTERNATIONAL NETWORK (G-I-N) SCHOLARS PROGRAM
Manchester, UK
September 12 - 14, 2018
To learn more about how to apply, visit:
www.entnet.org/Community/G-I-N_Scholars.cfm

Residents are not eligible to apply. Previous G-I-N or Cochrane Scholar recipients may apply if three years have passed and all of their prior obligations were met. Applicants must be members of the AAO-HNS.

Questions? Contact Lorraine Nnacheta: lnacheta@entnet.org or 1-703-535-3751
EDUCATION PROGRAM

Presentation Formats

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Instruction Courses

Instruction Courses are one- or two-hour sessions led by recognized experts on current diagnostic, therapeutic, and practice management topics.

Instruction Courses are offered in the following formats:

- **Didactic Lecture** – Presented in a lecture setting designed to impart medical knowledge.
- **Interactive Participation** – Sessions providing the opportunity for audience members to respond to polling questions to enhance audience participation.
- **Mini-Course** – Small group interaction that demonstrates communication skills resulting in effective information exchange and learning with colleagues – limited to 25 participants.
- **Skill-based Learning** – Small hands-on sessions that enhance audience clinical expertise through team-based learning, simulation, and skill building – limited to 40 participants.

Miniseminar

Miniseminars are one- or two-hour sessions presented by expert panels involving case-based education on controversial topics, alternative treatment options, and cutting-edge research.

Miniseminars are offered in the following formats:

- **Didactic Lecture** – Presented in a lecture setting designed to impart medical knowledge.
- **Interactive Participation** – Sessions providing the opportunity for audience members to respond to polling questions to enhance audience participation.

International Symposia

International Symposia are 50-minute sessions presented by expert international panelists (i.e., from outside North America) involving interactive, in-depth, and state-of-the-art presentations employing a variety of didactic and interactive education formats that are included above.

Honorary Guest Lectures

Invited luminaries in the field of otolaryngology providing expert opinion presentations.
GENERAL INFORMATION

Scientific Program
The scientific program includes timely and innovative reviews of scientific research, surgical procedures, practices, and approaches to practicing surgeons, residents, and medical students designed to enhance medical knowledge, patient care, and professionalism.

- **Scientific Oral Presentations** – A series of three-to six-minute presentations focusing on current evidence-based research, surgical procedures, and approaches in clinical sciences and its application to patient care with two-minutes of questions and answers.

- **Scientific Posters** – Visual displays detailing the latest advancements in otolaryngology research that allow the viewer the opportunity to appraise and assimilate scientific evidence for improved patient care practices. Scientific Posters are located in E354 of the MPCC and can be viewed Sunday, September 10, through Wednesday, September 13.

Masters of Surgery Video Presentations
A series of short-lecture demonstration videos of key surgical procedures performed by otolaryngologist-head and neck surgeons.

Meet the Scientific Poster Authors

**MPCC, Lakeside Level 3, E354**

Earn CME credit while learning about the latest advancements in research directly from the sources. Ask questions and share experiences with the poster presenters in a truly interactive session! Up to four AMA PRA Category 1 Credits™ may be earned.

**Monday, September 11**

10:00 am - 11:00 am  
Endocrine Surgery  
Head and Neck Surgery

2:30 pm - 3:30 pm  
Business of Medicine/Practice Management  
Facial Plastic and Reconstructive Surgery Laryngology/ Broncho-Esophagology  
Rhinology/Allergy

**Tuesday, September 12**

9:45 am - 10:45 am  
General Otolaryngology  
Pediatric Otolaryngology  
Sleep Medicine

2:15 pm - 3:15 pm  
Otology/Neurotology  
Patient Safety and Quality Improvement
ACCREDITATION AND CONTINUING EDUCATION

Target Audience
The AAO-HNSF 2017 Annual Meeting & OTO Experience targets practicing otolaryngologists—head and neck surgeons and associates, researchers in otolaryngology, senior academic professors and department chairs, leaders of international societies, fellows-in-training, residents, and allied health professionals.

Accreditation
This meeting has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education. AAO-HNSF is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Annual Meeting & OTO Experience Purpose
The AAO-HNSF 2017 Annual Meeting & OTO Experience program offers otolaryngologists and other interested health professionals a series of unique and dynamic education experiences designed to broaden and enrich their understanding of otolaryngology–head and neck surgery and provide a foundation for continued learning.

The Annual Meeting & OTO Experience program format (including Scientific Orals, Instruction Courses, Guest Lectures, Masters of Surgery Video Presentation, Miniseminars, Scientific Posters, and International Symposium) will help participants maintain an awareness of accepted methods of diagnosis and treatment and will provide updates on new developments in the field. The General Competencies for Physicians (adopted by the Accreditation Council for Graduate Medical Education and the American Board of Medical Specialties)—medical knowledge, patient care, interpersonal and communication skills, professionalism, practice-based learning and improvement, and systems-based practice—will be addressed in presentations throughout the various sessions. By the end of the conference, participants should be able to:

- Apply knowledge of current issues globally affecting the diagnosis, evaluation, and treatment of otolaryngologic and related disorders.
- Analyze global research-based information and updates on practical applications affecting operative procedures, drugs, and medical devices.
- Utilize improved practice management techniques to facilitate physician performance improvement.
- Translate into practice a broader understanding of the global approaches used in otolaryngology—head and neck surgery.
Credit Hours
Participants are eligible to receive credit for:

- Masters of Surgery Videos
- Miniseminars
- Guest Lectures
- Scientific Posters (up to four credits during designated times)
- Instruction Courses
- International Symposium
- Scientific Orals

While not all sessions are eligible for *AMA PRA Category 1 Credit™*, the total number of credits a participant can earn is 26. Credit will be awarded to physicians when documented by the submission of the 2017 Annual Meeting & OTO Experience evaluation.

Presenter Disclosure of Relevant Financial Relationships
The AAO-HNSF endorses the guidelines for accredited continuing medical education as set forth in the Accreditation Council for Continuing Medical Education’s Standards for Commercial Support and adheres to these standards in the conduct of its education activities. The Foundation maintains control over the development of its education activities and the selection of planners, topics, and presenters. A full disclosure of relevant financial relationships is submitted by all planners and presenters, and the presence of any financial relationships with a commercial interest is reported to the participants both in the program’s printed materials and at the presentation. In addition, presenters will disclose their intent to discuss drugs or devices or the uses of drugs or devices that have not been approved by the Food and Drug Administration (FDA).
Annual Meeting Program Committee

The Program Committee is charged with reviewing and evaluating the merits of all education abstracts submitted during the call for science. The committee members advise and assist the coordinator in organizing the Annual Meeting Education Program.

Mark K. Wax, MD, Coordinator
No relationship to disclose

Dole P. Baker, Jr., MD
No relationship to disclose

Cristina Baldassari, MD
No relationship to disclose

William R. Blythe, MD
Advisory Board: ENT Cloud

Benjamin B. Cable, MD
No relationship to disclose

Steven B. Cannady, MD
No relationship to disclose

Daniel C. Chelius, Jr., MD
No relationship to disclose

Do-Yeon Cho, MD
Research Funding: Binorica

Sukgi S. Choi, MD
No relationship to disclose

David B. Conley, MD
Consulting Fee: Xoran and Intersect ENT; Honoraria: Xoran and Intersect ENT

Michael J. Cunningham, MD
Royalty: Plural Publishing; Expert Witness: Fennemore Craig, P.C.

Seth H. Dailey, MD
No relationship to disclose

H. Peter Doble, Jr., MD
No relationship to disclose

Umamaheswar Duvvuri, MD, PhD
No relationship to disclose

Charles A. Elmaraghy, MD
Consulting Fee: Smith and Nephew

David O. Francis, MD
No relationship to disclose

Oren Friedman, MD
No relationship to disclose

Christine Blanche Franzese, MD
Consulting Fee: Greer; Speakers Bureau: Merck and Greer

Richard K. Gurgel, MD
Consulting Fee: Med-El; Honoraria: Oticon Medical; Research Funding: Cochlear Corporation

Andrew N. Goldberg, MD, MSCE
No relationship to disclose

Stacey T. Gray, MD
No relationship to disclose

Joseph K. Han, MD
Consulting Fee: Medtronic; Honoraria: Merck; Research Funding: Intersect ENT

Maureen M. Harriman, MD
No relationship to disclose

Brandon Isaacscon, MD
Consulting Fee: Advanced Bionics, Medtronic, Olympus, GLG, and Stryker; Honoraria: Stryker and Olympus

Abraham Jacob, MD
Consulting Fee: Olympus Americas; Advisory Board: Cochlear Americas and MedEl; Research Funding: Cochlear Americas and Advanced Bionics

J. Randall Jordan, MD
Patent: Malar Implant

David Kaylie, MD
No relationship to disclose

James Lin, MD
Consulting Fee: Med El

Catherine R. Lintzenich, MD
No relationship to disclose

Lance A. Manning, MD
No relationship to disclose
GENERAL INFORMATION

Richard K. McHugh, MD, PhD
Honoraria: Speech and Hearing Association of Alabama

Brian J. McKinnon, MD, MBA
Consulting Fee: hearLife Clinic, Nassau; Honoraria: Cochlear Medical and Oticon Medical; Research Funding: Oticon Medical; Stock: Resonance Medical; Royalty: Springer; Stock: Resonance Medical

Andrew J. McWhorter, MD
No relationship to disclose

Cherie-Ann O. Nathan, MD
Patent: Curcumin

Urjeet Patel, MD
No relationship to disclose

Zara M. Patel, MD
Consulting Fee: Medtronic and Patara Pharmaceutical; Honoraria: Intersect ENT

Edmund A. Pribitkin, MD
No relationship to disclose

Jeremy D. Richmon, MD
No relationship to disclose

Clark A. Rosen, MD
Salary: Merz North America

Joshua D. Rosenberg, MD
No relationship to disclose

Lawrence M. Simon, MD
Consulting Fee: Blue Cross/Blue Shield of Louisiana; Advisory Board: Amerigroup of Louisiana; Honoraria: LifePoint Health Systems

Richard V. Smith, MD
Expert Witness: Shaub and Amity

Phillip C. Song, MD
No relationship to disclose

Jeffrey H. Spiegel, MD
No relationship to disclose

Brendan C. Stack, Jr., MD
Consulting Fee: Shire Pharmaceuticals and Genentech; Expert Witness: Hollingsworth LLP, Davies, Humphreys, Horton & Reese, PLC, and Wright, Lindsey, Jennings, LLP

J. Pablo Stolovitzky, MD
Consulting Fee: Acclarent, Intersect ENT, and Siproyx; Research Funding: Siprox, Acclarent, and Intersect ENT

Douglas K. Trask, MD, PhD
No relationship to disclose

Gale T. Tuper, Jr., MD
No relationship to disclose

Frank W. Virgin, Jr., MD
No relationship to disclose

Richard W. Waguespack, MD
Consultant: McKesson/InterQUAL; Editorial Board: Laryngoscope Journal

Catherine P. Winslow, MD
No relationship to disclose

Bradford A. Woodworth, MD
No relationship to disclose

Kathleen Yaremchuk, MD, MSA
No relationship to disclose

Complete faculty disclosure information can be found online in the conference schedule at www.entannualmeeting.org.

ACCESS THE CONFERENCE EVALUATION

There are many ways you can access the Conference Evaluation:

- Download the Annual Meeting mobile app
- Visit the Computer Stations
- Access the evaluation website on your personal computer, laptop, or smartphone: www.entannualmeeting.org
CONGRATULATIONS TO THE 2017 AWARD HONOREES

PRESIDENTIAL CITATIONS

Presidential Citations recognize individuals selected by the President for their outstanding contributions and dedication to the Academy and Foundation.

This year’s recipients are: KJ Lee, MD; Lorraine M. Randolph; David J. Terris, MD; D. Bradley Welling, MD, PhD

DISTINGUISHED AWARD FOR HUMANITARIAN SERVICE

The Distinguished Award for Humanitarian Service is bestowed on a member who gives freely of professional skills to those who cannot otherwise receive them, physically or financially.

This year’s recipient is: Bruce H. Campbell, MD

ARNOLD P. GOLD FOUNDATION HUMANISM IN MEDICINE AWARD

This award recognizes an Academy member who is a practicing physician exemplifying outstanding humanism in caring for patients.

This year’s honoree is: Mark E. Zafereo, Jr., MD

HOLT LEADERSHIP AWARD

The Holt Leadership Award is awarded annually at the Annual Meeting to the resident or fellow-in-training who best exemplifies the attributes of a young leader—honesty, integrity, fairness, advocacy, and enthusiasm.

This year’s recipient is: David S. Cohen, MD

JEROME C. GOLDSTEIN, MD PUBLIC SERVICE AWARD

The Jerome C. Goldstein, MD Public Service Award recognizes members for commitment and achievement in service, either to the public or to other organizations, when such service promises to improve patient welfare.

This year’s recipient is: Debara L. Tucci, MD, MS, MBA

NIKHIL J. BHATT, MD INTERNATIONAL AWARDS

The AAO-HNSF Nikhil J. Bhatt, MD International Public Service and Humanitarian Awards recognize the achievements of non-US otolaryngologist—head and neck surgeons. The Awards are in fulfillment of the AAO-HNSF’s aim to foster a global otolaryngology community.

This year’s recipient of the Nikhil J. Bhatt, MD International Public Service Award is: Sheng-Po Hao, MD

This year’s recipient of the Nikhil J. Bhatt, MD Humanitarian Award is: Johanna Sembergman, MD
**AAO-HNS Business Meeting**  
**Saturday, September 9, 11:15 am - 11:30 am**  
**Sheraton, Sheraton Ballroom 5**  
The Annual Business Meeting of the Academy membership is held in conjunction with the Annual Meeting. Join your leaders on Saturday, September 9, for this official event with reports from the President, Secretary-Treasurer, and Executive Vice President/CEO.

**AAO-HNS Career Fair**  
**Monday, September 11, 6:00 pm – 8:00 pm**  
**Sheraton, Sheraton Ballroom 1-3**  
The AAO-HNS Career Fair, hosted by ENT Careers and HEALTH eCAREERS Network, will take place on Monday evening at the Sheraton Grand Chicago. The AAO-HNS provides candidates in all subspecialties and levels of training the opportunity to meet face-to-face with hiring representatives. Providing unparalleled access to job seekers across all disciplines and specialties, HEALTH eCAREERS is the single source for all your healthcare recruitment needs. Employers can leverage this opportunity to personally engage with numerous qualified job seekers at one time. Job seekers should visit HEALTH eCAREERS to register and upload your resume! Employers should contact HEALTH eCAREERS to take full advantage of the emerging talent pool.

**AAO-HNSF and the Society of Military Otolaryngologists (SMO) Trauma Symposium**  
**Saturday, September 9, 6:00 pm - 9:00 pm**  
**Sheraton, Ballroom 5**  
The AAO-HNS Trauma Committee and the Society of Military Otolaryngologists’ Trauma Symposium will present “Airway and Facial Burn Trauma: It’s More Than Just Skin Deep,” at 6:00 pm, Saturday, September 9, at the Sheraton Grand Chicago. This event, open to military and civilian attendees, includes a reception (4:30 pm), dinner, awards, and displays. Arthur Sanford, MD, associate professor of trauma, surgical critical care, and burns at Loyola University Medical Center, will speak on airway burn management and Chad Hivnor, MD, of Dermatology Associates of San Antonio, will present on acute and chronic scar rehabilitation. For registration: [https://www.miloto.org/](https://www.miloto.org/).

**AAO-HNS Diversity and Inclusion Committee Reception**  
**Monday, September 11, 6:30 pm - 8:00 pm**  
**Hyatt Regency Chicago, Big Bar**  
Join the Diversity and Inclusion Committee for a social event, Monday, September 11, 2017 at the Hyatt Regency Chicago from 6:30pm - 8:00pm. No host bar. We welcome you to mingle with others interested in diversity issues.
AAO-HNS New Member Reception  
Sunday, September 10, 5:30 pm – 6:00 pm  
Sheraton, Michigan B  
This session will give you insights on how to maximize your membership with AAO-HNS by taking advantage of all member benefits and opportunities. Come to this session to learn about the value of the AAO-HNS, meet key leaders, and ask questions of our knowledgeable staff.

Annual Meeting & OTO Experience First Time Attendee Orientation  
Sunday, September 10, 7:30 am – 8:00 am  
MPCC, Room E353A  
The orientation will focus on getting the most out of the Annual Meeting & OTO Experience to maximize your experience. Gather with your colleagues before the start of the Opening Ceremony to explore the Annual Meeting.

Alumni Receptions  
Tuesday, September 12, 6:30 pm – 8:00 pm  
Sheraton, Chicago Ballroom 6  
Visit with your friends and colleagues from your academic institutions. This is a can’t-miss networking event!

Board of Governors (BOG) General Assembly  
Monday, September 11, 5:00 pm – 7:00 pm  
MPCC, Lakeside Level 4, E450B  
The BOG is the grassroots member network of the AAO-HNS and is composed of local, state, regional, and national otolaryngology societies from across the United States and Canada. The General Assembly provides the opportunity to hear BOG committee reports, candidate speeches for BOG office, and remarks from the Academy’s President, EVP/CEO, and BOG leadership. Governors or Alternate Governors are expected to attend this event, cast their votes on behalf of their society on issues and candidates, and report/share the content and events of the General Assembly with their society members. All AAO-HNS members are invited to attend as non-voting guests.

Humanitarian Efforts Forum  
Sunday, September 10, 1:00 pm - 3:15 pm  
MPCC, North Building, N127  
The Humanitarian Efforts Forum is a gathering that highlights the humanitarian work and partnerships of AAO-HNSF members in the developing world.
MEETINGS AND RECEPTIONS

International Advisory Board (IAB) General Assembly
(by invitation only 2:30 pm - 3:15 pm; 3:15 pm - 5:00 pm open to all international attendees)
Monday, September 11, 2:30 pm - 5:00 pm
MPCC, North Building, N127
The International Assembly is a forum that all International Corresponding Societies (ICS) members are invited to attend, where the issues of the day pertaining to international otolaryngologists abroad will be discussed. Select members will also be recognized.

International Reception (by invitation only)
Tuesday, September 12, 8:00 pm – 10:00 pm
Sheraton, Sheraton Ballroom 1-3
All registered international attendees and their spouses are invited to this reception, where Academy President Gregory Randolph, MD, will honor the delegates from our guest countries — China, France, Mexico, and South Korea. Celebrate with a DJ and dancing, and enjoy delicious desserts. We encourage guests to wear their national dress or a lapel pin with their country’s flag or society emblem.

Otolaryngology Historical Forum
Tuesday, September 12, 2:15 pm - 3:15 pm
MPCC, Lakeside Level 3, E352
Join fans of our specialty’s history for presentations and networking.

President’s Reception
Sunday, September 10, 6:00 pm – 7:30 pm
Sheraton, Sheraton Ballroom
The President’s Reception is open to all Annual Meeting & OTO Experience attendees, including registered guests. One of our most popular events, this reception honors the outgoing president and provides an opportunity for you to enjoy a relaxing celebratory atmosphere with your peers. Badges are mandatory, so if bringing a guest, please be sure they are registered.

Section for Residents and Fellows-in-Training (SRF) General Assembly
Tuesday, September 12, 7:30 am – 9:30 am
MPCC, Lakeside Level 4, E450B
This year’s meeting will feature presentations from AAO-HNS leaders, a keynote speaker, section elections, an update of the annual SRF survey, and presentation of awards. As a medical student, resident, and/or fellow-in-training, this is an ideal venue to meet colleagues, have a voice in the Academy, and get involved in AAO-HNS initiatives and activities.
AAO-HNS/F COMMITTEES AND MEETINGS

(Committee meetings are listed alphabetically. Unless otherwise noted, committee meetings are open to all AAO-HNS members.)

**AAO-HNS Business Meeting**
Saturday, September 9, 11:15 am - 11:30 am
Sheraton Grand Hotel, Sheraton Ballroom V

**AAO-HNS/F Executive Committee** (by invitation only)
Friday, September 8, 3:30 pm - 5:30 pm
Sheraton Grand Hotel, Michigan A
- and - Wednesday, September 13, 12:15 pm - 2:00 pm
MPCC, E255

**Adhoc/Alternative Payment Model Workgroup** (by invitation only)
Monday, September 11, 10:00 am - 11:00 am
MPCC, E251

**Africa Caucus**
Sunday, September 10, 10:00 am - 11:00 am
MPCC, E252

**Airway and Swallowing Committee**
Monday, September 11, 10:00 am - 11:00 am
MPCC, E256

**Allergy, Asthma, and Immunology Committee**
Tuesday, September 12, 9:45 am - 10:45 am
MPCC, E257

**Annual Meeting Program Committee** (by invitation only)
Saturday, September 9, 1:00 pm - 2:00 pm
Sheraton Grand Hotel, Sheraton Ballroom I

**Women in Otolaryngology (WIO) Section General Assembly**
Monday, September 11, 11:30 am - 1:30 pm
MPCC, Lakeside Level 4, E450B
The WIO Section exists to enhance the careers of women otolaryngologists. Join WIO members and supporters for presentations from AAO-HNS leaders, section elections, presentation of awards. Amy E. Herman presenting the keynote address "The Art of Perception on Visual Intelligence."

**Young Physicians Section (YPS) General Assembly**
Monday, September 11, 2:30 pm – 4:30 pm
MPCC, Lakeside Level 4, E450B
This event will feature presentations relevant to critical issues facing young physicians. Highlights include the section election, remarks from distinguished guests, a report from the YPS Chair-Elect and concluding remarks from YPS Chair.
MEETINGS AND RECEPTIONS

Asia-Pacific Caucus
Sunday, September 10, 10:00 am - 11:00 am
MPCC, E272A

Board of Directors Meeting
Saturday, September 9, 7:30 am - 11:30 am
Sheraton Grand Hotel, Sheraton Ballroom V

Board of Governors (BOG) Executive Committee (by invitation only)
Sunday, September 10, 4:30 pm - 6:00 pm
MPCC, E272A

BOG General Assembly
Monday, September 11, 5:00 pm - 7:00 pm
MPCC, E450B

Board of Governors (BOG) Governance and Society Engagement Committee
Saturday, September 9, 12:30 pm - 1:30 pm
Sheraton Grand Hotel, Sheraton Ballroom IV

Board of Governors (BOG) Legislative Affairs Committee
Saturday, September 9, 10:00 am - 11:30 am
Sheraton Grand Hotel, Sheraton Ballroom IV

Board of Governors (BOG) Luncheon
Saturday, September 9, 11:30 pm - 12:30 pm
Sheraton Grand Hotel, Sheraton Ballroom IV

Board of Governors (BOG) Socioeconomic and Grassroots Committee
Saturday, September 9, 1:30 pm - 3:00 pm
Sheraton Grand Hotel, Sheraton Ballroom IV

Complementary/Integrative Medicine Committee
Sunday, September 10, 2:15 pm - 3:15 pm
MPCC, E253B

Comprehensive Curriculum Task Force and Work Group
Monday, September 11, 6:30 am - 9:00 am
MPCC, E272C

Consortium of OTO Journal Editors
Tuesday, September 12, 2:15 pm - 3:15 pm
MPCC, E256

Credentials and Membership Committee
Saturday, September 9, 1:00 pm - 2:00 pm
Sheraton Grand Hotel, Missouri

Development Committee
Sunday, September 10, 7:00 am - 8:00 am
MPCC, E272A
Diversity and Inclusion Committee  
Saturday, September 9, 4:00 pm - 5:00 pm  
Sheraton Grand Hotel, Ontario

Education Committee: Item Writing Course  
Saturday, September 9, 1:00 pm - 3:00 pm  
Sheraton Grand Hotel, Ontario

Education Steering Committee  
Saturday, September 9, 4:00 pm - 6:00 pm  
Sheraton Grand Hotel, Sheraton Ballroom I

Endocrine Surgery Committee  
Monday, September 11, 10:00 am - 11:00 am  
MPCC, E253A

ENT PAC Board of Advisors (by invitation only)  
Sunday, September 10, 2:00 pm - 4:00 pm  
MPCC, E251

ENTRI Board Meeting  
Saturday, September 9, 11:30 am - 11:45 am  
Sheraton Grand Hotel, Sheraton Ballroom V

Equilibrium Committee  
Monday, September 11, 2:30 pm - 3:30 pm  
MPCC, E257

Ethics Committee  
Saturday, September 9, 3:00 pm - 5:00 pm  
Sheraton Grand Hotel, Huron

European Summit  
Sunday, September 10, 10:00 am - 11:00 am  
MPCC, E272B

Facial Plastic & Reconstructive Surgery Education Committee  
Sunday, September 10, 2:15 pm - 3:15 pm  
MPCC, E272D

Finance and Investment Subcommittee (FISC) (by invitation only)  
Saturday, September 9, 2:00 pm - 3:30 pm  
Sheraton Grand Hotel, Illinois Boardroom

General Otolaryngology Education Committee  
Sunday, September 10, 2:15 pm - 3:15 pm  
MPCC, E272A

Geriatric Otolaryngology Committee  
Tuesday, September 12, 9:45 am - 10:45 am  
MPCC, E256

Head and Neck Surgery and Oncology Committee  
Monday, September 11, 2:30 pm - 3:30 pm  
MPCC, E272D
MEETINGS AND RECEPTIONS

Head and Neck Surgery Education Committee  
Tuesday, September 12, 2:15 pm - 3:15 pm  
MPCC, E251

Hearing Committee  
Monday, September 11, 5:00 pm - 6:00 pm  
MPCC, E256

History and Archives Committee  
Tuesday, September 12, 11:00 am - 12:00 pm  
MPCC, E272A

Home Study Course Working Group Meeting  
Sunday, September 10, 10:00 am - 12:00 pm  
MPCC, N130

Humanitarian Efforts Committee  
Tuesday, September 12, 2:15 pm - 3:15 pm  
MPCC, E252

Humanitarian Efforts Forum  
Sunday, September 10, 1:00 pm - 3:15 pm  
MPCC, N127

International Advisory Board (IAB) Executive Committee & Regional Advisors  
(by invitation only)  
Monday, September 11, 10:30 am - 11:30 am  
MPCC, E252

International Advisory Board (IAB) General Assembly  
(by invitation only)  
Monday, September 11, 2:30 pm - 3:15 pm  
MPCC, N127

International Advisory Board (IAB) General Assembly  
(open to all international attendees)  
Monday, September 11, 3:15 pm - 5:00 pm  
MPCC, N127

Imaging Committee  
Tuesday, September 12, 2:15 pm - 3:15 pm  
MPCC, E257

Implantable Hearing Devices Committee  
Monday, September 11, 7:00 am - 8:00 am  
MPCC, E256

Infectious Disease Committee  
Sunday, September 10, 2:15 pm - 3:15 pm  
MPCC, E272B

International Otolaryngology Committee  
Tuesday, September 12, 2:15 pm - 3:15 pm  
MPCC, E253A
International Steering Committee (by invitation only)
Tuesday, September 12, 9:45 am - 10:45 am
MPCC, E252

International Women’s Caucus
Sunday, September 10, 11:00 am - 12:00 pm
MPCC, E252

International Young Physicians and Residents Forum
Sunday, September 10, 3:30 pm - 4:30 pm
MPCC, E252

Joint Education Committees Meeting
Sunday, September 10, 7:00 am - 8:00 am
MPCC, N128

Laryngology and Bronchesophagology Education Committee
Tuesday, September 12, 9:45 am - 10:45 am
MPCC, E251

Latin American Caucus (Cumbre de Lideres)
Sunday, September 10, 12:00 pm - 1:00 pm
MPCC, E252

Media and Public Relations Committee
Monday, September 11, 10:00 am - 11:00 am
MPCC, E253CD

Medical Devices and Drugs Committee
Sunday, September 10, 10:00 am - 11:00 am
MPCC, E272C

Medical Informatics Committee
Saturday, September 9, 2:15 pm - 3:15 pm
Sheraton Grand Hotel, Missouri

Microvascular Committee
Monday, September 11, 10:00 am - 11:00 am
MPCC, E253B

Middle East Caucus
Sunday, September 10, 10:00 am - 11:00 am
MPCC, E256

Nominating Committee (by invitation only)
Saturday, September 9, 1:00 pm - 2:00 pm
Sheraton Grand Hotel, Lincoln Boardroom

Otolaryngology Historical Forum
Tuesday, September 12, 2:15 pm - 3:15 pm
MPCC, E352

Otolaryngology Veterans Affairs Committee
Sunday, September 10, 2:15 pm - 4:15 pm
MPCC, E272C
MEETINGS AND RECEPTIONS

Otolaryngology—Head and Neck Surgery and OTO Open Journal Editorial Board Meeting
Tuesday, September 12, 9:15 am - 10:45 am
MPCC, E253CD

Otolaryngology—Head and Neck Surgery Journal International Editorial Board Meeting
Tuesday, September 12, 12:00 pm - 12:45 pm
MPCC, E252

Otology & Neurotology Education Committee
Monday, September 11, 2:30 pm - 3:30 pm
MPCC, E272B

Outcomes, Research, and EBM Committee
Monday, September 11, 2:30 pm - 3:30 pm
MPCC, E253A

Panamerican Committee
Sunday, September 10, 2:15 pm - 3:15 pm
MPCC, E252

Patient Safety and Quality Improvement Committee
Sunday, September 10, 7:00 am - 8:00 am
MPCC, E253A

Pediatric Otolaryngology Committee
Monday, September 11, 2:30 pm - 3:30 pm
MPCC, E251

Pediatric Otolaryngology Education Committee
Monday, September 11, 10:00 am - 11:00 am
MPCC, E257

Physician Payment Policy Workgroup (by invitation only)
Monday, September 11, 3:30 pm - 4:30 pm
MPCC, E251

Plastic and Reconstructive Surgery Committee
Monday, September 11, 10:00 am - 11:00 am
MPCC, E272B

Practice Management Education Committee
Monday, September 11, 2:30 pm - 3:30 pm
MPCC, E272C

Reg-ent℠ Executive Committee (by invitation only)
Saturday, September 9, 4:00 pm - 6:00 pm
Sheraton Grand Hotel, Lincoln Boardroom

Research and Quality Steering Committee
Tuesday, September 12, 2:15 pm - 3:15 pm
MPCC, E253B
Committee Meetings

Rhinology and Allergy Education Committee
Monday, September 11, 10:00 am - 11:00 am
MPCC, E272C

Rhinology and Paranasal Sinus Committee
Sunday, September 10, 7:00 am - 8:00 am
MPCC, E272C

Science and Educational Committee (by invitation only)
Saturday, September 9, 2:00 pm - 3:00 pm
Sheraton Grand Hotel, Erie

Section for Residents and Fellows-in-Training (SRF) Delegates Meeting (by invitation only)
Tuesday, September 12, 4:45 pm - 5:45 pm
MPCC, E251

Section for Residents and Fellows-in-Training (SRF) General Assembly
Tuesday, September 12, 7:30 am - 9:30 am
MPCC, E450B

Section for Residents and Fellows-in-Training (SRF) Governing Council/Transition Meeting (by invitation only)
Tuesday, September 12, 9:45 am - 10:45 am
MPCC, E272C

Simulation Education Committee
Sunday, September 10, 2:15 pm - 3:15 pm
MPCC, E257

Skull Base Surgery Committee
Saturday, September 9, 1:00 pm - 2:00 pm
Sheraton Grand Hotel, Mayfair

Sleep Disorders Committee
Saturday, September 9, 3:00 pm - 4:00 pm
Sheraton Grand Hotel, Mississippi

Trauma Committee
Sunday, September 10, 2:15 pm - 3:15 pm
MPCC, E253CD

Voice Committee
Sunday, September 10, 2:15 pm - 3:15 pm
MPCC, E253A

Women in Otolaryngology (WIO) Communications Committee
Monday, September 11, 10:00 am - 11:00 am
MPCC, E272D

Women in Otolaryngology (WIO) Endowment Committee
Monday, September 11, 10:00 am - 11:00 am
MPCC, E272A
AAO-HNS CAREER FAIR

Monday, September 11, 6:00 pm – 8:00 pm
Sheraton Grand Chicago Hotel, Sheraton Ballroom I

The AAO-HNS Career Fair, hosted by ENT Careers and HEALTH eCAREERS Network, will take place on Monday evening at the Sheraton Grand Chicago Hotel. The AAO-HNS provides candidates in all subspecialties and levels of training the opportunity to meet face-to-face with hiring representatives. Providing unparalleled access to jobseekers across all disciplines and specialties, HEALTH eCAREERS is the single source for all of your healthcare recruitment needs. Employers can leverage this opportunity to personally engage with numerous qualified job seekers at one time.

