AAO-HNSF
ANNUAL MEETING
& OTO EXPO SM
SEPTEMBER 18-21, 2016
SAN DIEGO, CA

FINAL PROGRAM

SIGN UP IN THE
SAILS PAVILION

Value 4U
You care for patients. We care for YOU.

AMERICAN ACADEMY OF
OTOARYNGOLOGY—
HEAD AND NECK SURGERY
FOUNDATION
Experience the ENT clinical data registry at the Regent℠ booth in the Sails Pavilion.

HARNESS THE POWER OF DATA

Stop by the Regent℠ Miniseminar on Sunday Immediately Following the Opening Ceremony

The Future Is Now, Regent℠: The First Otolaryngology-Specific Clinical Data Registry

Sunday, September 18
San Diego Convention Center, Ballroom 20
9:45 am - 11:30 am

Regent℠ will become the foundation for

- Quality Reporting
- Defining Quality
- Quality Improvement
- Clinical and Product Research
- Support for Maintenance of Certification and Licensure

Execute your contract by September 30 for free one-year access and to qualify for 2016 PQRS reporting!

Experience the ENT clinical data registry at the Regent℠ booth in the Sails Pavilion.
On behalf of the Boards of Directors, it is with great pleasure that I welcome you to AAO-HNSF’s 2016 Annual Meeting & OTO EXPO℠ in San Diego, California. This conference provides a unique opportunity to build and renew relationships with colleagues from around the world.

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 San Diego and this premier education and networking event for the otolaryngologist–head and neck surgery community.

Sincerely,

Sujana S. Chandrasekhar, MD
AAO-HNS/F President

PRESIDENT’S RECEPTION

Join Sujana S. Chandrasekhar, MD and Kris Ramanathan

Sunday, September 18, 6:00 pm – 7:30 pm
SDCC, Center Terrace
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Opening Ceremony Featuring Mae C. Jemison, MD (keynote speaker)
Education Program
International Symposium
H. Bryan Neel III MD, PhD Distinguished Research Lecture
President’s Reception

63 Monday, September 19
Day-at-a-Glance
Education Program
International Symposium
AAO-HNSF/International Hearing Foundation/Michael M. Paparella, MD Endowed Lecture for Distinguished Contributions in Clinical Otology
Legends in Otolaryngology Lecture
Meet the Scientific Poster Authors
Otolaryngology History and Archives Meeting

95 Tuesday, September 20
Day-at-a-Glance
Education Program
International Symposium
Eugene N. Myers, MD International Lecture on Head and Neck Cancer
John I. Conley, MD Lecture on Medical Ethics
Meet the Scientific Poster Authors
Alumni Receptions
International Reception (by invitation)

129 Wednesday, September 21
Day-at-a-Glance
Education Program
International Symposium

141 SCIENTIFIC POSTERS
175 EXHIBITORS

MEETING REGISTRATION
San Diego Convention Center, Ground Level, Lobby D

Saturday, September 17  8:00 am – 5:00 pm
Sunday, September 18  7:00 am – 5:00 pm
Monday, September 19  7:00 am – 5:00 pm
Tuesday, September 20  7:00 am – 5:00 pm
Wednesday, September 21  7:00 am – 10:30 am
GET SOCIAL @ AAO-HNSF

FREE WiFi
in the convention center will help you stay connected this week.
Select the OTO 2016 network.

CONNECT WITH YOUR COLLEAGUES AT THE ANNUAL MEETING!

Follow Us! @AAOHNS. Tweet about your 2016 Annual Meeting & OTO EXPO™ experience using #OTOMTG16.

Check out the AAO-HNS/F Facebook page at facebook.com/AAOHNS to connect with other attendees and share your 2016 Annual Meeting experiences.

Join the members-only open forum at www.entnet.org/ENTConnect to connect with your peers, participate in timely discussions, and build your Academy community network.

Subscribe to the AAO-HNS/F YouTube Channel at www.entnet.org/youtube for Academy video offerings.

We heard your suggestions for improving the Annual Meeting, and we’ve made significant changes.

Keep the conversation going!

Be sure to include #OTOMTG16 in your social media posts to add your message to the online conversation about the meeting.

Search for #OTOMTG16 in your social media feeds to see what others are saying.
As a new component of the world-class education program, the AAO-HNSF International Symposium showcases cutting-edge content presented by international physicians. Providing a global perspective of popular topics in otolaryngology, this non-CME program will enlighten the entire community and offer high visibility to international presenters.

San Diego Convention Center, Room 31BC

SUNDAY - TUESDAY
10:00 am – 5:45 pm

WEDNESDAY
8:45 am – 12:00 pm

A Warm Welcome to Our
2016 International Guests of Honor from

Brazil
India
Nicaragua
Singapore
### TELEPHONE DIRECTORY

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### OFFICIAL HOTELS

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<td>Bristol Hotel</td>
<td>1055 1st Avenue</td>
<td>1-619-232-6141</td>
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<tr>
<td>Courtyard by Marriot San Diego</td>
<td>530 Broadway</td>
<td>1-619-446-3000</td>
</tr>
<tr>
<td>Embassy Suites San Diego Bay</td>
<td>601 Pacific Highway</td>
<td>1-619-239-2400</td>
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<td>Hard Rock Hotel San Diego</td>
<td>207 5th Avenue</td>
<td>1-619-702-3000</td>
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<tr>
<td><strong>Hilton Bayfront</strong></td>
<td><strong>One Park Boulevard</strong></td>
<td><strong>1-619-564-3333</strong></td>
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<tr>
<td>Hilton San Diego Gaslamp Quarter</td>
<td>401 K Street</td>
<td>1-619-234-4040</td>
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<tr>
<td>Hilton Solamar</td>
<td>435 6th Avenue</td>
<td>1-619-819-9500</td>
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<tr>
<td>Horton Grand</td>
<td>311 Island Avenue</td>
<td>1-619-544-1886</td>
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<tr>
<td>Manchester Grand Hyatt San Diego</td>
<td>One Market Place</td>
<td>1-619-234-1234</td>
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<td>Marriott Gaslamp Quarter</td>
<td>660 K Street</td>
<td>1-619-696-0234</td>
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<td>Marriott Marquis &amp; Marina</td>
<td>333 West Harbor Drive</td>
<td>1-619-234-1500</td>
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<td>Omni San Diego Hotel</td>
<td>675 L Street</td>
<td>1-619-231-6664</td>
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<tr>
<td>Renaissance San Diego (Formerly W Hotel)</td>
<td>421 West B Street</td>
<td>1-619-398-3100</td>
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<td>Residence Inn San Diego Downtown/Gaslamp Quarter</td>
<td>356 6th Avenue</td>
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<td>The Sofia Hotel</td>
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<td>The US Grant</td>
<td>326 Broadway</td>
<td>1-619-232-3121</td>
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<td>400 West Broadway</td>
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<tr>
<td>The Westin San Diego, Gaslamp Quarter</td>
<td>910 Broadway Circle</td>
<td>1-619-239-2200</td>
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All AAO-HNS/F events will take place at the **San Diego Convention Center (SDCC)** and the **Hilton Bayfront**.

**SDCC**  
111 West Harbor Drive  
San Diego, CA 92101  

**Hilton Bayfront**  
One Park Boulevard  
San Diego, CA 92101
AAO-HNS Member Resource Center
SDCC, Upper Level, Sails Pavilion
Visit the AAO-HNS Member Resource Center to become a member, renew your membership dues, and get quick answers to your conference questions. A satellite Membership counter will be open on Saturday, September 17 in the Registration area.

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<tr>
<td>Sunday, September 18</td>
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Product Theater
SDCC, OTO Experience, Booth 217
The Product Theater is designed to enhance your product awareness. Don’t miss these presentations from our corporate partners about their products and services. Seating is limited to 150 attendees per showcase.

Sunday, September 18
12:00 pm - 1:00 pm
The Role of Robotics in Contemporary Head & Neck Surgery
Sponsored by: Intuitive Surgical

2:00 pm - 3:30 pm
Medrobotics Flex® Robotic System
Sponsored by: Medrobotics Corporation

Monday, September 19
10:00 am – 11:30 am
LINX A New Paradigm in the Treatment of GERD
Sponsored by: Torax Medical, Inc.

12:00 pm - 1:30 pm
Treatment of Acute Otitis Media Tympanostomy Tubes: Simplified
Sponsored by: Arbor Pharmaceuticals, Inc.

2:30 pm - 3:30 pm
A Turnkey Balance Program for Otolaryngologists
Sponsored by: FYZICAL, LLC

Tuesday, September 20
12:30 pm - 1:30 pm
Panel Discussion: An Update on Topical Local Anesthetics
Sponsored by: Lannett Company, Inc.
AcademyU® Learning Center
SDCC, Upper Level, Sails Pavilion
While at the 2016 Annual Meeting & OTO EXPO℠, visit the AcademyU® Learning Center to learn more about education opportunities that the AAO-HNS Foundation has to offer and purchase Annual Meeting session recordings. Staff will be available to demonstrate all of the Foundation education products, answer your questions, and listen to suggestions.

Accessibility
The American Academy of Otolaryngology—Head and Neck Surgery Foundation (AAO-HNSF) complies with the Americans with Disabilities Act §12112(a). Any participant in need of special assistance or dietary restrictions, please visit the Lobby D registration area to ensure that your needs are accommodated.

Affiliate Meetings
A listing of events held in conjunction with the AAO-HNSF Annual Meeting & OTO EXPO℠ begins on page xx and is searchable in the Annual Meeting mobile app. Download the app at www.entnet.org/annual_meeting.

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

Business Center
SDCC, Ground Level, Lobby D Fedex Office
This full-service business center provides exhibitors and attendees with photocopying, faxing, and printing services. It will be open during the following times:

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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.entnet.org/annual_meeting, or use the Annual Meeting mobile app. The CME/Conference evaluation online site will close on October 21, 2016.
GENERAL INFORMATION

**Meeting Daily**

*Keep it in Hand — Paper and Digital*

The Meeting Daily family of news products covers all the AAO-HNSF 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 SDCC.

Go directly to **online Meeting Daily** on any device: [http://aao-365.ascendeventmedia.com/](http://aao-365.ascendeventmedia.com/)

Make use of the FREE WiFi in the SDCC to connect to the Meeting Daily at [www.entnet.org/annual_meeting](http://www.entnet.org/annual_meeting).

**WiFi at the Convention Center:**

Select **OTO 2016** network

**Download the Mobile App**

Download the AAO-HNSF 2016 Annual Meeting & OTO EXPO℠ mobile app!

**PLAN YOUR SCHEDULE**

**VIEW SESSION DESCRIPTIONS**

**READ SPEAKER BIOS & MORE**

Search ‘**OTO 2016**’ in the App Store or Google Play
Coat and Luggage Check
SDCC, Ground Level, Lobby E
$3.00 per item checked.

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Committee Meetings
Please refer to page 24 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. For up to the minute conference information, download the mobile app at www.entnet.org/annual_meeting.

Computer Stations
SDCC, Upper Level, Sails Pavilion
Complete your conference and session evaluations at the Computer stations available in the Sails Pavilion.

Corporate Satellite Symposia

Corporate Satellite Symposia provide attendees with information on specific areas of otolaryngology. Program content and/or product information are the sole responsibility of the corporate supporter. The AAO-HNS/F does not award continuing education credit for Corporate Satellite Symposia. Visit the registration area for an up-to-date listing of Corporate Satellite Symposia.

Monday, September 19
6:00 pm - 8:00 pm, Indigo Ballroom AB
Advancing Pharmacotherapy for Tinnitus
Sponsored by: Auris Medical

6:00 pm - 10:00 pm, Music Box, 1337 India Street, San Diego, CA
Experience: Transforming How Sinusitis Care is Delivered
Sponsored by: Entellus Medical

6:30 pm - 10:00 pm, Hilton Bayfront, Sapphire Ballroom Terrace
Synchronicity: Advances in Frontal Sinus Surgery
Sponsored by: Intersect ENT, Inc.

Tuesday, September 20
6:00 pm - 8:00 pm, Hilton Bayfront, Indigo Ballroom A
Practice-and Payer-Perspectives on a Thermosensitive, Single-dose, Ciprofloxacin Otic Suspension in Pediatric Patients Undergoing Tube Placement
Sponsored by: Otonomy, Inc.
GENERAL INFORMATION

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!
SDCC, Ground Level, OTO Experience, Booth 549
Employers and job seekers will have an opportunity to take part in ENT Careers Live!, our employment event during the Annual Meeting & OTO EXPO℠. Don’t miss this valuable networking opportunity at Booth 549 on the OTO Experience floor in the SDCC. To learn more about the trusted otolaryngology employment source, visit www.healthecareers.com/aaohns.

First Aid
SDCC, Ground Level, Lobby E Box Office
First Aid is available on a 24-hour basis. Dial 6226 on any house phone or 1-619-525-6226 from an external line to reach the attendant.

Shuttle Bus Pass
Attendees who reserve their hotel room through AAO-HNSF Housing receive a shuttle pass entitling them to ride the shuttle between AAO-HNSF official hotels and the SDCC at no additional cost. The shuttle pass is required to be displayed on your return trip from the SDCC to your hotel. Shuttle passes can be purchased for $125 per person at the Shuttle Pass counter in Ground Level, Lobby D.

Opening Ceremony Keynote Speaker
Sunday, September 18
SDCC, Ballroom 20, 8:30 am - 9:30 am
The Opening Ceremony of the AAO-HNSF Annual Meeting & OTO EXPO℠ will feature former astronaut Mae C. Jemison, MD, as keynote speaker.

An engineer, physician, and educator, Dr. Jemison traveled on the Space Shuttle Endeavour STS-47. Hear her adventures in space and achievements in medicine and science.
Global Connections Lounge
SDCC, Upper Level, Room 22
We extend a special welcome to leaders of the 54 International Corresponding Societies (ICS) and invite them to special invitation only events. 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
SDCC, Ground Level, OTO Experience, Booth 2738
Hands-on Demonstration and Training Labs are supported by the corporate community in conjunction with the AAO-HNSF Annual Meeting & OTO EXPO℠. 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/Medical Education Provider.

Sunday, September 18
2:00 pm - 4:00 pm
Sponsored by: Acclarent, Inc. Family of Johnson & Johnson Companies

Monday, September 19
10:30 am - 12:30 pm
Sponsored by: Olympus America, Inc.

Tuesday, September 20
9:30 am - 11:30 am
Injection Augmentation for Glottic Insufficiency
Sponsored by: Merz North America

International Registration Assistance
SDCC, Ground Level, Lobby E
International Registration Assistance is geared towards international attendees seeking to print certificates of attendance, find out about conference sessions and activities with a global perspective, and access resources about San Diego. Multilingual staff and materials will be available to assist you.

Lunch with the Experts
SDCC, Ground Level, OTO Experience, Booth 2054
Debuting this year, Lunch with the Experts will provide an opportunity for conference attendees to interact with otolaryngology legends. Held in the lunch area of the OTO Experience, an intimate atmosphere will be created for peer exchange and discussion.
GENERAL INFORMATION

Millennium Society Donor Appreciation Lounge
SDCC, Upper Level, Sails Pavilion
The Foundation is pleased to offer all donors who are part of the Millennium Society, EXCLUSIVE access to a special donor appreciation lounge. The lounge provides a quiet area to take a break, recharge both yourself and your electronic devices, check messages, connect with colleagues and enjoy light meals or refreshments. Not part of the Millennium Society? Visit the lounge and make a donation onsite today to begin taking immediate advantage of the Millennium Society lounge and other EXCLUSIVE benefits. The lounge will be available:

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Newsroom
SDCC, Mezzanine Level, Room 17B
The Newsroom serves as a workspace for credentialed members of the media. The Newsroom will be available:

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Nursing Mothers' Lounge
SDCC, Ground Level, Lobby E
A nursing mothers' lounge has been designated at the SDCC to enable new mothers to nurse or pump in a comfortable and private area. Located in the restroom near Hall E, the room is equipped with a private area for nursing mothers and power outlets.

OTO Experience
SDCC, Ground Level, Halls D-H
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. Exhibits will be open:

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<td>Tuesday, September 20</td>
<td>9:30 am - 3:30 pm</td>
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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 a booth, your name, address, phone number, and email address will be provided to that exhibitor.