Job seekers should visit HEALTH eCAREERS to register and upload your resume at http://resources.healthecareers.com/2017-AAO-HNS-career-fair-registration

Employers should contact HEALTH eCAREERS to take full advantage of the emerging talent pool. Visit http://resources.healthecareers.com/2017-aao-hns-career-fair for more details.

Visit HEALTH eCAREERS at Booth 135 in the OTO Experience.

VIEW HIGHLIGHTS FROM THE ANNUAL MEETING ON OTO-TV!

- Through the meeting app
- Annual Meeting website
- TVs in your hotel room
- Monitors throughout the Convention Center

Visit HEAL TH eCAREERS at Booth 135 in the OTO Experience.
Women in Otolaryngology (WIO) General Assembly  
Monday, September 11, 11:30 am - 1:30 pm  
MPCC, E450B

Women in Otolaryngology (WIO) Governing Council Meeting  
(by invitation only)  
Tuesday, September 12, 2:15 pm - 3:15 pm  
MPCC, E272C

Women in Otolaryngology (WIO) Leadership Development and Mentorship Committee  
Sunday, September 10, 2:15 pm - 3:15 pm  
MPCC, E256

Women in Otolaryngology (WIO) Program Committee  
Saturday, September 9, 10:00 am - 11:00 am  
Sheraton Grand Hotel, Missouri

Women in Otolaryngology (WIO) Research and Survey Committee  
Saturday, September 9, 3:30 pm - 4:30 pm  
Sheraton Grand Hotel, Missouri

World Voice Day Planning Committee  
Sunday, September 10, 3:30 pm - 4:30 pm  
MPCC, E272B

Young Physicians Section (YPS) General Assembly  
Monday, September 11, 2:30 pm - 4:30 pm  
MPCC, E450B

Young Physicians Section (YPS) Governing Council  
(by invitation only)  
Tuesday, September 12, 11:00 am - 12:00 pm  
MPCC, E251

**AFFILIATE MEETINGS**  
(Affiliate Meetings are listed alphabetically.)

40th Annual Meeting of Otolaryngologists of Indian Heritage  
(AOIH Inc.) Dinner Meeting  
Monday, September 11, 5:30 pm – 9:30 pm  
Sheraton Grand Chicago, Superior

American Head and Neck Society (AHNS) Council and Committee Meetings  
Saturday, September 9, 7:00 am – 6:00 pm  
Sheraton Grand Chicago, Superior
MEETINGS AND RECEPTIONS

Christian Society of Otolaryngology-Head & Neck Surgeons Board Meeting and Dinner
Saturday, September 9, 6:00 pm – 9:00 pm
Sheraton Grand Chicago, Mayfair

Christian Society of Otolaryngology-Head & Neck Surgeons Annual Fellowship Breakfast
Sunday, September 10, 6:00 am – 8:00 am
Sheraton Grand Chicago, Huron

Combined Otolaryngology Spring Meetings (COSM) SLC Meeting
Monday, September 11, 6:00 am – 7:30 am
Sheraton Grand Chicago, Mayfair

Ear, Nose & Throat Journal ENT Editorial Board Breakfast
Sunday, September 10, 6:00 am – 9:00 am
Hyatt Regency McCormick Place, Meeting Suite 1-Superior

Ear Research Foundation SERF’s Up Fellow Reception
Sunday, September 10, 7:00 pm – 10:00 pm
Sheraton Grand Chicago, Colorado

Harvard Medical School Eustachian Tube Study Group
Sunday, September 10, 7:00 am – 8:00 am
Sheraton Grand Chicago, Missouri

Korean American Otolaryngology Society Annual Meeting
Sunday, September 10, 5:00 pm – 10:00 pm
MingHin Cuisine in Chinatown
2168 South Archer Avenue, Chicago, IL 60616

Panamerican Association
Monday, September 11, 8:00 am - 10:00 am
MPCC. E252

Society of Military Otolaryngologists (SMO) Air Force Middle Management Meeting
Saturday, September 9, 4:00 pm – 5:30 pm
Sheraton Grand Chicago, Erie

Society of Military Otolaryngologists (SMO) Army Middle Management Meeting
Saturday, September 9, 4:00 pm – 5:30 pm
Sheraton Grand Chicago, Arkansas

Society of Military Otolaryngologists (SMO) Navy Middle Management Meeting
Saturday, September 9, 4:00 pm – 5:30 pm
Sheraton Grand Chicago, Mississippi
Texas Children’s Hospital Vascular Anomalies Task Force  
Monday, September 11, 6:00 pm – 7:00 pm  
Sheraton Grand Chicago, Illinois

The Voice Clinic of Indiana Neurolaryngology Study Group Meeting  
Monday, September 11, 12:15 pm – 1:15 pm  
MPCC, North Building – Level 1, N128

Triological Society Laryngoscope Editorial Board Meeting  
Monday, September 11, 7:00 am – 8:00 am  
Sheraton Grand Chicago, Ontario

Triological Society Laryngoscope: TRIO BP (Best Practice) Lunch Meeting  
Monday, September 11, 12:00 pm – 1:00 pm  
Sheraton Grand Chicago, Ontario

Triological Laryngoscope Systematic Review Committee Lunch Meeting  
Monday, September 11, 12:00 pm – 1:00 pm  
Sheraton Grand Chicago, Tennessee

Triological Society Laryngoscope Investigative Otolaryngology Editorial Board Meeting  
Tuesday, September 12, 7:00 am – 8:00 am  
Sheraton Grand Chicago, Ontario

University of Chicago Medical Center Mhoon Lecture  
Saturday, September 9, 4:00 pm – 10:00 pm  
Sheraton Grand Chicago, Sheraton Ballroom IV

Wolters Kluwer Otology & Neurotology Board Meeting  
Sunday, September 10, 10:30 am – 12:00 pm  
Sheraton Grand Chicago, Superior

ALUMNI RECEPTIONS

Harvard Medical School Department of Otolaryngology Alumni Reception  
Monday, September 11, 5:00 pm – 9:00 pm  
University Club of Chicago, 8th Floor Library  
76 East Monroe Street, Chicago, IL 60603

Loyola Department of OLHNS Alumni Reception  
Sunday, September 10, 6:00 pm – 10:00 pm  
Sheraton Grand Chicago, Mayfair
Pennsylvania State Otolaryngology-Head & Neck Surgery
Alumni & Friends Event
Monday, September 11, 6:00 pm – 9:00 pm
Chicago Firehouse Restaurant
1401 South Michigan Avenue, Chicago, IL 60605

UPMC Alumni and Friends Reception
Saturday, September 9, 7:00 pm – 9:00 pm
ENO Wine Bar
505 N. Michigan Avenue, Chicago, IL 60611

ALUMNI NIGHT
TUESDAY, SEPTEMBER 12, 6:30 PM - 8:00 PM
SHERATON GRAND CHICAGO, CHICAGO BALLROOM VI

“Alumni Night” is Tuesday night. Receptions for the following colleges, universities, otolaryngology training centers, and programs:

Cleveland Clinic/University Hospitals Cleveland Medical Center
Alumni Reception, Booth 301

The Greater Metropolitan New York Residency Programs,
Booth 315
- Albert Einstein College of Medicine
- Columbia University College of Physicians and Surgeons
- Weill Cornell Medical College, Manhattan Eye, Ear and Throat Hospital
- Icahn School of Medicine at Mount Sinai
- New York Eye & Ear Infirmary of Mount Sinai
- New York University School of Medicine
- Rutgers-New Jersey Medical School
- State University of New York - Downstate Medical Center

International Visiting Scholarship (IVS) Alumni Reception,
Booth 211

University of Missouri & University of Nebraska, Booth 201

University of Virginia OTO-HNS, Booth 113

University of Wisconsin Alumni Reception, Booth 101
COMPLIMENTARY COFFEE BREAKS IN THE OTO EXPERIENCE

Monday, September 11
10:00 am - 11:00 am

Tuesday, September 12
9:45 am - 10:45 am

Compliments of Arbor Pharmaceuticals, LLC

RADIO FREQUENCY IDENTIFICATION

Your attendance will be captured electronically by simply walking through the door for all education and scientific poster sessions. We invested in RFID readers above each door that will read your badges when you enter the room. The sessions you attend will automatically be captured and will be pre-populated in the CME/Conference evaluation. However, if you wish to manually select your sessions to evaluate you may do so within the meeting evaluation.
ENJOY LUNCH IN THE OTO EXPERIENCE

Every full and daily conference registrant will receive a lunch ticket for each day they are registered to attend the conference. Tickets can be found within your registration badge. Lunch tickets will be collected when you enter lunch area within the OTO Experience.

BOX LUNCHES WILL BE SERVED:

- Sunday, September 10 12:00 pm - 1:00 pm
- Monday, September 11 12:15 pm - 1:15 pm
- Tuesday, September 12 12:00 pm - 1:00 pm

FOR-PURCHASE FOOD CONCESSION STANDS:

Located in the OTO Experience are a limited number of for-purchase food concession stands.

EACH WILL FEATURE A VARIETY OF CUISINE:

- Deli Sandwiches
- Salads
- Grilled Hamburgers
- Healthy, Low-Calorie Dishes
- Gourmet Pizzas

*These areas are not part of the lunch service included in the registration fee.*

Concession stand customers are responsible for all charges.
HONORARY GUEST LECTURERS

Herbert Silverstein, MD
Howard P. House, MD Memorial Lecture for Advances in Otology
Sunday, September 10
2:15 PM – 3:15 PM
MPCC, E450A

Javier Gavilán, MD
Eugene N. Myers, MD International Lecture on Head and Neck Cancer
Monday, September 11
10:00 am - 11:00 am
MPCC, E450A

Thomas H. Lee, MD, MSc
H. Bryan Neel III, MD, PhD Distinguished Research Lecture
Monday, September 11
2:30 PM – 3:30 PM
MPCC, E450A

Jennifer J. Shin, MD, SM
Cotton-Fitton Endowed Lecture in Pediatric Otolaryngology
Tuesday, September 12
9:45 am - 10:45 am
MPCC, E450A

Michael M. Johns III, MD
John Conley, MD Lecture on Medical Ethics
Tuesday, September 12
2:15 PM – 3:15 PM
MPCC, E450A
DAY-AT-A-GLANCE

**Sunday**

**September 10**

**Sunrise Yoga**
6:00 am - 7:00 am

**Opening Ceremony Featuring Keynote Speaker Daniel Kraft, MD**
8:30 am - 9:30 am

**OTO Experience**
9:30 am - 5:00 pm

**Reg-em Clinical Data Registry Miniseminar: The Evolution of Measurement**
9:45 am - 11:00 am

**Education Sessions**
10:00 am - 12:00 pm

**Complimentary Lunch with the Exhibitors**
12:00 pm - 1:00 pm

**Education Sessions**
1:00 pm - 2:00 pm

**Humanitarian Efforts Forum**
1:00 pm - 3:15 pm

**Howard P. House, MD Memorial Lecture for Advances in Otology and Committee Meetings**
2:15 pm - 3:15 pm

**Education Sessions**
3:30 pm - 4:30 pm

**Education Sessions**
4:45 pm - 5:45 pm

**President’s Reception**
6:00 pm - 7:30 pm
8:30 am - 9:30 am

OPENING CEREMONY
MPCC, Arie Crown Theater

Featuring Daniel Kraft, MD
Gregory W. Randolph, MD, and James C. Denneny III, MD

9:45 am – 11:00 am

MINISEMINAR

Reg-ent℠ Clinical Data Registry Miniseminar: The Evolution of Measurement
MPCC, E450B
James C. Denneny III, MD (Moderator); Lisa E. Ishii, MD, MHS; Richard Rosenfeld, MD, MPH; William Blythe, MD
10:00 am - 10:50 am
INTERNATIONAL SYMPOSIA

Abordajes Quirurgicos a Base de Craneo
Supported by the Panamerican Committee and Skull Base Surgery Committee
MPCC, E353A
Esther X. Vivas, MD (Moderator); C. Arturo Solares Rivera, MD; Oswaldo Henriquez Ajami, MD; Gustavo Pradilla, MD

10:00 am - 11:00 am
INSTRUCTION COURSES

Clinical Fundamentals: Clinical Outcome Measures/Evidence-Based Medicine
MPCC, N226
Michael Stewart, MD, MPH

Down Syndrome: ENT Manifestations and Treatment Options
MPCC, N133
Sally R. Shott, MD

10:00 am - 12:00 pm
INSTRUCTION COURSES

Crystal Clear BPPV
MPCC, E451B
Michael T. Teixido, MD

Frontal Sinus Surgery: Systematic Approach and Execution
MPCC, E353C
Devyani Lal, MD; Peter Hwang, MD

Head and Neck Melanoma: Achieving Clarity Amongst the Controversy
MPCC, E353B
Cecelia E. Schmalbach, MD, MSc; Carol R. Bradford, MD

Lessons Learned from Rhinology Procedure Complications
Supported by the Rhinology and Paranasal Sinus Committee
MPCC, E352
Joseph Han, MD; Raj Sindwani, MD; Eric Holbrook, MD, MS; Rick Chandra, MD; Alexander G. Chiu, MD

Pediatric Hearing Loss: CMV, Genetics, Imaging, and More
MPCC, N228
Margaret A. Kenna, MD, MPH; John H. Greinwald, MD; Daniel Choo, MD
Pediatric Voice Disorders: Diagnosis and Management  
MPCC, N229  
Alessandro De Alarcon, MD, MPH; J. Scott McMurray, MD; Karen Zur, MD; S. Scott Rickert, MD

Professional Singers: The Science and Art of Clinical Care  
MPCC, N230  
Robert T. Sataloff, MD

Sinus and Skull Base Anatomy: An Interactive 3D Workshop  
MPCC, N137  
Peter J. Wormald, MD, PhD, MBBS; Alkis Psaltis, PhD, MBBS

Vocal Nodules, Polyp, Cyst: Diagnosis-Current Treatment  
MPCC, N139  
Clark A. Rosen, MD

Your Practice, Finances, Family, and Negotiation  
MPCC, N231  
KJ Lee, MD; Claire M. Lawlor, MD; Andrew J. Tompkins, MD, MBA

ACCESS CME CONFERENCE EVALUATION

There are many ways you can get to this year’s online Annual Meeting & OTO Experience Evaluation:

- Visit the Computer Stations located in the MPCC, Lakeside Level 3, E354.
- Link from the Annual Meeting mobile application
- Access the evaluation website on your personal computer, laptop, or smartphone

Evaluations should be completed by October 13, 2017

Download the mobile app or visit www.entannualmeeting.org.

Attendees must be logged into the app to experience full functionality.
<table>
<thead>
<tr>
<th>Time</th>
<th>Presentation Title</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:00 am</td>
<td>Chemogenetic Stimulation of Upper Airway for Sleep Apnea</td>
<td>Thomaz A. Fleury Cunada, MD, PhD; Kenneth Fishbein, PhD; Michael J. Brennick, PhD; Luiz Uribarrea Sennes, MD, PhD; David Mendelowitz, PhD; Alan Schwartz, MD; Vsevolod Polotsky, MD, PhD</td>
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<tr>
<td>10:06 am</td>
<td>Adenoid Regrowth in Obstructive Sleep Apnea Patients as Determined by Drug-Induced Sleep Endoscopy</td>
<td>Habib Zalzal, MD; Steven W. Coutras, MD; Naimika Nanda</td>
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<tr>
<td>10:12 am</td>
<td>Drug-Induced Sleep Endoscopy Findings in Positional and Non-Positional Obstructive Sleep Apnea</td>
<td>Ronica Patel, MD; Eric J. Kezirian, MD, MPH</td>
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<tr>
<td>10:18 am</td>
<td>Patients PedsQL Scores Correlate with Obstructive Sleep Apnea Severity</td>
<td>Mathieu Bergeron, MD, FRCS; Angela L. Duggins, MSc, RN; Stacey L. Ishman, MD, MPH</td>
</tr>
<tr>
<td>10:24 am</td>
<td>Upper Airway Stimulation for Obstructive Sleep Apnea: German Post Market Study</td>
<td>Clemens Heiser, MD; Benedikt Hofauer, MD; J. Ulrich Sommer, MD; Joachim T. Maurer, MD; Armin Steffen, MD, PhD</td>
</tr>
<tr>
<td>10:30 am</td>
<td>Conventional Airway Surgery versus CN XII Stimulation for Obstructive Sleep Apnea</td>
<td>Janki Shah, MD; Jonathon O. Russell, MD; Tina Waters, MD; Alan H. Kaminsky, MD; Douglas Trask, MD, PhD</td>
</tr>
<tr>
<td>10:36 am</td>
<td>Upper Airway Stimulation Does Not Cause Dysphagia</td>
<td>Colin Huntley, MD; David Chou; Michael Mullens; Haley Geosits; Karl Doghramji, MD; Maurits Boon, MD</td>
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<tr>
<td>10:42 am</td>
<td>Surgical Anatomy of the Distal Hypoglossal Nerve</td>
<td>Zachary N. Robinett, MD; Douglas J. Van Daele, MD; Andrew Goates, BS</td>
</tr>
<tr>
<td>10:48 am</td>
<td>Upper Airway Stimulation for Obstructive Sleep Apnea</td>
<td>Carol Li, MD; Mark D’Agostino, MD; Maria Suurma, MD</td>
</tr>
<tr>
<td>10:54 am</td>
<td>Upper Airway Stimulation Use in Failed Prior Sleep Surgery</td>
<td>Colin Huntley, MD; Karl Doghramji, MD; Maurits Boon, MD</td>
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</tbody>
</table>
10:00 am - 12:00 pm

MINISEMINARS

11th Annual Academic Bowl
Supported by the Education Steering Committee
MPCC, E351
Sonya Malekzadeh, MD (Moderator); Richard V. Smith, MD

Advance Practice Providers in ENT: Justify, Recruit, and On-Board for Success
Supported by the Education Steering Committee
MPCC, N128
Kristi Gidley, PA-C, MSHA (Moderator); Peter Costantino, MD; Marie Gilbert, PA-C; Wendy Stern, MD; Scott Stringer, MD

Ask the Experts: Sleep Apnea Decisions in 2017
MPCC, N227A
Michael Friedman, MD (Moderator); Eric J. Kezirian, MD, MPH; Erica Thaler, MD; Edward M. Weaver, MD, MPH; Hsin-Ching Lin, MD; Kathleen Yaremchuk, MD; Ryan Soose, MD

Controversy in Approaches for Superior Canal Dehiscence
Supported by the Otology and Neurotology Education Committee
MPCC, N138
Christopher Schutt, MD; Seilesh Babu, MD; Dennis Bojrab, MD; John Carey, MD; Marc Logan Bennett, MD; Lorne Parnes, MD

Facial Nerve Paralysis
MPCC, N136
Mark K. Wax, MD; Myriam Loyo, MD; Fred Fedok, MD; Kofi Boahene, MD

Human Papillomavirus Oropharyngeal Cancer Update 2017
Supported by the Head & Neck Surgery and Oncology Committee
MPCC, N135
Marcus Monroe, MD; James W. Rocco, MD, PhD; Scharukh Jalisi, MD; Arun Sharma, MD, MS; Carole Fakhry, MD, MPH

I Hate My Hearing Aids: Other Options for Hearing Loss
Supported by the Otology and Neurotology Education Committee
MPCC, E451A
Daniel Zeitler, MD; Hillary Snapp, PhD; Douglas A. Chen, MD; Alex D. Sweeney, MD; Matthew L. Bush, MD, PhD

Sialendoscopy: Beginner’s Basics to Advanced Challenges
Supported by the Medical Devices and Drugs Committee
MPCC, N227B
Gordon Siegel, MD; David W. Eisele, MD; Rohan Walvekar, MD; M. Boyd Boyd Gillespie, MD, MS; Barry M. Schaitkin, MD

Tough to Swallow: Dysphagia for the General ENT
Supported by the Laryngology and Brochoesophagology Education Committee
MPCC, E350
Libby Smith, DO; Neil Gildener-Leapman, MD; Lindsay Reder, MD
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Title</th>
<th>Presenters</th>
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<tbody>
<tr>
<td>10:00 am</td>
<td>Scientific Oral Presentations</td>
<td>Age and Online Presence Affect ENT</td>
<td>Nathaniel E. Calixto; Whitney Chiao; Megan L. Durr, MD; Nancy Jiang, MD</td>
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<tr>
<td>10:06 am</td>
<td>Balloon Catheter Dilation and 'Sinus Pressure' Headaches</td>
<td>Balloon Catheter Dilation and 'Sinus Pressure' Headaches</td>
<td>Adrienne M. Laury, MD; Kevin McMains, MD; Philip G. Chen, MD</td>
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<tr>
<td>10:12 am</td>
<td>Balloon Dilation of the Eustachian Tube: 12M Follow-Up</td>
<td>Balloon Dilation of the Eustachian Tube: 12M Follow-Up</td>
<td>Vijay Anand, MD, MBBS; John Leopold; Dennis Poe, MD, PhD</td>
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<tr>
<td>10:18 am</td>
<td>Can Variations in the Thymic Stromal Lymphopoietin Gene Predict Activity in Chronic Rhinosinusitis?</td>
<td>Can Variations in the Thymic Stromal Lymphopoietin Gene Predict Activity in Chronic Rhinosinusitis?</td>
<td>Leandra Mfuna Endam, MSc; Yohan Bosse, PhD; Louis-Philippe Boulet, MD; Pierre Boisvert, MD; Martin Desrosiers, MD</td>
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<tr>
<td>10:24 am</td>
<td>Chronic Ear: Does Mastoidectomy Increase Complications?</td>
<td>Chronic Ear: Does Mastoidectomy Increase Complications?</td>
<td>Matthew Shew, MD; Thomas J. Muellerman, MD; Mark Villwock, MS; Kevin J. Sykes, PhD, MPH; Hinrich Staeker, MD, PhD; James Lin, MD</td>
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<tr>
<td>10:30 am</td>
<td>Comorbidity in Head and Neck Squamous Cell Carcinoma Survivors over Time</td>
<td>Comorbidity in Head and Neck Squamous Cell Carcinoma Survivors over Time</td>
<td>Danielle F. Eyman, MD; Amanda L. Blockford, MSc; Mira Patel, MD; David W. Eisele, MD; Carole Fakhry, MD, MPH</td>
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<tr>
<td>10:36 am</td>
<td>Effects of Common Ear Drops on Tympanic Membrane Healing</td>
<td>Effects of Common Ear Drops on Tympanic Membrane Healing</td>
<td>Carolyn O. Drain, PhD; Brendan Kosko; Brittany Dobson, MD; Patrick J. Antonelli, MD, MS</td>
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<tr>
<td>10:42 am</td>
<td>Five Year Results of CNXII Stimulation for Obstructive Sleep Apnea</td>
<td>Five Year Results of CNXII Stimulation for Obstructive Sleep Apnea</td>
<td>B. Tucker Woodson, MD; Ryan Soose, MD; Joachim T. Maurer, MD; M. Boyd Gillespie, MD, MS</td>
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<tr>
<td>10:48 am</td>
<td>Macrophages Promote Fibrogenesis in Airway Fibroblasts</td>
<td>Macrophages Promote Fibrogenesis in Airway Fibroblasts</td>
<td>Kevin Motz, MD; Michael Murphy, MD; Linda Yin; Madhavi Duvvuri; Dacheng Ding, MD, PhD; Alexander T. Hillel, MD</td>
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<tr>
<td>10:54 am</td>
<td>Microbiomes of Normal Middle Ear and Chronic Otitis Media</td>
<td>Microbiomes of Normal Middle Ear and Chronic Otitis Media</td>
<td>Shujiro Minami, MD; Hideki Mutai, PhD; Arata Horii, MD; Naoki Oishi, MD, PhD; Koichiro Wissano, MD; Kimittaka Kaga, MD</td>
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<tr>
<td>11:00 am</td>
<td>Patient Preferences In Subglottic Stenosis Treatment</td>
<td>Patient Preferences In Subglottic Stenosis Treatment</td>
<td>Matthew R. Naunheim, MD, MBA; Margaret L. Naunheim, MD; Ramon A. Franco, MD; Mark G. Shrim, MD, PhD, MPH; Phillip C. Song, MD</td>
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<tr>
<td>11:06 am</td>
<td>Pediatric Septoplasty and Rhinoplasty: A Quality-of-Life Outcome Study</td>
<td>PED</td>
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<td>Alexander Manteghi, DO; Hena Din, MPH; Shelby Leuin, MD</td>
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<td>11:12 am</td>
<td>Predicting Hypocalcemia after Thyroidectomy</td>
<td>ES</td>
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<td>Nolan B. Seim, MD; Rameez Philips; Amit Agrawal, MD</td>
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<td>11:18 am</td>
<td>Reoperation and Readmission after Parathyroidectomy</td>
<td>ES</td>
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<td>Ansley M. Roche, MD; Jason Brant, MD; Raymond L. Chai, MD</td>
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<tr>
<td>11:24 am</td>
<td>Utility of Adjuvant Therapy for pN1 Oropharynx Carcinoma</td>
<td>HNS</td>
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<td>Brennan Olson; Daniel R. Clayburgh, MD, PhD</td>
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<tr>
<td>11:30 am</td>
<td>Validation of A Pediatric Dysphagia Quality-of-Life Instrument</td>
<td>PED</td>
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<td>Derek J. Lam, MD, MPH; Zipei Feng, PhD; Eleni O’Neill, MPH; Carol MacArthur, MD</td>
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<tr>
<td>11:36 am</td>
<td>What Do Patients Want From Otolaryngologists?</td>
<td>BMP</td>
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<td>Matthew R. Naunheim, MD, MBA; Vinay K. Rash, MD; Blake C. Alkire, MD; Allen C. Lam, MD;</td>
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<td>Philip C. Song, MD; Mark G. Shrime, MD, PhD</td>
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<td>11:42 am</td>
<td>Autologous versus Cadaveric Rib Grafts in Rhinoplasty</td>
<td>SM</td>
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<td>Lauren Reckley, MD; Michael P. Del Do, MD; Jeffrey Texeira, MD; Daniel Tran, MD; Jared M. Theier,</td>
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<td>MD; Macario Camacho, MD</td>
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<tr>
<td>11:48 am</td>
<td>Head and Neck Microvascular Reconstruction in the Elderly</td>
<td>SM</td>
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<td>Jacob Brady; Meghan Crippen, MS; Amy Bansal, MD; Jean Anderson Eloy, MD;</td>
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<td>Soly Baredes, MD; Richard Chan Woo Park, MD</td>
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**INTERNATIONAL SYMPOSIA**

**Cochlear Implant: Where are We and Where are We Going?**
Supported by the Federation of Argentinean Societies of Otolaryngology (F.A.S.O.), Brazilian Association of Otorhinolaryngology, and Panamerican Association of Otolaryngology-Head and Neck Surgery

Carlos Boccio, MD, PhD (Moderator); Federico A. Di Lella, MD; Ricardo F. Bento, MD, PhD; Leopoldo Jose Cordero, MD; Jose Alberto Prieto, MD; Carlos Curet, MD, PhD

**INSTRUCTION COURSE**

**Transoral Neck Surgery: Thyroid and Parathyroid Surgery**

Jeremy D. Richmon, MD; Jonathon O. Russell, MD; Thanyawat Sasanakietkul, MD; Young Jun Chai, MD, PhD


DAILY SCHEDULE

12:00 pm - 1:00 pm

LUNCH WITH THE EXPERTS
MPCC, Hall D, Booth 2500

Facial Plastic Surgery - Facial Nerve: Patrick J. Byrne, MD
Head and Neck Cancer: Daniel G. Deschler, MD
Head and Neck Cancer: Thomas J. Gal, MD, MPH
Head and Neck Surgery: Brian B. Burkey, MD
Laryngology: Clark A. Rosen, MD
Otology: David Kaylie, MD
Pediatric Otolaryngology: Anna H. Messner, MD
Recalcitrant CRS with Nasal Polyps: Joseph K Han, MD
Resident and Faculty Development: Michael Seidman, MD
Sleep Medicine: B. Tucker Woodson, MD

1:00 pm - 1:50 pm

INTERNATIONAL SYMPOSIA

Abordaje de las Complicaciones Intracraneanas Otogenas
MPCC, E353A
Gabriel R. Charlone, MD (Moderator); Andres M. Saibene, MD; Ta Liu, MD

Recent Advances in the Management of Chronic Sinusitis
Supported by the Korean Society of Otorhinolaryngology
MPCC, N134
Chae Seo Rhee, MD, PhD (Moderator); Seung Hoon Lee, MD, PhD; Soo Whan Kim, MD, PhD; Eugene Chang, MD; David W. Jang, MD

ACCESS THE CONFERENCE EVALUATION

There are many ways you can access the Conference Evaluation:

- Download the Annual Meeting mobile app
- Visit the Computer Stations
- Access the evaluation website on your personal computer, laptop, or smartphone: www.entannualmeeting.org
1:00 pm - 2:00 pm

INSTRUCTION COURSES

A Comprehensive Review of Reconstructions of the Lips
MPCC, N136
Gregory Renner, MD

Cochlear Implantation in Infants and Children
MPCC, E450B
Blake C. Papsin, MD; Sharon L. Cushing, MD

Avoiding Errors in VNG Interpretation
MPCC, E451B
Steven A. Telian, MD, MS; Meredith Adams, MD

Common Causes of Hoarseness That are Commonly Missed
MPCC, N230
Pieter Noordzij, MD; Seth Cohen, MD, MPH

Errors in Otolaryngology: Where Can We Go Wrong
MPCC, N231
Rahul Shah, MBA; Brian Nussenbaum, MD

Evidence-Based Otitis Media 2017
MPCC, N229
Richard M. Rosenfeld, MD, MPH

Evidence-Based Practice Management of Dizzy Patients
MPCC, N129
David R. Friedland, MD, PhD

Forming a Large Group Practice: BMP Lessons and Strategies
MPCC, N140
Robert A. Glazer

Hot Coding Topics in Otolaryngology 2017
MPCC, N128
Richard W. Waguespack, MD; Lawrence M. Simon, MD

HPV: What the Practicing Clinician Should Know
MPCC, N227B
Eric M. Genden, MD

Improving Results Reporting in the Medical Literature
MPCC, N226
Jay Piccirillo, MD

Interactive Otologic Surgical Anatomy: 3D
MPCC, N132
Nikolas Blevins, MD; Sumit K. Agrawal, MD; Peter Santa Maria, PhD, MBBS
Low Risk PTC: American Thyroid Association - Lobectomy, Micro Papillary, and NIFTP

MPCC, E353B
Gregory W. Randolph, MD

Post-Tonsillectomy Fatality: Is It Only Bad Luck?

MPCC, E351
Jean-Yves Sichel, MD; Ronen Perez, MD

Sinus Surgery: Optimizing Surgery for Topical Delivery

MPCC, N137
James Palmer, MD; Nithin D. Adappa, MD

Treatment of Juvenile Respiratory Papillomatosis

MPCC, N228
Seth M. Pransky, MD

Understanding Olfactory Disorders

MPCC, E353C
Eric Holbrook, MD, MS; Donald Leopold, MD

1:00 pm - 2:00 pm

MINISEMINARS

Aging Otolaryngologist
Supported by the Geriatric Otolaryngology Committee

MPCC, N133
Robert T. Sataloff, MD (Moderator); Karen Kost, MD, FRCS; Brian J. McKinnon, MD, MBA, MPH; Susan McCammon, MD; Steven Parnes, MD

Clinical Practice of Selective Upper Airway Stimulation

MPCC, N227A
Mario Suurna, MD (Moderator); Clemens Heiser, MD; Maurits Boon, MD

Decision-Making in Vocal Fold Paralysis: Why We Do What We Do

MPCC, E350
VyVy N. Young, MD (Moderator); Milan Amin, MD; C. Blake Simpson, MD; David E. Rosow, MD; Joel H. Blumin, MD

Lessons Learned: Understanding Otology Malpractice
Supported by the Hearing Committee and Otology and Neurotology Education Committee

MPCC, E451A
Douglas Ruhl, MD, MSPH (Moderator); Anthony M. Tolisano, MD; Gil Siegal, MD, PhD, JD

Novel Therapeutic Modalities for Recalcitrant Sinusitis
Supported by Rhinology and Paranasal Sinus Committee

MPCC, E352
Jivianne Lee, MD (Moderator); Joseph Han, MD; Scott Stringer, MD

Sinus Pharyngeus: Things that Go Lump in the Night

MPCC, E450A
Alexander T. Hillel, MD (Moderator); Stella Lee, MD; Paul C. Bryson, MD; Kevin McMains, MD
1:00 pm - 2:00 pm

SCIENTIFIC ORAL PRESENTATIONS
HEAD AND NECK SURGERY
Moderators: Steven Cannady, MD; Mark E. P. Prince, MD
MPCC, N135

1:00 pm  Floor of Mouth Squamous Cell Carcinoma: A Population Study
Satvir Saggi; Edward C. Kuan, MD, MBA; Maie St. John, MD, PhD

1:06 pm  Package Time and Survival in Oral Cavity Cancer
Michelle Chen, MD, MHS; Jeremy P. Harris, MD; Ryan Orosco, MD; Wendy Harra, MD; Vasu Divi, MD

1:12 pm  Mucoepidermoid Carcinoma: A 23-Year Experience
Joseph W. Spellman, MD; Gabriel Calzada, MD

1:18 pm  Floor of Mouth Window Improves Access in Transoral Surgery
Jeffson Chung, MD; Adam Bender-Heine, MD; H. Wayne Lambert, PhD

1:24 pm  National Trends in Parotidectomy: A 14 Year Analysis
Rosh K. Sethi, MD, MPH; Daniel G. Deschler, MD

1:30 pm  Racial Disparities in Oral Cavity Cancer Treatment
Kajal Shah; Dominick Congiusta, MPH; Jacob Brady; Monica Azmy; Soly Boredes, MD; Richard Chan Woo Park, MD

1:36 pm  Anatomic Subsite and Oral Cavity Cancer Mortality
Zachary Farhood, MD; Matthew Simpson, MPH; Gregory Ward, MD; Ronald Walker, MD; Nosayaba Osazuwa-Peters, MPH

1:42 pm  Surgeon-Performed Ultrasound to Assess Parotid Masses
Melissa Zheng; Madeleine P. Strohl, MD; William R. Ryan, MD

1:48 pm  Therapy and Outcome of Recurrent Parotid Gland Carcinomas
Roland Giger, MD; Urs Borner, MD; Cilgia Dür, MD; Andreas Arnold, MD; Lluis Nisa, MD

1:54 pm  Submandibular Gland Excision: A Database Analysis
Ryan P. McSpadden, MD
### SCIENTIFIC ORAL PRESENTATIONS

**OTOLOGY/NEUROTOLOGY**  
Moderators: Abraham Jacob, MD; David M. Kaylie, MD, MS  
**MPCC, N138**

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<tr>
<th>Time</th>
<th>Title</th>
<th>Presenters</th>
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<tr>
<td>1:00 pm</td>
<td>Ciprofloxacin-Resistant MRSA’s Response to Ototopicals</td>
<td>David D. Walker, MD; Michael Z. David, MD, PhD; Robert Daum, MD; Susan Boyle, PhD; Dominic Catalano; Michael B. Gluth, MD</td>
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<td>1:06 pm</td>
<td>Decrease in Pneumococcal Otitis Media Culture</td>
<td>Basel Jabarin, MD; Ephraim Eviatar, MD; Haim Gavriel, MD, PhD; Tal Marom, MD</td>
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<tr>
<td>1:12 pm</td>
<td>Predictive Factors for Hearing Result after Canaloplasty</td>
<td>Yang-Sun Cho, MD, PhD; Jungmin Ahn, MD</td>
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<td>1:18 pm</td>
<td>Video Self Assessment of Resident Mastoidectomy</td>
<td>Ashok R. Jethwa, MD; Elizabeth A. Kelly, MD; Samuel Levine, MD; Christopher J. Perdoni, MD; Bevan Yueh, MD, MPH; Meredith Adams, MD</td>
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<tr>
<td>1:24 pm</td>
<td>Morbidity in Pediatric and Adult Otologic Surgery</td>
<td>Christopher Schutt, MD; Elias Michaelides, MD; Phoebe Kuo; Jennifer Schwam; Zachary Schwam, MD</td>
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<tr>
<td>1:30 pm</td>
<td>Endoscopic Anatomy of the Tensor Fold and Anterior Attic</td>
<td>Bin Li, MD; Phi Doan, MD; Manuela Fina, MD</td>
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<td>1:36 pm</td>
<td>Does Light Intensity Matter in Endoscopic Ear Surgery?</td>
<td>Rhona McCallum, MBCh; John H. McColl, MSc; Arunachalam Iyer, MD, MS, FRCS</td>
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<tr>
<td>1:42 pm</td>
<td>Skill Improvement Using An Endoscopic Ear Surgery Trainer</td>
<td>Matthew Dedmon, MD, PhD; Deborah Xie; Brendan O’Connell, MD; Marc Logan Bennett, MD; David S. Haynes, MD; Alejandro Rivas, MD</td>
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1:00 pm - 2:00 pm
SCIENTIFIC ORAL PRESENTATIONS
LARYNGOLOGY / BRONCHO-ESOPHAGOLOGY
Moderators: Phillip C. Song, MD; Inna Husain, MD
MPCC, N139

1:00 pm  A 3-Dimensional Bioprinted Tracheal Segment Implant
Rachel Kaye, MD; Todd Goldstein, PhD; Daniel A. Grande, PhD; David Zeltsman, MD; Lee P. Smith, MD

1:06 pm  Risk Factors for Post-Tracheostomy Tracheal Stenosis
Michael M. Li; Yin Yiu, MD; Tyler Merrill; Laura Matrka, MD

1:12 pm  Non Operative Management of Tracheobronchial Injuries
Awwadh Althobaiti, MBBS; Mazin Merdad, MD, MPH, MBBS; Mohammad Mahfouz, MD

1:18 pm  NSQIP Pediatric Outcomes: Endoscopic Airway Dilation
Jennifer Lavin, MD; Avni Bavishi, MS; Emily Boss, MD, MPH; Rahul Shah, MBA

1:24 pm  Latrogenic Tracheal Stenosis at Two Tertiary Care Centers
Michael M. Li; Andrew J. Bowen; Yin Yiu, MD; Tyler Merrill; Tiffany Huang; Paul C. Bryson, MD; Laura Matrka, MD

1:30 pm  Jet Ventilation in Obese and Morbidly Obese Patients
Ramez Philips; Laura Matrka, MD; Brad deSilva, MD

1:36 pm  A Novel 3-D Printed Pediatric Rigid Bronchoscope
J. Fredrik Grimmer, MD; Mitchell Barneck

1:42 pm  Scaffold Thickness on Tissue Engineered Trachea Outcomes
Tendy Chiang, MD; Victoria Pepper, MD; Cameron Best; Sayali Dharmadhikari, MS; Nakesha King, MD; Eric Heuer; Jed Johnson, PhD

1:54 pm  Relation Between HPV-16 and Tumor Stage
Mohammed A. Gomaa, MD

1:00 pm - 3:15 pm
HUMANITARIAN EFFORTS FORUM
MPCC, N127
## Daily Schedule

### Sunday

### 2:15 pm - 3:05 pm

**International Symposiums**

**Avoiding Complications in FESS (in Spanish)**  
MPCC, E353A  
J. Pablo Stolovitzky, MD (Moderator); Ricardo L. Carrau, MD; Enrique Antonio Iturriaga, MD; Hector de la Garza, MD

### 2:15 pm - 3:15 pm

**Honorary Guest Lecture**  
MPCC, E450A  
Howard P. House, MD Memorial Lecture for Advances in Otology  
Herbert Silverstein, MD

### 3:30 pm - 4:20 pm

**International Symposiums**

**Advanced Technologies and the Upper Airway in Obstructive Sleep Apnea**  
Supported by the Federation of Argentinean Societies of Otolaryngology (F.A.S.O.)  
MPCC, E353A  
Graciela Pepe, PhD (Moderator); Eduardo Busto, MD, PhD; Guillermo Plaza, MD, PhD; Peter Michael Baptista, MD, PhD

**Cochlear Implants: Beyond Speech Perception**  
MPCC, N134  
Chul Won Park, MD, PhD (Moderator); Jong Woo Chung, MD, PhD; Jae Yun Jung, MD, PhD; Charles Limb, MD; David Chi, MD

### 3:30 pm - 4:30 pm

**Instruction Courses**

**An Update of Pediatric Acute and Chronic Rhinosinusitis**  
MPCC, E351  
Sapideh Gilani, MD

**Chronic Cough in Children**  
MPCC, N228  
Samantha Anne, MD, MS; Catherine Hart, MD
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<th>Time</th>
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<tr>
<td>3:30 pm - 5:30 pm</td>
<td><strong>INSTRUCTION COURSE</strong>&lt;br&gt;Ear and Temporal Bone: Histology, Histopathology, and Radiology</td>
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<td>MPCC, E450B</td>
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<td>Sujana S. Chandrosekhar, MD; Hosakere K. Chandrosekhar, MD</td>
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**Saturday**

- **Drug Induced Sleep Endoscopy in Adults and Children 2017**<br>MPCC, N227A<br>B. Tucker Woodson, MD; Stacey L. Ishman, MD, MPH; Cecille Sulman, MD
- **Laryngectomy in the Era of Chemoradiation**<br>MPCC, N227B<br>William Carroll, MD; Eben Rosenthal, MD
- **Laser Therapy in Vascular Anomalies of the Head and Neck**<br>MPCC, N229<br>Gresham T. Richter, MD; Tara L. Rosenberg, MD
- **Lasers in Laryngology**<br>MPCC, N139<br>C. Gaelyn Garrett, MD; Lou Reinisch, PhD
- **Management of Head/Neck Ballistic and Avulsive Injuries**<br>Center, N133<br>Neal D. Futran, MD; D. Gregory Farwell, MD
- **Minimally Invasive Pituitary Surgery**<br>MPCC, E353C<br>Brent A. Senior, MD
- **Ossiculoplasty: Indications and Techniques**<br>MPCC, E451A<br>John L. Dornhoffer, MD
- **Otosclerosis: From Standard to Challenging Cases**<br>MPCC, N138<br>Daniele Bernardeschi, MD, PhD; Olivier Sterkers, MD, PhD
- **Recurrent Respiratory Papillomas: Update 2017**<br>MPCC, E350<br>Craig S. Derkay, MD; Paolo Campisi, MD
- **Temporal Bone Cancer**<br>MPCC, N129<br>Paul W. Gidley, MD
- **Treatment of Allergic Rhinitis: An Evidence-Based Review**<br>MPCC, E352<br>Fuad M. Baroody, MD
- **Vocal Fold Paresis: Is That a Thing?**<br>MPCC, N128<br>Babak Sadoughi, MD; Lucian Sulica, MD
3:30 pm - 4:30 pm

MINISEMINARS

**AAO-HNSF Clinical Practice Guideline: Evaluation of the Neck Mass in Adults**
Supported by the Guideline Task Force

MPCC, E353B
Melissa Pynnonen, MD, MSc (Moderator); M. Boyd Gillespie, MD, MS; Benjamin Roman, MD; Richard M. Rosenfeld, MD, MPH

**Balloon Sinuplasty: Indications, Technique, and Evidence**

MPCC, N231
Waleed M. Abuzeid, MD (Moderator); Michael Setzen, MD; Satish Govindaraj, MD; Devyani Lal, MD

**Difficult Nasal Polyps: Allergic Fungal Sinusitis and Aspirin-Exacerbated Respiratory Disease Success Strategies**

MPCC, N137
James Palmer, MD (Moderator); Nithin D. Adappa, MD

**Evidence-Based Management of Meniere’s Disease**
Supported by the Outcomes Research and Evidence-Based Medicine Committee and Equilibrium Committee

MPCC, E451B
Seth R. Schwartz, MD, MPH (Moderator); Michael D. Seidman, MD; Michael E. Hoffer, MD; Heather M. Weinreich, MD, MPH

**Recent Publications that Could Change Your Practice**
Supported by the Outcomes Research and Evidence-Based Medicine Committee

MPCC, E450A
Jennifer J. Shin, MD, MS (Moderator); Michael Stewart, MD, MPH; Jay Piccirillo, MD; Scott Brietzke, MD, MPH

**Remorse to Recourse: Surgeon Response to Medical Errors**
Supported by the Young Physicians Section and the Ethics Committee

MPCC, N226
Aru Panwar, MD (Moderator); Susan McCommon, MD; Gretchen Ruoff, MPH; Albert Wu, MD, MPH

**The Aging Voice: Can it be Prevented or Treated?**
Supported by the Geriatric Otolaryngology Committee

MPCC, N230
Karen Kost, MD, FRCS (Moderator); Ozlem E. Tulunay-Ugur, MD

3:30 pm - 5:30 pm

MINISEMINAR

**The Business of Medicine for Residents and Fellows**

MPCC, N140
Lee D. Eisenberg, MD, MPH (Moderator); Bill Moran, MD; Mark K. Wax, MD; Christine Franzese, MD
3:30 pm - 4:30 pm

SCIENTIFIC ORAL PRESENTATIONS
ENDOCRINE SURGERY & HEAD AND NECK SURGERY
Moderator: David M. Cognetti, MD
MPCC, N135

3:30 pm  Cost-Utility Analysis of Pediatric Grave's Therapy
Prasanth Pattisapu, MD, MPH; Ioanna Athanassaki, MD; Ashish
Deshmukh, PhD, MPH; Deepak Mehta, MD, FRCS; Haejin In,
MD, MBA, MPH; Daniel C. Chelius, Jr., MD

3:36 pm  Metabolic Tumor Volume on FDG-PET Predicts Clinical
Outcome in Thyroid Cancer
Atsushi Hanamoto, MD, PhD; Junji Miyabe, MD; Hidenori
Inohara, MD, PhD

3:42 pm  Recent Progress in Retroauricular Robotic Thyroidectomy
Estelle Eun Hae Chang, MD, MPH; Hyung Kwon Byeon, MD,
PhD; Chris Holsinger, MD; Da-Hee Kim, MD; Ji Hoon Kim, MD;
Yoon Woo Koh, MD, PhD

3:48 pm  Techniques to Reduce Post-thyroidectomy Hypocalcemia
David S. Kim, MD; Annabel E. Barber, MD; Robert C. Wang, MD

3:54 pm  Tumor Heterogeneity on FDG PET of Papillary Thyroid
Cancer
Junji Miyabe, MD; Atsushi Hanamoto, MD, PhD; Hidenori
Inohara, MD, PhD

4:06 pm  Voice Changes after Thyroidectomy Impacts Quality of
Life
Jesper R. Sorensen, MD; Helle Dissing, MD, PhD; Steen
J. Bonnema, MD, PhD; Laszlo Hegedüs, MD; Trine Printz;
Christian Godballe, MD, PhD

4:12 pm  Intraoperative Neuromonitoring for Retroauricular versus
Open Thyroidectomy
Eun Hae Chang, MD, MPH; Jae Sung Nam, MD; Da-Hee Kim,
MD; Gregory W. Randolph, MD; Gianluorenzo Dionigi, MD; Yoon
Woo Koh, MD, PhD

4:18 pm  Role of Hemithyroidectomy for PTC with Minimal ETE
Yong Bae Ji, MD, PhD; Chang Myeon Song, MD, PhD;
Min Sung Chung, MD, PhD; Kyung Tae, MD, PhD

4:24 pm  Combination of Goiter Manifestations: A Thyroid
Syndrome
Ali Saeed Al-Qahtani, MD
### 3:30 pm - 4:30 pm

#### SCIENTIFIC ORAL PRESENTATIONS

**FACIAL PLASTIC AND RECONSTRUCTIVE SURGERY**

Moderators: J. Randall Jordan, MD, FACS; Lance A. Manning, MD

**MPCC, N136**

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<th>Time</th>
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<tr>
<td>3:30 pm</td>
<td>The Effect of Surgical Repair on Facial Nerve Function Rebuilding</td>
<td>Li Li; Zhaomin Fan; Yuechen Han; Pengcheng Sun; Haibo Wang</td>
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<td>3:36 pm</td>
<td>Comparative Analysis for Oral Cavity Reconstruction</td>
<td>Lewis Overton, MD; Maheer Masood; Trevor Hackman, MD</td>
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<tr>
<td>3:42 pm</td>
<td>Evaluating Risk in Free Flap Surgery of the Obese Patient</td>
<td>Meghan Crippen, MS; Jacob Brady; Jean Anderson Eloy, MD; Soly Baredes, MD</td>
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<td>3:48 pm</td>
<td>Combat Head and Neck Trauma, Iraq and Afghanistan: 2011-2016</td>
<td>Alexander Lanigan, MD; Brentley Lindsey; Stephen Maturo, MD; Joseph Brennan, MD; Adrienne M. Laury, MD</td>
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<tr>
<td>3:54 pm</td>
<td>Anterior Nasal Spine Length and Nasal Tip Over-Projection</td>
<td>Brett J. Baldwin, DO; Richard Arden, MD</td>
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<td>4:00 pm</td>
<td>The Paramedian Forehead Flap in Tobacco Users</td>
<td>Amanda Jo L. Marcellino, MD; Brian Downs, MD; Joseph G. Sinnwell; Brent Geffen, MS; Michael Anderson, MS</td>
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<tr>
<td>4:06 pm</td>
<td>Technique and Complications of Temporal Hollowing Repair</td>
<td>Gabriel F. Santiago, MD; Jeffery Teixeira, MD; Chad R. Gordon, DO</td>
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<td>4:12 pm</td>
<td>Temporalis Myoplasty in Facial Paralysis Reanimation</td>
<td>Catherine Dufour-Fournier, MD; Akram Rahal, MD</td>
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<td>4:18 pm</td>
<td>Effect of Spreader Graft to INV Stenosis with High Nasal Septum Deviation</td>
<td>Wan-Hsuan Sun, MD; Pa-Chun Wang, MD, MBA, MSc; Su-Yi Hsu, MD, MSc</td>
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## INSTRUCTION COURSES

### 4:45 pm - 5:45 pm

**Auditory Neuropathy: Evidence-Based Clinical Approach**  
MPCC, E451A  
Christina Runge, PhD; David R. Friedland, MD, PhD

**Building a Referral Network in Medicine's Changing Times**  
MPCC, N231  
Douglas D. Backous, MD

**Contemporary Management of Inverted Papilloma**  
MPCC, E353C  
Pete Batra, MD

**Current Concepts in Vocal Fold Paralysis**  
MPCC, N139  
Lucian Sulica, MD

**Endoscopic Ear Surgery: Decisions and Problem Solving**  
MPCC, N133  
Manuela Fina, MD; Daniele Marchioni, MD

**Evidence-Based Management of Invasive Thyroid Cancer**  
MPCC, E353B  
Joseph Scharpf, MD; Brian Burkey, MD, MEd

**How to Read, Interpret, and Create Systematic Reviews**  
MPCC, N226  
Richard M. Rosenfeld, MD, MPH; Edward D. McCoul, MD, MPH

**Management of Intratemporal Facial Nerve Tumors**  
MPCC, N129  
Simon I. Angeli, MD

**Practical Assessment of the Dizzy Patient**  
MPCC, E451B  
Steven D. Rauch, MD

**Reflux Testing in Otolaryngology: What You Need to Know**  
MPCC, E350  
Jonathan M. Bock, MD; Joel H. Blumin, MD

**Sublingual Immunotherapy (SLIT): Why and How?**  
MPCC, E352  
Sarah K. Wise, MD, MS; Michael P. Platt, MD, MS
Surgical Rejuvenation of the Aging Forehead and Brow
MPCC, E450A
Tom D. Wang, MD

The Supraclavicular Flap in Head and Neck Reconstruction
MPCC, N227B
Daniel G. Deschler, MD; Kevin Emerick, MD

Tonsils and Adenoids: What Is New?
MPCC, N229
Ron Mitchell, MD; Kevin Pereira, MD, MS

Velopharyngeal Dysfunction: Diagnostics and Management
MPCC, N228
Larry D. Hartzell, MD; Adam B. Johnson, MD, PhD

What if It’s Not Reflux?
MPCC, E351
Brent E. Richardson, MD

2018 CALL FOR SCIENCE

NEW THIS YEAR!
There will be ONE timeframe to submit:
- Instruction Course
- International Symposium
- Masters of Surgery Video Presentations
- Miniseminar
- Scientific Oral/Poster Abstracts

The submission site will open Monday, November 20, 2017 and close Wednesday, January 17, 2018, 11:59 pm ET.
4:45 pm - 5:35 pm

INTERNATIONAL SYMPOSIA

**Pediatric Sinusitis and Eustachian Tube Dysfunction**
Supported by the Panamerican Association of Otolaryngology-Head and Neck Surgery
MPCC, E353A
Jacqueline Alvarado, MD (Moderator); J. Pablo Stolovitzky, MD

**Remote Access Head and Neck Surgery: Asian's Perspectives**
MPCC, N134
Phil-Sang Chung, MD, PhD (Moderator); Yoon Woo Koh, MD, PhD; Kyung Tae, MD, PhD; Kwang Yoon Jung, MD, PhD; Byung-Joo Lee, MD, PhD

4:45 pm - 5:45 pm

MINISEMINARS

**AAO-HNSF Clinical Practice Guideline (Update): Hoarseness (Dysphonia)**
Supported by the Guideline Task Force
MPCC, N230
Robert J. Stachler, MD (Moderator); David O. Francis, MD, MS; Seth R. Schwartz, MD, MPH; Peak Woo, MD

**Alternatives to Upper Airway Surgery for Obstructive Sleep Apnea**
Supported by the Sleep Disorders Committee
MPCC, N227A
Eric J. Kezirian, MD, MPH (Moderator); Nico de Vries, MD, PhD; Olivier M. Vanderveken, MD, PhD; Katherine K. Green, MD, MS; David Kent, MD

**Healthcare System Reform: Getting Involved in Leadership**
supported by the American Academy of Otolaryngology Head and Neck Surgery
MPCC, N128
Michael Stewart, MD, MPH (Moderator); Douglas Girod, MD; Scott Stringer, MD; Marion Couch, MD, PhD, MBA; Michael Glenn, MD

**Modern Techniques to Stabilize the Lateral Nasal Wall**
MPCC, N136
Douglas Sidle, MD (Moderator); Ivan Wayne, MD; Giancarlo Zuliani, MD
4:45 pm – 5:45 pm

**SCIENTIFIC ORAL PRESENTATIONS**  
**HEAD AND NECK SURGERY**  
Moderators: Eben Rosenthal, MD; Samir S. Khariwala, MD MS  
MPCC, N135

### 4:45 pm  
**Metformin Disrupts Metabolic Coupling in Xenograft Model**  
Patrick Tassone, MD; Marina Domingo Vidal; Diana Whitaker-Menezes; Megan Roche; Ubaldo Martinez-Outschoorn, MD; Joseph Curry, MD

### 4:51 pm  
**Cigarette Smoke Drives Metabolic Coupling, Cancer Growth**  
Patrick Tassone, MD; Marina Domingo Vidal; Diana Whitaker-Menezes; Megan Roche; Ubaldo Martinez-Outschoorn, MD; Joseph Curry, MD

### 4:57 pm  
**Immunoresponse by Oncolytic Virus Suppresses Metastasis**  
Yuya Tanaka, MD; Koji Araki, MD, PhD; Shingo Tanaka, MD; Yasuji Ueda, PhD; Makoto Inoue, PhD; Akihiro Shiotani, MD, PhD

### 5:03 pm  
**Optical Imaging Agents for Head and Neck Cancer**  
Andrew Prince; Lindsay Moore, MD; Kiranya E. Tipirneni, MBBS; Tushar Ramesh; Eben Rosenthal, MD; Jason Warram, PhD

### 5:09 pm  
**Single-cell RNA Sequencing Reveals a Metastasis Program in Head and Neck Squamous Cell Carcinoma**  
Sidhorth V. Puram, MD, PhD; Itay Tirosh, PhD; Anurag Parikh, MD; Aviv Regev, PhD, MSc; Derrick T. Lin, MD; Bradley Bernstein, MD, PhD

### 5:15 pm  
**Carcinoembryonic-Antigen-Related Cell Adhesion Molecule 1 Inhibits Natural Killer Cell Cytotoxicity in Head and Neck Squamous Cell Carcinoma**  
Kenric Tam; Yunqin Lee, PhD; David Schoppy, MD, PhD; John Sunwoo, MD

### 5:21 pm  
**A Novel Approach to Spinal Accessory Nerve Identification**  
Michael James Eastwood, MSc; Ajith P. George, MBBCCh, FRCS

### 5:27 pm  
**Characterization of Epidermal Growth Factor Receptor Kinetics for Therapy in Head and Neck Squamous Cell Carcinoma**  
Kiranya E. Tipirneni, MBBS; Eben Rosenthal, MD; Benjamin B. Kasten, PhD; Stephanie L. Bevans; Denzel A. Cole, MD; Jason Warram, PhD

### 5:33 pm  
**Oncolytic Sendai Virus Therapy for Head and Neck Cancer**  
Shingo Tanaka, MD; Koji Araki, MD, PhD; Taku Yamashita, MD, PhD; Yuya Tanaka, MD; Yasuji Ueda, PhD; Akihiro Shiotani, MD, PhD
4:45 pm Preoperative Genetic Testing and Cochlear Implant Outcomes
Eliot Shearer, MD, PhD; Viral Tejani, AuD; Carolyn Brown, PhD, AuD; Paul Abbas, PhD; Marlan Hansen, MD; Bruce J. Gantz, MD; Richard Smith, MD

4:51 pm Results of the BAI300 Implant: A Prospective 7-year Study
Riccardo D’Eredita, MD

4:57 pm Cochlear Implantation through the Middle Fossa Approach
Juan Carlos Cisneros Lesser, MD, PhD; Rubens Vuono de Brito Neto, MD, PhD; Graziela de Souza Queiroz Martins, MD, PhD; Eloisa Maria Mello Santiago Gebrim, MD, PhD; Ricardo F. Bento, MD, PhD

5:03 pm Speech Perception Gap in Patients Qualifying for CI
Zechariah Franks, MPH; Saranya Reghunathan, MD; Abraham Jacob, MD

5:09 pm Revision Surgery after Cochlear Implantation in Adults
Shawn M. Stevens, MD; Hayden Dougherty; Lisa Houston, AuD; Theresa Hammer, AuD; Myles Pensak, MD; Ravi N. Samy, MD

5:15 pm Cochlear Implant Outcomes after Meningitic Hearing Loss
Christopher M. Welch, MD, PhD; Lisa Park, AuD; Kevin D. Brown, MD, PhD

5:21 pm Do Virtual Reality Temporal Bone Simulators Work?
Justin T. Lui, MD; Monica Hoy, MD

WITHDRAWN

5:27 pm Complications of the Bone-Anchored Cochlear Stimulator
Esther Cheng, MD; Sam J. Marzo, MD; Dennis Moore, MD

5:33 pm The Utility of Preoperative Imaging for CI in the Elderly
Eytan Keidar, DO; Brent Wilkerson, MD; Seilesh Babu, MD

5:39 pm Initial Results with HiRes90K Advantage Cochlear Implant
Alexander Malone, MD; Christopher Danner; MD; Kyle Allen, MD, MPH; Loren J. Bartels, MD; Michelle Blanchard, AuD
4:45 pm – 5:45 pm

**SCIENTIFIC ORAL PRESENTATIONS**

**RHINOLOGY/ALLERGY**

Moderators: David B. Conley, MD; Stella Lee, MD

**MPCC, N137**

4:45 pm **Distinguishing Molecular Features of CRS Subtypes**  
Matthew A. Tyler, MD; Caroline Padro-Dietz, PhD; Chris B. Russell, PhD; Martin Citardi, MD; Shervin Assassi, MD, MS; Samer Fakhri, MD; Amber Luong, MD, PhD

4:51 pm **Risk Factors for CSF Leaks in Endoscopic Pituitary Surgery**  
Priyesh N. Patel, MD; Alicia M. Stafford; James R. Patrinely; Derek Smith, PhD, DDS; Justin Turner, MD, PhD; Paul Russell, MD; Rick Chandra, MD

4:57 pm **Post-Operative Implications of Obstructive Sleep Apnea in Skull Base Patients**  
Phillip Huyett, MD; Ryan Soose, MD; Amy Schell, MD; Paul Gardner, MD; Juan Fernandez-Miranda, MD; Carl H. Snyderman, MD, MBA; Eric W. Wang, MD

5:03 pm **Procalcitonin in Rhinosinusitis: A Systematic Review**  
Amanda E. Dilger, MD; Stephanie Shintani Smith, MD, MS

5:09 pm **Hanging Drop Cell Cultures as a Model for Chronic Sinusitis**  
Ahmed Al-Sayed, MBBS

5:15 pm **Incidence of Antileukotriene Medication Adverse Events**  
Nelson May; Christopher Ito, MD; Thomas Holmes; Colin Fuller, MD; Stilianos E. Kountakis, MD

5:21 pm **Angioedema Education in Otolaryngology Residencies**  
Vijay A. Patel, MD; Laila M. Siddique; Lauren E. Stahl; Michele M. Carr, MD, PhD, DDS

5:27 pm **Signal Transduction Variants in Chronic Rhinosinusitis**  
Benjamin Addicks, MD; Scott B. Shapiro, MD; David P. Siderovski, PhD
Reg-ent is an otolaryngology-specific clinical data registry focused on quality improvement and patient outcomes. Data is a critical component in today’s ever-changing healthcare environment. Reg-ent harnesses the power of data to guide the best ENT care.

Stop by the Reg-ent booth and join Reg-ent today!