Otolaryngology—Head & Neck Surgery Meetings and Workshops
SDCC, Ground Level, Lobby E
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
Hilton Bayfront, Promenade Sidewalk
Monday, September 19, 6:00 am - 7:00 am
Bronze sponsor: Karl Storz
Join us for the inaugural OTOs on the Run 5K in San Diego, CA! All participants will receive a shirt, a runner’s bib, and post-race nourishment. Visit the kiosk in the Registration Area, San Diego Convention Center, to join the run. Runner’s shirts may be limited.

Prayer and Reflection Room
SDCC, Upper Level, Room 27B
This place of peace and quiet is provided for all faiths. Please respect others and refrain from using laptops or cell phones, from eating, drinking, or loitering in this area.

Publication Kiosks
SDCC, Lobby D
The Publication Kiosk displays complimentary copies of Meeting Daily and ENT & Audiology News.

CALL FOR PAPERS 2017 DEADLINES

Instruction Courses, Miniseminars, and the International Symposium
Submissions Open: Monday, November 14, 2016
Submissions Close: Monday, January 2, 2017

Scientific (Oral & Poster) and Masters of Surgery Video Presentations
Submissions Open: Monday, January 6, 2017
Submissions Close: Monday, February 6, 2017
Radio Frequency Identification
AAO-HNS/F made completing your meeting evaluation easier for you! This year, 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 each 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 as well. We hope you enjoy this valuable service.

Refund Policy
There will be a 25 percent processing fee on all conference registration cancellations received in writing on or before July 8, 2016. All other cancellation requests must be received in writing on or before August 12, 2016, in order to be eligible for a 50 percent refund. No refunds will be processed if cancellation is received after August 12, 2016 and refunds will not be given for no-shows.

Pre-Conference Workshop registration requests must be received in writing on or before August 12, 2016, in order to be eligible for a 50 percent refund. No refunds will be processed if cancellation for a Pre-Conference Workshop is received after August 12, 2016. All refunds will be processed within 30 days following the 2016 Annual Meeting & OTO EXPO℠.

Regional Caucuses (by invitation)
Delegates from Africa, 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.

Simulation Zone
SDCC, Ground Level, OTO Experience, Hall D
Medical simulation is the modern-day methodology for training healthcare professionals through the use of advanced technology. Here a collection of medical simulation devices will be clustered to hone physicians’ skills.
Smoking Policy
Smoking is prohibited in all areas of the SDCC.

Speaker Ready Room
SDCC, Upper Level, Sails Pavilion
Speakers are required to visit the Speaker Ready Room at least 24 hours before their presentation. The Speaker Ready Room will be open:

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<td>Wednesday, September 21</td>
<td>6:30 am – 11:30 am</td>
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Submission of Manuscripts to Otolaryngology–Head and Neck Surgery
All papers read before the AAO-HNSF Annual Meeting & OTO EXPO℠ 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 conference, provided that the Otolaryngology–Head and Neck Surgery journal is cited. Contact otomanager@entnet.org for more details.

Wheelchairs and Motorized Scooters
SDCC, Ground Level, Lobby D, Registration Assistance Counter
Wheelchairs and motorized scooters are available and can be reserved at the Registration Assistance counter. Proper identification is required.

Women in Otolaryngology Sunrise Yoga
Hilton Bayfront, Promenade Pavilion
Sunday, September 18, 6:00 am - 7:00 am
Sponsored by: Oticon Medical, LLC & Oticon Inc.
Join your colleagues Sunday morning for an enlightening yoga experience that will help you prepare for the upcoming days of education.
Instruction Courses

Instruction Course sessions address current diagnostic, therapeutic, and practice management topics, presented by both Academy members and non-members.

Instruction Courses are offered in the following formats:

- **Didactic Lecture** – Course will be presented in a large-audience lecture setting.
- **Audience Polling** – Presentations include the opportunity for audience members to respond to polling questions.
- **Hands-On** – Hands-On courses are classroom set and limited to 40 participants.
- **Mini-Course** – Mini-Courses are conference set promoting informal discussion and the exchange of information. These courses will be limited to 25 participants.

International Symposium

Providing a global perspective of popular topics in otolaryngology, this non-CME program will enlighten the entire community and offer high visibility to international presenters.

Scientific Posters

**SDCC, Upper Level, Sails Pavilion**

Scientific Posters will be located in the Sails Pavilion of the SDCC and can be viewed Sunday, September 18 through Tuesday, September 20.

<table>
<thead>
<tr>
<th>Date</th>
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<tbody>
<tr>
<td>Sunday, September 18</td>
<td>7:00 am – 5:00 pm</td>
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<td>Monday, September 19</td>
<td>7:00 am – 5:00 pm</td>
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<tr>
<td>Tuesday, September 20</td>
<td>7:00 am – 3:00 pm</td>
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Meet the Scientific Poster Authors

SDCC, Upper Level, Sails Pavilion

NEW THIS YEAR! 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 19
10:00 am - 11:00 am
Otology/Neurotology International
Patient Safety and Quality Improvement

2:30 pm - 3:30 pm
Endocrine Surgery
Head and Neck Surgery

Tuesday, September 20
9:45 am - 10:45 am
Rhinology/Allergy
Facial Plastic and Reconstructive Surgery
Laryngology/Broncho-Esophagology
Business of Medicine/Practice Management

2:15 pm - 3:15 pm
General Otolaryngology
Pediatric Otolaryngology
Sleep Medicine

Scientific Program


- **Miniseminars** – Presentations, case studies, and/or interactive discussions provide an in-depth, state-of-the-art look at specific topics.

- **Scientific Oral Presentations** – A series of five-minute oral presentations that focus on cutting-edge clinical and translational basic research aspects of otolaryngology. A ‘Best of Orals’ session will take place 10:00 am Sunday in the SDCC, room 31A.

- **Masters of Surgery Video Presentations** – Video lecture of procedures (neck dissection, skull base surgery, etc.) in 8-10 minute video time slots. A 60-minute time slot should include six video lectures.

- **Scientific Posters** – Over 350 posters will be on display in the Sails Pavilion from Sunday to Tuesday.
GENERAL INFORMATION

ACCREDITATION AND CONTINUING EDUCATION

Target Audience
The AAO-HNSF 2016 Annual Meeting & OTO EXPO℠ 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.

AAO-HNSF designates this live activity for AMA PRA Category 1 Credit™. Physicians should claim credit commensurate with the extent of their participation in the activity.

- Education Program: maximum 22 credits
- Guest Lectures: maximum 4 credits
- Meet the Scientific Poster Authors Sessions: maximum 4 credits
- AAO-HNS/F Hands-On Salivary Gland Endoscopy Course: maximum 8 credits

While not all sessions are eligible for AMA PRA Category 1 Credit™, total number of credits a participant can earn is 26. Credit will be awarded to physicians when documented by the submission of the 2016 Annual Meeting & OTO EXPO℠ Evaluation.

The Foundation is not accredited to offer credit to non-physicians. To determine if activities designated for AMA PRA Category 1 Credit™ are acceptable for your licensing or certification needs, please contact your credentialing body directly. The following education activities are NOT designated for AMA PRA Category 1 Credit™:

- International Symposium
- Lunch with the Experts
- The Business of Medicine-Changing Landscapes (Sponsored by the Association of Otolaryngology Administrators)

COMPLIMENTARY COFFEE BREAKS IN THE OTO EXPERIENCE

Sunday, September 18, 2:00 pm  
Sponsored by: Otonomy, Inc.

Monday, September 19, 10:00 am  
Sponsored by: Arbor Pharmaceuticals

Tuesday, September 20, 9:45 am  
Sponsored by: Arbor Pharmaceuticals
Annual Meeting & OTO EXPO℠ Purpose

The AAO-HNSF 2016 Annual Meeting & OTO EXPO℠ 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 EXPO℠ program 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. At the conclusion of the Annual Meeting & OTO EXPO℠, 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.

Workshops

AMA PRA Category 1 Credit™ for the ACS Ultrasound Course: Thyroid and Parathyroid Ultrasound Skills-Oriented Course will be delivered directly from the accredited provider not the AAO-HNSF.

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).
GENERAL INFORMATION

Program Advisory Committee
The Program Advisory Committee is in charge of reviewing and evaluating the merits of all Miniseminars, Scientific Oral Presentations, and Scientific Poster abstracts submitted during the call for papers. The committee members advise and assist the coordinator in organizing the Scientific Program.

Eben L. Rosenthal, MD
Coordinator, Scientific Program
No relationship to disclose

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

Bill Blythe, MD
No relationship to disclose

Benjamin B. Cable, MD
No relationship to disclose

Emiro E. Caicedo Granados, MD
No relationship to disclose

Sukgi S. Choi, MD
No relationship to disclose

H. Peter Doble II, MD
No relationship to disclose

Umamaheswar Duvvuri, MD
No relationship to disclose

Charles A. Elmaraghy, MD
No relationship to disclose

Philip A. Harris, MD
No relationship to disclose

Amanda Hu, MD
No relationship to disclose

Jennifer C. Kim, MD
No relationship to disclose

Brian J. McKinnon, MD, MBA
Consultant: Cochlear America
Research Grant: Med-EL; Oticon Medical

Cherie-Ann O. Nathan, MD
No relationship to disclose

Urjeet Patel, MD
No relationship to disclose

Michael D. Seidman, MD
Consultant: Body Language
Vitamin Company

Russell B. Smith, MD
Consultant: ArthoCare

Mark J. Syms, MD
Shareholder and Pension Plan: Cochlear Corporation; Sonar Corporation

Dana M. Thompson, MD, MS
No relationship to disclose

Doug Trask, MD
No relationship to disclose

Frank Virgin, MD
No relationship to disclose

Mark K. Wax, MD
No relationship to disclose

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

ACCESS THE CONFERENCE EVALUATION
There are many ways you can access the Conference Evaluation:

- Download the Annual Meeting Mobile Application
- Visit the Computer Stations located in the Sails Pavilion
- Access the evaluation website on your personal computer, laptop, or smartphone: www.entnet.org/annual_meeting
Instruction Course Advisory Committee
The Instruction Course Advisory Committee is in charge of reviewing and evaluating the merits of all Instruction Course abstracts submitted during the call for papers. The committee members advise and assist the coordinator in organizing the Instruction Course program.

Sukgi S. Choi, MD
Coordinator, Instruction Course Program
No relationships to disclose

Paolo Campisi, MD
Ownership interest (stock): Oto Sim, Corporation

Kenny H. Chan, MD
No relationships to disclose

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

Joseph Han, MD
Consultant: Intersect ENT; Medtronic; Merk

Brandon Isaacson, MD
Consultant: Medtronic Midas Rex Institute; Advanced Bionics; Stryker, Inc
Course Instructor: Medtronic Midas Rex Institute
Medical Advisory Board: Advanced Bionics
Honoraria: Stryker, Inc.

J. Randall Jordan, MD
No relationships to disclose

Todd T. Kingdom, MD
No relationships to disclose

James Lin, MD
No relationships to disclose

Catherine R. Lintzenich, MD
No relationships to disclose

Lance A. Manning, MD
No relationships to disclose

Ron B. Mitchell, MD
No relationships to disclose

Karen T. Pitman, MD
No relationships to disclose

Edmund A. Pribitkin, MD
Consultant: Stryker, Inc.

Clark A. Rosen, MD
Consulting Fee: Merz Aesthetic, Inc.
Speakers Bureau: Merz Aesthetic, Inc.

Eben L. Rosenthal, MD
No relationships to disclose

Brent A. Senior, MD
Speaker/Honoraria: Genentech; Karl Storz; Stryker
Consultant: Intersect ENT; Laurimed; Medtronic; Olympus; Sinuwave

William H. Slattery III, MD
Stockholder: House Ear Clinic
CEO & Stockholder: O’Ray Pharma
Medical Advisory Board: Cochlear Corporation

Jeffrey H. Spiegel, MD
No relationships to disclose

Brendan C. Stack, Jr., MD
No relationships to disclose

Jeffrey S. Wolf, MD
No relationships to disclose

Kathleen Yaremchuk, MD, MSA
No relationships to disclose

Complete faculty disclosure information can be found online in the conference schedule at www.entnet.org/annual_meeting.
CONGRATULATIONS TO THE 2016 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:

Hosakere K. Chandrasekhar, MD
Karen J. Doyle Enright, MD, PhD
House Ear Institute & House Clinic
Lauren S. Zaretsky, MD

DISTINGUISHED AWARD FOR HUMANITARIAN SERVICE

This 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: Wayne Koch, 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: Susan D. McCammon, 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: John M. Carter, 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: C. Ron Cannon, MD
IT’S MORE THAN AN EXPO – IT’S A ONE-OF-A-KIND EXPERIENCE: IT’S THE OTO EXPERIENCE!

Combining products, services, networking, and supplemental education all in one place, the OTO Experience is not to be missed.

- More than 250 exhibiting companies
- ENT Connect Portrait Studio
- Hands-on Demonstration and Training Lab
- NEW! Lunch with the Experts (SOLD OUT)
- Networking Opportunities
- Product Theater
- NEW! Simulation Zone

San Diego Convention Center
Ground Level, Halls D-H

Sunday, September 18 9:30 am – 5:00 pm
Monday, September 19 9:30 am – 5:00 pm
Tuesday, September 20 9:30 am – 3:30 pm
The AAO-HNSF would like to thank our 2016 Annual Meeting & OTO EXPO℠ Sponsors and Grant Supporters

Acclarent................................................................. Booth 1825
Arbor Pharmaceuticals, LLC..................................... Booth 1648
Atos Medical............................................................ Booth 1316
Auris Medical AG..................................................... Booth 924
Cook Medical............................................................ Booth 2227
Entellus Medical....................................................... Booth 2114
FYZICAL Therapy & Balance Centers.............. Booths 622 and 624
Health eCareers........................................................ Booth 549
Intersect ENT............................................................ Booth 940
Intuitive Surgical, Inc............................................... Booth 1230
J. Morita USA Inc..................................................... Booth 1126
KARL STORZ Endoscopy America Inc..................... Booth 2124
Lannett Company, Inc.............................................. Booth 1850
Medrobotics Corporation......................................... Booth 2435
Medtronic, Inc.......................................................... Booth 1223
Merz North America................................................. Booth 1604
Modernizing Medicine.............................................. Booth 2327
Officite................................................................. Booth 1840
Olympus America, Inc.............................................. Booth 1805
Oticon Medical........................................................ Booth 1919
Otonomy, Inc......................................................... Booths 816 and 822
OtoSim, Inc............................................................. Booth 616
PENTAX Medical.................................................. Booth 1934
Smith & Nephew..................................................... Booth 1516
Stryker................................................................. Booth 1534
Torax Medical, Inc.................................................. Booth 2705
Zimmer Biomet....................................................... Booth 518
AAO-HNS Business Meeting
Saturday, September 17, 11:15 am - 11:30 am
Hilton Bayfront, Indigo Ballroom AB
The Annual Business Meeting of the Academy membership is held in conjunction with the Annual Meeting. Join your leaders on Saturday, September 17, for this official event with reports from the President, Secretary-Treasurer, and Executive Vice President/CEO.

AAO-HNS Career Fair
Monday, September 19, 6:00 pm – 8:00 pm
Hilton Bayfront, Sapphire Ballroom A-F
The AAO-HNS Career Fair, hosted by ENT Careers and HEALTHeCAREERS Network, will take place on Monday evening at the Hilton Bayfront. 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, HEALTHeCAREERS 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 HEALTHeCAREERS to register and upload your resume! Employers should contact HEALTHeCAREERS to take full advantage of the emerging talent pool.

AAO-HNSF and the Society of Military Otolaryngologists (SMO) Trauma Symposium (pre-registration is required)
Saturday, September 17, 5:00 pm - 9:00 pm
Hilton Bayfront, Indigo Ballroom A
“Terrorism on American Soil: Personal Reflections and Lessons Learned” will be presented. The event, open to both military and civilian attendees, includes presentations from experts, a reception, dinner, and exhibit displays. To pre-register: www.miloto.org

AAO-HNS New Member Orientation
Sunday, September 18, 5:30 pm – 6:00 pm
SDCC, Room 24A
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 EXPO℠ First Time Attendee Orientation
Sunday, September 18, 7:30 am – 8:00 am
SDCC, Room 24BC
The orientation will focus on getting the most out of the Annual Meeting & OTO EXPO℠ to maximize your experience. Gather with your colleagues before the start of the Opening Ceremony to explore the Annual Meeting.
Alumni Receptions
Tuesday, September 20, 6:30 pm – 8:00 pm
Hilton Bayfront, Sapphire Ballroom
Visit with your friends and colleagues from other institutions. This is a can’t miss networking event!