Experience the ENT clinical data registry at the Reg-ent booth. MPCC, Lakeside Level 3, E354
MONDAY SEPTEMBER 11
DAY-AT-A-GLANCE

OTOs on the Run 5K
6:00 am - 7:30 am

Education Sessions
7:30 am - 8:30 am

Education Sessions
8:45 am - 9:45 am

OTO Experience
9:30 am - 5:00 pm

Eugene N. Myers, MD International Lecture on Head and Neck Cancer, Committee Meetings, and Meet the Scientific Poster Authors
10:00 am - 11:00 am

Education Sessions
11:15 am - 12:15 pm

Women in Otolaryngology Section (WIO) General Assembly
11:30 am - 1:30 pm

Complimentary Coffee Break in the OTO Experience
10:00 am - 11:00 am, sponsored by: Arbor Pharmaceuticals LLC

Complimentary Lunch with the Exhibitors
12:15 pm - 1:15 pm

Education Sessions
1:15 pm - 2:15 pm

H. Bryan Neel III, MD, PhD Distinguished Research Lecture, Committee Meetings, and Meet the Scientific Poster Authors
2:30 PM - 4:30 PM

Young Physicians Section (YPS) General Assembly
2:30 pm - 3:30 pm

International Advisory Board (IAB) General Assembly
2:30 pm - 3:15 pm (by invitation only);
3:15 pm - 5:00 pm (open to all international attendees)

Education Sessions
3:45 pm - 5:45 pm

Simulation Reception and Showcase
5:00 pm - 6:30 pm

Board of Governors (BOG) General Assembly
5:00 pm - 7:00 pm

Career Fair
6:00 pm - 8:00 pm

Diversity and Inclusion Committee Reception
6:30 pm - 8:00 pm
<table>
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<tr>
<th>Track Color Code</th>
<th>Presentation Formats</th>
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<tbody>
<tr>
<td>BMP</td>
<td>Business of Medicine/Practice Management</td>
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<td>ES</td>
<td>Endocrine Surgery</td>
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<td>FPRS</td>
<td>Facial Plastic and Reconstructive Surgery</td>
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<td>GO</td>
<td>General Otolaryngology</td>
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<td>HNS</td>
<td>Head and Neck Surgery</td>
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<td>LBE</td>
<td>Laryngology/Broncho-Esophagology</td>
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<td>MOC</td>
<td>Maintenance of Certification</td>
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<td>ON</td>
<td>Otolaryngology/Neurotology</td>
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<tr>
<td>PSQI</td>
<td>Patient Safety and Quality Improvement</td>
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<td>PED</td>
<td>Pediatric Otolaryngology</td>
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<td>RA</td>
<td>Rhinology/Allergy</td>
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<td>SM</td>
<td>Sleep Medicine</td>
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### INTERNATIONAL SYMPOSIA

**7:30 am - 8:20 am**

**Obesity and Otorhinolaryngology**

MPCC, E353A  
Mohammed A. Gomaa, MD (Moderator); Rafeek Abdel Kader, MD; Ahmed Abdel Rahman, MD

### INSTRUCTION COURSES

**7:30 am - 8:30 am**

**Awake Vocal Fold Injection in the Office: When, Why, How**

MPCC, N230  
Lucian Sulica, MD

**Concussion: What the Otolaryngologist Needs to Know**

MPCC, N226  
Michael E. Hoffer, MD; Ben Balough, MD
<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>MONDAY</td>
<td>Contemporary Management of Laryngomalacia and Its Variant's</td>
<td>Dana M. Thompson, MD; Gresham T. Richter, MD</td>
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<td></td>
<td>Endoscopic Endonasal Sella Approach: Tips and Tricks</td>
<td>Sarah K. Wise, MD, MS; Zara M. Patel, MD</td>
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<td>Evidenced-Based Approach to Oropharynx Cancer, 2017</td>
<td>Neil D. Gross, MD; Chris Holsinger, MD</td>
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<td>Improving Outcomes in Septal Surgery</td>
<td>Grant Gillman, MD</td>
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<td>Management of Pulsatile Tinnitus</td>
<td>Paul R. Lambert, MD</td>
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<td>Management of Radiation Effects on the Ear and Temporal Bone</td>
<td>Paul W. Gidley, MD</td>
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<td>Mastering the Parapharyngeal Space</td>
<td>James L. Netterville, MD; Alexander Langerman, MD, MS</td>
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<td>Molecular Marker Testing of Thyroid Nodules 2017</td>
<td>Ralph P. Tufano, MD, MBA; Robert L. Ferris, MD, PhD</td>
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<td>Neurologic and Neurodegenerative Diseases of the Larynx</td>
<td>Philip Weissbrod, MD; David O. Francis, MD</td>
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<td>Office-Based Ultrasonography of the Neck</td>
<td>Hans Welkoborsky, MD, PhD, DDS; Lisa A. Orloff, MD</td>
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<td>Powered Endoscopic Dacryocystorhinostomy</td>
<td>Peter J. Wormald, MD, PhD, MBBS; Salil Nair, MD, MBBS</td>
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<td>Scar Wars: Treating the Elusive Scar</td>
<td>David B. Hom, MD; J. Regan Thomas, MD</td>
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<td>Techniques in Cartilage Tympanoplasty</td>
<td>John L. Dornhofer, MD; Schwager Konrad, MD; Aaron Trinidad, MD</td>
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<td>Using M&amp;M Conference to Promote Quality Improvement</td>
<td>Brian Nussenbaum, MD; Rahul Shah, MBA</td>
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7:30 am - 8:30 am

MINISEMINARS

MONDAY

Advanced Concepts in Nasal Airway Surgery  
MPCC, E351  
Abtin Tabae, MD (Moderator); Michael Stewart, MD, MPH; Dean M. Toriumi, MD; Stephen Park, MD

After Residency: Finding the Right Job in Private Practice  
MPCC, N231  
Todd Blum, MBA (Moderator); Kevin Watson, MHA; Robin L. Wagner, MBA

Electronic Health Record: Thriving and Improving Workflow  
MPCC, N128  
Robert J. Stachler, MD (Moderator); David Eibling, MD; Matthew M. Smith, MD; Joshua Greene, MD; Michael D. Seidman, MD

Genetic Testing 101 for the Otolaryngologist  
MPCC, E450A  
Andrew G. Shuman, MD (Moderator); Alfred A. Simental, MD; Luke Schloegel, MD

Getting Published 2017: Staying on the Cutting Edge  
MPCC, N134  
John H. Krouse, MD, PhD, MBA (Moderator); Cecelia E. Schmalbach, MD, MSc; Collin B. Grabarek, MFA; Lauren Schroeder

Kids Today: Rapid Review of Guidelines and Consensus  
MPCC, N229  
Debra G. Weinberger, MD (Moderator); David E. Tunkel, MD; David H. Darrow, MD; Jennifer J. Shin, MD, MS

Otogenic Pain and Aural Fullness 2017  
MPCC, E451A  
Alan G. Micco, MD (Moderator); Elizabeth Toh, MD, MBA; Simon I. Angeli, MD; Sarah Mowry, MD

Strategies to Manage Chemo- and XRT-Associated Dysphagia  
MPCC, E350  
Nausheen Jamal, MD (Moderator); Maggie Kuhn, MD, MS; Lisa Evangelista; Barbara Ebersole, MA, CCC-SLP; Miriam Lango, MD
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<tr>
<th>Time</th>
<th>Presentation</th>
<th>Authors</th>
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<tbody>
<tr>
<td>7:30 am</td>
<td><strong>Treatment of Acute Otitis Externa: OTO-201 Phase 3 Results</strong></td>
<td>John Ansley, MD; Carl LeBel, PhD</td>
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<tr>
<td>7:36 am</td>
<td><strong>Assessing the Internal Reliability of a Tablet Audiometer</strong></td>
<td>Mark Bastianelli, MD; Matthew Bromwich, MD, FRCS; Scott Kühler, MD</td>
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<tr>
<td>7:42 am</td>
<td><strong>Artificial Temporal Bone as a Dissection: Practice Tool</strong></td>
<td>Prashant Madhukar Naik, MBBS, MS, DLO</td>
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<td>7:48 am</td>
<td><strong>Airway Intervention in Epiglottitis: NIS verses KID Databases</strong></td>
<td>Aparna Govindan; Ashley Rodgers, MS; Christine Mathew, MS; Kristen Echanique; Evelyne Kalyoussef, MD</td>
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<tr>
<td>7:54 am</td>
<td><strong>Laryngeal Ossification and Ingested Foreign Bodies</strong></td>
<td>Nirmal Muthukumarasamy, MBBS, MS; Vyas M. N. Prasad, MBBCh, MSc, FRCS; Rebecca Heywood, MBBCh, FRCS</td>
</tr>
<tr>
<td>8:00 am</td>
<td><strong>Clinical Utility of Mobile Phone Recorded Laryngoscopy</strong></td>
<td>Theresa Waltina Schwanke, MD; Sarah Keesecker, MD; Abtin Tabaee, MD</td>
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<tr>
<td>8:06 am</td>
<td><strong>Pharmacotherapy for ACE Inhibitor-Induced Angioedema</strong></td>
<td>Claire M. Lawlor, MD; Ashwin Ananth, MD, MBA; Blair Barton, MD; Thomas Flowers, MS; Edward D. McCoul, MD, MPH</td>
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<tr>
<td>8:12 am</td>
<td><strong>Inhalational Injury and the Larynx: A Review</strong></td>
<td>Jennifer F. Ha, MBBS, FRACS</td>
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<td>8:24 am</td>
<td><strong>Opioids in Otolaryngologist: An Ambulatory Assessment</strong></td>
<td>Suresh Mohan, MD; Neil Bhattacharyya, MD</td>
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### 7:30 am - 8:30 am

#### SCIENTIFIC ORAL PRESENTATIONS

**RHINOLOGY/ALLERGY**

Moderator: Charles Ebert, MD, MPH

MPCC, N137

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<tr>
<th>Time</th>
<th>Title</th>
<th>Speakers</th>
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<tr>
<td>7:30 am</td>
<td>Asthma, Control and Chronic Rhinosinusitis Severity</td>
<td>David M. Poetker, MD; Adam P. Campbell, MD; Katie Phillips, MD; Lloyd Hoehle, MD; Robert Andre Gaudin, MD; David S. Caradonna, MD; Stacey T. Gray, MD; Ahmad Sedaghat, MD, PhD</td>
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<tr>
<td>7:36 am</td>
<td>Bioabsorbable Steroid Eluting Sinus Dressing: WITHDRAWN</td>
<td>Wytske J. Fokkens, PhD; Gwijde Adriaensen, MD; Keng-Hua Lim, MD, MBBS</td>
</tr>
<tr>
<td>7:42 am</td>
<td>Airway Resistance in Chronic Rhinosinusitis</td>
<td>So Watanabe, MD, PhD; Yasuyuki Hinohira, MD, PhD; Yoshiyuki Kyo, MD, PhD; Ruby Pawankar, MD, PhD</td>
</tr>
<tr>
<td>7:48 am</td>
<td>Endoscopic Approaches to the Craniovertebral Junction</td>
<td>Qasim Husain, MD; Ibrahim Hassan, MD; Vijay Anand, MD, MBBS; Roger Hartl, MD; Jeffrey Greenfield, MD, PhD; Theodore Schwartz, MD; Ashutosh Kacker, MBBS</td>
</tr>
<tr>
<td>7:54 am</td>
<td>EDS-FLU: New Approach to Maximizing Medical Therapy in CRS</td>
<td>Claire Hopkins, MD, FRCS; John Messina, PharmD; Jennifer Carothers, MBA; Per Djupesland, MD, PhD; Ramy A. Mahmoud, MD, MPH</td>
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<tr>
<td>8:00 am</td>
<td>Cigarette Smoke Exposure and CRS: A Systematic Review</td>
<td>Dallin Christensen; Hilary C. McCrary, MPH; Zechariah Franks, MPH; Ahlom Saleh, MD; Eugene Chang, MD</td>
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<tr>
<td>8:06 am</td>
<td>Landmarks in Endonasal Endoscopic Orbital Surgery</td>
<td>Sonam Dodhia; David A. Gudis, MD</td>
</tr>
<tr>
<td>8:12 am</td>
<td>The Difficult Airway after Endoscopic Endonasal Surgery</td>
<td>Courtney T. Chou, MD; Carl H. Snyderman, MD</td>
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MONDAY

8:45 am - 9:35 am
INTERNATIONAL SYMPOSIA

Global Otolaryngology 2017: Your Academy Around the World
Support by the Korean Society of Otolaryngology, French Society of Otorhinolaryngology, Chinese Academy of Otolaryngology-Head and Neck Surgery, the Mexican Society of Otolaryngology and Head and Neck Surgery, and the Mexican Federation of Otolaryngology and Head and Neck Surgery
MPCC, E353A
James E. Saunders, MD (Moderator); Hwan-Jung Roh, MD, PhD; Luo Zhang, MD, PhD; Javier M. Dilbidox, MD; Bernard Fraysse, MD

8:45 am - 9:45 am
INSTRUCTION COURSES

BPPV: The One’s That Don’t Get Well
MPCC, E451B
Mans Magnusson, MD, PhD

Clinical Fundamentals: Anesthesia Related Topics
MPCC, N140
Murali Sivarajan, MD

Common Errors in Management of Voice Disorders
MPCC, N230
Peak Woo, MD

CRS New Knowledge of Pathophysiology and Impact on Treatment
MPCC, E353C
David W. Kennedy, MD; Elina Toskala, MD, PhD, MBA

Endoscopic Tympanoplasty: Medial and Lateral Techniques
MPCC, N129
Brandon Isaacson, MD; Joe W. Kutz, MD

How to Review a Journal Manuscript
MPCC, N134
John H. Krouse, MD, PhD, MBA; Cecelia E. Schmalbach, MD, MSc

Improved Management of Hypocalcemia after Thyroidectomy
MPCC, N227B
Pieter Noordzij, MD; Miriam O’Leary, MD

Management of Chronically Infected Sinusitis Patients
MPCC, N137
Peter J. Wormald, MD, FRACS FCS (SA) FRCS MBChB; Alkis Psaltis, PhD, MBBS, FRACS

Management of Cutaneous Melanoma of the Head and Neck
MPCC, N135
Dennis H. Kraus, MD
Management of Pediatric Obstructive Sleep Apnea Post T&A
MPCC, N227A
Ron Mitchell, MD; Stacey L. Ishman, MD, MPH

Office Laryngeal Procedures for the Generalist
MPCC, E350
Michael Pitman, MD; Adam Rubin, MD

Pediatric Sensorineural Hearing Loss Update 2017
MPCC, N228
Albert H. Park, MD; John Germiller, MD, PhD

The Nasal Valve Primer: Everything You Need to Know
MPCC, E351
Grant Gillman, MD

Vestibular Migraine: New Concepts and Treatments
MPCC, E451A
Stephen Wetmore, MD, MBA; Adam Cassis, MD

Virtual Care and the Otolaryngologist
MPCC, N128
Lamont R. Jones, MD, MBA; Ilaaf Darrat, MD

What’s Next? Managing Complications in FESS
MPCC, E352
R. Peter Manes, MD; Bradley F. Marple, MD
MINISEMINARS

A Video Review of Critical Maneuvers in Thyroid Surgery
Support by the Endocrine Surgery Committee
MPCC, E353B
Michael C. Singer, MD (Moderator); Mark Zafereo, MD; Claudia R. Cernea, MD, PhD; Maisie Shindo, MD; David J. Terris, MD; Richard J. Wong, MD

Scary Cases 2017
MPCC, E450A
Michael P. Platt, MD, MS (Moderator); Joseph Paydarfar, MD; Richard O. Wein, MD; Lindsay Sobin, MD; John Romanow, MD; Steven Parnes, MD

Contemporary Management of Pediatric and Adult Laryngotracheal Stenosis
Supported by the Airway and Swallowing Committee
MPCC, N139
Alexander T. Hillel, MD (Moderator); Christopher T. Wootten, MD; Alexander Gelbard, MD; Karen Zur, MD

Controversies in Management of Pediatric Ankyloglossia
Supported by the Pediatric Otolaryngology Education Committee
MPCC, N229
Cristina Baldassari, MD (Moderator); Anna K. Meyer, MD; Shanna Harris, MS, RN; Jeffrey P. Simons, MD; Brian Martin, MBA, DDS

Hearing Loss in Older Adults: A Public Health Imperative
Supported by the Hearing Committee and the Geriatric Otolaryngology Committee
MPCC, N226
Richard K. Gurgel, MD (Moderator); Frank Lin, MD, PhD; Carrie L. Nieman, MD, MPH; Natasha Pollak, MD

How to Write a Business Plan
MPCC, N231
Brian J. McKinnon, MD, MBA, MPH (Moderator); Selena E. Heman-Ackah, MD; Ken Kazahaya, MD, MBA; Charles A. Hughes, MD, MBA, MPH

MRI Basics: What Every Otolaryngologist Needs to Know
Supported by the Skull Base Surgery Committee and Head and Neck Surgery & Oncology Committee
MPCC, N138
John C. Goddard, MD (Moderator); Ivan El Sayed, MD; Ted McRackan, MD, MSCR; Sunshine M. Dwojak, MD
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<tr>
<th>Time</th>
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<th>Presenters</th>
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<tr>
<td>8:45 am</td>
<td>Nasal Septal Perforations: Is It Really All About Size?</td>
<td>Scott J. Schwartz, MD; Gileno Fonseca Filho, MD; Brian Downs, MD</td>
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<tr>
<td>8:51 am</td>
<td>Telerobotic Microsurgery Using Silicon Vessel Model</td>
<td>Steven Hong, MD; Ryan Orosco, MD; Michael Yip, PhD</td>
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<tr>
<td>8:57 am</td>
<td>Bilayered Forehead-Pericranial Flap for Eyelid Defects</td>
<td>Fred Baik, MD; Shu-Hong Chang, MD; Kris Moe, MD</td>
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<td>9:03 am</td>
<td>Perioperative Free Flap Outcomes, Low verses High-risk ASA</td>
<td>Luke T. Small, MD; Emre Vural, MD; Mauricio Moreno-Vera, MD</td>
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<td>9:09 am</td>
<td>Trends in the Treatment of Facial Nerve Paralysis</td>
<td>Tom Shokri, MD; Robert Saadi, MD; Sakeena J. Payne, MD; Jessyka G. Lighthall, MD</td>
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<td>9:15 am</td>
<td>Systematic Review: Anticoagulation &amp; Free Flap Surgery</td>
<td>Blair Barton, MD; Charles A. Riley, MD; John Fitzpatrick, MS; Christian Hasney, MD; Brian A. Moore, MD; Edward D. McCoul, MD, MPH</td>
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<tr>
<td>9:21 am</td>
<td>Flap Monitoring Outcomes Using the Venous Flow-Coupler</td>
<td>Luke T. Small, MD; Julianna Bonilla Velez, MD; Emre Vural, MD; Mauricio Moreno-Vera, MD</td>
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<tr>
<td>9:27 am</td>
<td>Effect of Insurance Status on Head and Neck Free Flaps</td>
<td>Amy Bansal, MD; Kristen Echanique; Soly Baredes, MD; Richard Chan Woo Park, MD</td>
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<tr>
<td>9:33 am</td>
<td>Obesity and Orocutaneous Fistula Healing: A Rat Model</td>
<td>Zachary C. Fridrici, MD; Amy Pittman, MD; Eileen Foekeling, PhD; Jane Schumacher; Eric Thorpe, MD; Matthew R. Bartindale, MD; Samantha E. Bialek</td>
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</tbody>
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### DAILY SCHEDULE

**10:00 am - 11:00 am**

**HONORARY GUEST LECTURE**

**Eugene N. Myers, MD**

International Lecture on Head and Neck Cancer

*MPCC, E450A*

*Javier Gavilán, MD*

---

**11:15 am - 12:05 pm**

**INTERNATIONAL SYMPOSIA**

**Supratracheal Laryngectomy: Indications and Outcomes**

Supported by the Brazilian Society of Head and Neck Surgery

*MPCC, E353A*

*Eugene Myers, MD (Moderator); Giovanni Succo, MD; Fernando Luiz Dias, MD, PhD; Claudia R. Cernea, MD, PhD; Fernando Walder, MD; Giuseppe Spriano, MD*

---

**11:15 am - 12:15 pm**

**INSTRUCTION COURSES**

**Adding Laryngeal Reinnervation to Your Practice**

*MPCC, N139*

*Joel H. Blumin, MD*

**Another Five Landmarks to Make You a Better Sinus Surgeon**

*MPCC, E353C*

*Ralph B. Metson, MD*

**A Guide to Pediatric Vestibular and Balance Disorders**

*MPCC, E451B*

*Sharon L. Cushing, MD; Robert C. O’Reilly, MD*

**Contemporary Management of Chronic Suppurative OM in Kids**

*MPCC, N228*

*Diego A. Preciado, MD, PhD*

**Diagnosis and Management of Facial and Head Pain**

*MPCC, N138*

*James Y. Suen, MD; Chelsey J. Smith, MD*
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<tr>
<td>E&amp;M Coding and Documentation for Proper Reimbursement</td>
<td><strong>MPCC, N128</strong></td>
<td><strong>BMP</strong></td>
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<td>Managing Hemangiomas: Medical, Laser, and Surgical Therapy</td>
<td><strong>MPCC, N229</strong></td>
<td><strong>PED</strong></td>
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<td>Management of Pediatric Aerodigestive Foreign Bodies</td>
<td><strong>MPCC, N133</strong></td>
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<td>Medical Management of Thyroid Disease for Otolaryngologist</td>
<td><strong>MPCC, N227B</strong></td>
<td><strong>HNS</strong></td>
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<td>Pediatric Obstructive Sleep Apnea: An Evidence-Based Approach</td>
<td><strong>MPCC, N227A</strong></td>
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<td>Pulsatile Tinnitus: Advances in Diagnosis and Management</td>
<td><strong>MPCC, E451A</strong></td>
<td><strong>ON</strong></td>
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<td>Reconstruction of Partial Nasal Defects</td>
<td><strong>MPCC, N136</strong></td>
<td><strong>FPRS</strong></td>
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<td>Sialendoscopy: Getting Started, Solving Problems</td>
<td><strong>MPCC, N140</strong></td>
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<td>Technique to Simplify Myringoplasty</td>
<td><strong>MPCC, N129</strong></td>
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DAILY SCHEDULE

11:15 am – 12:15 pm

MINISEMINARS

**Difficult Cough Cases: A Neurogenic Approach to Management**
MPCC, E350
Robert J. Stachler, MD (Moderator); Kenneth W. Altman, MD, PhD; Pieter Noordzij, MD; Seth Cohen, MD, MPH

** Blow-by-Blow: Asthma in the Otolaryngologist's Office**
Supported by the Allergy, Asthma, and Immunology Committee
MPCC, E450A
Sarah K. Wise, MD, MS (Moderator); James Mims, MD; Cecelia Damask, DO; Elina Toskola, MD, PhD, MBA

**Chronic Sinusitis: What To Do When Everything Fails**
MPCC, E352
Edward D. McCoul, MD, MPH (Moderator); Roy R. Casiano, MD; Peter Hwang, MD; Abtin Tabaee, MD

**Clinical and Genetic Research on Chinese Patients of Head and Neck Paraganglioma**
MPCC, N134
Zhiqiang Gao, MD (Moderator); Hua Yang, MD

**Innovative Uses of Non-Physician Practitioners**
MPCC, N231
Kristine McGriff, MHA (Moderator); G. Lee Bryant, MD; Kandice Bowman, MS; Charles W. Ford, MD; Robin L. Wagner, MBA

**No Lesion, No Paralysis: Why Are You Dysphonic?**
MPCC, N230
Blake Simpson, MD (Moderator); Clark A. Rosen, MD; Mark Courey, MD; Michael Johns, MD

**Vexing Premalignant Lesions**
Supported by the Head & Neck Surgery and Oncology Committee
MPCC, E353B
Jeffrey C. Liu, MD (Moderator); Joseph Califano, MD; Mark William Lingen, PhD, DDS
MONDAY

11:15 am – 12:15 pm

SCIENTIFIC ORAL PRESENTATIONS

GENERAL OTOLARYNGOLOGY

Moderators: Dole Baker, MD; Maureen Harriman, MD

MPCC, E351

11:15 am Virtual Reality in Anatomy Education: A Systematic Review
Joshua R. Zeiger, BA; Caitlin W. Pacheco; Anthony Del Signore, MD; Satish Govindaraj, MD; Katelyn Stepan, MD; Alfred Marc Calo Illoreta, MD

11:21 am A Pilot Study to Access Mobile Technology in E-Learning
Li-Ang Lee, MD; Hsueh-Yu Li, MD

11:27 am Semi-Automated Objective Surgical Skills Assessment
Vivek V. Kanumuri, MD; Bishop Ameen; Elliott D. Kozin, MD; Osama Tarabichi, MD; Ruwan Kiringoda, MD; Stacey T. Gray, MD; Daniel J. Lee, MD

11:33 am Mobile App Questions Improve Resident OTE Performance
Jacob E. Kuperstock, MD; Michal Horný, MSc; Michael P. Platt, MD, MS

11:39 am Comparing Residency Rank List with Psychometric Testing
Christine DeMason, MD; Kelly Scriver, MD; Sonya Malekzadeh, MD; Michael Reilly, MD

11:45 am R101: Initiative to Encourage Quality Resident Research
Kathryn E. Marshall, PhD; Tanisha Hammill, PhD, MPH

11:51 am Predicting Successful Otolaryngology Applicants
Cinzia Marchica, MD, MSc; Leticia Khendek; Navid Zahedi Niaki; Lily H. P. Nguyen, MD, MSc, FRCS

11:57 am Case Logging Practices in Otolaryngology Training
Sarah Dermody; William Gao, MD; Johnathan McGinn, MD; Sonya Malekzadeh, MD

12:03 pm Enhancing Feedback and Development in Otolaryngology
Nina W. Zhao, MD; Patricia O’Sullivan, EdD; Emily Huang, MD

12:09 pm National Trends in PGY-1 Curriculum after ACGME Changes
Kevin J. Kovatch, MD; Rebecca S. Harvey, MD; Mark E. P. Prince, MD; Marc C. Thorne, MD

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## DAILY SCHEDULE

### MONDAY

#### 11:15 am – 12:15 pm

**SCIENTIFIC ORAL PRESENTATIONS**

**RHINOLOGY/ALLERGY**
Moderators: Do-Yeon Cho, MD; Christine Franzese, MD

**MPCC, N137**

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<th>Time</th>
<th>Presentation</th>
<th>Authors</th>
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<tr>
<td>11:15 am</td>
<td>Meta-analysis of Surgical Outcomes of CRS with Polyps</td>
<td>Phong Le, MD; Rabun H. Jones; Jose Mattos, MD; Rodney Schlosser, MD; Zachary Soler, MD</td>
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<tr>
<td>11:21 am</td>
<td>Accuracy of EPOS2012 for Diagnosing Bacterial Sinusitis</td>
<td>Kachorn Seresirikachorn, MD; Kornkiat Snidvongs, PhD; Songklot Aeumjaturapat, MD; Wirach Chitsuthipakorn, MD</td>
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<td>11:27 am</td>
<td>Sinopsys Lacrimal Stent for Treatment of CRS</td>
<td>Peter Michael Baptista, MD, PhD; Miguel Furtado, MD</td>
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<td>11:33 am</td>
<td>Office Inferior Turbinate Cautery: Technique and Results</td>
<td>Elie Edmond Rebeiz, MD</td>
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<tr>
<td>11:39 am</td>
<td>Outcome for Endoscopic verses Open Surgery of Sinunasal Cancer</td>
<td>Jan H. Hagemann, MD; Jana Roesner; Christian Betz, MD</td>
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<td>11:45 am</td>
<td>Inferior Turbinate Swing for Maxillary Sinus Pathology</td>
<td>Yong Gi Jung, MD</td>
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<td>11:51 am</td>
<td>Immunohistochemical Analysis of Esthesioneuroblastoma</td>
<td>Yaw Tachie-Baffour; Brian Lin, PhD; Derrick T. Lin, MD; Stacey T. Gray, MD; James Schwob, MD; PhD; Eric Holbrook, MD, MS</td>
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#### 12:15 pm - 1:15 pm

**LUNCH WITH THE EXPERTS**

MPCC, Hall D, Booth 2500

- **Facial Plastic:** Fred G. Fedok, MD
- **Facial Plastic Surgery:** Russell W. H. Kridel, MD
- **Head and Neck Cancer:** D. Gregory Farwell, MD
- **Head and Neck Cancer:** Jonas T. Johnson, MD
- **Head and Neck Cancer:** Terry A. Day, MD
- **Head and Neck Surgery:** Jeffrey N. Myers, MD, PhD
- **Minimally Invasive Endocrine Surgery:** Michael Singer, MD
- **Otology:** Michael J. Ruckenstein, MD, MSC
- **Preventing Endocrine Complications:** Maisie L. Shindo, MD
- **Thyroid Surgery:** Brendan C. Stack, MD
MONDAY

1:15 pm - 2:05 pm

INTERNATIONAL SYMPOSIA

Developing a Sustainable Medical Outreach Program
MPCC, E353A
Chad A. Zender, MD (Moderator); James L. Netterville, MD; Johan Fagan, MD; Jeff Martin Otiti, MD; Mark E. Zafereo, Jr., MD

1:15 pm - 2:15 pm

MASTERS OF SURGERY
VIDEO PRESENTATIONS
Moderator: Kara Meister, MD
MPCC, N226

1:15 pm Managing Lateral Wall Weakness in Nasal Obstruction
Dean M. Toriumi, MD

1:25 pm The Many Faces of the Anterolateral Thigh Free Flap
P. Daniel Knott, MD; Rahul Seth, MD; Chase Heaton, MD

1:35 pm FN Surgical Approaches: From MCF to Endoscopic Approach
Davide Soloperto, MD; Daniele Marchioni, MD

1:45 pm Endoscopic Orbital Decompression
Kara Meister, MD; Eric W. Wang, MD

1:55 pm Transoral Flex Robotic Supraglottic Laryngectomy
Umamaheswar Duvvuri, MD, PhD; Michael Persky, MD

2:05 pm Flex Robotic-Assisted Branchial Cleft Excision
Meghan T. Turner, MD; Umamaheswar Duvvuri, MD, PhD
MINISEMINARS

**Advanced Endoscopic Skull Base Reconstruction**
MPCC, E352
Marc R. Rosen, MD (Moderator); Ricardo L. Carrau, MD; Roy R. Casiano, MD; Abtin Tabaee, MD

**Hearing Loss: What’s Hiding in Plain Sight?**
MPCC, N129
Anil K. Lalwani, MD (Moderator); Sumitrajit Dhar, PhD; Sharon G. Kujawa, PhD; Pamela Souza, PhD

**Vocal Fold Leukoplakia: Cases, Controversy, and Management**
Supported by the Laryngology and Bronchoesophagology Education Committee
MPCC, E350
Lee M. Akst, MD (Moderator); Kenneth W. Altman, MD, PhD; Matthew Broadhurst, MD; Vyas M. N. Prasad, MBBCh, MSc, FRCS

**Top ENT Business Strategies**
MPCC, N231
Todd Blum, MBA (Moderator); Kristine McGriff, MHA; Kevin Watson, MHA; Tricia Long

INSTRUCTION COURSES

**Adult verses Pediatric Open Laryngotracheal Surgery**
MPCC, N228
Diego A. Preciado, MD, PhD

**Chronic Rhinosinusitis in Children**
MPCC, N229
Fuad M. Baroody, MD; Hassan Ramadan, MD, MS

**Clinical Fundamentals: Treatment of Anaphylaxis**
MPCC, E450A
John H. Krouse, MD, PhD, MBA

**Complications of Thyroid Surgery**
MPCC, N135
Ashok R. Shaha, MD

**Diagnosis and Management of Sinonasal Papillomas**
MPCC, N137
Marilene B. Wang, MD; Jivianne Lee, MD; Jeffrey Suh, MD

**Demystifying Paradoxical Vocal Fold Motion**
MPCC, N230
Julina Ongkasuwan, MD; Katherine C. Yung, MD
Laser Surgery for Early Glottic Cancer
MPCC, N227B
Andrew J. McWhorter, MD; Carsten Palme, MBBS

Laser Surgery for Glottic Laryngeal Carcinoma
MPCC, N134
Jugao Fang, MD

Management of the Recurrent Laryngeal Lesion
MPCC, E351
C. Blake Simpson, MD; Laura M. Dominguez, MD

Managing the (Un)known Primary Cancer Patient:
Role of HPV
MPCC, E353B
Umamaheswar Duvvuri, MD, PhD; Eduardo Mendez, MD, MPH

Meniere or Migraine: Likes, Differences, and Treatments
MPCC, N138
Jack J. Wazen, MD; Herbert Silverstein, MD, MS

Non-Surgical Therapy for Obstructive Sleep Apnea
MPCC, N227A
Noah S. Siegel, MD; Lee M. Shangold, MD

Orbital Trauma: Comprehensive Diagnosis and Treatment
MPCC, N136
E. Bradley Strong, MD

Pediatric Non-Medullary Thyroid Nodules and Cancer
MPCC, N140
Ken Kazahaya, MD, MBA; Andrew Bauer, MD

Prevention and Management of Complications in Ear Surgery
MPCC, N133
Patrick J. Antonelli, MD, MS; Rex S. Haberman, MD