Board of Governors (BOG) General Assembly
Monday, September 19, 5:00 pm – 7:00 pm
SDCC, Room 20D
The BOG is the grassroots member network of the AAO-HNS and is comprised 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, remarks from the Academy’s President, EVP/CEO, and BOG leadership, and candidate speeches for BOG office. Governors or alternate Governors are expected to attend this event, cast their votes 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.

Exhibitor Manager’s Breakfast Meeting
Monday, September 19, 8:30 AM - 9:00 AM
SDCC, Room 27A

Humanitarian Efforts Committee Forum
Sunday, September 18, 1:00 pm - 3:15 pm
SDCC, Room 5B
The Humanitarian Efforts Committee Forum is a gathering that highlights the humanitarian work and partnerships of AAO-HNSF members in the developing world.

International Assembly
Sunday, September 18, 3:30 pm - 5:30 pm
SDCC, Room 5B
International members in attendance are invited to this forum, recognizing the guest country delegates for making awards to the International Visiting Scholars and for leaders of International Corresponding Societies to discuss issues. You will also hear caucus reports from Africa, Europe, the Middle East, Latin America, and the Pacific Rim. No reservation needed!

International Reception (by invitation only)
Tuesday, September 20, 8:00 pm – 10:00 pm
Hilton Bayfront, Sapphire Ballroom A
All registered international attendees and their spouses are invited to this reception, where Academy President Sujana Chandrasekhar, MD, will honor the delegates from our guest countries — Brazil, India, Nicaragua, and Singapore. Celebrate with a D.J., 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 History and Archives Forum
Monday, 1:15 pm - 2:15 pm
SDCC, Room 5B
Join fans of our specialty’s history on Monday for presentations and networking.

President’s Reception
Sunday, September 18, 6:00 pm – 7:30 pm
SDCC, Center Terrace
The President’s Reception is open to all Annual Meeting & OTO EXPO™ 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 20, 7:30 am – 9:30 am
SDCC, Room 20D
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.

Women in Otolaryngology (WIO) Section General Assembly
Monday, September 19, 7:30 am - 9:30 am
SDCC, Room 20D
The WIO Section exists to enhance the careers of women otolaryngologists. Join WIO members and supporters for presentations from AAO-HNS leaders, a keynote speaker, section elections, and presentation of awards.

Young Physicians Section (YPS) General Assembly
Monday, September 19, 2:30 pm – 4:30 pm
SDCC, Room 20D
This event will feature presentations relevant to critical issues facing young physicians. Robert H. Miller, MD, executive director of the American Board of Otolaryngology, will discuss “Maintenance of Certification;” KJ Lee, MD, Hamden, CT, will present “Finances, Investments, and More.” Other highlights include the section election, remarks from distinguished guests, a report from the YPS Chair-Elect, Jeffrey C. Liu, MD, and concluding remarks from YPS Chair Samantha Anne, MD.
AAO-HNS/F COMMITTEES AND MEETINGS

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

2016 Cochrane Scholars (by invitation only)
Sunday, 3:30 PM - 4:30 PM
SDCC, Room 7A

AAO-HNS/F Boards of Directors Meeting
Saturday, 7:30 AM - 11:15 AM
Hilton Bayfront, Indigo Ballroom AB

AAO-HNS Business Meeting
Saturday, 11:15 AM - 11:30 AM
Hilton Bayfront, Indigo Ballroom AB

AAO-HNS/F Executive Committee (by invitation only)
Friday, 5:00 PM - 7:00 PM
SDCC, Room 17A

Adhoc/Alternative Payment Model Workgroup (by invitation only)
Monday, 10:00 AM - 11:00 AM
SDCC, Room 9

Advanced Practice Providers Task Force
Tuesday, 7:00 AM - 8:00 AM
SDCC, Room 2

Advocacy Leadership Luncheon, sponsored by the ENT PAC Board of Advisors (by invitation only)
Monday, 11:30 AM - 1:00 PM
SDCC, Room 27A

Airway and Swallowing Committee
Monday, 10:00 AM - 11:00 AM
SDCC, Room 4

Allergy, Asthma, and Immunology Committee
Tuesday, 9:45 AM - 10:45 AM
SDCC, Room 3

Annual Meeting Program Committee
Tuesday, 2:15 PM - 3:15 PM
SDCC, Room 3

Board of Governors (BOG) Executive Committee (by invitation only)
Sunday, 3:30 PM - 5:30 PM
SDCC, Room 4

Board of Governors (BOG) Governance and Society Engagement Committee
Saturday, 11:00 AM - 11:55 AM
Hilton Bayfront, Indigo Ballroom CD
Board of Governors (BOG) Luncheon  
Saturday, 12:00 PM - 12:55 PM  
Hilton Bayfront, Indigo Ballroom CD

Board of Governors (BOG) Legislative Affairs Committee  
Saturday, 1:00 PM - 2:45 PM  
Hilton Bayfront, Indigo Ballroom CD

Board of Governors (BOG) Socioeconomic and Grassroots Committee  
Saturday, 3:00 PM - 4:45 PM  
Hilton Bayfront, Indigo Ballroom CD

CHEER Executive Team Meeting (by invitation only)  
Sunday, 11:00 AM - 1:00 PM  
SDCC, Room 4

CHEER PI Reception (by invitation only)  
Sunday, 4:00 PM - 6:00 PM  
Hilton Bayfront, Aqua Patio

CHEER Task Force (by invitation only)  
Sunday, 8:00 AM - 10:00 AM  
SDCC, Room 4

Complementary/Integrative Medicine  
Monday, 2:30 PM - 3:30 PM  
SDCC, Room 3

Comprehensive Curriculum Task Force and Work Group  
Monday, 6:30 AM - 9:00 AM  
SDCC, Room 2

Consortium of OTO Journal Editors  
Sunday, 2:15 PM - 3:15 PM  
SDCC, Room 9

Credentials and Membership Committee  
Saturday, 1:00 PM - 2:00 PM  
Hilton Bayfront, Sapphire Ballroom I

Development Committee  
Sunday, 7:00 AM - 8:00 AM  
SDCC, Room 2

Diversity Committee  
Saturday, 2:15 PM - 3:15 PM  
Hilton Bayfront, Sapphire Ballroom H

Education Committee: Item Writing Course  
Saturday, 1:00 PM - 3:00 PM  
Hilton Bayfront, Room 204
MEETINGS AND RECEPTIONS

Education Steering Committee
Saturday, 4:00 PM - 6:00 PM
Hilton Bayfront, Sapphire Ballroom I

Endocrine Surgery Committee
Monday, 10:00 AM - 11:00 AM
SDCC, Room 7A

ENT PAC Board of Advisors (by invitation only)
Sunday, 2:00 PM - 4:00 PM
SDCC, Room 5A

ENTRI Board Meeting
Saturday, 11:30 AM - 11:45 AM
Hilton Bayfront, Indigo Ballroom AB

Equilibrium Committee
Monday, 2:30 PM - 3:30 PM
SDCC, Room 2

Ethics Committee
Saturday, 3:00 PM - 5:00 PM
Hilton Bayfront, Sapphire Ballroom L

Facial Plastic & Reconstructive Surgery Education Committee
Sunday, 2:15 PM - 3:15 PM
SDCC, Room 4

Finance and Investment Subcommittee (FISC)
Saturday, 2:00 PM - 3:00 PM
Hilton Bayfront, Room 410

General Otolaryngology Education Committee
Sunday, 2:15 PM - 3:15 PM
SDCC, Room 3

Geriatric Otolaryngology Committee
Tuesday, 9:45 AM - 10:45 AM
SDCC, Room 4

Head and Neck Surgery and Oncology Committee
Tuesday, 2:15 PM - 3:15 PM
SDCC, Room 2

Head and Neck Surgery Education Committee
Tuesday, 2:15 PM - 3:15 PM
SDCC, Room 1A

Hearing Committee
Monday, 5:00 PM - 6:00 PM
SDCC, Room 7B

History and Archives Committee
Saturday, 11:00 AM - 12:00 PM
Hilton Bayfront, Sapphire Ballroom I
Home Study Course Working Group Meeting  
Sunday, 10:00 AM - 12:00 PM  
SDCC, Room 27A

Humanitarian Efforts Committee  
Monday, 2:30 PM - 3:30 PM  
SDCC, Room 1B

Imaging Committee  
Tuesday, 9:45 AM - 10:45 AM  
SDCC, Room 7A

Implantable Hearing Devices Committee  
Monday, 7:00 AM - 8:00 AM  
SDCC, Room 9

Infectious Disease Committee  
Tuesday, 9:45 AM - 10:45 AM  
SDCC, Room 1B

Instruction Course Advisory Committee  
Monday, 2:30 PM - 3:30 PM  
SDCC, Room 1A

International Otolaryngology Committee  
Monday, 10:00 AM - 11:00 AM  
SDCC, Room 7B

International Steering Committee  
Tuesday, 2:15 PM - 3:15 PM  
SDCC, Room 4

International Women’s Caucus  
Sunday, 12:00 PM - 1:30 PM  
SDCC, Room 22

Intraoperative Nerve Monitoring Task Force  
Sunday, 4:30 PM - 5:30 PM  
SDCC, Room 3

Joint Education Committees Meeting  
Sunday, 7:00 AM - 8:00 AM  
SDCC, Room 28C

Laryngology and Bronchosophagology Education Committee  
Tuesday, 9:45 AM - 10:45 AM  
SDCC, Room 5A

Latin American Caucus  
Tuesday, 12:00 PM - 1:00 PM  
SDCC, Room 22

Media and Public Relations Committee  
Monday, 10:00 AM - 11:00 AM  
SDCC, Room 3
MEETINGS AND RECEPTIONS

Medical Devices and Drugs Committee  
Sunday, 2:15 PM - 3:15 PM  
SDCC, Room 2

Medical Informatics Committee  
Saturday, 2:15 PM - 3:15 PM  
Hilton Bayfront, Sapphire Ballroom I

Microvascular Committee  
Tuesday, 2:15 PM - 3:15 PM  
SDCC, Room 9

Nominating Committee (by invitation only)  
Saturday, 1:00 PM - 2:00 PM  
Hilton Bayfront, Room 202B

Otolaryngology-Head and Neck Surgery Journal Editorial Board Meeting  
Tuesday, 9:15 AM - 10:45 AM  
SDCC, Room 8

Otolaryngology-Head and Neck Surgery Journal International Editorial Board Meeting  
Monday, 2:30 PM - 3:30 PM  
SDCC, Room 8

Otology & Neurotology Education Committee  
Monday, 2:30 PM - 3:30 PM  
SDCC, Room 4

Outcomes, Research, and EBM Committee  
Monday, 2:30 PM - 3:30 PM  
SDCC, Room 7A

Panamerican Committee  
Tuesday, 9:45 AM - 10:45 AM  
SDCC, Room 1A

Patient Safety and Quality Improvement Committee  
Sunday, 7:00 AM - 8:00 AM  
SDCC, Room 8

Pediatric Otolaryngology Committee  
Sunday, 7:00 AM - 8:00 AM  
SDCC, Room 1A

Pediatric Otolaryngology Education Committee  
Monday, 10:00 AM - 11:00 AM  
SDCC, Room 2

Physician Payment Policy Workgroup (by invitation only)  
Monday, 3:30 PM - 5:30 PM  
SDCC, Room 5A
Physician Resources Committee
Sunday, 2:15 PM - 3:15 PM
SDCC, Room 1B

Plastic and Reconstructive Surgery Committee
Monday, 10:00 AM - 11:00 AM
SDCC, Room 1A

Practice Management Education Committee
Monday, 2:30 PM - 3:30 PM
SDCC, Room 9

Program Advisory Committee
Saturday, 1:00 PM - 2:00 PM
Hilton Bayfront, Sapphire Ballroom L

Regent Clinical Advisory Committees (by invitation only)
Saturday, 3:30 PM - 5:00 PM
Hilton Bayfront, Sapphire Ballroom AB

Regent Executive Committee (by invitation only)
Saturday, 5:00 PM - 6:00 PM
Hilton Bayfront, Sapphire Ballroom AB

Research and Quality Steering Committee
Tuesday, 2:15 PM - 3:15 PM
SDCC, Room 8

Rhinology and Allergy Education Committee
Monday, 10:00 AM - 11:00 AM
SDCC, Room 8

Rhinology and Paranasal Sinus Committee
Tuesday, 9:45 AM - 10:45 AM
San Diego Convention Center, Room 2

Robotic Surgery Task Force
Tuesday, 4:30 pm – 5:30 pm
SDCC, Room 1A

Science and Education Committee
Saturday, 2:00 PM - 3:00 PM
Hilton Bayfront, Sapphire Ballroom E

Section for Residents and Fellows (SRF) Governing Council/Transition Meeting (by invitation only)
Tuesday, 9:45 AM - 10:45 AM
SDCC, Room 9

Simulation Education Committee
Tuesday, 9:45 AM - 10:45 AM
SDCC, Room 7B
Skull Base Surgery Committee  
Saturday, 1:00 PM - 2:00 PM  
Hilton Bayfront, Sapphire Ballroom E

Sleep Disorders Committee  
Saturday, 3:00 PM - 4:00 PM  
Hilton Bayfront, Sapphire Ballroom M

Specialty Society Advisory Council (SSAC) Meeting  
(by invitation only)  
Monday, 2:30 PM - 4:30 PM  
SDCC, Room 7B

Trauma Committee  
Sunday, 2:15 PM - 3:15 PM  
SDCC, Room 8

Voice Committee  
Sunday, 2:15 PM - 3:15 PM  
SDCC, Room 7A

Women In Otolaryngology (WIO) Communications Committee  
Monday, 10:00 AM - 11:00 AM  
SDCC, Room 5A

Women in Otolaryngology (WIO) Endowment Committee  
Monday, 10:00 AM - 11:00 AM  
SDCC, Room 1B

Women in Otolaryngology (WIO) Governing Council Meeting  
(by invitation only)  
Tuesday, 2:15 PM - 3:15 PM  
SDCC, Room 1B

Women in Otolaryngology (WIO) Leadership Development and Mentorship Committee  
Sunday, 2:15 PM - 3:15 PM  
SDCC, Room 7B

Women In Otolaryngology (WIO) Program Committee  
Saturday, 10:00 AM - 11:00 AM  
Hilton Bayfront, Sapphire Ballroom H

Women In Otolaryngology (WIO) Research and Survey Committee  
Saturday, 3:30 PM - 4:30 PM  
Hilton Bayfront, Sapphire Ballroom H

Women in Otolaryngology Training Session (sponsored by Medtronic) (by invitation only)  
Saturday, 8:00 AM - 5:00 PM  
Hilton Bayfront, Aqua Salon EF

Young Physicians Section Governing Council (by invitation only)  
Tuesday, 11:00 AM - 12:00 PM  
SDCC, Room 7B
AAO-HNS CAREER FAIR

Monday, September 19, 6:00 pm – 8:00 pm
Hilton Bayfront Hotel, Sapphire Ballroom A-F

The AAO-HNS Career Fair, hosted by ENT Careers and HEALTHeCAREERS Network, will take place on Monday evening at the Hilton Bayfront 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, HEALTHeCAREERS 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 HEALTHeCAREERS to register and upload your resume at http://resources.healthecareers.com/2016-AAO-HNS-career-fair-registration

Employers should contact HEALTHeCAREERS to take full advantage of the emerging talent pool. Visit http://resources.healthecareers.com/2016-aao-hns-career-fair for more details.

Visit HEALTHeCAREERS at Booth 549 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
MEETINGS AND RECEPTIONS

AFFILIATE MEETINGS

(Affiliate Meetings are listed alphabetically.)

39th Annual American Association of Otolaryngologists of Indian Heritage (AAOIH) Dinner Meeting
Sunday, 7:00 PM - 10:00 PM
Hilton Bayfront, Aqua EF

51st Annual American Neurotology Society Fall Meeting
Saturday, 6:00 AM - 5:00 PM
Hilton Bayfront, Indigo Ballroom GH
- ANS Scientific Program
- ANS Facial Nerve Study Group
- William House Cochlear Implant Study Group

AHNS/AAO Head and Neck Surgery Course for Residents and Fellows
Saturday, 11:30 am - 5:30 pm
Hilton Bayfront, Room 410

AAO-HNS Trauma Committee and the Society of Military Otolaryngologists (SMO) Trauma Symposium
Saturday, 5:00 PM - 9:00 PM
Hilton Bayfront, Indigo Ballroom A

AAOIH Board Meeting
Sunday, 4:30 PM - 5:30 PM
SDCC, Room 22

American Journal of Rhinology & Allergy
Sunday, 6:00 AM - 8:00 AM
Hilton Bayfront, Room 204A

ASPO Board and Committee Meetings
Saturday, 7:00 AM - 9:00 AM
Hilton Bayfront, Aqua CD

American Neurotology Society Executive Council Meeting/Luncheon followed by the Education Committee Meeting
Friday, 11:00 AM - 5:30 PM
Hilton Bayfront, Room 202A

American Otological Society Council Meeting (Membership Committee followed by O&N Board of Directors Meeting)
Sunday, 6:00 AM - 10:30 AM
Hilton Bayfront, Room 202A

AJRA Board Meeting
Sunday, 6:00 AM - 8:00 AM
Hilton Bayfront, Room 310AB
Christian Society of Otolaryngology-Head & Neck Surgeons
Annual Fellowship Breakfast
Sunday, 6:00 AM - 8:00 AM
Hilton Bayfront, Indigo Ballroom EF

Christian Society of Otolaryngology-Head & Neck Surgeons
Annual Membership Dinner Banquet
Saturday, 6:00 PM - 10:00 PM
Hilton Bayfront, Indigo Ballroom EF

COSM SLC Meeting
Monday, 6:30 AM - 8:00 AM
Hilton Bayfront, Room 202B

Ear Research Foundation SERF’s Up Fellow Reception
Monday, 7:00 PM - 10:00 PM
Hilton Bayfront, Room 410B

ENSIG Study Group
Monday, 8:30 AM - 9:30 AM
Hilton Bayfront, 202B

Eustachian Tube Study Group
Sunday, 7:00 AM - 8:00 AM
Hilton Bayfront, Indigo Ballroom B

Korean American Otolaryngology Society Meeting
Sunday, 7:00 PM - 10:00 PM
New Children’s Museum San Diego
200 W Island Ave, San Diego, CA 92101

Laryngoscope Editorial Board Meeting
Monday, 7:00 AM - 8:00 AM
Sapphire 411AB

Laryngoscope Investigative OTO Editorial Board
Monday, 7:00 AM - 8:00 AM
Hilton Bayfront, Sapphire 410B

Laryngoscope Systematic Review Committee
Monday, 12:00 PM - 1:00 PM
Marriott Marquis San Diego Marina, Newport Beach

Laryngoscope “How I Do It” Committee
Monday, 12:00 PM - 1:00 PM
Marriott Marquis San Diego Marina, Malibu

Laryngoscope Section Editors Meeting
Tuesday, 12:00 PM - 1:00 PM
Marriott Marquis San Diego Marina, La Mesa

National Medical Association: Harry Barnes Society Meeting
Monday, 7:30 PM - 10:00 PM
Hilton Bayfront, Aqua AB
Neurolaryngology Study Section Meeting
Sunday, 12:15 PM - 3:00 PM
SDCC, Room 33

Pan American Association of Otolaryngology Executive Committee and Country Representatives Meeting
Tuesday, 8:00 AM - 9:00 AM
SDCC, Room 22

Society of Physician Assistants in ORL-HNSF Reception
Monday, 6:00 PM - 8:00 PM
Hilton Bayfront, Room 410A

Society of Military Otolaryngologists (SMO) Air Force Middle Management Meeting
Saturday, 4:00 PM - 5:30 PM
Hilton Bayfront, Room 202B

Society of Military Otolaryngologists (SMO) Army Middle Management Meeting
Saturday, 4:00 PM - 5:30 PM
Hilton Bayfront, Room 204B

Society of Military Otolaryngologists (SMO) Navy Middle Management Meeting
Saturday, 4:00 PM - 5:30 PM
Hilton Bayfront, Room 204A

TRIO BP (Best Practice) Committee
Monday, 12:00 PM - 1:00 PM
Marriott Marquis San Diego Marina, Coronado

Vascular Anomalies Task Force
Sunday, 6:00 PM - 7:00 PM
Hilton Bayfront, Room 204A
ALUMNI RECEPTIONS

Boies Annual Alumni Event
Monday, 6:00 PM - 9:00 PM
Manchester Grand Hyatt, Sally’s Seafood on the Water
1 Market Pl, San Diego, CA 92101

Harvard Medical School Alumni Reception
Monday, 6:00 PM - 8:00 PM
University Club, 750 B St. #3400, San Diego, CA 92101

Penn State Otolaryngology-Head & Neck Surgery Alumni & Friends Event
Monday, 6:30 PM - 9:00 PM
Strider’s Club lounge, 100 J St, San Diego, CA 92101

University of Pennsylvania Alumni Reception
Monday, 7:00 PM - 10:00 PM
San Diego Marriott Gaslamp Quarter, Altitude Sky Lounge,
660 K St, San Diego, CA 92101

University of Pittsburgh Alumni Reception
Saturday, 7:00 PM - 9:00 PM
San Diego Marriott Marquis, Marina Kitchen Restaurant & Bar
333 W Harbor Dr, San Diego, CA 92101

University of Toronto
Monday, 6:00 PM - 8:00 PM
Hilton Bayfront, Indigo 206

A new tool designed to help bring together
Members of the AAO-HNS through the
creation of mentor relationships.

To learn more, visit
www.entnet.org/mENTorConnect
ALUMNI NIGHT

TUESDAY, 6:30 PM - 8:00 PM
HILTON BAYFRONT, SAPPHIRE BALLROOM

Tuesday night of the Annual Meeting is “Alumni Night.” Receptions for the following colleges, universities, and otolaryngology training centers.

Boston University Medical Center, Booth SB-219

CWRU/University Hospitals ENT Institute of Cleveland Clinic Head and Neck Institute Alumni Event, Booth 103

International Visiting Scholars, Booth SB-301

Northwestern University, Booth SB-213

Reception for The Greater Metropolitan New York Residency Programs, Booth SB-201/205

- 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

University of Illinois at Chicago and Southern Illinois University, Booth SB-109

University of Tennessee Health Science Center, Booth SB-313

University of Kansas, Missouri, and Nebraska, Booth SB-317

University of Michigan, Department of Otolaryngology-Head and Neck Surgery, Booth SB-309

University of Wisconsin, Booth SB-101

University of Virginia, Booth SB-303
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. Badges must be scanned to enter lunch area within the OTO Experience.

**BOX LUNCHES WILL BE SERVED:**

<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
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<tbody>
<tr>
<td>Sunday, September 18</td>
<td>12:00 pm - 1:00 pm</td>
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<tr>
<td>Monday, September 19</td>
<td>12:15 pm - 1:15 pm</td>
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<tr>
<td>Tuesday, September 20</td>
<td>12:00 pm - 1:00 pm</td>
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**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 traditional American cuisine:*

- Hamburgers
- Chicken tenders
- Hot dogs
- Fries
- And more

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

Concession stand customers are responsible for all charges.
MEETINGS AND RECEPTIONS

HONORARY GUEST LECTURERS

Martha Somerman, DDS, PhD
H. Bryan Neel III MD, PhD Distinguished Research Lecture – NIDCR: Advancing Health Through Research and Innovation

Sunday, September 18
2:15 PM – 3:15 PM
SDCC, Ballroom 6A

Michael J. McKenna, MD
AAO-HNSF/International Hearing Foundation/Michael M. Paparella, MD Endowed Lecture for Distinguished Contributions in Clinical Otology

Monday, September 19
10:00 am - 11:00 am
SDCC, Ballroom 6A

M. Eugene Tardy Jr., MD
Legends of Otolaryngology Lecture Featuring M. Eugene Tardy Jr., MD

Monday, September 19
2:30 pm - 3:30 pm
SDCC, Ballroom 6A

Jonathan C. Irish, MD
Eugene N. Myers, MD International Lecture on Head and Neck Cancer

Tuesday, September 20
9:45 am - 10:45 am
SDCC, Ballroom 6A

G. Richard M. Holt, MD, MPH and Panelists: Susan D. McCammon, MD; Kevin McMains, MD; Howard Francis, MD
John Conley, MD Lecture on Medical Ethics

Tuesday, September 20
2:15 PM – 3:15 PM
SDCC, Ballroom 6A
Get involved in your Academy

GENERAL ASSEMBLIES

BOARD OF GOVERNORS (BOG)
Monday, September 19, 5:00 pm – 7:00 pm
San Diego Convention Center, Room 20D

SECTION FOR RESIDENTS AND FELLOWS-IN-TRAINING (SRF)
Tuesday, September 20, 7:30 am – 9:30 am
San Diego Convention Center, Room 20D

WOMEN IN OTOLARYNGOLOGY (WIO) SECTION
Monday, September 19, 7:30 am - 9:30 am
San Diego Convention Center, Room 20D

YOUNG PHYSICIANS SECTION (YPS)
Monday, September 19, 2:30 pm – 4:30 pm
San Diego Convention Center, Room 20D
Missed a session? 
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SUNDAY
SEPTEMBER 18

DAY-AT-A-GLANCE

Opening Ceremony featuring keynote speaker
Former Astronaut, Engineer, Physician, and Educator
Mae C. Jemison, MD
8:30 am - 9:30 am

OTO Experience
9:30 am - 5:00 pm

Regent℠ Miniseminar: "The Future Is Now, Regent℠: The First Otolaryngology Clinical Data Registry"
9:45 am - 11:30 am

Education Sessions
10:00 am - 12:00 pm

Complimentary Lunch with the Exhibitors SOLD OUT
12:00 pm - 1:00 pm

Education Sessions
1:00 pm - 2:00 pm

Complimentary Coffee in the OTO Experience
2:00 pm, sponsored by: Otonomy, Inc.

H. Bryan Neel III MD, PhD Distinguished Research Lecture 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
DAILY SCHEDULE

Track Color Code

<table>
<thead>
<tr>
<th>Color</th>
<th>Topic</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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<tr>
<td>FPRS</td>
<td>Facial Plastic and Reconstructive Surgery</td>
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<tr>
<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>Otology/Neurotology</td>
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<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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<tr>
<td>SM</td>
<td>Sleep Medicine</td>
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</tbody>
</table>

Presentation Formats

= Audience Polling  = Mini-course  = Non-CME

8:30 am - 9:30 am
OPENING CEREMONY
SDCC, Ballroom 20

Featuring Mae C. Jemison, MD
Sujana S. Chandrasekhar, MD; James C. Denneny III, MD

9:45 am - 11:30 am
MINISEMINARS

The Future Is Now, Regent: The First Otolaryngology-Specific Clinical Data Registry
SDCC, Ballroom 20
James C. Denneny III, MD (Moderator); Lisa E. Ishii, MD, MHS; H. Louise Eddy, MS, CCC-A, FAAAA; Tim Parr, Vice President, Technology FIGMd
<table>
<thead>
<tr>
<th>Time</th>
<th>Presentation</th>
<th>Authors and Affiliations</th>
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<tbody>
<tr>
<td>10:00 am</td>
<td>Antimicrobial Photodynamic Therapy for Chronic Rhinosinusitis</td>
<td>Martin Desrosiers, MD, FRCSC; Leandra Mfuna Endam, MSc; Andrea Lasso, MSc; Roger Andersen, MD, FRCSC; Nicolas Loebel, PhD; Carolyn Cross, MBA; Shaun Kilty, MD, FRCSC</td>
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<tr>
<td>10:09 am</td>
<td>Safety and Effectiveness of a Novel Absorbable Nasal Valve Implant</td>
<td>Marion San Nicolò, MD; Klaus Stelter, MD; Haneen Sadick, MD; Katrin Lauer, MD; Alexander Berghaus, MD</td>
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<tr>
<td>10:19 am</td>
<td>Tissue-Engineering Airway Mucosa for Tracheal Transplant</td>
<td>Nick J. J. Hamilton, BSc, MBBS; Dani D. H. Lee, MRes; Sam Janes, PhD; Martin Birchall, MA (Hons Cantab), MB BChir, MD (Cantab), FRCS(Oral), FRCS(Oral), F Med Sci</td>
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<tr>
<td>10:28 am</td>
<td>Affordable Care Act: Healthcare Economics for Academic and Private Practice</td>
<td>Jerome W. Thompson, MD, MBA</td>
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<tr>
<td>10:37 am</td>
<td>Early Neurocognitive Improvements Following Parathyroidectomy</td>
<td>Shivani Shoh-Becker, MD; Jonathan Derr, MS, MBA; Benjamin Obersman, MD; Aaron Baker, MD; Michele M. Carr, DDS, MD, PhD, FRCS; David Goldenberg, MD</td>
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<tr>
<td>10:46 am</td>
<td>Cetuximab-IRDye800 Identifies Nodal Basin for Head and Neck Cancer</td>
<td>Larissa Sweeney, MD; Lindsay Moore, MD; Jason M. Warram, PhD; Eben L. Rosenthal, MD</td>
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<tr>
<td>10:55 am</td>
<td>Multicenter Study: Effect of Antibiotic Choice on Post-Operative Infection</td>
<td>Joshua Greene, MD; Susan LeRoque Davis; Jeremy Richmon, MD; Matthew Hanasono, MD; Mark K. Wax, MD; Yelizaveta Shnayder, MD; Tamer Ghanem, MD, PhD</td>
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<tr>
<td>11:04 am</td>
<td>The Development and Implementation of Mobile Stroboscopy Software</td>
<td>Scott Kohlert, MD; Matthew Bromwich, MD</td>
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<tr>
<td>11:13 am</td>
<td>Co-Culture of 3-D Printed Scaffolds for Cartilage Tissue Engineering</td>
<td>Robert J. Morrison, MD; Khaled N. Kashlan, BS; Matthew Wheeler, PhD; David A. Zopf, MD, MS; Glenn E. Green, MD; Scott J. Hollister, PhD</td>
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<tr>
<td>11:22 am</td>
<td>Upper Airway Stimulation for OSA: Subjective Outcomes after 48-Months</td>
<td>M. Boyd Gillespie, MD; Ryan Soose, MD; B. Tucker Woodson, MD</td>
</tr>
<tr>
<td>11:31 am</td>
<td>Hyperbaric Oxygen Therapy: Effect on Hearing Outcome in Sudden SNHL</td>
<td>Swati Agrawal, MS, DNB, Nishi Sharma, MD</td>
</tr>
</tbody>
</table>
11:40 am
Safety of Repeated Intratympanic AM101 in Acute Inner Ear Tinnitus
Hinrich Staecker, MD, PhD; Pavel Chrbolka, MD; Joong Ho Ahn; Thomas Meyer

10:00 am - 10:55 am
INTERNATIONAL SYMPOSIA
Frontal Sinus Surgery: A Stepwise Approach (presented in Spanish) Supported by the Panamerican Committee CME
SDCC, Room 31BC
J. Pablo Stolovitzky, MD; Roy Casiano, MD; Ricardo L. Carrau, MD

10:00 am - 12:00 pm
INSTRUCTION COURSES
Cleft Lip and Palate Surgery for Residents
SDCC, Room 30BC
Tom D. Wang, MD; Dane M. Barrett, MD

Endoscopic Middle Ear Anatomy
SDCC, Ballroom 6A
Daniele Marchioni, MD; Livio Presutti, MD; Muaaz Tarabichi, MD

Frontal Sinus Surgery: Systematic Approach and Execution
SDCC, Room 28C
Devyni Lal, MD; Peter H. Hwang, MD

Gussack Memorial: Avoiding Bad Results in Sinus Surgery
SDCC, Room 28AB
Martin J. Citardi, MD; Christopher T. Melroy, MD; Scott M. Graham, MD

Head and Neck Melanoma: Achieving Clarity Amongst the Controversy
SDCC, Room 25A
Cecelia E. Schmalbach, MD, MS; Carol R. Bradford, MD