Surgical Management of Eustachian Tube Dysfunction
MPCC, E451A
Dennis Poe, MD, PhD

Tips and Tricks to Avoid Complications in Sinus Surgery
MPCC, E353C
Zara M. Patel, MD; Stacey T. Gray, MD
Vestibular and Cochlear Ototoxicity of Topical Agents
MPCC, E451B
Ronen Perez, MD; Jean-Yves Sichel, MD

1:15 pm - 2:15 pm

SCIENTIFIC ORAL PRESENTATIONS
BUSINESS OF MEDICINE/PRACTICE MANAGEMENT
Moderators: Kathleen Yaremchuk, MD; Richard Waguespack, MD
MPCC, N128

1:15 pm  
FDA Clearance of Medical Devices via the 510 (k) Process
Vinay K. Rathi, MD; Shekhar Gadkaree, MD; Elliott D. Kozin, MD; Matthew R. Naunheim, MD, MBA; Rosh K. Sethi, MD, MPH; Stacey T. Gray, MD

1:21 pm  
Departments in Transition: A New Paradigm for Progress
Jennifer A. Villwock, MD; Chelsea S. Hamill, MD; Kevin J. Sykes, PhD, MPH; Alexander G. Chiu, MD

1:27 pm  
Otolaryngology Resident Preparedness for Fellowship
Cristina Cabrera-Muffly, MD; Julie A. Highland

1:33 pm  
Safety and Efficacy of Outpatient Parotidectomy
Andrea M. Ziegler, MD; Eric Thorpe, MD

1:39 pm  
Cost Savings in Telehealth for Pediatric Voice Therapy

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MONDAY

1:15 pm - 2:15 pm

SCIENTIFIC ORAL PRESENTATIONS
LARYNGOLOGY/BRONCHO-ESOPHAGOLOGY
Moderators: Richard K. McHugh, MD, PhD; David E. Rosow, MD
MPCC, N139

1:15 pm The Laryngoscopy Force Sensor: A Biomechanical Analysis
Allen L. Feng, MD; Phillip C. Song, MD

1:21 pm Development of a Novel Computerized Acoustic Assessment
Vyas M. N. Prasad, MBBCh, MSc, FRCS; Thomas Drugman, PhD; Myriam Rijkaert; Claire Janssens; Georges Lawson, MD, PhD; Marc Remacle, MD, PhD

1:27 pm Steering Sheath for Two Nostril Transnasal Laryngoscopy
Henry Hoffman, MD; Helen R. Stegall, RN; Troy Wingler; Andrew Blitzer, MD, DDS

1:33 pm Innovative Laser Control in Transoral Laser Microsurgery
Luca Guastini, MD; Leonardo de Mattos, PhD; Nikhil Deshpande, PhD; Andrea Laborai, MD; Francesco Mora, MD, PhD; Giorgio Peretti, MD

1:39 pm Dynamic Voice CT Prior to Reconstructive Voice Surgery
Mathieu Bergeron, MD, FRCS; Caleb Middlebrock; Robert Fleck, MD; Stephanie Zacharias, PhD; Liren Oren, PhD; Alessandro De Alarcon, MD, MPH

1:45 pm Endoscopic Visualization for Tracheoesophageal Prosthesis Tract Sizing
Lisa Evangelista; Ahmed Bayoumi, MBBCh; Nogah Nativ, PhD; Maggie Kuhn, MD, MS; Peter Belafsky, MD, PhD, MPH

1:51 pm The Postproton-Pump Inhibitors Era
Anais Rameau, MD; Ahmed Bayoumi, MBBCh; Matthew Kaufman; Peter Belafsky, MD, PhD, MPH

1:57 pm Plication Technique for Treating Zenker’s Diverticulum
Harry H. Ching, MD; Alycia G. Spinner, MD; Robert C. Wang, MD

2:03 pm Gastroesophageal Reflux Disease: Indian Scenario
Pramod Chirakkal, MS, MD
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<td>2:09 pm</td>
<td>Dysphagia Etiology at a Tertiary Referral Center</td>
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<td>Mark A. Fritz, MD; Zachary A. Zimmerman, MD;</td>
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<td>Stephanie Stalker; Lauren D. Enloe, MS; Stephanie E. Reyes;</td>
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<td>Gregory N. Postma, MD</td>
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<td>2:30 pm</td>
<td>HONORARY GUEST LECTURE</td>
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<td>H. Bryan Neel III, MD, PhD, Distinguished Research Lecture</td>
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<td>Thomas H. Lee, MD, MSc</td>
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<td>3:45 pm</td>
<td>INTERNATIONAL SYMPOSIA</td>
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<td>Robotic Surgery in Otolaryngology: The Asian Perspective</td>
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<td>Sheng-Po Hao, MD (Moderator); Yoon Woo Koh, MD, PhD; Se-Heon Kim, MD,</td>
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<td>PhD; Chen-Chi Wang, MD; Chwee Ming Lim, MD</td>
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<td>3:45 pm</td>
<td>INSTRUCTION COURSES</td>
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<td>Decision-Making in Laryngology: Both Sides of the Story</td>
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<td>Clark A. Rosen, MD; Mark Courey, MD</td>
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<td>Managing Chronic Rhinosinusitis with Office Procedures</td>
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<td>Amber Luong, MD, PhD; Raj Sindwani, MD; Martin Citardi, MD;</td>
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<td>Rick Chandra, MD</td>
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<td>Management of Vestibular Schwannoma: Pearls and Pitfalls</td>
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<td>Colin L. Driscoll, MD; Matthew L. Carlson, MD; Michael J. Link, MD;</td>
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<td>Brian Neff, MD</td>
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<td>The Ten Minute Exam of the Dizzy Patient</td>
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<td>Joel A. Goebel, MD</td>
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<td>Chronic Ear Disease: Surgical Decisions and Techniques</td>
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<td>David S. Haynes, MD; George Wanna, MD; Alejandro Rivas, MD</td>
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MONDAY

Career Burnout: Identification and Strategies to Minimize
MPCC, N128
Julie L. Wei, MD; Douglas Girod, MD

Heal Thyself: Preventing and Relieving Burnout
MPCC, N231
Amy M. Williams, PhD; Tamer Ghanem, MD, PhD

Evaluation and Management of Superior Canal Dehiscence
MPCC, N129
Daniel J. Lee, MD

Medicolegal Issues for ENTs: Top Ten Concerns
MPCC, N133
Winston C. Vaughan, MD; Ankit Patel, MD; Thomas Still, JD

3:45 pm - 5:45 pm

INSTRUCTION COURSES

Cleft Lip and Palate Surgery for Residents
MPCC, N226
Tom D. Wang, MD; Jeffrey Markey, MD

Facial Plastic Surgery Certification/Recertification Review Course
MPCC, N136
Randall Jordan, MD; John J. Chi, MD; Krishna Patel, MD, PhD

Laryngology/Broncho-Esophagology Recertification/Certification Review Course
MPCC, N139
Catherine Lintzenich, MD; Ronda Alexander; Priya Krishna, MD, MS

Pediatric Open Airway Surgery: State-of-the-Art
MPCC, N228
Michael J. Rutter, MD, FRACS; Alessandro De Alarcon, MD, MPH; Catherine Hart, MD

Rhinology and Allergy Recertification Review Course
MPCC, N137
Stacey T. Gray, MD

Ultrasonography Techniques for the ORL Office
MPCC, N132
Urban W. Geisthoff, MD; Jens E. Meyer, MD, PhD; Lisa A. Orloff, MD; Hans Welkoborsky, MD, PhD, DDS

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MINISEMINAR
Central Neck Dissection for Thyroid Cancer
MPCC, N227B
Ralph P. Tufano, MD, MBA (Moderator); David L. Steward, MD

MINISEMINARS
Ask the Experts: An Endoscopic Potpourri
MPCC, E352
David W. Kennedy, MD (Moderator); Peter John Wormald, MD, PhD, MBBS; James Palmer, MD; Elina Toskala, MD, PhD, MBA; Eugenia Vining, MD

Controversies in Parotid Surgery: Is There Evidence?
Supported by the Outcomes Research and Evidence-Based Medicine Committee and Head and Neck Surgery & Oncology Committee
MPCC, E353B
Samir S. Khariwala, MD (Moderator); Carol R. Bradford, MD; Bevan Yueh, MD, MPH; Derrick T. Lin, MD; Michael Moore, MD

Migraine Disorders: Balance and Rhinosinusitis
MPCC, N138
Frederick Godley, MD (Moderator); Mark Mehle, MD; Jacob R. Brodsky, MD; Steven D. Rauch, MD; John Carey, MD

Personalized Treatment of Obstructive Sleep Apnea
MPCC, N227A
Ofer Jacobowitz, MD, PhD (Moderator); Edward M. Weaver, MD, MPH; Lee M. Shangold, MD

Quiet Down! What Noise is Actually Doing to Us
MPCC, N140
Sujana S. Chandrasekhar, MD (Moderator); S. Benjamin Kanters; Nancy M. Young, MD; Konstantina M. Stankovic, MD, PhD

Unified Airway: Surgical Management in the Older Patient
Supported by the Geriatric Otolaryngology Committee, General Otolaryngology Education Committee, and the Airway and Swallowing Committee
MPCC, E351
Ozlem E. Tulunay-Ugur, MD (Moderator); Stacey L. Ishman, MD, MPH; Minka Schofield, MD; Jeffrey Stanley, MD

Selective Laryngeal Reinnervation for Bilateral Vocal Cord Paralysis
MPCC, N230
Hongliang Zheng; Donghui Chen
3:45 pm - 5:45 pm

SCIENTIFIC ORAL PRESENTATIONS
HEAD AND NECK SURGERY
Moderators: Lance Manning, MD; Brendan C. Stack, MD
MPCC, N135

3:45 pm  Preoperative Immunonutrition in Head and Neck Cancer
Roland Giger, MD; Carlo Aeberhard; Cathrine Mayer; Simone Meyer; Simon Andreas Mueller, MD; Philipp Schuetz, MD; Zeno Stanga, MD

3:51 pm  Aspirin Use and Survival in Head and Neck Cancer Patients
Catherine Lumley, MD; Hind Rafei, MD; Chihun J. Han; Thomas M. Koffenerger; Jessica Maxwell, MD

3:57 pm  APOBEC Mutations in Head and Neck Cancer
Daniel Faden, MD; Sean Thomas, PhD; Joseph DeRisi, PhD

4:03 pm  A Modified Surgical Apgar Score for Head and Neck Cancer
Kristine Day, MD; Andrew Prince; Chee Paul Lin; Benjamin Greene, MD; William Carroll, MD

4:09 pm  Improved Survival in National Cancer Database for Head and Neck Sarcoma at Academic Sites
Richard B. Cannon, MD; Dustin Boothe, MD; Luke Buchmann, MD; Jason Hunt, MD; Shane Lloyd, MD; Ying Hitchcock, MD; Marcus Monroe, MD

4:15 pm  Preoperative Labs Predict Head and Neck Resection Complications
Nicholas B. Abt, MD; Rosh K. Sethi, MD, MPH; Sidharth V. Puram, MD, PhD; Mark A. Varvares, MD

4:21 pm  Head and Neck Cancer Readmissions Based on Discharge Site
Monica Azmy; Dominick Congiusta, MPH; Kajal Shah; Jean Anderson Eloy, MD; Soly Baredes, MD; Richard Chan Woo Park, MD

4:27 pm  Supratracheal Laryngectomy: A Multi-institutional Study
Ariana Martins Garcia; Fernando Luiz Dias, MD, PhD; Antônio Gonçalves; Claudia R. Cernea, MD, PhD; Emílson Freitas, MD

4:33 pm  Long-Term Trends in Head and Neck Surgery Outcomes
Alia Mowery; Tyler Light; Daniel R. Clayburgh, MD, PhD

4:39 pm  Palliative Care in the Outpatient Setting
Jonas R. Miller, MS; Suzanne E. Smart, MD; Mindy Patteson, RN; Mary Raven, MD; Anna Pou, MD
4:45 pm  Evolving Phenotype of the Head and Neck Surgeon  
Seth Kay, MD; David J. Terris, MD; Robert Miller, MD, MBA; Christopher Leto, MD  

4:51 pm  Novel Induction Chemo/Surgery Trial for Head and Neck Squamous Cell Carcinoma: Outcomes  
Trevor Hackman, MD; Samip N. Patel, MD; Allison Deal, MS; Mark Weissler, MD; Bhishamjit S. Chera, MD; Jose Zevallos, MD, MPH; Jared Weiss, MD  

4:57 pm  Resident Tracheostomies: Learning from Diverse Cases  
Michael Ross Kaufman, MD; Kristan Alfonso, MD; Rony K. Aouad, MD  

5:03 pm  Guidelines Adherence in Early Stage Head and Neck Cancer  
Mihir Bhayani, MD; Gaurav S. Ajmani, MHS; Cheryl Nocon, MD  

5:09 pm  Microbiota and Mucositis During Head and Neck Radiotherapy  
Orly M. Coblens, MD; Joshua Earl, MS; Garth D. Ehrlich, PhD; Noam A. Cohen, MD, PhD; John Nicholas Lukens, MD; Jason G. Newman, MD  

5:15 pm  The Surgical Apgar Score in Noncutaneous Head and Neck Squamous Cell Carcinoma  
Andrew Prince; Kristine Day, MD; Chee Paul Lin; Benjamin Greene, MD; William Carroll, MD  

5:21 pm  Head and Neck Cancer Disparities, Critical Barriers, and Intervention Targets  
Monika E. Freiser, MD, MPH; Jordan Baeker Bispo, MPH; Michelle Caunca; Elizabeth Franzmann, MD; Thomas Mangione, PhD; W. Jarrard Goodwin, MD  

5:27 pm  Awake Tracheostomies: A Single Institution Experience  
Michael Ross Kaufman, MD; Kristan Alfonso, MD; Rony K. Aouad, MD  

5:33 pm  Screening EGD During PEG Tube Placement for Head and Neck Cancer  
Mitchell R. Dobberpuhl, MD; Joseph Valentino, MD; Thomas Gal, MD, MPH; Rooshil Patel  

5:39 pm  Outcomes of Advanced Nodal Disease of the Head and Neck  
Eric Lee, MD; Dylan F. Roden, MD; Binhuan Wang, PhD; Kenneth Hu, MD; Mark Persky, MD; Mark DeLacure, MD; Babak Givi, MD
3:45 pm - 5:45 pm

SCIENTIFIC ORAL PRESENTATIONS

PEDIATRIC OTOLARYNGOLOGY
Moderators: Frank Virgin, MD; Charles Elmaraghy, MD
MPCC, N229

3:45 pm  WatchPAT in the Diagnosis of Pediatric Obstructive Sleep Apnea
Archwin Tanphaichitr, MD; Arathaya Thianboonsong, MD; Wish Banhiran, MD; Kitirat Ungkanont, MD; Vannipa Vathanophas, MD

3:51 pm  Sytematic Review: Surgery in Pediatric Acute Mastoiditis
Brandon S. Hopkins, MD; Seth R. Schwartz, MD, MPH; Stacey L. Ishman, MD, MPH; Samantha Anne, MD, MS

3:57 pm  Early Otorrhea in Randomized Controlled Trials Comparing Cipro Drops to Saline
Gabriel Gabaroin, MD, MS; Rachaël C. Baird; Megan V. Morisada; Samantha Anne, MD, MS; Brandon S. Hopkins, MD

4:03 pm  Lateral Semicircular Canal Function in Children with Cochlear Implant
Nader Merhej Nassif, MD; Cristiano Balzonelli, MD; Luca Oscar Redaelli de Zinis, MD

4:09 pm  Pathogenesis of Obstructive Sleep Apnea in Children
Tulia Mateus, MSc; Lea-Ann Kirkham, PhD, MSc; Harvey Coates, MD, PhD, MSc; Shyan Vijayasekaran, MD, MS, FRACS; Peter Richmond, MD, PhD, MSc; Ruth Thornton, PhD

4:15 pm  Murine Model of Pediatric Obstructive Sleep Apnea and Circadian Dysregulation
Douglas C. von Allmen, MD; Lauren J. Francey, MSc; Robert E. Schmidt; John B. Hogenesch, PhD; David F. Smith, MD, PhD

4:21 pm  Tonsil and Adenoid Size not Linked to Tobacco Exposure
Christine M. Clark, MD; Sarah Benich; Michele M. Carr, MD, PhD, DDS

4:27 pm  Functional Impact of Unilateral Hearing Loss in Youth
Patricia L. Purcell, MD, MPH; Meghan Wisneski, AuD; Todd C. Edwards, PhD; Henry Ou, MD; Dylan K. Chan, MD, PhD; Kathleen C. Sie, MD

4:33 pm  Quantitative Optical Ranging Pneumatic Otoscopy
Jungeun Won; Guillermo L. Monroy, MS; Pin-Chieh Huang, MS; Ryan L. Shelton, PhD; Malcolm C. Hill, MD; Stephen A. Boppart, MD, PhD
4:39 pm  
**Children with Obstructive Sleep Apnea and Tonsillectomy: Intra-op Morphine**
Yuti Desai; Scott Chung; Robert T. Swanson; Uma R. Parekh, MBBS; Michele M. Carr, MD, PhD, DDS

4:45 pm  
**Sequelae of Tympanostomy Tube Placement**
Reema K. Padia, MD; Prem Narayanan, MS; Wendy Gott, MS; Jeremy D. Meier, MD

4:51 pm  
**Reducing Paediatric Post Tonsillectomy Pain**
Edward Chisholm, MD, MBBS, FRCS; Sophie Mella, MBBS; Fenella Shelton, MBBS; Hiro Ishii, MBBS; Dylan Chew, MBBS; Jemma Winterbottom, MBBS

4:57 pm  
**PCV13 Impact on Otologic Surgeries: Resident Experience**
Sarah Dermody; Jaeil Ahn, PhD; Sonya Malekzadeh, MD; Earl H. Harley, MD

5:03 pm  
**Endoscopic verses Microscopic Myringoplasty in Children**
Riccardo D’Eredita, MD

5:09 pm  
**Permeatal-TEES for Congenital Cholesteatoma in Children**
Riccardo D’Eredita, MD

5:15 pm  
**Socioeconomic Status and Pediatric Hearing Loss Outcomes**
Blake R. Smith, MD; Jessica J. Zhang; Nikhila P. Raol, MD, MPH; Julina Ongkasuwan, MD; Samantha Anne, MD, MS

5:21 pm  
**Ibuprofen: Post-tonsillectomy Bleeds in Older Children**
Robert T. Swanson; Michele M. Carr, MD, PhD, DDS

5:27 pm  
**Impact of Deductibles on Parental Decision Making**
Phayvanh P. Sjogren, MD; Jeremy D. Meier, MD

5:33 pm  
**Medical Therapy of Acute Mastoiditis: A Systematic Review**
Samantha Anne, MD, MS; Seth R. Schwartz, MD, MPH; Stacey L. Ishman, MD, MPH; Brandon S. Hopkins, MD

5:39 pm  
**Epidemiological Trends in Preterm Infants with Apnea**
Elliot Regenbogen, MD; Shouling Zhang, MD

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**INTERNATIONAL SYMPOSIA**

**BPPV: Diagnostic Challenges and Treatment Options**
MPCC, E353A
Augusto Pietro Cosani, MD (Moderator); Daniele Nuti, MD; Giacinto Asprella Libonati, MD, PhD
5:00 pm - 6:00 pm

INSTRUCTION COURSES

Basic Biostatistics for ENT Clinicians: What You Must Know
MPCC, E350
Diego A. Preciado, MD, PhD

Nerve Monitoring: Education, Set-Up, and Troubleshooting
MPCC, N231
David M. Kaylie, MD, MS; Brendan C. Stack, MD; Jennifer L. Mow, MD; Paul W. Gidley, MD

Mechanism of Effects on True Vocal Folds (TVFs) Vibration of Laryngeal Structures in Glottal Incompetence (GI)
MPCC, N230
Peiyun Zhuang, MS

Parathyroid Surgery: What Head and Neck Surgeons Must Know
MPCC, N227B
David J. Terris, MD; Gregory W. Randolph, MD

MONDAY

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ENT CLINICAL DATA REGISTRY

Experience the ENT clinical data registry at the Reg-ent booth.
MPCC, Lakeside Level 3, E354
The Centralized Otolaryngology Research Efforts (CORE) grants program plays a critical role in advancing the field of otolaryngology by providing support to research projects, research training, and career development.

**CORE aims to:**
- unify the research application and review process for the specialty;
- encourage young investigators to pursue research in otolaryngology; and
- serve as an interim step that may ultimately channel efforts for important NIH funding opportunities.

This year the CORE Study Section reviewed 161 applications requesting 2.7 million dollars in research funding.

[www.entnet.org/CORE](http://www.entnet.org/CORE)

**THE 2017 CORE STUDY SECTION SUBCOMMITTEES INCLUDED:**

- **Head and Neck Surgery**
  Chaired by Cherie-Ann O. Nathan, MD

- **Otology**
  Chaired by Oliver Adunka, MD

- **General Otolaryngology**
  Chaired by Rodney J. Schlosser, MD
  Michael J. Brenner, MD (chair-elect)
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NEW THIS YEAR!

There will be ONE timeframe to submit:

- Instruction Course
- International Symposium
- Masters of Surgery Video Presentations
- Miniseminar
- Scientific Oral/Poster Abstracts

The submission site will open Monday, November 20, 2017 and close Wednesday, January 17, 2018, 11:59 pm ET.

SAVE THE DATE
The issue of physician wellness is of great significance in medicine today. The American Academy of Otolaryngology—Head and Neck Surgery is out in front of these issues and has formed an initiative encompassing both wellness and future practices, which are inextricably linked.

The importance of physician wellness will be highlighted through the following sessions:

- John Conley, MD Lecture on Medical Ethics: Getting to Wellness
- The Academy Cares for YOU: Confronting Burnout Together
- Career Burnout: Identification and Strategies to Minimize
- Heal Thyself: Preventing and Relieving Burnout
- Remorse to Recourse: Surgeon Response to Medical Errors
TUESDAY
SEPTEMBER 12

DAY-AT-A-GLANCE

Education Sessions
7:30 am - 9:30 am

Section for Residents and Fellows-in-Training (SRF)
General Assembly
7:30 am - 9:30 am

OTO Experience
9:30 am - 3:30 pm

Complimentary Coffee Break in the OTO Experience
9:45 am - 10:45 am, sponsored by: Arbor Pharmaceuticals LLC

Cotton-Fitton Endowed Lecture in Pediatric Otolaryngology,
Committee Meetings, and Meet the Scientific Poster Authors
9:45 am - 10:45 am

Education Sessions
11:00 am – 12:00 pm

Complimentary Lunch with the Exhibitors
12:00 pm – 1:00 pm

Education Sessions
1:00 pm – 2:00 pm

John Conley, MD Lecture on Medical Ethics,
Committee Meetings, and Meet the Scientific Poster Authors
2:15 pm – 3:15 pm

Education Sessions
3:30 pm – 5:30 pm

Alumni Receptions
6:30 pm – 8:00 pm

International Reception (by invitation only)
8:00 pm - 10:00 pm
TUESDAY

7:30 am - 8:20 am

INTERNATIONAL SYMPOSIA

Cochlear Implant: The Asia Oceania Perspective
MPCC, E353A
Barrie Yau Boon Tan, MBBS (Moderator); Charlotte Chiong, MD, PhD; Seung-Ha Oh, MD, PhD; Chung-Feng Hwang, MD; Masafumi Sakagami, MD, PhD

7:30 am - 8:30 am

INSTRUCTION COURSES

Laryngeal Surgery for General Otolaryngologist: Pearls and Pitfalls
MPCC, N230
Lee M. Akst, MD; Michael Pitman, MD

Vocal Fold Injection: Fact, Fiction, and Material Selection
MPCC, E350
Clark A. Rosen, MD

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DAILY SCHEDULE

**7:30 am - 8:30 am**

**MINISEMINAR**

**Advances in Nasal Valve Surgery**

Supported by the Facial Plastic and Reconstructive Surgery Education Committee

MPCC, N136

Edmund Pribitkin, MD, MBA (Moderator); Tang Ho, MD, MSc; Scott Roofe, MD; Jewel D. Greywoode, MD

**7:30 am - 9:30 am**

**INSTRUCTION COURSES**

**Board of Governors Hot Topics: Practical Solutions to Conquer the Quality Quagmire**

Supported by the BOG Executive Committee

MPCC, N231

Ken Yanagisawa, MD; Denis Lafreniere, MD; Lawrence M. Simon, MD; Matthew C. Katz, MS; David R. Edelstein, MD

**Cochlear Implantation and Electrode Insertion Workshop (non-CME)**

MPCC, N132

Craig A. Buchman, MD; Colin L. Driscoll, MD; Oliver Adunka, MD; Bruce J. Gantz, MD

**Drug-Induced Sleep Endoscopy in Obstructive Sleep Apnea**

MPCC, N227A

Eric J. Kezirian, MD, MPH; Nico de Vries, MD, PhD; Winfried Hohenhorst, MD

**Endoscopic Orbital Surgery: Basic to Advanced Techniques**

MPCC, E353C

Benjamin Saul Bleier, MD; Raymond Sacks, MD, MBBS

**Innovations in Laryngeal Surgery**

MPCC, E451B

Steven M. Zeitels, MD

**Migraine Management for the Otolaryngologist**

MPCC, N226

Michael T. Teixido, MD; John Carey, MD

**Medical and Surgical Strategies for Refractory Sinusitis**

MPCC, N137

Pete Batra, MD; Donald C. Lanza, MD, MS; Samer Fakhri, MD
Otology Recertification/Certification Review Course  
MPCC, N134  
Maura K. Cosetti, MD; Alan G. Micco, MD; Marc Logan Bennett, MD; James Crawford, MD

Pediatric Endoscopic Airway Surgery: State-of-the-Art  
MPCC, N228  
Michael J. Rutter, MD, FRACS; Alessandro De Alarcon, MD, MPH; Catherine Hart, MD

The Actor and Singer as Patients of the Laryngologist  
MPCC, N139  
Robert T. Sataloff, MD; Michael S. Benninger, MD; William Riley, MD; Albert L. Merati, MD

7:30 am - 9:30 am

MINISEMINARS

Are You Up to Date? Key Otolaryngology  
Systematic Reviews  
Supported by the General Otolaryngology Education Committee, and Outcomes Research and Evidence-Based Medicine Committee  
MPCC, E351  
Stacey L. Ishman, MD, MPH (Moderator); Cristina Cabrera-Muffly, MD; Greg E. Davis, MD, MPH; Megan L. Durr, MD; Stephanie Misono, MD

Big Data and Your Reimbursement Update  
MPCC, N128  
KJ Lee, MD (Moderator); William R. Blythe, MD; James C. Denny III, MD; Lawrence Gordon, MD

Endoscopic Ear Surgery: Tips and Pearls  
MPCC, N129  
Joao F. Nogueira, MD (Moderator); Muaaz Tarabichi, MD; Alejandro Rivas, MD; Daniele Marchioni, MD; Daniel J. Lee, MD; Livio Presutti, MD

Head and Neck Surgery in the Elderly: How Old is Too Old?  
Supported by the Geriatric Otolaryngology Committee, Head & Neck Surgery and Oncology Committee, and Microvascular Committee  
MPCC, N227B  
Jeffrey J. Houlton, MD (Moderator); Keith Casper, MD; Christopher Fundakowski, MD; Susan McCammon, MD; Jason Rich, MD

Little Kids, Big Tumors: An Opportunity to Optimize Care  
MPCC, N229  
Daniel C. Chelius, Jr., MD (Moderator); Michael Kupferman, MD; Urjeet A. Patel, MD; Jeff C. Rastatter, MD; William C. Pederson, MD; Edward P. Buchanan, MD
Oropharyngeal Cancer and Human Papillomavirus: What’s Happening in Brazil
MPCC, E353B
Fernando Walder, MD (Moderator); Claudio R. Cernea, MD, PhD; Fernando Luiz Dias, MD, PhD; Rogerio Aparecido Dedivitis, MD, PhD; Carlos Neutzling Lehn, MD; Leandro Luongo Matos, MD, PhD

Successful Endoscopic Sinus Surgery: Technical Pearls
MPCC, E352
Devyani Lal, MD (Moderator); Roy R. Casiano, MD; Rick Chandra, MD; Brent A. Senior, MD

Sudden Hearing Loss: What Every ENT Should Know
Supported by the Otology and Neurotology Education Committee
MPCC, E451A
Lawrence R. Lustig, MD (Moderator); Cliff Megerian, MD; Daniel Zeitler, MD; David S. Haynes, MD; George Wanna, MD

Temporal Bone Radiology: Basic to Advanced
MPCC, E450A
Ashkan Monfared, MD (Moderator); Richard K. Gurgel, MD; Nikolas Blevins, MD; Bradley Kesser, MD; Debora Tucci, MD, MBA, MS; Konstantina M. Stankovic, MD, PhD; Erika Woodson, MD

The Latest (and Greatest?) Devices in Ears, Nose, and Sleep
Supported by the Outcomes Research and Evidence-Based Medicine Committee, Medical Devices and Drugs Committee, and Rhinology and Paranasal Sinus Committee
MPCC, N226
Jennifer J. Shin, MD, MS (Moderator); Dennis Poe, MD, PhD; Kenneth H. Lee, MD, PhD; Joseph Han, MD; B. Tucker Woodson, MD; Eric A. Mann, MD, PhD

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TUESDAY
7:30 am - 9:30 am

SCIENTIFIC ORAL PRESENTATIONS
HEAD AND NECK SURGERY
Moderators: Cherie-Ann Nathan, MD; Alfred A. Simental, MD
MPCC, N135

7:30 am Impact of Radiotherapy Modality in Hypopharyngeal Cancer
Suat Kilic; Sarah S. Kilic, MS; Jean Anderson Eloy, MD; Soly Baredes, MD; Richard Chan Woo Park, MD; Omar Mahmoud, MD, PhD

7:36 am Surgery after Failed Larynx Preservation for T4a Disease
Gaurav S. Ajmani, MHS; Cheryl Nocon, MD; Mihir Bhayani, MD

7:42 am Laryngeal Cancer Trends and the Affordable Care Act
Lauren Lawrence, MD; Whitney Zahnd, MS; Arun Sharma, MD, MS; Pardis Javadi, MD

7:48 am Socio-economic Status and Variation in Laryngeal Cancer Stage at Diagnosis
Diana Khalil, MD; James T. McDonald, PhD; Martin Corsten, MD; Stephanie Johnson-Obaseki, MD, MPH

7:54 am Gender Differences in Larynx Cancer Treatment & Outcomes
Hong Li; Eva Yujia Li; Alexandra E. Kejner, MD

8:00 am A Novel Device for Secondary TEP Placement
Andrew T. Tkaczuk, MD; Jeffrey S. Wolf, MD

8:06 am Surgery verses XRT for T1 glottic SCC: Second Primary Risks
Sidharth V. Puram, MD, PhD; Neil Bhattacharyya, MD

8:12 am PEG Placement in Head-Neck Cancer: A Systematic Review
Ozlem E. Tulunay-Ugur, MD; Mariah Small; Eric R. Siegel, MS; Thomas L. Sheila, MS

8:18 am Salvage Laryngectomy: Outcomes in the Chemoradiation Era
Katharine L. Ostedgaard, MD; Steven Sperry, MD

8:24 am Laser Cordectomies: Why, When, How
Monica Granda, PhD; Victoria García Peces, PhD; Ramon Gonzalez Herranz, PhD; Maria Teresa Herrera, PhD; Guillermo Plaza, MD, PhD

8:30 am The Flex Robotic System for Hypopharynx an Larynx Tumors
Stefan Mattheis, MD, PhD, MBA; Pia Hasskamp, MD; Laura Holtmann, MD; Stephan Lang, MD, PhD

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8:42 am  **Surgical Salvage after Treatment Failure in Laryngeal Carcinoma**  
Xiaoming Li