Innovations in Laryngeal Surgery
SDCC, Ballroom 6E
Steven M. Zeitels, MD

Optimal Surgical Strategies for Treating Facial Paralysis
SDCC, Room 23A
David B. Hom, MD; Ravi Samy, MD

Otology and Neurotology Recertification/Certification Review Course
SDCC, Room 26
Adrien Eshraghi, MD; Simon Angeli, MD; Brandon Isaacson, MD; Daniel H. Coelho, MD
Pediatric Endoscopic Airway Surgery: State-of-the-Art
SDCC, Room 10
Michael J. Rutter, MD, FRACS; Alessandro De Alarcon, MD, MPH; Catherine K. Hart, MD

Pediatric Hearing Loss: CMV, Genetics, Imaging, and More
SDCC, Room 24BC
Margaret Kenna, MD, MPH; John Greinwald, MD; Daniel Choo, MD

Vocal Fold Injection: Fact, Fiction, and Material Selection
SDCC, Ballroom 6D
Clark A. Rosen, MD

MINISEMINARS

10th Annual Academic Bowl Supported by the Education Steering Committee
SDCC, Room 29AB
Sonya Malekzadeh, MD (Moderator); Richard V. Smith, MD

American Thyroid Association Guidelines: Molecular Testing, Ultrasound, and Neuro-Monitoring
SDCC, Room 25BC
Robert L. Witt, MD (Moderator); Robert L. Ferris, MD, PhD; Gregory W. Randolph, MD; Edmund Pribitkin, MD; David L. Steward, MD

Board of Governors Hot Topics: How to Survive and Succeed in Practice in 2016 Supported by the BOG Executive Committee
SDCC, Room 30A
Ken Yanagisawa, MD (Moderator); Ellis M. Arjmand, MD, PhD; Emily F. Boss, MD, MPH; David R. Edelstein, MD; Steven T. Kmucha, MD, JD; Spencer C. Payne, MD; Lawrence M. Simon, MD

Morbidity and Mortality Conference: Case-Based Quality Improvement
SDCC, Room 29CD
Eben L. Rosenthal, MD (Moderator); Randal S. Weber, MD; Marion Couch, MD, PhD, MBA; Mary T. Hawn, MD, MPH; Eric D. Lamarre, MD

Vestibular Migraines: What Otolaryngologists Need to Know in 2016 Supported by the Equilibrium Committee
SDCC, Ballroom 6B
Michael Hoffer, MD (Moderator); Courtney C. J. Voelker, MD, PhD; Eric Smouha, MD; Joel A. Goebel, MD; Edward I. Cho, MD; Hamed Sajjadi, MD

View from the Editors: Peer Review and the Editorial Process
SDCC, Room 28DE
Michael G. Stewart, MD, MPH (Moderator); John H. Krouse, MD, PhD, MBA; Jay F. Piccirillo, MD; David W. Kennedy, MD; Ehab Y. Hanna, MD; Robert T. Sataloff, MD; Bert O’Malley Jr., MD
11:00 am - 11:55 am

INTERNATIONAL SYMPOSIA

Contemporary Management of Single Sided Deafness (SSD) (presented in Spanish)
Supported by the Colombia-Colombian Association of Otorhinolaryngology, Head and Neck, Maxillofacial and Esthetic Facial Surgery
SDCC, Room 318C
Juan Manuel Garcia Gomez, MD; Alejandro Rivas, MD; Eric Wilkinson, MD; Sandra Velandia, AuD

12:00 pm - 1:00 pm

LUNCH WITH THE EXPERTS
SDCC, Hall D, Booth 2054

Head and Neck Cancer: Marion E. Couch, MD, PhD
Head and Neck Cancer: Robert L. Ferris, MD, PhD
Laryngology: Paul Castellanos, MD
Otology and Neurotology - Infectious Issues: Patrick J. Antonelli, MD
Otology: Anil K. Lalwani, MD
Otology: Nancy M. Young, MD
Robotic Surgery: Eric M. Genden, MD
Sialoendoscopy: Marion Boyd Gillespie, MD
Sinus/Rhinology: Stacy T. Gray, MD

1:00 pm - 2:00 pm

INTERNATIONAL SYMPOSIA

Global Otolaryngology
SDCC, Room 318C
James E. Saunders, MD; Sunil Dutt, PhD; Norma de Oliveira Penido, MD, PhD; David Chin, MD; Daliza Gonzalez Escobar, MD

INSTRUCTION COURSES

3-D Surgical Anatomy of the Temporal Bone with Clinical Implications
SDCC, Ballroom 6B
Michael T. Teixido, MD
An Evidence-Based Approach to Practice Management of Dizzy Patients
SDCC, Ballroom 6A
Joel A. Goebel, MD

Basic Biostatistics for ENT Clinicians: What You Need to Know
SDCC, Room 23A
Diego Preciado, MD, PhD

Chronic Cough in Children
SDCC, Room 24BC
Samantha Anne, MD, MS; Alessandro De Alarcon, MD, MPH

Clinical Fundamentals: Universal Precautions for the Otolaryngologist
SDCC, Room 26
Peggy E. Kelley, MD

Contemporary Endoscopic Management of Inverted Papilloma
SDCC, Room 28AB
Pete Batra, MD

Current Advances in Otitis Media
SDCC, Room 30DE
Joseph Kerschner, MD; Michael E. McCormick, MD

Down Syndrome: Otolaryngologic Manifestations and Treatment
SDCC, Room 23B
Sally R. Shott, MD

Ear Pressure and Pain
SDCC, Room 29AB
William H. Slattery, MD; Eric Wilkinson, MD

Finding the Hidden Parathyroid Adenoma
SDCC, Room 25BC
Eric M. Genden, MD

Fundamentals of Videostroboscopy
SDCC, Ballroom 6D
Phillip Song, MD; Ramon A. Franco Jr., MD

How to Interpret and Prepare a High-Quality Systematic Review
SDCC, Room 28DE
Martin J. Burton, DM; Richard M. Rosenfeld, MD, MPH

It’s Not Always Reflux: What Are We Missing?
SDCC, Ballroom 6E
Michael Pitman, MD; Jonathan M. Bock, MD

Raising Your Voice Care Game via Excellence in Stroboscopy
SDCC, Room 28AB
VyVy N. Young, MD; Thomas Carroll, MD

Recurrent Respiratory Papillomas: Update 2016
SDCC, Room 10
Craig S. Derkay, MD; Paolo Campisi, MD, MS
DAILY SCHEDULE

MINISEMINARS

AAO-HNSF Clinical Practice Guideline (Update): Benign Paroxysmal Positional Vertigo Supported by the Guideline Task Force
SDCC, Ballroom 6C
Neil Bhattacharyya, MD (Moderator); Samuel P. Gubbels, MD; Seth R. Schwartz, MD, MPH; Michael D. Seidman, MD

FESS: Is It Really That Successful—What Should We Tell Our Patients?
SDCC, Room 28C
Rodney Schlosser, MD (Moderator); Timothy Smith, MD; Adam DeConde, MD; Jeremiah A. Alt, MD, PhD; Luke Rudmik, MD; Zachary Soler, MD

Management of High-Risk HPV-Positive Oropharyngeal Cancer
SDCC, Room 25A
Jose P. Zevallos, MD, MPH (Moderator); David Neil Hayes, MD, MPH; Bhishamjit Chera, MD; Carole Fakhry, MD, MPH; Umamaheswar Duvvuri, MD, PhD

Rhinoplasty Pearls: The Three Techniques I Can’t Live Without Supported by the Facial Plastic and Reconstructive Surgery Education Committee
SDCC, Room 30BC
Edmund Pribitkin, MD (Moderator); Preston Ward, MD, MS; Tang Ho, MD

Vocal Fold Leukoplakia: Controversies in Evaluation and Treatment Supported by the Laryngology and Brochoesophagology Education Committee
SDCC, Ballroom 6F
Lee M. Akst, MD (Moderator); Kenneth W. Altman, MD, PhD; Matthew S. Broadhurst, MD, MBBS; Joseph Califano, MD; Harry Quon, MD, MS; Marc Remacle, MD, PhD

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<th>Time</th>
<th>Topic</th>
<th>Presenters</th>
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<tbody>
<tr>
<td>1:00 pm</td>
<td>Cisplatin vs. Cetuximab with Radiotherapy for Oropharyngeal Cancer</td>
<td>Vikas Mehta, MD, MPH; Tara Moore-Medlin, BS; Xiaohui Ma, MD; Jose Flores, PhD; Oleksandr Ekshyyan, PhD; Cherie-Ann O. Nathan, MD</td>
</tr>
<tr>
<td>1:06 pm</td>
<td>Weight Loss, Oral Intake, and Pain after Oropharyngeal Cancer</td>
<td>Marianne Abouyared, MD; Zoukaa Sargi, MD, MPH; Mario A. Landera, SLP.D; Amanda Demane, CCC-SLP; Chetan Nayak, MD; Donna Lundy, PhD</td>
</tr>
<tr>
<td>1:12 pm</td>
<td>Fluorescence Sentinel Node Mapping in Oral and Oropharyngeal Cancer</td>
<td>Shunsuke Miyamoto, MD, PhD; Meijin Nakayama, MD, PhD; Yutomo Seino, MD, PhD; Tabito Okamoto, MD; Koichi Kano, MD; Shohei Tsutsumi, MD; Taku Yamashita, MD; PhD</td>
</tr>
<tr>
<td>1:18 pm</td>
<td>Impact of Lymph Node Distribution on Survival in Oropharyngeal Cancer</td>
<td>Tapan D. Patel, MD; Dhruv Patel, MD; Emily Marchiano, BA; Jean Anderson Eloy, MD; Soly Boredes, MD; Richard C. Park, MD</td>
</tr>
<tr>
<td>1:24 pm</td>
<td>TORS with the Flex Robotic System in Base of Tongue Lesions</td>
<td>Stefan Mattheis, MD, PhD; Marc Remacle, MD, PhD; Georges Lawson, MD; Magis Mandapathil, MD, PhD; Patrick Schuler, MD, PhD; Christian Guldner, MD; Stephan Lang, MD, PhD</td>
</tr>
<tr>
<td>1:30 pm</td>
<td>TORS Treated Oropharyngeal Cancers: Is p16 Status Significant?</td>
<td>Tamer Ghanem, MD, PhD; Heather Olden, MPH; Anish Abrol, BS; Steven Chang, MD; Francis Hall, MD; Amy M. Williams, PhD</td>
</tr>
<tr>
<td>1:36 pm</td>
<td>Tonsil Cancer Treatment in the Elderly</td>
<td>Dylan F. Roden, MD, MPH; Babak Givi, MD</td>
</tr>
<tr>
<td>1:42 pm</td>
<td>Superior Survival of Surgical Treatments in Early Stage Tonsil Cancer</td>
<td>Dylan F. Roden, MD, MPH; David Schreiber, MD; Babak Givi, MD</td>
</tr>
</tbody>
</table>
**SCIENTIFIC ORAL PRESENTATIONS**

**LARYNGOLOGY/BRONCHO-ESOPHAGOLOGY**

Moderators: Peter Doble, MD; Alexander Gelbard, MD; Lawrence M. Simon, MD

SDCC, Room 32A

1:00 pm  
**Quantification of Inflammatory Markers in Laryngotracheal Stenosis**  
Kevin Motz, MD; Linda X. Yin, BA; Idris Samad, MB, BCh; Dacheng Ding, MD, PhD; Alexander T. Hillel, MD

1:06 pm  
**Stem Cells Decrease Resorption Rate of Micronized Alloglottic**  
Michael Oldenburg, MD; Dale Ekbom, MD; Serban San Marina, MD, PhD; Steve Voss, BS; Joaquin Garcia, MD; Jeffrey Janus, MD

1:12 pm  
**Effect of BMI on Complications in Surgery Utilizing Jet Ventilation**  
Rachel A. Barry, MD; Daniel S. Fink, MD; Andrew J. McWhorter, MD; Kasey Hayley, CRNA, DNAP; Schuyler Hayley, CRNA; Dusty Pourciau, CRNA; Rachel Lanius, RN

1:18 pm  
**Fibroblasts in Hypoxic Conditions Mimic Laryngotracheal Stenosis**  
Linda X. Yin, BA; Kevin Motz, MD; Idris Samad, MB, BCh; Dacheng Ding, MD, PhD; Alexander T. Hillel, MD

1:24 pm  
**Progression of Inflammatory Genes in Murine Subglottic Stenosis**  
William Kennedy, BA; Ankona Ghosh, MD; Cecil James Saunders, PhD; Noam Cohen, MD, PhD; Natasha Mirza, MD

1:30 pm  
**Laryngeal Stenosis Among Hospitalized Patients in the United States**  
Romaine Johnson, MD, MPH; Christopher Clark, MD

1:36 pm  
**Reducing Intubation-Related Laryngeal Injury in ICU Patients**  
Stephen Schoeff, MD; Robert Reed, MD; James Daniero, MD

1:42 pm  
**Idiopathic Subglottic Stenosis and Laryngotracheal Resection**  
Deanna Menapace; Mara C. modest, MD; Jan Kasperbauer, MD; Eric Moore, MD; Dale Ekbom, MD; Eric Edell, MD

1:48 pm  
**TORS with the Flex® Robotic System for Glottic Lesions**  
Marc Remacle, MD, PhD; Stephan Lang, MD, PhD; Stefan Mattheis, MD, PhD; Christian Guldner, MD; Magis Mandapathil, MD, PhD; Patrick Schuler, MD, PhD; Georges Lawson, MD
SCIENTIFIC ORAL PRESENTATIONS

OTOLOGY/NEUROTOLOGY

Moderators: Mark J. Syms, MD; James V Crawford, MD

SDCC, Room 32B

1:00 pm Cochlear Implant Outcomes with Perimodiolar-Positioned Electrodes
Robert Labadie, MD, PhD; Jianing Wang; Jack Noble, PhD; Benoit Dawant, PhD

1:06 pm Cochlear Implantation in Inner Ear Malformations: Systematic Review
Zachary Farhood, MD; Stephen Miller, BS; Meredith A. Holcomb, AuD, CCC-A; Shaun A. Nguyen, MD, MA; Habib G. Rizk, MD, MsC

1:12 pm CI in Single Sided Deafness Patients: Our Experiences
Astrid Wolf-Magele, MD; Barbara Stonak, MD; Philipp Schoerg, BSc; Philipp Wimmer, MD; Bernhard Gradl, MD; Georg Sprinzl

1:18 pm Cochlear Implantation in Patients with NF2: The UK Experience
Hannah J. D. North, MBBS, FRACS (ORL-HNS); Deborah Mawman, MSc; Simon R. M. Freeman, MD, FRCS; Dan Jiang, MD, FRCS; James D. Ramsden, MD, FRCS; Patrick Axon, MD, FRCS; Simon K. Lloyd, MD, FRCS

1:24 pm Cochlear Integrity in Hepatitis C Virus Patients Receiving Peg-IFN/RBV Therapy
Hesham Sad Zaghloul; Elsaeid Mohamed Thabet Ali Eldin, MD, PhD; Waleed Ahmad El-Sherbiny; Nimreen Fawzy Metawee

1:30 pm Cochlear Implant Outcomes in Cochlear Nerve Aplasia and Hypoplasia
Kevin A. Peng, MD; Suzannah Hogan, AuD; Eric Wilkinson, MD; Mia E. Miller, MD

1:36 pm Comparing Speech Recognition in Different Cochlear Electrode Arrays
Vir Patel, BA; Joshua B. Silverman, MD, PhD; Gregory Dibelius, MD; Michael Silverman, BA; Megan KuhlmeY, MS, CCC-A; Lorie Singer, MBA; Ana H. Kim, MD

1:42 pm Factors Influencing Cochlear Patency after Translab Craniotomy
Brian Rodgers, MD; Eric W. Sargent, MD; Aaron Metrailer, MD; Emily Stucken, MD; Michael J. Larouere, MD; Dennis I. Bojrab, MD; Seilesh Babu, MD

1:48 pm Hearing Preservation: Does Cochlear Electrode Choice Matter?
Leila J. Mady, MD, PhD, MPH; Daniel Sukato, MD; Jennifer Fruit, AuD; Catherine Palmer, PhD; Yoel Raz, MD; Barry E. Hirsch, MD; Andrew A. McCall, MD
2:15 pm - 3:15 pm

HONORARY GUEST LECTURE
SDCC, Ballroom 6A

H. Bryan Neel III MD, PhD Distinguished Research Lecture

Martha Somerman, DDS, PhD

3:30 pm - 4:30 pm

INTERNATIONAL SYMPOSIA

Contemporary Concept of Otosclerosis/Otospongiosis
Sponsored by the Brazil-Brazilian Association of Otorhinolaryngology
SDCC, Room 31BC
Norma de Oliveira Penido, MD, PhD; Oswaldo L. M. Cruz, MD; Andy Vicente, MD, PhD; José Ricardo G. Testa, MD, PhD

Thyroid Carcinoma: An Evaluation of Differing Approaches in the United States and Korea
Supported by the South Korea-Korean Society of Otolaryngology
SDCC, Room 30A
Eun Chang Choi, MD, PhD; John Song, MD; Kang Dae Lee, MD, PhD; Richard C. Park, MD, Eun Chang Choi, MD, PhD; John Song, MD; Kang Dae Lee, MD, PhD; Richard C. Park, MD; Kwang Hyun Kim, MD

INSTRUCTION COURSE

A Comprehensive Review of Reconstructions of the Lips
SDCC, Room 30BC
Gregory Renner, MD

Chronic Rhinosinusitis in Children
SDCC, Room 24BC
Fuad M. Baroody, MD; Hassan Ramadan, MD, MSc

Clinical Fundamentals: Treatment of Anaphylaxis
SDCC, Room 26
John H. Krouse, MD, PhD, MBA

Common Causes of Hoarseness That Are Commonly Missed
SDCC, Ballroom 6D
Jacob P. Noordzij, MD; Seth M. Cohen, MD, MPH

#OTOMTG16 www.entnet.org/annual_meeting
Endoscopic Ear Surgery: How-To Get Started and Why
SDCC, Ballroom 6C
Natasha Pollak, MD, MS; Hamed Sajjadi, MD

Frontal Sinus Surgery: Basic and Advanced Technique
SDCC, Room 28AB
Roy Casiano, MD; Adam J. Folbe, MD

Improving Outcomes in Septal Surgery
SDCC, Room 29AB
Grant Gillman, MD

Laryngeal Surgery for General Otolaryngologists: Pearls and Pitfalls
SDCC, Ballroom 6E
Lee M. Akst, MD; Michael Pitman, MD

Management of Ballistic and Avulsive Injuries to the Head and Neck
SDCC, Room 23A
Neal D. Futran, MD, DDS; D. Gregory Farwell, MD

Management of Post-Tonsillectomy Pain in Children
SDCC, Room 28DE
David E. Tunkel, MD; Max M. April, MD

Ossiculoplasty Techniques with Hydroxyapatite Cement
SDCC, Room 23C
Joel A. Goebel, MD

Otosclerosis Surgery: Past, Present, and Future
SDCC, Ballroom 6A
William H. Slattery, MD; John W. House, MD

Pediatric Sensorineural Hearing Loss Update 2016
SDCC, Room 10
Albert H. Park, MD; John A. Germiller, MD, PhD

Supraclavicular Flap Reconstruction in the Head and Neck
SDCC, Room 25BC
Daniel Deschler, MD; Kevin Emerick, MD

The Unknown Primary Head and Neck Cancer: Treatment Without Gimmicks
SDCC, Room 33
Guy J. Petruzelli, MD, PhD, MBA
MINISEMINARS

Allergic Fungal Rhinosinusitis: 30 Years Later What Do We Really Know?
SDCC, Room 28C
Matthew W. Ryan, MD (Moderator); Amber Luong, MD, PhD; Bradley F. Marple, MD; Harshita Pant, MD

EHR Intrusion into Your Practice: Maximizing Your Patient Flow
SDCC, Room 29CD
Robert J. Stachler, MD (Moderator); Michael D. Seidman, MD; Joshua Greene, MD; Matthew Smith, MD; Syed Ahsan, MD; David Eibling, MD

Evaluation and Treatment of Patients with Complex Dizziness
Supported by the Otology and Neurotology Education Committee
SDCC, Ballroom 6B
Seilesh Babu, MD (Moderator); Bradley Kesser, MD; Marc Bennett, MD; James V. Crawford, MD

Management of Oropharyngeal Cancer
SDCC, Ballroom 20BC
Jeremy Richmon, MD (Moderator); Derrick T. Lin, MD; Harry Quon, MD, MS; Ezra Cohen, MD

Medialization Options for Unilateral Vocal Fold Paralysis
SDCC, Ballroom 6F
Jonathan M. Bock, MD (Moderator); Adam D. Rubin, MD; David O. Francis, MD, MS; Andrew J. McWhorter, MD; Adam Klein, MD

Survivorship and Surveillance After Head and Neck Cancer Treatment
Supported by the Head and Neck Surgery and Oncology Committee, and American Head and Neck Society (AHNS)
SDCC, Room 25A
Steven J. Wang, MD (Moderator); David Cognetti, MD; Matthew Miller, MD; Kevin Fung, MD

Wow! That’s a Lot of Blood: Expert Management of Epistaxis
SDCC, Ballroom 20A
David M. Poetker, MD (Moderator); Doug Reh, MD; Bradford Woodworth, MD
SCIENTIFIC ORAL PRESENTATIONS

**ES  ENDOCRINE SURGERY**

**Moderators:** David M. Cognetti, MD; Jeremy D. Richmon, MD

**SDCC, Room 32A**

3:30 pm  **Comparison Between Transaxillary and Retroauricular Thyroidectomy**
Yoon Woo Koh, MD, PhD; Jung Min Kim, MD; Hyung Kwon Byeon, MD, PhD; Ji Hoon Kim, MD; Won Shik Kim, MD; Sanghyun Kwak, MD; Eun Chang Choi, MD, PhD

3:36 pm  **A Systematic Technique for the Resection of Substernal Goiters**
Harry H. Ching, MD; Jacob B. Kahane, MD; Annabel E. Barber, MD; Robert C. Wang, MD

3:42 pm  **Liposomal Bupivacaine Use in Routine Thyroidectomy**
Carson T. Williams, MD; Saurin Popat, MD; Mark Burke, MD; Ciera Patzke, BS; Thom Loree, MD

3:48 pm  **Squamous Cell Carcinoma of the Thyroid: A Population-Based Analysis**
Joshua K. Au, MD; Jose E. Alonso, BS; Edward C. Kuan, MD, MBA; Armin Arshi, BS; Maie A. St. John, MD, PhD

3:54 pm  **Hurthle Cell Carcinoma: A 19-year Clinical Experience**
Daniel P. Fox, MD; Sagar Kansara, MD; Dianna B. Roberts, PhD; Michelle D. Williams, MD; Maria E. Cabanillas, MD; Gary L. Clayman, DMD, MD; Mark E. Zafereo Jr., MD

4:00 pm  **SUVmax on FDG-PET Predicts Clinical Outcome in Thyroid Cancer**
Atsushi Hanamoto, MD, PhD; Susumu Nakahara, MD, PhD; Takahito Fukusumi, MD, PhD; Takahiro Michiba, MD; Hidenori Inohara, MD, PhD

4:06 pm  **Impact of ATA Criteria and Bethesda Reporting on Thyroid US FNA Results**
David L. Steward, MD; Amy Manning, MD; Huaitao Yang, MD, PhD; Mercedes Falciglia, MD; Jonathan Mark, MD

4:12 pm  **Repeat Thyroid Fine Needle Aspiration Changing Clinical Management**
Alborz Jooya; Richard Payne, MD

4:18 pm  **Diagnostic Value of RAS Mutations in Indeterminate Thyroid Nodules**
William Clinkscales, BAS; Adrian A. Ong, MD; Shaun A. Nguyen, MD, MA; E. Emily Harruff, BS; M. Boyd Gillespie, MD
SUNDAY

SCIENTIFIC ORAL PRESENTATIONS

FACIAL PLASTIC AND RECONSTRUCTIVE SURGERY

Moderators: Jennifer C. Kim, MD; John J. Chi, MD
SDCC, Room 31A

3:30 pm Characterizing the Association Between Mandible Strength and Function
Brandon White; Steven J. Eppell, PhD; Amit Vasanji, PhD; Jonathan Z. Baskin, MD

3:36 pm Functional Outcomes of Condyle Reconstruction Using Fibula Free Flap
Julien A. Norton, MD; Mauricio Moreno-Vera, MD

3:42 pm Impact of Diabetes on Free Flap Surgery of the Head and Neck
Jacob Brady, BA; Andrey Filimonov; Aparna Govindan, BA; Jean Anderson Eloy, MD; Soly Baredes, MD; Richard C. Park, MD

3:48 pm In-House 3-D Printing Improves Quality for Mandible Reconstruction
Evan A. Longfield, MD; Daniel Nuss, MD; Michael DiLeo, MD

3:54 pm Impact of Anesthesia Duration on Free Flap Surgery in Otolaryngology
Jacob Brady, BA; Stuti Desai, BA; Michael Zaki, MD; Jean Anderson Eloy, MD; Soly Baredes, MD; Richard C. Park, MD

4:00 pm The Effect of Training Level on Free Flap Surgery Complications
Jacob Brady, BA; Andrey Filimonov; Neil V. Nadpara, BA; Jean Anderson Eloy, MD; Soly Baredes, MD; Richard C. Park, MD

4:06 pm Preoperative Risk Factors and Complications after Flap Surgery
Shiayin Yang, MD; Eric Thorpe, MD; William Adams, MA

4:12 pm Submental Island Flap Reconstruction after Chemoradiation
Michael R. Kaufman, MD; Thomas Gal, MD, MPH

4:18 pm Laryngopharyngeal Reconstruction with ALT vs. Radial Forearm Free Flap
Eun Chang Choi, MD, PhD; Won Shik Kim, MD; Jae Hong Park, MD; Hyung Kwon Byeon, MD, PhD; Jung Min Kim, MD; Da Hee Kim, MD; Yoon Woo Koh, MD, PhD
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<th>Time</th>
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<th>Presenters</th>
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<tr>
<td>3:30 PM</td>
<td>Pediatric Peritonsillar Abscess: Outcomes from the Use of Ultrasound</td>
<td>Zhen Huang, MD, MBA; Brian Reilly, MD</td>
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<tr>
<td>3:36 PM</td>
<td>Prelim Results: Intraop IV Acetaminophen in Pediatric Tonsillectomy</td>
<td>Shivani Shah-Becker, MD; Christopher Roberts, BS; Ashley O’Connell Ferster, MD; Khaled Sedeek, MD; Michele M. Carr, DDS, MD, PhD</td>
</tr>
<tr>
<td>3:42 PM</td>
<td>Neuromuscular Stimulation and Feeding in Medically Complex Children</td>
<td>Steven M. Andreoli, MD; Brooke Wilson, CCC-SLP; Catherine Swanson, CCC-SLP/A</td>
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<td>3:48 PM</td>
<td>Post-Tonsillectomy Hemorrhage: Variation in Healthcare Costs</td>
<td>Jonathan Harounian, MD; Eric Schaefer, MS; Jane Schubart, PhD, MBA; Michele M. Carr, DDS, MD, PhD</td>
</tr>
<tr>
<td>3:54 PM</td>
<td>Etiology of Esophageal Food Impaction in the Pediatric Population</td>
<td>Abhinav R. Ettyreddy, MD; Jacquelyn R. Sink, MD; Matthew W. Georg, BS; Dennis J. Kitsko, DO; Jeffrey P. Simons, MD</td>
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<tr>
<td>4:00 PM</td>
<td>National Trends in Diagnosis of Ankyloglossia and Frenotomy</td>
<td>Jonathan Walsh, MD; Emily F. Boss, MD, MPH; Anne R. Links, MS, MHS; Margaret L. Skinner, MD; David E. Tunkel, MD</td>
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<tr>
<td>4:06 PM</td>
<td>The Safety of Observation for Pediatric Post-Tonsillectomy Bleeding</td>
<td>Rachel Leonardis, MD; Jessica Hsu, BS; Amber D. Shaffer, PhD; Martin Anderson, MD; Noel Jabbour, MD</td>
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<tr>
<td>4:12 PM</td>
<td>Outcomes of Adenoidectomy Alone in Patients Less Than 3-Years Old</td>
<td>Kishan Thadikonda, BS; Amanda L. Stapleton, MD</td>
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<tr>
<td>4:18 PM</td>
<td>Role of CysLTR1 and 2 in the Maturation of Lymphocytes in Tonsils</td>
<td>Bruno P. Paulucci, MD; Juliana Pereira, MD, PhD; Patricia Picciarelli, MD; Debora Levy, PhD; Renata di Francesco, MD, PhD</td>
</tr>
<tr>
<td>4:24 PM</td>
<td>Improving Speech Outcomes in Children with Cleft Palate</td>
<td>Amber D. Shaffer, PhD; Matthew Ford, MS, CCC-SLP; Sukgi S. Choi, MD; Noel Jabbour, MD</td>
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DAILY SCHEDULE

4:45 pm - 5:45 pm

INTERNATIONAL SYMPOSIA

Tympanoplasty: Science, Art or Acrobatics?
SDCC, Room 31BC
Joachim M. Mueller, MD, PhD; David S. Haynes, MD; Nikolas H. Blevins, MD; Hector Macias Reyes, MD, PhD

INSTRUCTION COURSE

A Practical Approach to Assessment of Dizzy Patients
SDCC, Ballroom 6A
Steven D. Rauch, MD

Advanced Endoscopic Approaches to the Frontal Sinus
SDCC, Room 23A
Jean Anderson Eloy, MD; Alexander Chiu, MD

Auditory Neuropathy: An Evidence-Based Clinical Approach
SDCC, Ballroom 6B
Christina Runge, PhD; David R. Friedland, MD, PhD

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Avoiding and Managing Complications in Laryngology
SDCC, Ballroom 20A
VyVy N. Young, MD; Libby J. Smith, DO

Clinical Fundamentals: Integration of Quality and Safety into Otolaryngology
SDCC, Room 26
Amy C. Hessel, MD

Complications of Adenotonsillectomy in Children
SDCC, Room 24BC
Charles M. Myer III, MD

Debates in the Management of Neck in Thyroid Cancer
SDCC, Ballroom 6D
Ashok R. Shaha, MD

Demystifying Paradoxical Vocal Fold Motion: Vocal Cord Dysfunction
SDCC, Room 23C
Julina Ongkasuwan, MD; Katherine C. Yung, MD

HPV: What the Practicing Clinician Should Know
SDCC, Room 25BC
Eric M. Genden, MD

Laryngeal Electromyography
SDCC, Room 23B
Glendon M. Gardner, MD; Steven Parnes, MD

Management of Septal Perforations
SDCC, Room 30BC
Stephen F. Bansberg, MD

Molecular Marker Testing of Thyroid Nodules and Thyroid Cancer 2016
SDCC, Room 33
Ralph P. Tufano, MD, MBA; Robert L. Ferris, MD, PhD

Modified Endoscopic Lothrop
SDCC, Room 30A
Kristin Seiberling, MD; Bozena B. Wrobel, MD; Richard Harvey, MD, PhD

Oral Cavity Soft Tissue Reconstruction Demystified: The Basics
SDCC, Ballroom 20BC
Kevin Fung, MD; Steven J. Wang, MD

Pains in the Neck: Treating Globus Pharynges
SDCC, Room 29AB
Lee M. Akst, MD; Seth Dailey, MD

Pearls of Dysphagia Management in the Older Patient
SDCC, Room 28DE
Ozlem E. Tulunay-Ugur, MD; Michael Pitman, MD
## DAILY SCHEDULE

### Sunday

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<th>Event</th>
<th>Room/Location</th>
<th>Participants</th>
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<tr>
<td>Powered Endoscopic Dacryocystorhinostomy</td>
<td>SDCC, Room 28AB</td>
<td>Peter J. Wormald, MD; Salil B. Nair, MD</td>
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<tr>
<td>The Bacteriology of Rhinosinusitis: Biofilms and the Microbiome Cancer 2016</td>
<td>SDCC, Room 28C</td>
<td>Peter J. Wormald, MD; Alkis Psaltis, PhD, MBBS</td>
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### MINISEMINARS