8:48 am  **Therapeutic Strategies in Locally Advanced Laryngeal Cancer in China**  
Xinxin Zhang

8:54 am  **The Combination of Radiofrequency Coblation and CO2 Laser in Transoral Surgery for Hypopharyngeal Carcinoma**  
Shuifang Xiao; Junbo Zhang, MD; Xin Zhao; Xiaotong Lu; Hong Shen; Tiancheng Li; Tiechuan Cong

9:00 am  **Transoral Surgery Using the Flex Robotic System: Initial Experience in the United States**  
Michael Persky, MD; Neerav Goyal, MD, MPH; Jennifer R. Bonfilii, RN; David Goldenberg, MD; Umamaheswar Duvvuri, MD, PhD

7:30 am - 9:30 am  
**SCIENTIFIC ORAL PRESENTATIONS**  
**HEAD AND NECK SURGERY & GENERAL OTOLARYNGOLOGY**  
Moderator: Gale Tuper, MD  
MPCC, N140

7:30 am  **Sialendoscopy for Treatment of Submandibular Abscess**  
Jennifer E. Douglas, MD; W. Walsh Thomas, MD; Alexandra E. Kejner, MD; Laurie A. Loevner, MD; Bert W. O’Malley, MD; Christopher Rassekh, MD

7:36 am  **Sialendoscopy for Duct Obstruction after SMG Excision**  
Jennifer E. Douglas, MD; W. Walsh Thomas, MD; Laurie A. Loevner, MD; Erica Thaler, MD; Ara Chalian, MD; Christopher Rassekh, MD

7:42 am  **Sialendoscopy for Sialadenitis due to Sjogren’s and RAI**  
Jennifer E. Douglas, MD; W. Walsh Thomas, MD; Christopher Rassekh, MD

7:48 am  **Comparison of In-Office and Operating Room Sialendoscopy**  
Andrew Coniglio, MD; Oam Bhate; Trevor Hackman, MD

7:54 am  **Management of Large Stensen’s Duct Sialolithiasis**  
Lewis Overton, MD; Trevor Hackman, MD

8:00 am  **Drainless Outpatient Parotidectomy: Outcomes**  
Andrew Coniglio, MD; Trevor Hackman, MD

8:06 am  **Management of Complex Stensen’s Duct Stricture**  
Lewis Overton, MD; Trevor Hackman, MD
TUESDAY

8:12 am Steroid's Effect on Tonsillectomy Post-op Complications
Michael E. Kubala, MD; Gresham T. Richter, MD; Adrian Williamson, MD

8:18 am Peritonsillar Tramadol for Tonsillectomy Analgesia
Christopher W. Metcalfe, MBCh; Katharine Davies, MBCh; Srinivasal Bathala, FRCS; Alessandro Panarese, FRCS; Arnab Banerjee

8:24 am Cryoanalgesia for Reducing Post-tonsillectomy Pain
Blake S. Raggio, MD; Maria Grant, MD; Blair Barton, MD; Edward D. McCoul, MD, MPH

8:30 am Decision Analysis of Complete verses Partial Tonsillectomy
Grace Baik, MD; Scott Brietzke, MD, MPH

8:36 am Cost Effectiveness: Floseal verses Packing for Epistaxis
Andre R. Le, MD; Kednapa Thavorn, PhD; Fatmahalzahra Banaz, PhD, MBBS; Andrea Losso, MSc; Shaun Kilty, MD, FRCS

8:42 am Evaluating the Efficacy and Trend of Sinus Surgery
Martin Hopp, MD, PhD; Masa Petrovic; Arash Shamsian, MD; Narine Vardanyan, MHA

8:48 am The Emerging Necessity of Head and Neck Expertise in War
Sungjin A. Song, MD; Michael Lustik, MS; Anthony M. Tolisano, MD; Justin M. Wei, MD; Camilo Fernandez-Salvador, MD; Macario Camacho, MD; Jared M. Theler, MD

8:54 am Screening for Nasopharyngeal and Paranasal Sinus Cancer
Michael J. Marino, MD; Mei-Chin Hsieh, PhD; Eric L. Wu, MS; Charles A. Riley, MD; Xaio-Cheng Wu, MD, MPH; Edward D. McCoul, MD, MPH

9:00 am Dose Response of Rabbit Maxillary Sinus Ciliary Beat Frequency in Lidocaine
Jeffrey T. Gu; Jason Chen; Christopher Badger; Brian Wong, MD, PhD

9:06 am The Impact of a Tracheostomy Care Improvement Programme
Maral Rouhani, MBCh; Charlotte McIntyre, MBCh; Phui Yee Wong, MBBS; Lee Carter; Antony Narula, MBCh, FRCS

9:12 am National Cost of Obesity in the Treatment of Tracheostomy
Jonathan Chiao, MD; Andrew Braith, MPH; Kevin J. Sykes, PhD, MPH; Estelle Eun Hae Chang, MD, MPH

9:18 am Tracheostomy Care by Non-Otolaryngology Providers
Lora K. Reichert, MD, MPH; Susan D. McCammon, MD

9:24 am Language and Health Disparities in Thyroid Cancer
Kevin Hur, MD; Sheng Zhou; Niels Kokot, MD
7:30 am - 9:30 am

**SCIENTIFIC ORAL PRESENTATIONS**
**OTOLOGY/NEUROTOLOGY**
Moderators: Adrien Eshraghi, MD, MS; Brian J. McKinnon, MD, MBA, MPH
MPCC, N138

7:30 am  
Transplanted Neural Progenitors Improve Hearing in Mouse  
Judith Kempfle, MD; Mingjie Tong, PhD; Ngoc-Nhi Luu, MD; Albert Edge, PhD

7:36 am  
Prevention of Chlorhexidine Ototoxicity with Poloxamer  
Carolyn O. Dirain, PhD; Taylor Vasquez; Patrick J. Antonelli, MD, MS

7:42 am  
Fibroblast Cytotoxicity of Ciprofloxacin and Steroids  
Sonny Redula, MS; Patrick J. Antonelli, MD, MS; Carolyn O. Dirain, PhD

7:48 am  
EMG Correlation with Videoendoscopy of Eustachian Tube  
Carlos Yanez, MD; Sandra Velazquez, MD

7:54 am  
Steroid-Hydrogels in Noise-Induced Hearing Loss  
Christoph Arnoldner, MD; Julia Clara Gausterer; Hanno Schöpper; Clemens H undone, MD, PhD; Michael Nieratschker; Chengjing Zhu, MD

8:00 am  
Repeated Noise Exposure Effects in Young and Old CBA Mice  
Phong Le, MD; Clarisse Panganiban, MD; Hainan Long, MD, PhD

8:06 am  
Intratympanic Steroid Injection for Bell’s Palsy  
Deniz Demir, MD; Sena Genç, MD; Mahmut Sinan Yılmaz, MD; Mehmet Guven, MD

8:12 am  
Utility of MRI in Evaluation of Sensorineural Hearing Loss  
Kenneth M. Grundfast, MD; Minhtran Charlotte Ngo-Howard, MD, PhD; J. David Wilson, MS; Jillian L. Trieff; Alexa Kozak, AuD

8:18 am  
Whispered Voice Test versus Pure Tone Audiometry  
Giselle Lazaro Gotamco, MD; Norberto V. Martinez, MD

8:24 am  
Sudden Sensorineural Hearing Loss in the DoD  
Charlotte K. Hughes, MD, MPH; Jakob Fischer; Carlos R. Esquivel, MD; Adrienne M. Laury, MD

8:36 am  
An iPhone Otoscope in the Remote Management of Patients  
Amberley Jade Munnings, MBBS; Sean Fang, MBBS; Rahul Kanegaonkar, MBBS, FRCS

8:42 am  
Asymmetric Hearing Loss in the Military: To Image or Not?  
Anthony M. Tolisano, MD; Philip D. Littlefield, MD

8:48 am  
Audiogram Screening Protocols in Vestibular Schwannoma  
Kiley Trott, MD; Thomas O. Willcox, MD; Sean Maloney
8:54 am  New Surgical Technique for Vestibular Schwannoma Removal  
Antonio Veneri, MD; Marco Carner, MD; Barbara Mosotto, MD; Davide Soloperto, MD; Livio Presutti, MD; Daniele Marchioni, MD

9:00 am  Patient Motivation in Vestibular Schwannoma Treatment  
Matthew L. Carlson, MD; Oystein Tveiten, MD; Colin L. Driscoll, MD; Christine Lohse, MS; Nicole M. Tombers, RN; Morten Lund-Johansen, MD, PhD; Michael J. Link, MD

9:06 am  Evaluation of Vestibular Schwannoma Surgery Outcomes  
Michael J. Bauschard, MD; Jonathan Hatch, MD; Shaun A. Nguyen, MD; Paul R. Lambert, MD; Ted Meyer, MD, PhD; Ted McRackan, MD, MSCR

9:12 am  Volumetric Study of Vestibular Schwannoma Growth  
Katherine A. Lees, MD; Nicole M. Tombers, RN; Colin L. Driscoll, MD; Michael J. Link, MD; Jamie J. Van Gompel, MD; Brian Neff, MD; Matthew L. Carlson, MD

9:18 am  Patient Decision-Making in Vestibular Schwannoma  
Hamid Djalilian, MD; Omid Moshtaghi; Hossein Mahboubi, MD, MPH; Chloe Krasnoff; Kasra Ziai, MD; Yaser Ghavami, MD; Harrison Lin, MD

9:24 am  The Transotic Approach for Vestibular Schwannoma  
Yin Xia, MD

8:45 am - 9:35 am  
INTERNATIONAL SYMPOSIA

Cochlear Implants: Changing Lives Across the Globe
MPCC, E353A
Muaaz Tarabichi, MD (Moderator); Sunil N. Dutt, PhD, MBBS, MS, FRCS; Susan Waltzman, PhD; Arthur M. Castilho, MD, PhD; Tasneem Harris, MBBCh, MS; James W. Loock, MD, FRCS

8:45 am - 9:45 am  
INSTRUCTION COURSES

Clinical Significance and Management of Vocal Fold Paresis  
MPCC, N230  
Peak Woo, MD; Chandra M. Ivey, MD

Reconstruction of Mandibular Defects  
MPCC, N133  
Jeremy D. Richmon, MD; Derrick T. Lin, MD
TUESDAY

8:45 am - 9:45 am

MINISEMINARS

Endocrine Surgery as a Career
Supported by the Endocrine Surgery Committee and Women in Otolaryngology Section
MPCC, E350
Ralph P. Tufano, MD, MBA (Moderator); William S. Duke, MD; Mark E. Zafereo, Jr., MD; Michael C. Singer, MD; Catherine Sinclair, MBBS, FRACS; Sarah Rohde, MD; Miriam Lango, MD; Gregory W. Randolph, MD; David W. Eisele, MD

Rhinoplasty Pearls: Three Techniques I Can’t Live Without
Supported by the Facial Plastic and Reconstructive Surgery Education Committee
MPCC, N136
Edmund Pribitkin, MD, MBA (Moderator); John J. Chi, MD; Robin Lindsay, MD; Waleed H. Ezzat, MD

9:45 am - 10:45 am

HONORARY GUEST LECTURE

Cotton-Fitton Endowed Lecture in Pediatric Otolaryngology
MPCC, E450A
Jennifer J. Shin, MD, SM

11:00 am - 11:50 am

INTERNATIONAL SYMPOSIA

New Trends in Cochlear Implantation
MPCC, E353A
Soha N. Ghossaini, MD (Moderator); Richard Miyamoto, MD, MS; Joachim M. Müller, MD, PhD; Abdulrahman Hagr, MBBS, FRCS; Adrien Eshraghi, MD, MS; David S. Haynes, MD

VIEW HIGHLIGHTS FROM THE ANNUAL MEETING ON OTO-TV!
- Through the meeting app
- Annual Meeting website
- TVs in your hotel room
- Monitors throughout the Convention Center
TUESDAY

11:00 am - 12:00 pm

INSTRUCTION COURSES

Aggressive Non-Melanoma Skin Cancer: Clinical Concepts
MPCC, N135
Brian A. Moore, MD; Matthew M. Hanasono, MD

Balance Problems in the Elderly
MPCC, N129
Stephen Wetmore, MD, MBA; David Eibling, MD; Kim Gottshall, PhD

Cholesteatoma Classification and Surgical Strategy
MPCC, E451B
Jose N. Fayad, MD; Bernard Fraysse, MD

Controversies in the Management of Thyroid Nodules
MPCC, E353B
Ashok R. Shaha, MD

Different Approaches to Different Anatomic Areas: The Current Strategies for Dealing with Inverted Papilloma of Paranasal Sinuses
MPCC, N134
Bing Zhou, MD

Ear Pain and Pressure
MPCC, E450A
William H. Slattery, MD; Erik Wilkinson

Effective Contract Negotiation: Beyond the Rate
MPCC, N231
Ron Howrigon; Todd Blum, MBA; Kevin Watson, MHA; Robin L. Wagner, MBA

Finding the Hidden Parathyroid Adenoma
MPCC, N133
Eric M. Genden, MD

Frontal Sinus Trauma Comprehensive Diagnosis and Treatment
MPCC, N136
E. Bradley Strong, MD

Management of Cholesteatoma of the Middle Ear
MPCC, E451A
Olivier Sterkers, MD, PhD; Daniele Bernardeschi, MD, PhD

Management of Zenker’s and Hypopharyngeal Diverticula
MPCC, E350
David Myssiorek, MD
**Neck Dissection Thyroid Cancer and the Guidelines**  
MPCC, N227B  
Brendan C. Stack, MD

**Pediatric Aspiration: Evaluation and Management**  
MPCC, N228  
Michael J. Rutter, MD, FRACS; Charles Myer, MD

**Sensory Neuropathic Cough: Become the Local Expert**  
MPCC, N226  
Robert W. Bastian, MD

**Sialendoscopy for Gland Preservation**  
MPCC, N140  
M. Boyd Gillespie, MD, MS; Jolie Chang, MD

**Surgical Anatomy of the Paranasal Sinuses**  
MPCC, E353C  
Brent A. Senior, MD

---

**11:00 am - 12:00 pm**  
**MASTERS OF SURGERY**  
**VIDEO PRESENTATIONS**  
Moderator: Eric Thuler, MD  
MPCC, E450B

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<tr>
<th>Time</th>
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<th>Presenters</th>
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<tbody>
<tr>
<td>11:00 am</td>
<td>Endoscopic Management of a Type IV Branchial Anomaly</td>
<td>Scott Burge, MD; Yi-Chun C. Liu, MD, MS</td>
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<tr>
<td>11:10 am</td>
<td>Endoscopic Approach to Congenital Cholesteatoma</td>
<td>Manuela Fina, MD</td>
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<td>11:20 am</td>
<td>HNS Implant Procedure and Stimulation in a Responder</td>
<td>Eric Thuler, MD</td>
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<tr>
<td>11:30 am</td>
<td>Reconstruction of Anterior Skull Base (ASB)</td>
<td>Gabriele Molteni, MD, PhD; Daniele Marchioni, MD; Andrea Sacchetto, MD; Antonio Gulino, MD</td>
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<tr>
<td>11:40 am</td>
<td>Double Meathook Incision to Close Big Septal Perforation</td>
<td>Hamid Dixon, MD, MBA</td>
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<tr>
<td>11:50 am</td>
<td>Massive Juvenile Nasopharyngeal Angiofibroma</td>
<td>David A. Gudis, MD</td>
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11:00 am - 12:00 pm

MINISEMINARS

3D Printing in Otolaryngology
MPCC, E351
Glenn E. Green, MD (Moderator); Robert J. Morrison, MD; Lee P. Smith, MD; Ayishwariya P. Menon, MSc; David A. Zopf, MD, MSc

Allergy: It’s Not Just the Nose!
Supported by the Allergy, Asthma and Immunology Committee
MPCC, N137
Christopher D. Brook, MD (Moderator); Michael P. Platt, MD, MS; Maria Veling, MD; Pieter Noordzij, MD; Charles Syms, MD

Challenges in Pediatric Cochlear Implantation
Supported by the Implantable Hearing Devices Committee
MPCC, N229
Craig A. Buchman, MD (Moderator); Patricia A. Roush, AuD; J. Thomas Roland, MD; Moises A. Arriaga, MD, MBA; Donna Sorkin, MS

Communicating Well: Preventing and Managing Conflict
Supported by the Young Physicians Section
MPCC, N128
John S. Schneider, MD (Moderator); Carol R. Bradford, MD; Ellis M. Arjmand, MD, PhD; Maie St. John, MD, PhD

Medialization Options in Unilateral Vocal Fold Paralysis
MPCC, N230
Jonathan M. Bock, MD (Moderator); David O. Francis, MD, MS; Adam Rubin, MD; Seth H. Dailey, MD; Andrew J. McWhorter, MD

Pediatric Home Sleep Apnea Testing: What’s Happening?
MPCC, N227A
Norman R. Friedman, MD (Moderator); Cristina Baldassari, MD; Scott Brietzke, MD, MPH; Katherine K. Green, MD, MS
### SCIENTIFIC ORAL PRESENTATIONS

**SLEEP MEDICINE**  
Moderator: Douglas Trask, MD, PhD  
MPCC, E352

#### TUESDAY

**11:00 am - 12:00 pm**

<table>
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<tr>
<th>Time</th>
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<th>Presenters</th>
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<tr>
<td>11:00</td>
<td>Drug-Induced Sleep Endoscopy and Surgical Outcomes</td>
<td>Katherine K. Green, MD, MS; Eric J. Kezirian, MD, MPH; David Kent, MD; Mark D’Agostino, MD; Paul T. Hoff, MD, MS; Ryan Soose, MD; Kathleen Yaremchuk, MD</td>
</tr>
<tr>
<td>11:06</td>
<td>Combined Factors in Predicting the Outcomes of OSA Surgery</td>
<td>JingYing Ye, MD; Di Zhao, MD; Yanru Li, MD; JunFang Xian, MD; Xin Cao, PhD; Yue Qu, MD</td>
</tr>
<tr>
<td>11:12</td>
<td>Outcomes of UAS: Results from a Multi-Center Registry</td>
<td>Maurits Boon, MD; Ryan Soose, MD; Erica Thaler, MD; Clemens Heiser, MD</td>
</tr>
<tr>
<td>11:18</td>
<td>Awake Endoscopy verses CT to Define Lingual Tonsil Hypertrophy</td>
<td>Michael Friedman, MD; Jessica Tang, MD; Anna M. Salapatas, MS</td>
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<tr>
<td>11:24</td>
<td>Five-Grade Vocal Cord Grading System for the Hypopharynx</td>
<td>Carlos A. Torre, MD; Soroush Zarghi, MD; Macario Camacho, MD; Robson Capasso, MD; Stanley Yung-Chuan Liu, MD</td>
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<td>11:30</td>
<td>A Patient-Generated Index to Assess QOL in OSA and CRS</td>
<td>Michael Friedman, MD; Jessica Tang, MD; Aniruddha Deka, MD; Anna M. Salapatas, MS</td>
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<tr>
<td>11:36</td>
<td>What Determines Good MMA Fracture and Fixation Patterns</td>
<td>Yu Feng Chen, DDS; Robert W. Riley, MD, DDS; Stanley Yung-Chuan Liu, MD</td>
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<td>11:42</td>
<td>Intra-Tonsillar Injection of Steroid-Nanoparticles</td>
<td>Do-Yeon Cho, MD; Joshua Kain, MD; Kristine Day, MD; Dong Jin Lim, PhD; Daniel Skinner, MS; Calvin Mackey, MS; Nick Smith, MD</td>
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<td>11:48</td>
<td>Impact of CPAP on Sexual Quality of Life</td>
<td>Edward M. Weaver, MD, MPH; Sebastian M. Jara, MD; Martin Hopp, MD, PhD</td>
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<tr>
<td>11:54</td>
<td>Impact of Persistent Pediatric OSA on Families</td>
<td>Mathieu Bergeron, MD, FRCS; Angela L. Duggins, MSc, RN; Stacey L. Ishman, MD, MPH</td>
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11:00 am - 12:00 pm

SCIENTIFIC ORAL PRESENTATIONS
OTOLOGY/NEUROTOLOGY
Moderators: David M. Kaylie, MD, MS; Daniel H. Coelho, MD
MPCC, N138

11:00 am Effectiveness of Transmastoid Plugging for SSCD Syndrome
Renee M. Banakis Hartl, MD, AuD; Stephen Cass, MD

11:06 am Lateral Temporal Bone Resection: En Bloc verses Piecemeal
Thomas J. Muelleman, MD; Daniel E. Killeen, MD;
Naweed Chowdhury, MD; Kevin J. Sykes, PhD, MPH;
Joe W. Kutz, MD; Hinrich Staecker, MD, PhD; James Lin, MD

11:12 am Middle Fossa Approach Facial Nerve Decompression for Traumatic Facial Paralysis
Yuechen Han; Zhaomin Fan; Li Li; Pengcheng Sun; Haibo Wang

11:18 am Implications of Brainstem Curvature for ABI Insertion
Vivek V. Kanumuri, MD; Maria Duarte; Osama Tarabichi, MD;
Nicolas Vachicouras, MS; Elliott D. Kozin, MD;
M. Christian Brown, PhD; Daniel J. Lee, MD

11:24 am Revision Surgery in Pediatric Auditory Brainstem Implant
Vittorio Colletti, MD; Marco Mandala, MD;
Giacomo Colletti, MD; Liliana Colletti, PhD

11:30 am A Survey on the Sunshine Act for Neurotologists
Hamid Djalilian, MD; Kasra Ziai, MD; Kimberly Vu;
Omid Moshtaghii; Hossein Mahboubi, MD, MPH;
Ronald Sahyouni; Harrison Lin, MD

11:36 am Types of Canal Dehiscence into the Superior Petrosal Sinus
Alex D. Sweeney, MD; Brendan O’Connell, MD;
Nicole M. Tombers, RN; Neil S. Patel, MD; George Wanna, MD;
Matthew L. Carlson, MD

11:42 am Repair of Spontaneous CSF Leak of the Lateral Skull Base
Galit Almosnino, MD; Daniel Zeitler, MD;
Seth R. Schwartz, MD, MPH

11:48 am Outcomes Following Superior Canal Dehiscence Repair
Galit Almosnino, MD; Daniel Zeitler, MD;
Seth R. Schwartz, MD, MPH

11:54 am Petrous Bone Cholesteatoma: Transtemporal Endoscopy or IFA Type B
Zhijiang Gao, MD; Hua Yang, MD; Guodong Feng, MD;
Qingsong Liu, MD
TUESDAY

11:00 am - 12:00 pm

SCIENTIFIC ORAL PRESENTATIONS
LARYNGOLOGY/BRONCHO-ESOPHAGOLOGY
Moderators: Alexander Gelbard, MD; James J. Daniero, MD
MPCC, N139

11:00 am  The Increasing Risk of Pneumonia after UVFP
Ming-Shao Tsai, MD; Cheng-Ming Hsu, MD

11:06 am  Vocal Fold Medialization in Dysphagia: Systematic Review
Marian W. Ghraib, MD; Alden F. Smith; Lyubov Tmanova, MS;
Naushen Jamol, MD; Michael Orestes, MD

11:12 am  Muscle-Nerve-Muscle Grafting Facial Reanimation in Rats
Bridget D. Burgess, MD; Eileen Foecking, PhD;
Steven Charous, MD; Christopher Low, MD; Samantha E. Bialek;
Zachary C. Fridirici, MD

11:18 am  Nerve-Muscle-Pedicle Flap Implantation for VF Paralysis
Tetsuji Sanuki, MD, PhD; Eiji Yumoto, MD, PhD;
Narihiro Kodama, PhD

11:24 am  Laryngoplasty and Medialization of the False Vocal Fold
David L. Young, MD; James L. Netterville, MD

11:30 am  Myoneurectomy for Abductor Spasmodic Dysphonia
Daniel Benito; Ashley P. O’Connell Ferster, MD;
Robert T. Sataloff, MD

11:36 am  Tramadol: A New Treatment Option for Chronic Cough
Sheela Saidha; Benjamin J. Rubinstein, MD; John Sinacori, MD

11:42 am  Do Neurmodulators Work for Unexplained Chronic Cough?
Andrew J. Bowen; Kevin J. Contrera, MD;
Michael S. Benninger, MD; Claudio Milstein, PhD;
Rachel M. Taliercio, DO; Paul C. Bryson, MD

11:48 am  Vocal Fold Steroid Injection for Mucus Retention Cysts
Chi-Te Wang, PhD

11:54 am  Infectious and Non-infectious Epiglottitis: Comparison
David S. Kim, MD; Matthew Ng, MD
12:00 pm - 1:00 pm

LUNCH WITH THE EXPERTS
MPCC, Hall D, Booth 2500

**Facial Plastic Surgery – Facial Nerve:** Theresa A. Hadlock, MD

**Laryngology:** Steven M. Zeitels, MD

**Laryngology:** Peak M. Woo, MD

**Otology:** Sean O. McMenomey, MD

**Otology and Neurotology – Infections:** D. Bradley Welling, MD, PhD

**Pediatric Otolaryngology:** Richard M. Rosenfeld, MD, MPH

**Pediatric Otolaryngology:** Sukgi S. Choi, MD

**Rhinology:** Stacey Gray, MD

**Robotic Surgery:** Bert W. O’Malley, MD

**Trauma:** Robert M. Kellman, MD

1:00 pm - 2:00 pm

INSTRUCTION COURSES

**A Systematic Approach to the Treatment of Nasal Fractures**
MPCC, N136
J. Gregory Staffel, MD

**Avoiding Thyroid Surgery Disaster: Five Critical Principles**
MPCC, E353B
David J. Terris, MD; William S. Duke, MD

**Defining Quality in Otolaryngology: The NSQIP Platform**
MPCC, N134
Alex J. McKinlay, MD; Robert J. Stachler, MD

**Endoscopic Ossiculoplasty**
MPCC, N138
Alejandro Rivas, MD; Brandon Isaacson, MD

**Hyperparathyroidism Pearls and Pitfalls Work-Up**
MPCC, N135
David L. Steward, MD; Maisie Shindo, MD

**Hypopharyngeal Surgery in Obstructive Sleep Apnea**
MPCC, N227A
Eric J. Kezirian, MD, MPH

**It’s Not Always Reflux: What Are We Missing!**
MPCC, E350
Michael Pitman, MD; Jonathan M. Bock, MD

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<th>Room</th>
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<th>Speaker(s)</th>
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<tr>
<td>Laryngeal Electromyograph</td>
<td>MPCC, N133</td>
<td>TUES</td>
<td>Glendon M. Gardner, MD; Steven Parnes, MD</td>
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<tr>
<td>Laryngeal Paralysis in Children</td>
<td>MPCC, N229</td>
<td>TUES</td>
<td>Marshall E. Smith, MD</td>
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<td>Management of Post-Tonsillectomy Pain in Children</td>
<td>MPCC, N140</td>
<td>TUES</td>
<td>David E. Tunkel, MD; Max April, MD</td>
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<td>Mastoid Obliteration: Techniques and Results</td>
<td>MPCC, E451B</td>
<td>TUES</td>
<td>John L. Dornhoffer, MD; Michael B. Gluth, MD</td>
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<td>Modern Mastoid Surgery: Canal Wall Reconstruction</td>
<td>MPCC, E451A</td>
<td>TUES</td>
<td>Bruce J. Gantz, MD</td>
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<td>Otosclerosis Surgery: Past, Present, and Future</td>
<td>MPCC, N129</td>
<td>TUES</td>
<td>William H. Slattery, MD</td>
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<td>Pains in the Neck: Treating Globus Pharyngeus</td>
<td>MPCC, E351</td>
<td>TUES</td>
<td>Lee M. Akst, MD; Seth H. Dailey, MD</td>
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<td>Pediatric OSA Update for 2017</td>
<td>MPCC, N228</td>
<td>TUES</td>
<td>Cristina Baldassari, MD; Stacey L. Ishman, MD, MPH</td>
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<td>Sinus Headache, Migraine, and the Otolaryngologist</td>
<td>MPCC, E352</td>
<td>TUES</td>
<td>Mark Mehle, MD</td>
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<td>Steroids in ORL: Indications, Efficacy, and Safety</td>
<td>MPCC, N230</td>
<td>TUES</td>
<td>Stacey T. Gray, MD; Eric Holbrook, MD, MD</td>
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<tr>
<td>Vocal Cord Microsurgery: Before, During, and After</td>
<td>MPCC, N139</td>
<td>TUES</td>
<td>Robert W. Bastian, MD</td>
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INTERNATIONAL SYMPOSIA

Global Impact of Academy’s Humanitarian Collaborations
MPCC, E353A
J. Pablo Stolovitzky, MD (Moderator); Edwin Thomusy Liyombo, MD, Mmed(ORL); Karen Mojica, MD; Henry Ngoitsi Nono, MBBCh

1:00 pm - 2:00 pm

MINISEMINARS

Head and Neck Imaging: The Right Tool for the Job
Supported by the Head & Neck Surgery and Oncology Committee
MPCC, N226
Sunshine M. Dwojak, MD (Moderator); Steven Wang, MD; Amy F. Juliana, MD; Michael Sim, MD

Leadership Lessons: Strategies for Success
Supported by the WIO Program Committee, and YPS Governing Council
MPCC, N128
Samantha Anne, MD, MS (Moderator); John H. Krouse, MD, PhD, MBA; Mona M. Abaza, MD, MS; Carol R. Bradford, MD; Lee Eisenberg, MD, MPH

New and Improved Treatment Options for Olfactory Loss
MPCC, E450B
Zara M. Patel, MD (Moderator); Eric Holbrook, MD, MS; Greg E. Davis, MD, MPH; Justin Turner, MD, PhD; Bradley Goldstein, MD, PhD

Otolaryngology 2020: Preparing for the Future
MPCC, N231
Kristine McGriff, MHA (Moderator); Ron Howrigon; Kevin Watson, MHA; Charles W. Ford, MD; Robin L. Wagner, MBA

The Changing ABCs of Ear Drops
MPCC, E450A
Eric Mair, MD (Moderator); Benjamin Cable, MD; Craig S. Derkay, MD; Drew M. Horlbeck, MD
1:00 pm - 2:00 pm

SCIENTIFIC ORAL PRESENTATIONS
HEAD AND NECK SURGERY
Moderators: Mark K. Wax, MD; Urjeet A. Patel, MD
MPCC, N227B

1:00 pm Elderly Swallowing Outcomes after Head and Neck Reconstruction
Mitchell Worley, MD; Evan M. Graboyes, MD; Terry A. Day, MD; Joshua Homig, MD; Judith M. Skoner, MD; Andrew Huang, MD

1:06 pm Comparison of Vascularized Laryngectomy Reconstruction
Yarah M. Haidar, MD; Edward C. Kuan, MD, MBA; Julie A. Goddard, MD; William B. Armstrong, MD; Tjoson Tjoa, MD

1:12 pm Intermediate Care Unit after Free Flap Reconstruction
Phoebe Kuo; Vinay K. Rath, MD; Rosh K. Sethi, MD, MPH; Sidharth V. Puram, MD, PhD; Derrick T. Lin, MD; Marlene L. Durand, MD; Daniel G. Deschler, MD

1:18 pm Hypothermia May Improve Outcomes in Free Flap Surgery
Benjamin M. Laitman, PhD; Yue Ma, MD; Bryan Hill, MD; Marita S. Teng, MD; Eric M. Genden, MD; Samuel Demaria, Jr., MD; Brett A. Miles, MD, DDS

1:24 pm Uncuffed Tracheostomy in Free Flap Reduces Hospital Stay
Priyesh N. Patel, MD; Daniel Hong; Al Valmadrid; Michael Sim, MD; David O. Francis, MD, MS; Sarah Rohde, MD

1:30 pm Predictors of Complications in Head and Neck Free Flaps
Antoine Eskander, MD, MSc, FRCS; Stephen Kang, MD; Matthew O. Old, MD; Enver Ozer, MD; Amit Agrawal, MD; Theodoros Teknos, MD