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<tr>
<th>Topic</th>
<th>Supported by</th>
<th>Room/Location</th>
<th>Participants</th>
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<tr>
<td>AAO-HNSF Clinical Practice Guideline: Rhinoplasty</td>
<td>Supported by the Guideline Task Force</td>
<td>SDCC, Ballroom 6F</td>
<td>Lisa E. Ishii, MD, MHS (Moderator); Richard M. Rosenfeld, MD, MPH; Travis Tollefson, MD, MPH; Gregory Basura, MD, PhD; Edward Farrior, MD</td>
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<tr>
<td>Controversies in Management of Early Glottic Cancer</td>
<td>Supported by the Head and Neck Surgery and Oncology Committee, and American Head and Neck Society (AHNS)</td>
<td>SDCC, Room 25A</td>
<td>Scharukh Jalisi, MD (Moderator); David Cognetti, MD; Christine Gourin, MD, MPH; Seth M. Cohen, MD, MPH</td>
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<tr>
<td>Leadership Lessons: Strategies for Success</td>
<td>Supported by the Young Physicians Section and WIO Program Committee Governing CME</td>
<td>SDCC, Room 29CD</td>
<td>Samantha Anne, MD, MS (Moderator); Mona M. Abaza, MD, MS; Carol R. Bradford, MD; John H. Krouse, MD, PhD, MBA; Lee Eisenberg, MD, MPH; Stacey L. Ishman, MD, MPH; Matt Donnelly, JD</td>
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<td>Lessons Learned in Sleep Apnea Surgery</td>
<td></td>
<td>SDCC, Room 30DE</td>
<td>Eric J. Kezirian, MD, MPH (Moderator); Edward M. Weaver, MD, MPH; Samuel Mickelson, MD</td>
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<td>Sudden Hearing Loss: What Every Otolaryngologist Needs to Know</td>
<td>Supported by the Otology and Neurotology Education Committee, and American Neurotology Society (ANS)</td>
<td>SDCC, Ballroom 6C</td>
<td>Lawrence R. Lustig, MD (Moderator); Cliff Megerian, MD; George B. Wanna, MD; Daniel Zeitler, MD; David S. Haynes, MD</td>
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SCIENTIFIC ORAL PRESENTATIONS

HNS  HEAD AND NECK SURGERY

Moderators: Cherie-Ann O. Nathan, MD; Joseph Sniezek, MD
SDCC, Room 32A

4:45 pm  The Efficacy of Radiation on 'Adverse' Minor Salivary Gland Cancer
Meghan T. Turner, MD; Phillip A. Huyett, MD; Mathew Geltzeiler, MD; Rachel Leonardis, MD; Seungwon Kim, MD

4:51 pm  Parotid Adenoid Cystic Carcinoma: Retrospective Nomograms Analysis
Giuditta Mannelli, MD; Lorenzo Cecconi, PhD; Martina Fasolati, MD; Roberto Santoro, MD; Giuseppe Meccariello, MD; Oreste Gallo, MD

4:57 pm  Perineural Invasion in Parotid Gland Malignancies
Phillip A. Huyett, MD; Jonas Johnson, MD; Robert L. Ferris, MD, PhD; Umamaheswar Duvvuri, MD, PhD; Seungwon Kim, MD

5:03 pm  Impact of Diabetes Mellitus on Surgical Outcomes of Parotid Cancer
Milap Raikundalia, BS; Michael J. Sylvester; Tapan D. Patel, MD; Richard C. Park, MD; Soly Baredes, MD; Jean Anderson Eloy, MD

5:09 pm  Sentinel Lymph Node Biopsy in Merkel Cell Carcinoma
El John R. Sims, MD; Travis Grotz, MD; Barbara Pockaj, MD; Robert Foote, MD; Amy Weaver, MS; James Jakub, MD; Daniel Price, MD

5:15 pm  Superficial vs. Total Parotidectomy for Metastatic Melanoma
Aileen Wertz, MD; Kelly Michele Malloy, MD; Alison B. Durham, MD; Timothy Johnson, MD; Carol R. Bradford, MD; Scott McLean, MD, PhD

5:21 pm  Novel Technique to Identify Nerve of Origin in Head and Neck
Alycia G. Spinner, MD; Harry H. Ching, MD; Robert C. Wang, MD

5:27 pm  Long-Term Gland Preservation in Patients Undergoing Sialoendoscopy
Virginie Achim, MD; Peter Andersen, MD

5:33 pm  Does Saliva Composition Affect the Formation of Sialolithiasis?
Stine Attrup Schrøder, MD; Niels Wagner, MD; Preben Homæe, MD, PhD

AAO-HNSF 2016 Annual Meeting & OTO EXPO™
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<tr>
<th>Time</th>
<th>Presentation</th>
<th>Authors</th>
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<tbody>
<tr>
<td>4:45 pm</td>
<td>Evaluation of Complications from Superior Canal Dehiscence Surgery</td>
<td>Yanjun J. Xie, BA; Jeffrey Sharon, MD; Seth E. Pross, MD; Nicholas B. Abt, BS; Sanskriti Varma, BS; John Carey, MD</td>
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<tr>
<td>4:51 pm</td>
<td>Diagnostic Accuracy of VEMP Testing in Superior Canal Dehiscence</td>
<td>Jacob B. Hunter, MD; Neil S. Patel, MD; Brendan P. O'Connell, MD; Matthew L. Carlson, MD; Neil Shepard, PhD; Devin McCaslin, PhD; George B. Wanna, MD</td>
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<tr>
<td>4:57 pm</td>
<td>Surgically Treated Superior Canal Dehiscence Patients Are Not Obese</td>
<td>Taha A. Jan, MD; Y. Song Cheng, BM BCh; Marlien Niesten; Lukas Landegger, MD; Priya Srikanth, PhD; Daniel J. Lee, MD</td>
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<tr>
<td>5:03 pm</td>
<td>Skull Vibration Induced Nystagmus Test in Anterior Canal Dehiscence</td>
<td>Georges Dumas, MD, PhD; Alexis Lion, MD; Philippe Perrin, MD, PhD; Sébastien Schmerber, MD, PhD</td>
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<tr>
<td>5:09 pm</td>
<td>Bilateral Superior Canal Dehiscence Repair: Indications and Outcomes</td>
<td>Ruwan Kiringoda, MD; Y. Song Cheng, BM BCh; Daniel J. Lee, MD</td>
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<tr>
<td>5:15 pm</td>
<td>Evaluation of Noise Exposure Secondary to Wind Noise in Cyclists</td>
<td>Anna Garcia, MD; Matthew M. Smith, MD; Steve Jacob, BS; Michael D. Seidman, MD</td>
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<tr>
<td>5:21 pm</td>
<td>Noise Levels in Nightclubs</td>
<td>Marlon Maducdoc, MD; Beatrice Sun, BS; Hossein Mahboubi, MD, MPH; Yarah M. Haidar, MD; Yaser Ghavami, MD; Harrison W. Lin, MD; Hamid R. Djallilian, MD</td>
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<tr>
<td>5:27 pm</td>
<td>Efficacy of Commercially Available Ear Plugs in Reducing Noise</td>
<td>Beatrice Sun, BS; Marlon Maducdoc, MD; Hossein Mahboubi, MD, MPH; Yarah M. Haidar, MD; Yaser Ghavami, MD; Harrison W. Lin, MD; Hamid R. Djallilian, MD</td>
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<td>5:33 pm</td>
<td>The Effect of ITS Injection Frequency in Sudden Hearing Loss</td>
<td>Michel Evans, DO; Miles Neumann, BS; Eric Sugihara, DO; Seilesh Babu, MD</td>
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<tr>
<td>4:45 pm</td>
<td>Comparative Analysis of Cone-Beam CT for Sinus and Temporal Bone Imaging</td>
<td>Yanjun J. Xie, BA; John Carey, MD; Doug Reh, MD</td>
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<tr>
<td>4:51 pm</td>
<td>3-D Printing Skull Base Tumors for Simulation and Patient Education</td>
<td>Kyle K. VanKoevingerr, MD; Sajad Arabnejeb, PhD; Erin McKeann, MD, MBA; Scott J. Hollister, PhD; Glenn E. Green, MD; David A. Zopf, MD, MS</td>
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<tr>
<td>4:57 pm</td>
<td>Surgical Treatment of Epistaxis in HHT: Our Experience</td>
<td>Alessandro Pusateri, MD; Frediano Papi, MD; Giuseppe Spinozzi; Dario Zaccari, MD; Elina Matti, MD; Fabio Pagella, MD</td>
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<tr>
<td>5:03 PM</td>
<td>Endovascular Embolization in the Treatment of Epistaxis</td>
<td>Phillip A. Huyett, MD; Eric W. Wang, MD; Carl H. Snyderman, MD, MBA</td>
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<tr>
<td>5:09 pm</td>
<td>Utilization of a 3-D Printed Skull Model for Rhinological Simulation</td>
<td>Jose G. Gurrola, II, MD; Robert Reed, MD; Spencer C. Payne, MD</td>
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<tr>
<td>5:15 pm</td>
<td>Nasopharyngeal Adenocarcinoma: A Population-Based Analysis</td>
<td>Maie A. St. John, MD, PhD; Edward C. Kuan, MD, MBA; Jose E. Alonso, BS; Armin Arshi, BS</td>
</tr>
<tr>
<td>5:21 pm</td>
<td>The Use of Frozen Sections in Diagnosis of Invasive Fungal Sinusitis</td>
<td>Clelie C. Melancon, MD; John D. Clinger, MD</td>
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<tr>
<td>5:27 pm</td>
<td>The Use of Polydixanone (PDS) Plates for Endoscopic Skull Base Repair</td>
<td>Fahad Alasousi, MD, SB-ORL; Christopher N. Okpaleke, MBBS, MPH; Anali Dodgostar, MD, FRCSC; Amin Javer, MD, FRCSC, FARS</td>
</tr>
<tr>
<td>5:33 pm</td>
<td>ER-Beta in JNA and Correlation with Clinico-Radiological Findings</td>
<td>Suresh C. Sharma, MB, BS, MS; Karan Aggarwal, MD; Alok Thakar, MD, FRCsed; C. Amit Singh, MS; Ashu Seith Bhalla, MD; Kapil Sikka, MD; Mehar Chand Sharma, MD</td>
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DAILY SCHEDULE

Regent℠ ENT CLINICAL DATA REGISTRY

HARNESS THE POWER OF DATA

Regent℠ will become the foundation for
- Quality Reporting
- Defining Quality
- Quality Improvement
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MONDAY SEPTEMBER 19

DAY-AT-A-GLANCE

Education Sessions
7:30 am - 8:30 am

Women in Otolaryngology Section (WIO) General Assembly
7:30 am - 9:30 am

OTO Experience
9:30 am - 5:00 pm

Education Sessions
8:45 am - 9:45 am

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

AAO-HNSF/International Hearing Foundation/Michael M. Paparella, MD Endowed Lecture for Distinguished Contributions in Clinical Otology, Committee Meetings, and Meet the Scientific Poster Authors
10:00 am - 11:00 am

Education Sessions
11:15 am - 12:15 pm

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

Education Sessions
1:15 pm - 2:15 pm

Legends of Otolaryngology Lecture, Committee Meetings, and Meet the Scientific Poster Authors
2:30 pm - 3:30 pm

Young Physicians Section (YPS) General Assembly
2:30 pm - 4:30 pm

Education Sessions
3:45 pm - 5:45 pm

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

Track Color Code

- **BMP**: Business of Medicine/Practice Management
- **ES**: Endocrine Surgery
- **FPRS**: Facial Plastic and Reconstructive Surgery
- **GO**: General Otolaryngology
- **HNS**: Head and Neck Surgery
- **LBE**: Laryngology/Broncho-Esophagology
- **MOC**: Maintenance of Certification
- **ON**: Otology/Neurotology
- **PSQI**: Patient Safety and Quality Improvement
- **PED**: Pediatric Otolaryngology
- **RA**: Rhinology/Allergy
- **SM**: Sleep Medicine

Presentation Formats

- 🌟 = Audience Polling
- ☕ = Hands-on
- 📚 = Mini-course
- 📚 = Non-CME

7:30 am - 8:30 am

**INTERNATIONAL SYMPOSIA**

Management of Complex Laryngotracheal Stenosis with Extended CTR
SDCC, Room 31BC
Enrique Gerardo Ortiz Hernandez, MD; Diego Preciado, MD, PhD; Hiram Alvarez Neri, MD; Jaime Penchyna Grub, MD

**INSTRUCTION COURSES**

Adding Laryngeal Reinnervation to Your Practice
SDCC, Room 23B
George S. Goding, MD; Joel Blumin, MD

An Individualized Approach to Quality and Value for Surgeons
SDCC, Room 30A
Carl H. Snyderman, MD, MBA; Erin McKeon, MD, MBA
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<tr>
<th>Title</th>
<th>Room/Site</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>Avoiding Errors in VNG Interpretation</td>
<td>SDCC, 6B</td>
<td>Steven A. Telian, MD, MS; Meredith Adams, MD</td>
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<tr>
<td>Career Burnout and Energy Management for Optimal Performance</td>
<td>Room 23C</td>
<td>Julie L. Wei, MD; Douglas Girod, MD; Robert Ossoff, MD</td>
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<tr>
<td>Clinical Fundamentals: Ethics and Professionalism</td>
<td>Room 26</td>
<td>Susan R. Cordes, MD; Andrew G. Shuman, MD</td>
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<tr>
<td>Complications of Thyroid Surgery</td>
<td>Room 25A</td>
<td>Ashok R. Shaha, MD</td>
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<td>Comprehensive Management of Laryngomalacia and Its Variants</td>
<td>Room 10</td>
<td>Dana M. Thompson, MD, MS; Gresham T. Richter, MD</td>
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<tr>
<td>CRS: New Knowledge of Pathophysiology and Impact on Treatment</td>
<td>Room 20A</td>
<td>David W. Kennedy, MD; Elina Toskala, MD, PhD</td>
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<td>Decision-Making in Laryngology: Both Sides of the Story</td>
<td>Room 6F</td>
<td>Clark A. Rosen, MD; Mark Courey, MD</td>
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<tr>
<td>Discussing HPV-Head and Neck Cancer: Diagnosis and Beyond</td>
<td>Room 20BC</td>
<td>Carole Fakhry, MD, MPH; Christine Gourin, MD, MPH</td>
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<tr>
<td>Hot Coding Topics in Otolaryngology 2016</td>
<td>Room 6C</td>
<td>Richard W. Waguespack, MD; Lawrence M. Simon, MD</td>
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<tr>
<td>In-Office Management of Geriatric Voice and Swallowing Disorders</td>
<td>Room 6D</td>
<td>Ozlem E. Tulunay-Ugur, MD; Stacey Halum, MD</td>
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<tr>
<td>Making Sense of Globus</td>
<td>Room 6E</td>
<td>Albert L. Merati, MD; Robbi A. Kupfer, MD</td>
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<tr>
<td>Management of Radiation Effects on the Ear and Temporal Bone</td>
<td>Room 23A</td>
<td>Paul W. Gidley, MD</td>
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AAO-HNSF 2016 Annual Meeting & OTO EXPO℠
DAILY SCHEDULE

Office Management of Snoring in 2016
SDCC, Room 30DE
Scott E. Brietzke, MD, MPH; Peter O’Connor, MD

Post-Treatment Surveillance and Imaging in Head and Neck SCC
SDCC, Room 25BC
Eben L. Rosenthal, MD; Mark K. Wax, MD

Surgical Anatomy of the Paranasal Sinuses
SDCC, Room 28AB
Brent A. Senior, MD

Surgical Rejuvenation of the Aging Forehead and Brow
SDCC, Room 30BC
Tom D. Wang, MD

Surgical Management of the Central Neck in Thyroid Cancer
SDCC, Room 33
Ralph P. Tufano, MD, MBA; David L. Steward, MD

The Nasal Valve Primer: Everything You Need to Know
SDCC, Room 29AB
Grant Gillman, MD

MINISEMINAR

Looking Beyond the Common Causes of Vertigo
Supported by the Skull Base Surgery Committee
SDCC, Ballroom 6A
J. Walter Kutz, MD (Moderator); Gregory J. Artz, MD; Theodore McRackan, MD; Ryan G. Porter, Sr., MD; George B. Wanna, MD