1:36 pm Microvascular Fellowship Learning Curve
Kate Clancy; Jason Thuener, MD; Chad A. Zender, MD

1:42 pm Taking Free Flaps Abroad: Adjusting Technique
Matthew Stewart; Patrick M. Jean Gilles, MD; Joseph Curry, MD; Patrick Tassone, MD; Donald Weed, MD; Adam Luginbuhl, MD

1:48 pm Free Flap Reconstruction verses Primary Closure in Tongue Squamous Cell Carcinoma
Gabriele Molteni, MD, PhD; Michael Ghirelli, MD; Giulia Molinari, MD; Alessandro Sassu; Maria Pia Luppi; Daniele Marchioni, MD; Livio Presutti, MD

1:54 pm Predictors of Adverse Outcomes in Free Flap Surgery
Douglas Forquhar, MD, MPH; Grace Austin, MD; April Tanner, MD; Andrew Pappas; Trevor Hackman, MD
1:00 pm - 2:00 pm

SCIENTIFIC ORAL PRESENTATIONS
RHINOLOGY/ALLERGY
Moderator: Stacey T. Gray, MD
MPCC, N137

1:00 pm Elderly Patients with CRS Have Increased Sinus Dysbiosis
Axel Eluid Renteria, MSc; Leandra Mfuna Endam, MSc; Francois Lariviere, MD, FRCS; Anastasios Maniakas, MD; Smriti Nayan, MD, FRCS; Martin Desrosiers, MD

1:06 pm Otitis Media with Effusion in Allergic Rhinitis Children
Julius Olowo Ijitolu, MBBS; Ayotunde James Fasunla, MD, MBBCh, MSc; Onyekwere George Nwaorgu, MBBS

1:12 pm Effect of 200μg/mL AMB Nasal Irrigation on Post-FESS Care
Rong-San Jiang, MD, PhD, MBA; Chih-Wen Twu, MD, PhD, MSc; Kai-Li Liang, MD, MSc

1:18 pm Predicting Causative Bacteria of Acute Rhinosinusitis
Kornkiat Snidvongs, PhD; Kachorn Seresirikachorn, MD; Songklot Aeumjaturapat, MD

1:24 pm Frozen Sectioning to Diagnose Invasive Fungal Sinusitis
Max A. Hennessy; Bartholomew White, MD; Sakeena J. Payne, MD; Josh Warrick, MD; John McGinn, MD; Henry Crist, MD

1:30 pm Unilateral Sinusitis: Postoperative Antibiotic Utility
Sonya Marcus, MD; Matthew Kingerly, MS; Richard A. Lebowitz, MD; Seth M. Lieberman, MD

1:36 pm Changing Trends of Endoscopic Sinus Surgery Over Ten Year
Moonil Park, MD; Sung Won Kim, MD, PhD

2:15 pm - 3:15 pm

HONORARY GUEST LECTURE
John Conley, MD Lecture on Medical Ethics
MPCC, E450A
Michael M. Johns III, MD

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DAILY SCHEDULE

3:30 pm - 4:20 pm

INTERNATIONAL SYMPOSIA

Challenges in Laryngology: The Asia-Oceania Perspective
MPCC, E353A
Chen-Chi Wang, MD (Moderator); Hong-Shik Choi, MD, PhD; Tetsuji Sanuki, MD, PhD; Taner Yilmaz, MD

3:30 pm - 4:30 pm

INSTRUCTION COURSES

Changing Surgeon Behavior
MPCC, N134
Charles J. Meltzer, MD

Worldwide Otolaryngology Humanitarian Missions
MPCC, N140
Drew M. Horlbeck, MD; Mark Boston, MD

3:30 pm - 4:30 pm

MINISEMINARS

The Academy Cares for YOU: Confronting Burnout Together
MPCC, E450A
Duane Taylor, MD (Moderator); Peter Vila, MD, MS; Erika Woodson, MD; Gavin Setzen, MD; James C. Denneny III, MD

Integrative Treatments for Sequelae of Chemoradiation
Supported by the Complementary/Integrative Medicine Committee and Head & Neck Surgery and Oncology Committee
MPCC, N139
Marilene B. Wang, MD (Moderator); Cherie-Ann Nathan, MD; Chau T. Nguyen, MD; Malcolm B. Taw, MD

Management of the Difficult Wound
Supported by the Microvascular Committee
MPCC, N135
Douglas B. Chepeha, MD, MS (Moderator); Samir S. Khariwala, MD; Steven Sperry, MD; Matt Spector, MD

Urgent Evaluation of the Professional Voice
Supported by the Ethics Committee
MPCC, N230
Gordon Siegel, MD (Moderator); Steven M. Zeitels, MD; Kenneth W. Altman, MD, PhD; Michael S. Benninger, MD
What Next, Space Suits!? Running a "Sterile" Office in 2017
Supported by the Patient Safety and Quality Improvement Committee
MPCC, N226
Robert J. Stachler, MD (Moderator); Nathan Gonik, MD; C. W. David Chang, MD; Benjamin D. Malkin, MD; Pamela Roehm, MD, PhD; Michael J. Brenner, MD; Emily Shuman, MD

INSTRUCTION COURSES

3:30 pm - 5:30 pm

Become an Expert in Rhinology Coding
MPCC, N128
Seth Brown, MD, MBA; Winston C. Vaughan, MD

Coding and Auditing for the Compliance Officer
MPCC, N132
Lawrence M. Simon, MD; Richard W. Waguespack, MD

Managing CSF Leaks: From Tiny to Large Defects
MPCC, E352
Amber Luong, MD, PhD; William C. Yao, MD

PEDIATRIC OSA 2017: State-of-the-Art Management
MPCC, N228
Harlan Muntz, MD; Jeremy D. Meier, MD; Jonathan Skirko, MD, MPH

MINISEMINARS

3:30 pm - 5:30 pm

All That’s Red Isn’t Reflux: Getting Smarter about Laryngopharyngeal Reflux
Supported by the Laryngology and Brochoesophagology Education Committee
MPCC, E351
Lee M. Akst, MD (Moderator); Milan Amin, MD; Jonathan M. Bock, MD; Thomas L. Carroll, MD; David O. Francis, MD, MS; Catherine Lintzenich, MD

Are General Otolaryngologists Becoming Extinct?
Supported by the General Otolaryngology Education Committee and BOG Executive Committee
MPCC, E451B
Minka Schofield, MD (Moderator); Phillip LoSavio, MD, MS; Charles Elmaraghy, MD; Ken Yanagisawa, MD; Christine Franzese, MD

Coding for Functional Procedures in Facial Plastics
Supported by the Plastic and Reconstructive Surgery Committee
MPCC, N136
Krishna Patel, MD, PhD (Moderator); Daniel Ward, MD; Robin Lindsay, MD; Donna Millay, MD; Brad Bader, MD; Sherard A. Tatum, MD; Chaz Stucken, MD
**Conductive Hearing Loss: It’s Not Always Otosclerosis**
Supported by the Otology and Neurotology Education Committee

**MPCC, N231**
Daniel Zeitler, MD (Moderator); Seilesh Babu, MD; David Chi, MD; Stephen Cass, MD; Matthew Kircher, MD

**Differing Approaches to Laryngeal Disease**
Supported by the Voice Committee

**MPCC, E350**
Nausheen Jamal, MD (Moderator); Libby Smith, DO; Katherine C. Yung, MD; Gregory R. Dion, MD, MS

**Endotypes in Chronic Sinusitis: Treatment Implications**

**MPCC, E353C**
Pete Batra, MD (Moderator); Bobby A. Tajudeen, MD; Nithin D. Adappa, MD; Mahboobeh Mahdavinia, MD, PhD; Martin Citardi, MD

**Food Allergy 2017: State of the Science**
Supported by the Allergy, Asthma, and Immunology Committee

**MPCC, N137**
William Reisacher, MD (Moderator); Cecelia Damask, DO; Maria Veling, MD

**Management of Chronic Ear Disease 2017**

**MPCC, N129**
Dennis Bojrab, MD (Moderator); Richard K. Gurgel, MD; Eric E. Smouha, MD; Joe W. Kutz, MD; Matthew L. Carlson, MD

**Perioperative Management of the Snoring and Obstructive Sleep Apnea Patient**

**MPCC, N227A**
Kenny Peter Pang, MD (Moderator); Peter Michael Baptista, MD, PhD; Claudia Vicini, MD; Filippo Montonevecchio, MD

**Principles of Expanded Endonasal Skull Base Surgery**
Supported by the Skull Base Surgery Committee

**MPCC, E353B**
Ivan El Sayed, MD (Moderator); Michael Kupferman, MD; Ehab Hanna, MD; Carl H. Snyderman, MD, MBA; Ziv A. Gil, MD, PhD; Adam Zanation, MD

**Vestibular Testing: What’s Warranted, What’s Wasteful**
Supported by the Equilibrium Committee

**MPCC, E451A**
Meredith Adams, MD (Moderator); Yuri Agrawal, MD, MPH; Sanjay Bhansali, MD; Joel A. Goebel, MD; David M. Kaylie, MD, MS; Judith White, MD, PhD

**View from the Editors: Peer Review and the Editorial Process**

**MPCC, E450B**
Michael Stewart, MD, MPH (Moderator); John H. Krouse, MD, PhD, MBA; Lawrence R. Lustig, MD; Jay Piccirillo, MD; Robert T. Sataloff, MD
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<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Presenters</th>
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<tbody>
<tr>
<td>3:30 pm</td>
<td>Impact of Target Size and Distance on vHIT Gain</td>
<td>Paul D. Judge, MD; Amanda Rodriguez, PhD, AuD; Kamran Barin, PhD; Kristen Janky, PhD, AuD</td>
</tr>
<tr>
<td>3:36 pm</td>
<td>Unilateral Vestibular Loss: New Perspectives on Recovery</td>
<td>Augusto Pietro Casani, MD; Niccolo Cerchiai, MD; Elena Navari, MD</td>
</tr>
<tr>
<td>3:42 pm</td>
<td>The Epidemiology of Vestibular Migraine</td>
<td>Eric J. Formeister, MD, MS; Jeffrey D. Sharon, MD</td>
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<tr>
<td>3:48 pm</td>
<td>Automated Motion Improves Head Impulse Test Reliability</td>
<td>Grace X. Tan, MD; Desi P. Schoo, MD; Mehdhi Rahman, MS; Nicolas S. Valentim, MS; Matthew R. Ehrenburg; John Carey, MD; Charles C. Della Santina, MD, PhD</td>
</tr>
<tr>
<td>3:54 pm</td>
<td>Self-Perceived Cognitive Impairment in Dizziness</td>
<td>Habib Rizk, MD; Cameron Thomas; Ted Meyer, MD, PhD</td>
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<tr>
<td>4:00 pm</td>
<td>MRSpectroscopy in Acute Unilateral Vestibular Neuritis</td>
<td>Jae Yong Byun, MD</td>
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<tr>
<td>4:06 pm</td>
<td>Cochlea Duct Length of Chinese Adults for Individualized Cochlear Electrode Design</td>
<td>Zhiqiang Gao, MD; Xu Tain, MD; Guodong Feng, MD; Hua Yang, MD</td>
</tr>
<tr>
<td>4:12 pm</td>
<td>Comparison of Endoscopic and Microscopic Ossiculoplasty</td>
<td>Jeffrey A. Dorrity, MD; Manuela Fina, MD; Asche E. Steve, MS</td>
</tr>
</tbody>
</table>
4:18 pm  Skull Vibration Induced Nystagmus in Minor Syndrome
Georges Dumas, MD, PhD; Alexis Lion, PhD; Ian Curthoys, MD, PhD; Philippe Perrin, MD, PhD; Co-Author Sebastien Schmerber, MD, PhD

4:24 pm  False Positive Cholesteatomas on Diffusion-Weighted MRI
Hossein Mahboubi, MD, MPH; Omid Moshtaghi; Ronald Sahyouni; Yarah M. Haidar, MD; Yaser Ghavami, MD; Harrison Lin, MD; Hamid Djalilian, MD

4:30 pm  Does Obesity Increase Operative Time in Otologic Surgery?
Thomas J. Muelleman, MD; Matthew Shew, MD; Mark Villwock, MS; Kevin J. Sykes, PhD, MPH; Hinrich Staecker, MD, PhD; James Lin, MD

4:36 pm  Subclinical Noise Exposure and OSAHS Induced Central Auditory Processing Disorders
Shankai Yin; Hui Wang; Yanmei Feng; Haibo Shi; Yuehua Li; Jian Wang

4:42 pm  Marginal Perforations and Cholesteatoma Pathogenesis
Leticia F. S. Rosito, MD, PhD, MSc; Fabio Selaimen, MD; Erika Vieira Paniz; Bruno Ossanai Schoenardie; Inesangela Canali, MD; Adriane Ribeiro Teixeira, PhD; Sady da Costa, MD, PhD, MSc

4:48 pm  Endoscopy Changes the Surgical Approach to Cholesteatoma
Bin Li, MD; Don Wiese, MD, PhD; Asche E. Steve, MS; Manuela Fina, MD

4:54 pm  The Impact of Resident Participation on Tympanoplasty
Thomas J. Muelleman, MD; Matthew Shew, MD; Mark Villwock, MS; Kevin J. Sykes, PhD, MPH; Hinrich Staecker, MD, PhD; James Lin, MD

5:00 pm  Presutti-Marchioni Endoscopic Way to Lateral Skull Base
Livio Presutti, MD; Daniele Marchioni, MD

5:06 pm  Revision Stapedectomy with Necrosed Incus
Mohamed Rashad Ghonim, MD

5:12 pm  Skullbase Phenotype Predicts Congenital Dehiscence Risk
Shawn M. Stevens, MD; Kiefer Hock; Harsha Nalluri, MD; Myles Pensak, MD; Ravi N. Samy, MD

5:18 pm  Medical Malpractice and Vestibular Schwannoma
Hamid Djalilian, MD; Kimberly Vu; Kasra Ziai, MD; Omid Moshtaghi; Hossein Mahboubi, MD, MPH; Ronald Sahyouni; Harrison Lin, MD
3:30 pm - 5:30 pm

SCIENTIFIC ORAL PRESENTATIONS
HEAD AND NECK SURGERY
Moderators: Umamaheswar Duvvuri, MD, PhD; Neerav Goyal, MD, MPH
MPCC, N227B

3:30 pm  Treatment Patterns by Geography for Squamous Cell Carcinoma of the Oropharynx
Carolyn L. Mulvey, MD; Tiffany N. Chao, MD; Jinbo Chen, PhD; Steven Cannady, MD; Jason Brant, MD; Jason G. Newman, MD

3:36 pm  Initial Therapy in Early Oropharyngeal Carcinoma
Jacob Brady; Meghan Crippen, MS; Tapan Patel, MD; Jean Anderson Eloy, MD; Soly Baredes, MD; Chan Woo Park, MD

3:42 pm  Incidental Findings on Fluorodeoxyglucose-Positron Emission Tomography/Computed Tomography in Head and Neck Cancer
Gregory K. Hartig, MD; Chris Britt, MD

3:48 pm  Patterns of Distant Metastases in Oropharyngeal Cancer
Suat Kilic; Sarah S. Kilić, MS; Renuka K. Reddy; Soly Baredes, MD; Omar Mahmoud, MD, PhD; Richard Chan Woo Park, MD

3:54 pm  Transoral Robotic Surgery for T3, T4 Oropharyngeal Cancer
Se-Heon Kim, MD, PhD

4:00 pm  Epidemiology of Soft Palate Squamous Cell Carcinoma
Albert Y. Han, PhD; Jose Alonso, MD; Edward C. Kuan, MD, MBA; Jon Mallen-St. Clair, MD, PhD; Maie St. John, MD, PhD

4:06 pm  Squamous Cell Carcinoma of the Oropharynx: Demographics and Overall Survival
Carolyn L. Mulvey, MD; Tiffany N. Chao, MD; Jinbo Chen, PhD; Steven Cannady, MD; Jason Brant, MD; Jason G. Newman, MD

4:12 pm  Surgical Treatment Algorithm in Oropharyngeal Cancer
Joseph W. Spellman, MD; Ryan L. Sload, MD; Paul Kim, MD; Peter Martin, MD; Gabriel Calzado, MD

4:18 pm  Autoimmune Disease and Oropharyngeal Carcinoma Risk
Douglas Farquhar, MD, MPH; James Taylor; Jose P. Zevaillos, MD, MPH

4:24 pm  Validation of a Survival Prediction Model for Oropharyngeal Squamous Cell Carcinoma
Michael Hutz, MD; Brian L. McCalister; James Richard Martin, MD; Mary E. Malliaris, PhD; Carol Bier-Laning, MD, MBA

4:30 pm  Survival Outcomes by Treatment for Squamous Cell Carcinoma of the Oropharynx
Tiffany N. Chao, MD; Carolyn L. Mulvey, MD; Jinbo Chen, PhD; Steven Cannady, MD; Jason Brant, MD; Jason G. Newman, MD
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<th>Time</th>
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<tr>
<td>4:36 pm</td>
<td>Lymphatic Patterns and Prognosis in Oral Commissure Squamous Cell Carcinoma</td>
<td>Jose Alonso, MD; Edward C. Kuan, MD, MBA; Jonathan Mallen-St. Clair; Albert Y. Han, PhD; Maie St. John, MD, PhD</td>
</tr>
<tr>
<td>4:42 pm</td>
<td>Failure Patterns for HPV Positive OPSCC Treated with Transoral Robotic Surgery</td>
<td>Kealan Hobelmann, MD; Adam Lugninbuhl, MD; John Gleysteen, MD; Voichita Bar-Ad, MD; Joseph Curry, MD; David M. Cognetti, MD</td>
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<tr>
<td>4:48 pm</td>
<td>Diagnosis and Surgical Treatment of Phosphaturicmesenchymal Tumors Invading Temporal-Lateral Skull Base Region</td>
<td>Hua Yang, MD; Zhiqiang Gao, MD; Guodong Feng, MD</td>
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<td>5:00 pm</td>
<td>Risk of Positive Margins by Oropharyngeal Subsite in Transoral Robotic Surgery</td>
<td>Michael Persky, MD; William G. Albergotti, MD; Tanya J. Roth, MD; Shira Abberbock, MS; Umamaheswar Duvvuri, MD, PhD; Robert L. Ferris, MD, PhD; Seungwon Kim, MD</td>
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<td>5:06 pm</td>
<td>Breakthrough on Preventing Bleeding during and after Transoral Robotic Surgery</td>
<td>Se-Heon Kim, MD, PhD; Da-Hee Kim, MD; Joo Hyun Kim, MD; Young Wook Seo, MD; Young Ho Lee, MD</td>
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<tr>
<td>5:12 pm</td>
<td>Transoral Robotic Surgery: Identifying Unknown Primaries of the Head and Neck</td>
<td>Mohemmed Khan, MD; Robert J. Chouake; Eduardo Mendez, MD, MPH; Neal D. Futran, MD; Marita S. Teng, MD; Eric M. Genden, MD; Brett A. Miles, MD, DDS</td>
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<tr>
<td>5:18 pm</td>
<td>Transoral Radical Tonsillectomy for Tonsillar Cancer</td>
<td>Chung-Yu Hao, MD; Sheng-Po Hao, MD</td>
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<tr>
<td>5:24 pm</td>
<td>Prognostic Factors Relevant to Acute Low-Tone Sensorineural Hearing Loss</td>
<td>Mingming Wang; Zhaomin Fan; Chengfang Chen; Haibo Wang</td>
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3:30 pm - 5:30 pm

SCIENTIFIC ORAL PRESENTATIONS
PEDiatric OTOLARYngology
Moderators: Sukgi S. Choi, MD; Michael J. Cunningham, MD
MPCC, N229

3:30 pm  The Effect of Ciprodex® on Subglottic Stenosis
Wesley Mcilwain, MD; Paul Wistermayer, MD; Nicholas Ieronimakis, PhD; Shannon T. Marko; Derek J. Rogers, MD

3:36 pm  Improving Outcomes of Laryngotracheal Reconstruction
Taylor M. Gilliland; Nicholas Ettinger, MD, PhD; Rahul Bajjal, MD; Prasad John Thottam, DO; Deepak Mehta, MD, FRCS

3:42 pm  Drivers of Prolonged Length of Stay in Inpatient Group
Aparna Govindan; Christine Mathew, MS; Kristen Echanique; Ashley Rodgers, MS; Evelyne Kalyoussef, MD

3:48 pm  Pediatric Airway Foreign Body Safety Outcomes in the American College of Surgeons National Surgical Quality Improvement Program Pediatric
Grace X. Tan, MD; Emily F. Boss, MD, MPH; Daniel Rhee, MD, MPH

3:54 pm  Pulmonary Function Testing in Laryngotracheal Stenosis
Amy M. Manning, MD; Catherine Hart, MD; Meredith Tabangin, MPH; Charles Myer, MD; Crisalli Joseph, MD; Alessandro De Alarcon, MD, MPH

4:00 pm  Reduced Emergency Department Visits after Tonsillectomy
Caitlin W. Pacheco; Mark Finkelstein; Rocco Ferrandino, MD; Michael A. Palese, MD; Fred Lin, MD

4:06 pm  Effect of Adenoidectomy on Preventing Otitis Media
Ran A. Wang; Adam B. Johnson, MD, PhD; T. Richter, MD

4:12 pm  Analysis of Pathogenic Structures on Eardrum in Chronic Otitis Media
Guillermo L. Monroy, MS; Pawjai Khampang; Wenzhou Hong, PhD; Ryan Porter, MD; Michael Novak, MD; Joseph E. Kerschner, MD; Stephen A. Boppart, MD, PhD

4:18 pm  Pediatric Salivary Malignancy: A Population Based Review
Andrew Walls, MD; David Kasle, MD; Nicole Aaronsan, MD; Erik Waldman, MD

4:24 pm  Characterization of Otitis Media Using an Optical Coherence Tomography Otoscope
Diego A. Preciado, MD, PhD; Ryan Nolan, MS; Radhika Joshi; Gina Krakovsky, MS, RN; Anqi Zhang, PhD; Stephen A. Boppart, MD, PhD; Nancy M. Bauman, MD
TUESDAY

4:30 pm  
**Management Trends in Pediatric Posttonsillectomy Bleeds**  
Christine M. Clark, MD; Jane R. Schubart, PhD, MBA, MS; Michele M. Carr, MD, PhD, DDS

4:36 pm  
**Drug Eluting Bioresorbable Tympanostomy Tubes**  
Deepa J. Galaiya, MD; Sarah A. Bradner, PhD; Jeffrey Tao Cheng, PhD; Michael J. Whalen, MD; David Kaplan, PhD; Christopher Hartnick, MD, MS

4:42 pm  
**Barriers to Pediatric Cochlear Implant: A Parental Survey**  
Charles Yang, MD; Brian K. Reilly, MD; Diego A. Preciado, MD, PhD

4:48 pm  
**Laryngeal Abnormalities in 22q11.2 Patients**  
Bridget E. Ebert; James Sidman, MD; Noelle Morrell; Brianna B. Roby, MD

4:48 pm  
**Laryngeal Abnormalities in 22q11.2 Patients**  
Bridget E. Ebert; James Sidman, MD; Noelle Morrell; Brianna B. Roby, MD

4:54 pm  
**Age-Based Comparison of Tonsillectomy Complications**  
David S. Kim, MD; Tsungjiu O-Lee, MD

5:00 pm  
**S. Aureus in Advanced Orbital Complications of Sinusitis**  
Sarah Gitomer, MD; Doug Marx, MD; Preeti Thyparampil, MD; Richard Jenkins, MD; Karina Canadas, MD

5:06 pm  
**The Natural History of Unrepaired Complete Tracheal Rings**  
Lyndy J. Wilcox, MD; Catherine Hart, MD; Michael J. Rutter, MD, FRACS; Claudia Schweiger, MD, PhD; Nithin S. Peddireddy; Alessandro De Alarcon, MD, MPH

5:12 pm  
**Adenotonsillectomy in Children Post-transplant**  
Jessica L. Roberts, MBBS; Jason Powell, MBBS

5:18 pm  
**Drug-Induced Sleep Endoscopy in Pediatric Obstructive Sleep Apnea**  
Marco M. Peres, MD; Ivo M. Moura, MD; Cristina Adánis, MD; Diogo Raposo, MD; Ana Guimarães, MD; Filipe Freire, MD

5:24 pm  
**Using Laryngeal Electromyography for Pediatric Vocal Fold Immobility**  
Sarah N. Bowe, MD; Christopher Hartnick, MD, MS

4:45 pm - 5:35 pm  
**INTERNATIONAL SYMPOSIA**

Endotypes in Chronic Rhinosinusitis  
Supported by the Chinese Academy of Otolaryngology-Head and Neck Surgery  
MPCC, E353A

Luo Zhang, MD, PhD (Moderator); Robert Kern, MD; Claus Bachert, MD, PhD; Nan Zhang, PhD
4:45 pm - 5:45 pm

**INSTRUCTION COURSES**

*Implantable Auditory Devices: Between HA and Cochlear Implant*

MPCC, N139  
Darius Kohan, MD; Sujana S. Chandrasekhar, MD

*Optimal Surgical Strategies in Treating Facial Paralysis*

MPCC, N135  
David B. Hom, MD; Ravi N. Samy, MD

*Tympanoplasty: Medial, Lateral, or Medio-Lateral Graft*

MPCC, N140  
Timothy T. K. Jung, MD, PhD; David Jung, MD, PhD

4:45 pm - 5:45 pm

**MINISEMINARS**

*Malpractice in Otolaryngology: Strategies to Reduce Liability*

MPCC, N134  
Jean Anderson Eloy, MD (Moderator); Michael Setzen, MD; Marvin P. Fried, MD; Shawn Kelly, JD

*OTC Hearing Aids: Costco and Regulation Changes*

Supported by the Hearing Committee  
MPCC, N230  
Seilesh Babu, MD (Moderator); Carrie L. Nieman, MD, MPH; Daniel Zeitler, MD; Candice Colby, MD; Nicholas S. Reed, AuD

*Up Your Game: Slick Surgery in the Head and Neck*

Supported by the Head & Neck Surgery and Oncology Committee  
MPCC, N226  
Alexander Langerman, MD, MS (Moderator); Kevin Emerick, MD; Prerak D. Shah, MD; Nilesh R. Vasan, MD; Brett A. Miles, MD, DDS

McCormick Place  
Convention Center Free WiFi  
Network: OTO 2017
WEDNESDAY SEPTEMBER 21

DAY-AT-A-GLANCE

Education Sessions
7:30 am - 8:30 am

Education Sessions
8:45 am - 9:45 am

Education Sessions
10:00 am - 12:00 pm

#IAMOTO

Connect. Share. Inspire.

Tell us your #IAMOTO story on Twitter, Facebook, or Instagram.
7:30 am - 8:20 am

INTERNATIONAL SYMPOSIA

Septal: Floor Flap in Endonasal Skull Base Reconstruction
MPCC, E353A
Weitian Zhang, MD (Moderator); Song Mao, MD

7:30 am - 8:30 am

INSTRUCTION COURSES

Bacteria in the Sinuses: Friend or Foe? A Microbiome Update
MPCC, E352
Steven D. Pletcher, MD; Andrew N. Goldberg, MD

Clinical Fundamentals: Ethics and Professionalism
MPCC, N140
Roger D. Cole, MD; Susan McAmmon, MD

Clinical Fundamentals: Universal Precautions for the Otolaryngologist
MPCC, E351
Peggy E. Kelley, MD

www.entannualmeeting.org #OTOMTG17
Current Advances in Otitis Media  
**MPCC, E451A**
Joseph E. Kerschner, MD; Michael McCormick, MD

Endoscopic Management of the Pediatric Airway  
**MPCC, N229**
Charles M. Bower, MD; Gresham T. Richter, MD; Dan Kirse, MD; Steve Sobol, MD

Evidence-Based Approach to Oral Cavity Cancer, 2017  
**MPCC, N227B**
Neil D. Gross, MD; Dennis H. Kraus, MD

Evidence-Based Medicine in Laryngology: Fact and Fiction  
**MPCC, E350**
Chandra M. Ivey, MD; David E. Rosow, MD

Haemostasis During Endoscopic Sinus Surgery  
**MPCC, N128**
Harshita Pant, PhD, MBBS

Implementing a Successful Allergy Department  
**MPCC, N132**
Cecelia Damask, DO

Pearls of Dysphagia Management in the Older Patient  
**MPCC, N138**
Ozlem E. Tulunay-Ugur, MD; Philip Weissbrod, MD

Physics, Music, and Laryngology  
**MPCC, N133**
James P. Thomas, MD

Raising Your Voice Care Game via Excellence in Stroboscopy  
**MPCC, N139**
VyVy N. Young, MD

Reconstruction of Partial Auricular Defects  
**MPCC, N136**
C. W. David Chang, MD; Gregory Renner, MD
### MASTERS OF SURGERY

**VIDEO PRESENTATIONS**
Moderator: Fred F. Telischi, MD  
**MPCC, N134**

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| 7:30 am| **Endoscopic Approach to Cholesteatoma with Piezosurgery**  
Manuela Fina, MD                                                                         |
| 7:40 am| **Difficult Cases in Cochlear Implantation**  
Davide Soloperto, MD; Marco Carner, MD; Daniele Marchioni, MD                              |
| 7:50 am| **Middle Fossa Approach for Vestibular Schwannoma**  
Cameron C. Wick, MD; Samuel L. Barnett, MD; J. Walter Kutz, MD; Brandon Isaacson, MD       |
| 8:00 am| **Transcanal Veria Technique of Cochlear Implant**  
Kranti Bhavana, MS                                                                          |
| 8:10 am| **Combined Eustachian Tube Dilation and Tympanoplasty**  
Fareeda Taher Nazer Hussain, MD; Manuela Fina, MD                                           |
| 8:20 am| **Infracochlear Approach to a Petrous Apex Lesion**  
Fred F. Telischi, MD; Ariel Grabman, MD; Amit Wolfovitz, MD; Thomas A. Babcock, MD        |

### MINISEMINARS

| MPCC, N230 | **A Primer of In-Office Larynx Procedures Focusing on Lasers**  
Richard K. McHugh, MD, PhD (Moderator); Seth H. Dailey, MD; Jeanne L. Hatcher, MD; Adam Rubin, MD |
|------------|-----------------------------------------------------------------------------------------------------|
| E450A      | **Education in the 21st Century: What Do We Do Now?**  
Ravi N. Sarny, MD (Moderator); Ted Meyer, MD, PhD; Eric Gantwerker, MD, MS, MMSc (MedEd); Rizwan Aslam, DO, MSc |
| E353B      | **Enhancing Your Career with Quality Improvement**  
Supported by the Patient Safety and Quality Improvement Committee  
Sarah N. Bowl, MD (Moderator); Korthik Balakrishnan, MD, MPH; Rahul Shah, MBA; Daniel L. Wohl, MD |
**Facing Unconscious Bias in Medicine**  
Supported by the WIO Program Committee, Diversity Committee, and the Young Physicians Section  
**MPCC, N231**  
Valerie Flanary, MD (Moderator); Minka Schofield, MD; Carol R. Bradford, MD

**Immunotherapy: What You Need to Know**  
Supported by the Head & Neck Surgery and Oncology Committee  
**MPCC, N135**  
Clint T. Allen, MD (Moderator); Robert L. Ferris, MD, PhD; Tanguy Seiwert, MD

**Nonallergic Rhinitis: Update 2017**  
**MPCC, E353C**  
John H. Krouse, MD, PhD, MBA (Moderator); Stephanie Joe, MD; Amber Luong, MD, PhD; William Reisacher, MD; Elina Toskala, MD, PhD, MBA

**Registries and Databases: How and Why?**  
Supported by the Outcomes Research and Evidence-Based Medicine Committee and Plastic and Reconstructive Surgery Committee  
**MPCC, N227A**  
Robin Lindsay, MD (Moderator); Lisa E. Ishii, MD, MHS; Sachin Pawar, MD; Richard Gliklich, MD

**Unusual Tinnitus Cases: It’s Not All Primary Idiopathic**  
**MPCC, E451B**  
Daniel H. Coelho, MD (Moderator); Betty Tsai Do, MD; George Wanna, MD; Maura K. Cosetti, MD; Adrien Eshraghi, MD, MS

**7:30 am - 9:30 am**  
**INSTRUCTION COURSE**  
Surgical Decision Making in Cholesteatoma  
**MPCC, N129**  
Eric E. Smouha, MD; Dennis Bojrab, MD; Barry Hirsch, MD

**7:30 am - 9:30 am**  
**MINISEMINAR**  
The Latest (and Greatest?) Devices in Ears, Nose, and Sleep  
Supported by the Outcomes Research and Evidence-Based Medicine Committee, Medical Devices and Drugs Committee, and Rhinology and Paranasal Sinus Committee  
**MPCC, N137**  
Jennifer J. Shin, MD, MS (Moderator); Dennis Poe, MD, PhD; Kenneth H. Lee, MD, PhD; Joseph Han, MD; B. Tucker Woodson, MD; Eric A. Mann, MD, PhD
7:30 am - 8:30 am

SCIENTIFIC ORAL PRESENTATIONS

PEDIATRIC OTOLARYNGOLOGY
Moderators: Daniel C. Chelius, MD; Cristina Baldassari, MD
MPCC, N228

7:30 am  Trends in Pediatric Otolaryngology Disparities Research
Jad R. Jabbour, MD, MPH; Thomas C. Robey, MD;
Michael J. Cunningham, MD

7:36 am  Pharyngeal Flap Versus Sphincter Pharyngoplasty for Velopharyngeal Insufficiency
Joshua D. Horton, MD; Sharon H. Gnagi, MD;
Carlyn M. Atwood; Darrell Wright, MD;
Shaun A. Nguyen, MD; David R. White, MD

7:42 am  Pediatric Nasal Septal Perforation
Jesse Greenberg, MD; Amber D. Shaffer, PhD;
Amanda L. Stapleton, MD

7:48 am  Pediatric Mandible Fractures: Age, Location, and Management
Sharon H. Gnagi, MD; Carlyn M. Atwood;
Krishna Patel, MD, PhD; Shaun A. Nguyen, MD;
David R. White, MD

7:54 am  Severe Ulceration in Infantile Hemangioma
Dan H. Gordon, MD

8:00 am  Craniofacial Morphology of Patients with Velopharyngeal Dysfunction
Firas Kassem, MD

8:06 am  Patterns of Facial Trauma in Child Abuse
Carlyn M. Atwood; David R. White, MD;
Ronald J. Teufel, MD; Sharon H. Gnagi, MD

8:12 am  Development of a Novel Mandibular Distraction Simulator
Chelsea L. Reighard, MS; David A. Zopf, MD, MSc

8:18 am  Sleep Study Indices and Post-tonsillectomy Outcomes
Yuti Desai; Schubart Jane, PhD, MBA; Scott Chung;
Robert T. Swanson; Uma R. Parekh, MBBS;
Michele M. Carr, MD, PhD, DDS

8:24 am  Objective Symptoms of Chronic Rhinosinusitis in Pediatric Patients
Phillip R. Purnell, MD, PhD; Hasson Ramadan, MD, MS
**DAILY SCHEDULE**

**WEDNESDAY**

**8:45 am - 9:35 am**

**INTERNATIONAL SYMPOSIA**

**Pearls in Management of the Tongue in Snoring/OSA**
**MPCC, E353A**
Kenny Peter Pang, MD; Peter Michael Baptista, MD, PhD; Claudio Vicini, MD; Filippo Monteverchi, MD

**8:45 am – 9:45 am**

**INSTRUCTION COURSES**

**3D Anatomy of the Temporal Bone with Clinical Implications**
**MPCC, E451A**
Michael T. Teixido, MD

**An Update of Adult Acute and Chronic Rhinosinusitis**
**MPCC, E450A**
Sapideh Gilani, MD

**Avoiding and Managing Complications in Laryngology**
**MPCC, E350**
Vy Vy N. Young, MD; Libby Smith, DO

**Best Practice for Total Laryngectomy and Rehabilitation**
**MPCC, E353B**
Jan S. Lewin, PhD; Ann M. Gillenwater, MD

**Diagnosis and Complications of Nasopharyngeal Carcinoma**
**MPCC, N135**
Raymond K. Tsang, MS; Jason Chan, MBBS

**In-Office Care of Geriatric Voice and Swallowing Disorders**
**MPCC, E351**
Ozlem E. Tulunay-Ugur, MD; Stacey Holum, MD

**Novel Ossicular Reconstruction Techniques**
**MPCC, E451B**
Michael D. Seidman, MD; Eric M. Kraus, MD, MS

**Making Sense of Reflux Testing**
**MPCC, N139**
Thomas L. Carroll, MD; Walter W. Chan, MD, MPH

**Responsible Pain Management for the Otolaryngologist**
**MPCC, N140**
Chad A. Zender, MD; Katrina Harrill

**Re-Operative Thyroid and Parathyroid Surgery**
**MPCC, N227B**
Brendan C. Stock, MD; David L. Steward, MD
Should You Consider Becoming a Locum Otolaryngologist?
MPCC, N128
Michael Knowland, MD

Up-To-Date Management of Refractory Sinonasal Polyposis
MPCC, E353C
Steven D. Pletcher, MD; Stacey T. Gray, MD

8:45 am - 9:45 am
MINISEMINARS

AAO-HNSF Clinical Consensus Statement: Balloon Dilation of the Sinuses
Supported by the Guideline Task Force and 3P Work Group
MPCC, E352
Jay Piccirillo, MD (Moderator); Spencer Payne, MD; Richard M. Rosenfeld, MD, MPH

Development of a Hospital-Wide Difficult Airway Team
Supported by the Patient Safety and Quality Improvement Committee
MPCC, N229
Carol Bier-Laning, MD, MBA (Moderator); Paul W. Flint, MD; Sherif Afifi, MD; Joshua Lee, MD

How to Start a Multi-Disciplinary Sleep Program
MPCC, N134
Maurits Boon, MD (Moderator); Colin Huntley, MD; Karl Doghramji, MD; Ryan Soose, MD

Integrative Approaches to Reflux Disease: Beyond Proton-Pump Inhibitors
Supported by the Complementary/Integrative Medicine Committee and Airway and Swallowing Committee
MPCC, N230
Marilene B. Wang, MD (Moderator); Michele Morrison, DO; Nausheen Jamal, MD; Agnes Czibulka, MD; Malcolm B. Taw, MD

Innovations in Pediatric Otolaryngology: A Video Forum
MPCC, N228
Sanjay Parikh, MD (Moderator); Steven Goudy, MD; Paul Krakovitz, MD; Soham Roy, MD; Michael J. Rutter, MD, FRACS; David R. White, MD; Carlton Zdanski, MD

MMF Chaos: Arch Bars and Their Alternatives
Supported by the Trauma Committee
MPCC, N136
Jared M. Theler, MD (Moderator); Alan Johnson, MD, MS; Robert Kellman, MD; Scott Bevans, MD
DAILY SCHEDULE

Practice-Changing ENT Advances from Physicians under 40

Supported by the Young Physicians Section and YPS Governing Council

MPCC, N138

Jonathan Mark, MD (Moderator); Erika Woodson, MD; Angela Sturm, MD; Kent Lam, MD; James J. Daniero, MD; John P. Dahl, MD, PhD, MBA

U.S.A. Health Care Reform: Now What Do We Do?

Supported by the BOG Legislative Representative Committee

MPCC, N231

Brian J. McKinnon, MD, MBA, MPH (Moderator); Susan R. Cordes, MD; Robert J. Stackler, MD; William R. Bond, MD, MBA

8:45 am - 9:45 am

SCIENTIFIC ORAL PRESENTATIONS

OTOLOGY/NEUROTOGY

Moderator: Maura Cosett, MD

MPCC, N226

8:45 am Apogeotropic Posterior Semicircular Canal (PSC) Benign Paroxysmal Positional Vertigo

Giacinto Asprella Libonati, MD, PhD; Rudi Pecci, MD, PhD

8:51 am Weights of Envelopes in Different Frequency Regions for Mandarin Recognition in Noise

Yanmei Feng; Yang Gao; Yuanyuan Sun; Zhiwei Hou

8:57 am Different Packings in Acute Otitis Externa Management

Mehmet Guven, MD; Deniz Demir, MD; Mahmut Sinan Yilmaz, MD; Halil Elden, MD; Ahmet Kara, MD

9:03 am Diabetes as a Prognostic Factor in Sudden Hearing Loss

Juan C. Ceballos, MD; Mauricio Gonzalez Navarro, MD; Diana Elizabeth Muñoz Hernández, MD; Julio Cesar Mena Ayala, MD

9:09 am Our Strategy and Surgical Experiences in Management of Vestibular Schwannoma

Hao Wu; Yongchuan Chai; Weidong Zhu, MD; Jie Yang, MBBS; Huan Jia; Zhaoyan Wang, MD, PhD

9:13 am Neurotology Prescription Data under Medicare

Hamid Djallilian, MD; Kasra Ziai, MD; Kimberly Vu; Omid Moshtaghj; Hossein Mahboubi, MD, MPH; Ronald Sahyouni; Harrison Lin, MD

9:19 am A Light-Curable Gel for Nonsurgical Tympanoplasty

Benjamin J. Rubinstein, MD (presenter); Jesse Ranney, MD; Parastoo Khoshahkhlagh, PhD, MSc; Barry Strasnick, MD; Elaine Horn-Ranney, PhD

9:25 am Intratympanic Steroids for Idiopathic SSNHL

Marco M. Peres, MD; Eurico Costa, MD; Diogo Raposo, MD; Marta Gião, MD; Ana Guimarães, MD; Filipe Freire, MD

9:31 am Tuning Fork Accuracy for Hearing Loss: A Systematic Review

Elizabeth A. Kelly, MD; Bin Li, MD; Meredith Adams, MD
8:45 am - 9:45 am

SCIENTIFIC ORAL PRESENTATIONS
PATIENT SAFETY AND QUALITY IMPROVEMENT
Moderators: Sonya Malekzadeh, MD
MPCC, N227A

8:45 am  Analysis of 30-Day Readmissions following Head and Neck Surgery
Michael Ghiam, BA; Alexander Langerman, MD, MS; Sarah Rohde, MD

8:51 am  Quality Metric Predictors in Free Flap Reconstruction
Antoine Eskander, MD, MSc, FRCS; Stephen Kang, MD; Matthew O. Old, MD; Enver Ozer, MD; Amit Agrawal, MD; Theodoros Teknos, MD

8:57 am  Continuity of Culture Follow-up in Head and Neck Infection
David S. Kim, MD; Matthew Ng, MD

9:03 am  Evidence Supporting Free Head and Neck Cancer Screenings
Zachary D. Urdang; David Rosales; Ryan J. Li, MD; Peter E. Andersen, MD; Neil D. Gross, MD; Daniel R. Clayburgh, MD, PhD

9:09 am  Postoperative Pain Management in Head and Cancer Patients
Joseph Dort, MD, MSc; Ashley V. Hinther, MD, MSc; Shamir Chandarana, MD, MSc; Wayne Matthews, MD; Christiaan Schrag, MD; Steven Nakoneshny

9:13 am  Safety of Drilling 3D Printed Temporal Bones
Monika E. Freiser, MD, MPH; Anish Ghodadra, MD; Lindsey Hart, MS; Christopher Griffith; Noel Jabbour, MD, MS

9:19 am  Millennial Learners: Implications for Training Programs
Rahul S. Subbarayan, MD; Jennifer A. Villwock, MD

9:25 am  QI in Otolaryngology Residency: Survey of Residents
Charlotte K. Hughes, MD, MPH; Sarah N. Bowe, MD

9:31 am  Predatory Journals in Medical Publishing
Brian W. Blakley, MD, PhD

9:37 am  Usefulness of Otolaryngology After-Visit Summaries
Matthew G. Crowson, MD; Seth Cohen, MD, MPH
10:00 am - 10:50 am

INTERNATIONAL SYMPOSIA

Upper Airway Stimulation in Obstructive Sleep Apnea
MPCC, E353A
Clemens Heiser, MD; Benedikt Hofauer, MD; Olivier M. Vanderveken, MD, PhD

10:00 am – 11:00 am

INSTRUCTION COURSES

Anosmia: A General Otolaryngology Practical Review
MPCC, E351
Sapideh Gilani, MD

Botulinum Toxin for Headache and Pain
MPCC, N140
Andrew Blitzer, MD, DDS; William Binder, MD

Diagnosis and Management of Arteriovenous Malformations
MPCC, N136
James Y. Suen, MD

Extracapsular Parotid Dissection: The Good, Bad, and Ugly
MPCC, N227B
Robert L. Witt, MD

Functional Reconstruction of the Oral Cavity and Pharynx
MPCC, N135
Gregory K. Hartig, MD; Aaron M. Wieland, MD

Peri-Operative Anticoagulation for the Otolaryngologist
MPCC, N139
Quang C. Luu, MD; D. Gregory Farwell, MD; Andrew Cho, MD

Improving Risk Communication in Otolaryngology
MPCC, E450A
Jay Piccirillo, MD; Judith Lieu, MD; Parul Sinha, MD

The RAID Talk
MPCC, E350
Priya Krishna, MD, MS; Brianna Crawley, MD
10:00 am – 11:00 am

MINISEMINAR

State of the Art in Chronic Cough: A Case-Based Approach
MPCC, N138
Kenneth W. Altman, MD, PhD (Moderator);
John H. Krouse, MD, PhD, MBA; Andrew P. Lane, MD;
Thomas L. Carroll, MD; Seth H. Dailey, MD

10:00 am – 12:00 pm

INSTRUCTION COURSES

Gussack Memorial: Avoiding Bad Results in Sinus Surgery
MPCC, E352
Christopher T. Melroy, MD; Scott M. Graham, MD

Palatal Surgery for Obstructive Sleep Apnea
MPCC, N227A
B. Tucker Woodson, MD; Claudio Vicini, MD; Kenny Peter Pang, MD

Pediatric Otolaryngology Recertification/Certification Review Course
MPCC, N229
Jeffrey P. Simons, MD; Matthew Thomas Brigger, MD, MPH;
Kenny H. Chan, MD; Cristina Baldassari, MD

Personalized FESS in 2017
MPCC, E353C
Martin Citardi, MD; Seth Brown, MD, MBA; Marc Dubin, MD;
Peter Hwang, MD

Safe Sinus Surgery
MPCC, N137
James Stankiewicz, MD

Sudden Sensorineural Hearing Loss: An Otologic Emergency
MPCC, E451B
Sujana S. Chandrasekhar, MD; James E. Saunders, MD;
Andrea Vambutas, MD; Seth R. Schwartz, MD, MPH

Voice and Swallowing Made Ridiculously Simple
MPCC, N230
Adam Rubin, MD; Michael Pitman, MD
10:00 am – 12:00 pm

MINISEMINARS

Complex Dizziness for the General Otolaryngologist
Supported by the Otology and Neurotology Education Committee
MPCC, N226
Erika A. Woodson, MD (Moderator); Soha N. Ghossaini, MD; Bradley Pickett, MD; Syed Ahsan, MD

Endoscopic Ear Surgery in Clinical Practice
MPCC, N129
Daniel J. Lee, MD (Moderator); Michael S. Cohen, MD; Muaaz Tarabichi, MD; David Pothier, MBBS, MSc, FRCS

Mythbusters: Pediatric Aspiration
MPCC, N228
Julina Ongkasuwan, MD (Moderator); Deepak Mehta, MD, FRCS; James W. Schroeder, Sr., MD; Hamdy El-Hakim, MBBS, Ed, FRCS(Ed); Claire K. Miller, PhD, MHA; Paul Willging, MD

Point-of-Care Computed Tomography Imaging in Otolaryngology/Rhinology
Supported by the Imaging Committee
MPCC, N231
David B. Conley, MD (Moderator); Bruce Tan, MD; Justin Turner, MD, PhD; Robert Pizzutiello, MS; Gavin Setzen, MD

The Process and Ethics of Launching Your Innovative Ideas
Supported by the Medical Devices and Drugs Committee and the Ethics Committee
MPCC, N128
Courtney Hill, MD (Moderator); Davud Sirjani, MD; Maie St. John, MD, PhD; Gordon Siegel, MD

Vestibular Physical Therapy: Evidence for Efficacy and New Technologies
Supported by the Equilibrium Committee
MPCC, E451A
Edward Cho, MD (Moderator); Yuri Agrawal, MD, MPH; Simon W. Eisenberg, MBBS; Kim Gottshall, PhD; Habib Rizk, MD; Jeffrey D. Sharon, MD; Janet O. Helminski, PhD
10:00 am Management of Vagal Paraganglioma in the Head and Neck Region
Zhiqiang Gao, MD; Hua Yang, MD; Guodong Feng, MD; Qingsong Liu, MD

10:06 am Impact of Biopsy Modality on Head and Neck Melanoma
Arya Namin, MD; Robert P. Zitsch, MD

10:12 am Level 1b Lymphadenopathy in Human Papillomavirus Oropharyngeal Cell Cancer
Niels Kokot, MD; Mark S. Swanson, MD; Alfred Lee; Elias Fanous

10:18 am Platelet-Lymphocyte Ratio Predicts Venous Thromboembolism in Head and Neck Cancer
Tristan Tham, MD; Peter Costantino, MD; Lauren Rahman, MHA

10:24 am C-reactive Protein in HPV + and HPV - Oropharyngeal Cancer
Stephanie Johnson-Obaseki, MD, MPH; Martin Corsten, MD; Geoffrey Liu, MD; Jonathan Irish, MD; Jim Dimitroulakos, PhD

10:30 am Trends in Head and Neck Cancer Post-Treatment Imaging
Carol Lewis, MD; Zhannat Nurgalieva, MD, PhD; Mihir Bhayani, MD; Hui Zhao, PhD; Sharon Giordano, MD, MPH; Katherine Hutcheson, PhD

10:36 am Risk and Complications of Thyroglossal Duct Cyst Removal
Kimberly Vu; Yarah M. Haidar, MD; Edward C. Kuan, MD, MBA; Tjoson Tjoa, MD

10:42 am Anti-Angiogenic Agents Enhance Chemotherapeutics
Andrew Prince; Kiranya E. Tipirneni, MBBS; Lindsay Moore, MD; Neel Patel, MD; William Carroll, MD; Eben Rosenthal, MD; Jason Warram, PhD

10:48 am Global Head and Neck Cancer Incidence and Risk Factors
Max A. Hennessy; Neerav Goyal, MD, MPH; Erik Lehman, MS; Josh Muscat, PhD

10:54 am Does Pretreatment Swallow Evaluation Change G-Tube Rates
Warren C. Swegal, MD; Aron Kandinov; Amy M. Williams, PhD; Steven Chang, MD
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<th>Time</th>
<th>Title</th>
<th>Presenters</th>
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<tr>
<td>11:00 am</td>
<td>Second Primaries after Curative Treatment of HPV+ OPSCC</td>
<td>John R. Sims, MD; Kathryn Van Abel, MD; Daniel L. Price, MD; Katharine A. Price, MD; Daniel J. Ma, MD; Eric Moore, MD</td>
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<td>11:06 am</td>
<td>Predictors of Postoperative Seromas after Parotidectomy</td>
<td>Adam Van Horn, MD; Rony K. Aouad, MD</td>
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<td>11:12 am</td>
<td>Affordable Care Act Impact on Head and Neck Cancer Care</td>
<td>Lauren Lawrence, MD; Arun Sharma, MD, MS; Mitchell Heuermann; Pardis Javadi, MD</td>
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<td>11:18 am</td>
<td>Selective Neck Dissection for N+ve Carcinoma Oral Cavity</td>
<td>Syed Salman Hashmi, MBBS</td>
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<td>11:24 am</td>
<td>Sentinel Lymph Node Biopsy in Squamous Cell Carcinoma</td>
<td>Tom Shokri, MD; Laila M. Siddique; Genevieve Andrews, MD</td>
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<td>11:30 am</td>
<td>Lung Malignancy following Head &amp; Neck Squamous Cell Cancer</td>
<td>Meghan Crippen, MS; Jacob Brady; Jean Anderson Eloy, MD; Soly Baredes, MD; Richard Chan Woo Park, MD</td>
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<td>11:36 am</td>
<td>Diagnosis to Treatment Time in Head and Neck Cancer</td>
<td>Garren M. I. Low, MD; Tina Cordero, MD; Kunal Jain, MD; Alyssa Rieber, MD; Etan Wiestock, MD; Ibrahim Alava, MD</td>
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<td>11:42 am</td>
<td>Cesium-131 Brachytherapy in Recurrent Head and Neck Cancer</td>
<td>Julianna Rodin, MD; Voichita Bar-Ad, MD; David M. Cognetti, MD; Joseph Curry, MD; Benjamin Leiby, MD, PhD; Adam Luginbuhl, MD</td>
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<td>11:48 am</td>
<td>Sinonasal NEC: Multimodal Therapy and Endoscopic Surgery</td>
<td>Geralf Kellner, MD; Valentin A. Breinlich, MD; Dirk Eßer, MD; Herbert Sayer, MD; Rudiger Gerlach, MD</td>
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**INTERNATIONAL SYMPOSIA**

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<th>Time</th>
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<th>Presenters</th>
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<tr>
<td>11:10 am</td>
<td>OSA Treatment Advances and Challenges in the USA and Europe</td>
<td>Maria Suurna, MD; Clemens Heiser, MD; Ryan Soose, MD; Filippo Montevecchi, MD</td>
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SM
11:10 am – 12:10 pm

INSTRUCTION COURSES

Advanced Endoscopic Approaches to the Frontal Sinus
MPCC, E350
Jean Anderson Eloy, MD; Alexander G. Chiu, MD

Approaching the Saddle Nose Deformity
MPCC, N135
Waled H. Ezzat, MD

High Definition Laryngology
MPCC, N139
James P. Thomas, MD

Management of Septal Perforations
MPCC, N136
Stephen Bansberg, MD, MS

Mastering the Difficult Septum
MPCC, E450A
Mark A. Armeni, MD

11:10 am – 12:10 pm

MINISEMINAR

Fundamental Principles and Pitfalls in Flap Management
Supported by the Section for Residents and Fellows Committee, and Microvascular Committee
MPCC, N227B
Peter Vila, MD, MS (Moderator); Mark K. Wax, MD; Chaz Stucken, MD; Matthew M. Hanasono, MD

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MPCC, Lakeside Level 3, E354

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**Monday, September 11**
- 10:00 am - 11:00 am
  - Endocrine Surgery
  - Head and Neck Surgery
- 2:30 pm - 3:30 pm
  - Business of Medicine/Practice Management
  - Facial Plastic and Reconstructive Surgery
  - Laryngology/Broncho-Esophagology
  - Rhinology/Allergy

**Tuesday, September 12**
- 9:45 am - 10:45 am
  - General Otolaryngology
  - Pediatric Otolaryngology
  - Sleep Medicine
- 2:15 pm - 3:15 pm
  - Otology/Neurotology
  - Patient Safety and Quality Improvement
Business of Medicine/Practice Management

SP 100 Analysis of Research Personnel Needs in Otolaryngology
Frank G. Ondrey, MD, PhD

SP 101 Cost Analysis: Percutaneous Endoscopic Gastrostomy and Tracheotomy
William R. Bond, MD, MBA; George Washington, MD; Gezzer Ortega, MD, MPH

SP 102 Financial Feasibility of Tele-Nasolaryngoscopy
Lauren Miller; Bert W. O’Malley, MD

SP 103 Mega Goiters: Analysis of Cost of Providing Surgical Care
William R. Bond, MD, MBA; George Washington, MD; Gezzer Ortega, MD, MPH; Ernest M. Myers, MD

SP 104 Telemedical Fitting of Cochlear Implantation Patients in Kyrgyzstan
Piotr H. Skarzynski; Maciej Ludwikowski, MBA; Adam Walkowiak, PhD, MSc; Henryk Skarzynski, MD, PhD

Endocrine Surgery

SP 105 Carotid Blowout Following Tyrosine Kinase Inhibitor Therapy for Thyroid Cancer
Sharon Lin, MD; Orly M. Coblens, MD; Arnaud Bewley, MD

SP 106 Case Report of Multiple Thyroid Abnormalities and Papillary Thyroid Carcinoma
Steven B. Micucci, MD; Brian Song, MD; Deepak Gurushanthaiah, MD

SP 107 Ectopic Thyroid Presenting as Supraclavicular Mass
Daniel P. Ballard, MD; Eli Gordin, MD; Prayag Patel, MD; Hamid Arjomandi, MD; George Fenzl, Jr., MD

SP 108 Effect of Bevacizumab on Thyroid Volume and Vascularity
Aaron M. Smith, MD; Courtney Shires, MD; Christopher Vanison, MD; John Boughter, PhD; Vikrum Thimmappa, MD; Merry Sebelik, MD

SP 109 Extramedullary Plasmacytoma of the Thyroid Gland
Phillip K. Pellitteri, DO; James Biery

SP 110 Functional Inferior Laryngeal Paraganglioma
Tsung-yen Hsieh, MD; Raj Dedhia, MD; Arnaud Bewley, MD

SP 111 Giant Parathyroid Adenoma: It’s Huge
Shayanne A. Lajud, MD; Fernando Morell, MD; Enrique Gorbea; Yamil Castillo, MD

SP 112 Hurthle Cell in Thyroid Fine-Needle Aspiration and Associated Malignancy Risk
Yin Ren, MD, PhD; Natalia Kyriazidis, MS; Dipti Kantani, MD; Nicole Torchia; William Faquin, MD, PhD; Gregory Randolph, MD
SP 113  Low Grade Thyroid Neoplasm with Anaplastic Features
        Daniel B. Noel, MD; Jan Kasperbauer, MD; Michael Rivera, MD; Marius Stan, MD

SP 114  Outcomes and Prognostic Factors in T4a Thyroid Cancer
        Manki Chung, MD; Ji-Eun Choi, MD; Heejeong Kim, MD

SP 115  Predicting Vocal Cord Recovery Using Variations in Intraoperative Nerve Monitoring
        Vaninder K. Dhillon, MD; Ralph P. Tufano, MD, MBA

SP 116  Radioactive Iodine in Differentiated Thyroid Cancer
        Ryan Orosco, MD; Julia Noel, MD; Yu-Jin Lee; Timon Hussain, MD; David Chang, PhD, MBA, MPH; Vasu Divi, MD; Lisa A. Orloff, MD

SP 117  Reliability of Non–Ultrasound-Guided Fine-Needle Aspiration in a Developing Nation
        Keshav Grover, DO, MS; Winston Jadusingh, PhD, MBBS; James Valenti, PhD; Samba SR. Bathula, MD

SP 118  Sclerosing Mucoepidermoid Carcinoma of the Thyroid Gland
        Adam L. Honeybrook, MD; Liana Puscas, MD; Matthew G. Crowson, MD; Russel Kahmke, MD; Ramon Esclamado, MD, MS

SP 119  Significance of Prophylactic Central Neck Dissection in Hemithyroidectomy for Papillary Thyroid Carcinoma
        In Sik Kim, MD; Hyung Joon Yoon, MD; Hong Dae Kim, MD; Yong Bae Ji, MD, PhD; Chang Myeon Song, MD, PhD; Kyung Tae, MD, PhD

SP 120  Thyrotoxicosis Post Total Thyroidectomy
        Nima Vahidi; Anita Jeyakumar, MD, MD; William Magdycz, MD

SP 121  Utilization Rates of Head and Neck Ultrasound 2012-2014
        Merry Sebelik, MD; Amy Chen, MD, MPH; Aaron M. Smith, MD

SP 122  Vocal Cord Assessment for Endemic Goiter Surgery
        Merry Sebelik, MD; Aaron M. Smith, MD; Jagdish K. Dhingra, MBBS; Jeremiah Tracy, MD

Facial Plastic and Reconstructive Surgery

SP 123  3D Printing and Facial Trauma
        Phillip Lee, MD; Aaron Prussin, MD; Alison Crum, MD; Edward P. Quigley, MD, PhD

SP 124  3D Printing and Preoperative Planning in Acute Midface Trauma
        Jeffrey A. Dorrity, MD; Rick Odland, MD, PhD

SP 125  A Novel Approach to Columellar Reconstruction in a Child
        Andrew R. Scott, MD; Kofi Boahene, MD
SP 126  ACell Xenografts for Repair of Head and Neck Defects
Zao Yang, MD; Timothy Lian, MD, MBA

SP 127  Craniofacial Fibrous Dysplasia: Surgical Treatment
Clayson Alan Santos; Bruno Henrique Oliveira; Douglas Salmazo Morales, PhD; Marcia Maria Gouveia, PhD; José Lemos, PhD; Ricardo F. Bento, MD, PhD

SP 128  Effects of Rhinoplasty Technique on Nasal Tip Projection
Auddie Sweis, MD; Kenneth Andrews, MD; Brian Sweis; Dean M. Toriumi, MD

SP 129  Effects of Venous Ensheathment on Rat Facial Nerve Repair
Pei Chen, MD; Christopher Knox; Linli Yao, MD; Chunli Li, MD; Tessa Hadlock, MD

SP 130  Evaluating Facial Plastic Surgery Mobile Applications
Wanda Lai; Hani Rayess, MD; Peter Svider, MD; Jean Anderson Eloy, MD; Giancarlo Zuliani, MD; Michael Carron, MD

SP 131  Histologic and Thermal Study of Ultrasonic Dermabrasion
Bradley J. Petty, MD; Aaron M. Smith, MD; Wafi Bibars, MD; Tejesh Patel, MD; Milton Randall, MD; Merry Sebelik, MD; Phillip Langsdon, MD

SP 132  LeFort Fractures and Arterial Injuries
Thomas Alexander McKnight, MD; Brian Downs, MD

SP 133  Minne Ties: 'Napkin Sketch' to Market: A Case Study
Alan W. Johnson, MD, MS

SP 134  Palate Reconstruction with the ALT Free Flap
Rhorie Kerr, MD

SP 135  Physical Therapy in Chronic Facial Nerve Paralysis
Emily E. Karp; Emily Waselchuk, MD; Cynthia Landis; Sofia Lyford-Pike, MD

SP 136  Remote Ischemic Conditioning in a Rat Hind Limb Model
Susannah C. Orzell, MD, MPH; Manisha Mangla, MBBS; Larissa Assam; Jesse Ryan, MD

SP 137  Repair of Stensen’s Duct with Microvascular Vein Grafting
Shiayin Yang, MD; Amy Pittman, MD; Jeffrey Weishaar, MD

SP 138  Resection and Reconstruction of AVM in Maxillary Region
Augusto RIEDEL. Abrahao, MD; Bruna Natalia Freire. Ribeiro, MD; Marcio Abrahao, MD, PhD; Fabio de Freitas Busnardo, MD, PhD; Dov Goldenberg, MD, PhD

SP 139  Synkinesis and Timing of Physical Therapy in Bell’s Palsy
Emily E. Karp; Emily Waselchuk, MD; Cynthia Landis; Sofia Lyford-Pike, MD
POSTERS

SP 140  **The Horn Technique for Nasal Tip Support in Rhinoplasty**  
Luiz Carlos de Melo Barboza, Jr., MD, PhD;  
Maira G. Martins, MD; Carlos Alberto Caropreso, MD, PhD;  
José Luiz Teixeira Rodrigues, MD;  
André Baraldo Rodrigues, MD

SP 141  **The Submental Flap For Reconstruction Following Transoral Robotic Surgery**  
Blair Barton, MD; Charles A. Riley, MD;  
Christian Hasney, MD; Brian A. Moore, MD;  
Thomas Flowers, MS

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Shilpa S. Vishwanath, MD; Rusha Patel, MD

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