Thinking Differently About Thinking: Improving Your Decision-Making
Supported by the Patient Safety and Quality Improvement Committee
SDCC, Room 28DE
Ellis Arjmand, MD, PhD (Moderator); Karthik Balakrishnan, MD, MPH; Daniel L. Wohl, MD; Andrew J. Tompkins, MD; David Eibling, MD

Vexing Oral Cavity Lesions
Supported by the Head and Neck Surgery and Oncology Committee
SDCC, Room 29CD
Steven J. Wang, MD (Moderator); Jeffrey C. Liu, MD; Joseph Califano, MD; Samir S. Khariwala, MD, MS
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<th>Time</th>
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<tr>
<td>7:30 am</td>
<td>Replicating Surgical Procedures in Patient Specific Virtual Reality</td>
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<td>Garrett Locketz; Justin T. Lui, MD; Sonny Chan, PhD; Kenneth Salisbury, PhD;</td>
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<td>Nikolas H. Blevins, MD</td>
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<td>7:36 am</td>
<td>Does an Otolaryngology-Specific Database Have Added Value?</td>
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<td>Matthew G. Crowson, MD; Angela M. Bellmunt, MD; Walter T. Lee, MD, MHS;</td>
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<td></td>
<td>Alan W. Langman, MD; David Witsell, MD, MHS; Melissa Pynnnonen, MD, MSc;</td>
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<td>Jennifer Shin, MD, MS</td>
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<td>7:42 am</td>
<td>NIH Funding Trends Within Otolaryngology: 2005-2014</td>
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<td>Chrsten J. Lennon, MD; Jacob B. Hunter, MD; Akshikumar Mistry, MD; Mana</td>
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<td>Esphahbodi, MD; Matthew J. Deasey, BA; Kurt J. Niesner; Robert Labadie, MD,</td>
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<td>PhD</td>
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<td>7:48 am</td>
<td>Assessment of ACGME Core Competencies in the Operating Room</td>
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<td>Muhammad Abbas Abid, MD; C. Matthew Stewart, MD, PhD; Nasir Bhatti, MD, MHS</td>
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<td>7:54 am</td>
<td>Relationship Between USMLE and the Written Board Exam</td>
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<td>Liana Puscas, MD, MS; C. W. David Chang, MD; Rodney Diaz, MD; Robert Miller,</td>
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<td>MBA</td>
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<td>8:00 am</td>
<td>The Key Indicator Dashboard: A Best Practice for Resident Case Logs</td>
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<td>Johnny P. Mai, MD; Philip Zapanta, MD</td>
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<td>8:06 am</td>
<td>Research Productivity of Otolaryngology Residents</td>
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<td>Jennifer A. Villwock, MD; Brian D. Nicholas, MD</td>
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<td>8:12 am</td>
<td>Ultrasound Training in Otolaryngology Residency Programs</td>
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<td>Kara Davis, MD; Peter M. Vila, MD, MSPH; Jeffrey M. Bumpous, MD; Ralph P.</td>
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<td>Tufano, MD; Barry M. Schaitkin, MD, MBA; Russell B. Smith, MD; Merry</td>
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<td></td>
<td>Sebelik, MD</td>
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<tr>
<td>8:18 am</td>
<td>Assessment Tool for Flexible Pharyngo-Laryngoscopy: A Delphi Study</td>
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<td>Jacob Melchior, MD; Birgitte Charabi, MD; Lars Konge, MD, PhD; Marvin</td>
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<td>Fried, MD; Gregory Weinstein, MD, DMSc; Christian von Buchwald, DMSc</td>
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<td>8:24 am</td>
<td>Otolaryngology Education: Recent Trends in Publication</td>
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<td>Scott Mann, MD; Nathan Cass, MD; Tyler Okland, BS; Kenny Rodriguez, BS</td>
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MONDAY

SCIENTIFIC ORAL PRESENTATIONS

RA  RHINOLOGY/ALLERGY

Moderators: Minka L. Schofield, MD; Dole P. Baker, Jr, MD
SDCC, Room 31A

7:30 am  Nasal Polyposis and Risk for Malignancy: A Matched Cohort Study
Deena Pourang, MD; Kian Karimi, MD; Michael Batech, MD; Shefali A. Samant, MD; Javed Sheikh, MD

7:36 am  Middle Turbinate Resection During Primary vs. Revision Sinus Surgery
George A. Scangas, MD; Aaron K. Remenschneider, MD, MPH; Ralph B. Metson, MD

7:42 am  Self Administered Topical Probiotic Is Beneficial for Refractory CRS
Martin Desrosiers, MD, FRCS; Leandra Mfuna Endam, MSc; Saud Alromaih, MD, FRCS; Benoit Cousineau, PhD; Joaquin Madrenas, PhD

7:48 am  An Evaluation of SPARC Protein as a Serum Biomarker of EMT in CRS
Marc-Henri Asmar, MD; Annie Gaudreau, MD; Anastasios Maniakas, MD; Leandra Mfuna Endam, MSc; Martin Desrosiers, MD, FRCS

7:54 am  Local Increase in Immunoglobulin D in Chronic Rhinosinusitis
Mofiyinfolu Sokoya, MD; Edward N. Janoff, MD; Daniel Frank, PhD; Vijay R. Ramakrishnan, MD

8:00 am  One Airway Clinic: Our Experience in North West England
Katherine R. Conroy, MA, MRCS (ENT); Vikas Malik, MBBS; Jennifer Gilchrist, MD; Nirmal Kumar, MBBS, FRCS (ORL-HNS)

8:06 am  Chronic Rhinosinusitis CHEER Study of Practice Patterns
Nikita Chapurin, BA; Melissa Pynnnonen, MD, MSc; Matthew G. Crowson, MD; Kristine Schulz, PhD; David Witsell, MD, MHS; Alan W. Langman, MD; Walter T. Lee, MD, MHS;

8:12 am  Comparison of Symptoms and CT Findings in Chronic Sinusitis Patients
Griffin Santarelli, MD; Joseph Han, MD

8:18 am  Impact of Mucous Stasis in a Preclinical Model of Rhinosinusitis
Do-Yeon Cho, MD; Matthew M. Fort, MD; Bradford Woodworth, MD; Daniel Skinner; Calvin MacKey
SCIENTIFIC ORAL PRESENTATIONS

**SLEEP MEDICINE**

Moderators: Benjamin B Cable, MD; Stanley Liu, MD, DDS
SDCC, Room 32A

7:30 am Symptoms of Insomnia Among Patients with OSAS
Narin Nard Carmel Neiderman, MD; Daniel Benner, BA; Barak Ringel, MD; Eyal Rosenzwieg, MD

7:36 am Tonsillectomy for Treatment of Obstructive Sleep Apnea in Adults
Matthew M. Smith, MD; Kathleen L. Yaremchuk, MD

7:42 am Epiglottic Obstruction and Its Anatomical Measurements from Sleep CT
I-Chun Kuo, MD; Li-Jen Hsin, MD; Hsueh-Yu Li, MD

7:48 am Using Nasal Septal Cartilage Implants for Soft Palate Stabilization
Yi-Chan Lee, MD

7:54 am Nasopharyngeal Tube and Nasopharyngeal Tube-Aided Positioning for OSAHS
Jianjun Sun, MD; Yang Liu

8:00 am Outcomes of Hyoid Myotomy and Suspension for Obstructive Sleep Apnea
Adrian A. Ong, MD; Jonathan E. Buttram, BS; Shaun A. Nguyen, MD, MA; Dustin A. Platter, BS; Michael Abidin, MD; M. Boyd Gillespie, MD

8:06 am Patterns of Obstruction in Patients with AHI
Sam Spinowitz, MD; Steven Y. Park, MD

8:12 am The Role of the Interpterygoidal Distance Among OSAS Patients
Daniel Ben ner, BA; Narin Nard Carmel Neiderman, MD; Eyal Rosenzwieg, MD

8:18 am The Current State of Academic Sleep Surgery in the United States
Christopher Gouveia, MD; Kanwar Kelley, MD, JD; Stanley Yung-Chuan Liu, MD, DDS; Robson Capasso, MD

8:24 am An Update in the Management of Sleep Apnoea and Snoring
Yousuf Saleem, MS, FRCS (ORL HNS)
MONDAY

8:45 am - 9:45 am

INTERNATIONAL SYMPOSIA

Acquired Middle Ear Cholesteatoma: From Principles to Practice Supported by the Brazil-Brazilian Association of Otorhinolaryngology
SDCC, Ballroom 31BC
Sady Selaimen da Costa, MD, PhD; Leticia P.S. Rosito, PhD

State of the Art Interventions in the Management of ENT Diseases in the Indian Subcontinent Supported by Association of Otolaryngologists of India (AOI)
SDCC, Room 32A
Sunil N. Dutt, MS, PhD, DNB, FRCS; Deepak Haldipur, MD; Satya Prakash Dubey, MD; Sunil N. Dutt, MS, PhD, DNB, FRCS; Ameet Kishore, MBBS, FRCS(Ed), FRCS(Glas), FRCS-ORL(UK)

INSTRUCTION COURSES

Bacteria in the Sinuses: Friend or Foe? A Sinus Microbiome Update
SDCC, Room 28AB
Steven Pletcher, MD; Andrew Goldberg, MD, MC

Cholesteatoma Classification and Surgical Strategy
SDCC, Ballroom 6A
Jose N. Fayad, MD

Clinical Fundamentals: Anesthesia Related Topics for Otolaryngologists
SDCC, Room 26
Murali Sivarajan, MD

Contemporary Management of Adult Airway Stenosis
SDCC, Ballroom 6E
Dinesh K. Chhetri, MD; Sunil Verma, MD

Controversies in the Management of Thyroid Nodule
SDCC, Room 25BC
Ashok R. Shaha, MD

Diagnosis and Management of Cerebrospinal Fluid Fistula
SDCC, Ballroom 20BC
J. Walter Kutz, MD; Pete Batra, MD

E&M Coding and Documentation for Proper Reimbursement
SDCC, Ballroom 6C
Lawrence M. Simon, MD; Richard W. Waguespack, MD

Evidence-Based Approach to Treating Oropharynx Cancer, Update 2016
SDCC, Room 25A
Neil Gross, MD; Chris Holsinger, MD
Evidence-Based Medicine in Laryngology: Fact and Fiction
SDCC, Ballroom 6F
Chandra M. Ivey, MD; David Rosow, MD

Exostoses Surgery: Tips and Tricks for a Systematic Approach
SDCC, Ballroom 6D
Joao-Carlos Lopes Simoes Paco, MD, PhD; Cristina Paiva Chaves Caroca, MD; Diogo O. Carmo, MD

Laryngectomy in the Era of Chemoradiation
SDCC, Room 33
William R. Carroll, MD; Eben L. Rosenthal, MD

Management of Pediatric Snoring and Mild Obstructive Sleep Apnea
SDCC, Room 24BC
Scott E. Brietzke, MD, MPH; Cristina Baldassari, MD

Optimizing Treatment of Nasal Fractures
SDCC, Room 30BC
J. Gregory Staffel, MD

Pediatric OSA: An Evidence-Based Approach
SDCC, Room 10
Ron B. Mitchell, MD; Norman R. Friedman, MD

Selecting Hypopharyngeal Procedures in OSA
SDCC, Room 30DE
Eric J. Kezirian, MD, MPH

Sialendoscopy for Gland Preservation: A Case-Based Approach
SDCC, Room 29AB
M. Boyd Gillespie, MD, MSc

Treatment Options for Allergic Rhinitis: An Evidence-Based Review
SDCC, Ballroom 20A
Fuad M. Baroody, MD

MINISEMINARS

Malpractice in Otolaryngology: Strategies to Reduce Liability
SDCC, Room 29CD
Jean Anderson Eloy, MD (Moderator); Michael Setzen, MD; Marvin Fried, MD; Shawn Kelly, JD; Abtin Tabaee, MD

Novel Medical and Surgical Interventions for Recalcitrant Sinusitis
SDCC, Room 28C
Jivianne Lee, MD (Moderator); Joseph Han, MD; Peter H. Hwang, MD; Scott P. Stringer, MD
DAILY SCHEDULE

MONDAY

Scary Cases 2016
SDCC, Room 30A
Michael Platt, MD, MS (Moderator); David Cognetti, MD; Lawrence R. Lustig, MD; Doug Reh, MD; Chih-Kwang Sung, MD, MS

State-of-the-Art in Chronic Cough: A Case-Based Approach
SDCC, Room 28DE
Kenneth W. Altman, MD, PhD (Moderator); John H. Krouse, MD, PhD, MBA; Amber Luong, MD, PhD; Andrew Lane, MD; Thomas Carroll, MD; Seth Dailey, MD

Temporal Bone Radiology: Beyond the Basics
SDCC, Ballroom 6B
Ashkan Monfared, MD (Moderator); M. Reza Taheri, MD; Richard K. Gurgel, MD; Nikolas H. Blevis, MD; Robert Jackler, MD

SCIENTIFIC ORAL PRESENTATIONS

HEAD AND NECK SURGERY

Moderators: Mark K Wax, MD; Samir Khariwala, MD; Larissa Sweeney, MD
SDCC, Room 31A

8:45 am Immunohistochemistry Analysis of CD44, EGFR, and p16 in Oral Cancer
Erin Rachel Cohen, MD; Elizabeth J. Franzmann, MD; Isildinha M. Reis, PhD; Aymee Perez, PhD; Monika E. Freiser, MD, MPH; Gia E. Hoosien, MD; Lutecia Pereira, PhD

8:51 am Prognosis of Neutrophil-to-Lymphocyte Ratio in Early Tongue Cancer
Chih-Yen Chien, MD

8:57 am uPAR-Targeted PET Imaging and Fluorescence-Guided Surgery in HNSCC
Anders Christensen, MD; Korina Juhl, MSc; Morten Persson, MSc, PhD; Katalin Kiss, MD; Birgitte Charabi, MD; Christian von Buchwald, DMSc; Andreas Kjaer, MD, PhD

9:03 am A Novel Modular Polymer Platform for the Treatment of HNSCC
Maie A. St. John, MD, PhD

9:09 am A Population-Based Analysis of Verrucous Carcinoma of the Oral Cavity
Jose E. Alonso, BS; Edward C. Kuan, MD, MBA; Armin Arshi, BS; Maie A. St. John, MD, PhD

9:15 am Oral Cavity Surgical Margins as Independent Predictors of Outcome
Marisa R. Buchakjian, MD, PhD; Kendall K. Tasche, MD; Nitin Pagedar, MD, MPH; Steven M. Sperry, MD
9:21 am Salvage Surgery for Oral Tongue Squamous Cell Carcinoma
Perry Poteet, MD; Andrew Weaver; Mauricio Moreno-Vera, MD

9:27 am Oncologic Outcomes of Retroauricular Neck Dissection in cN0 Oral SCC
Yoon Woo Koh, MD, PhD; Jung Min Kim, MD; Hyung Kwon Byeon, MD, PhD; Jae Wook Kim, MD; Ji Hoon Kim, MD; Sanghyun Kwak, MD; Eun Chang Choi, MD, PhD

SCIENTIFIC ORAL PRESENTATIONS

PEDIATRIC OTOLARYNGOLOGY

Moderators: Charles A. Elmaraghy, MD; Jeffrey C. Rastatter, MD
SDCC, Room 32B

8:45 am Development of a Revised Grading System for the Reactive Larynx
Niall D. Jefferson, MD; Catherine K. Hart, MD; Jareen Meinzen-Derr, PhD; David F. Smith, MD, PhD; Michael J. Rutter, MD, FRACS; Alessandro De Alarcon, MD, MPH

8:51 am Outcomes of a Critical Airway Response System in a Pediatric Hospital
Charles M. Myer IV, MD; Emily C. Sterrettd, MD; Jennifer Oehler; Bobby Das, MD; Benjamin Kerrey, MD

8:57 am Airway Surgery Outcomes in the Reactive and Non-Reactive Larynx
Niall D. Jefferson, MD; David F. Smith, MD, PhD; Jareen Meinzen-Derr, PhD; Michael J. Rutter, MD, FRACS; Catherine K. Hart, MD; Robin T. Cotton, MD; Alessandro De Alarcon, MD, MPH

9:03 am Long Term Voice Outcomes of Pediatric Vocal Cord Nodules
Brian Song, MD; Luke Schloegel, MD

9:09 am Short vs. Long Term Stents in Pediatric Airway Reconstruction
David F. Smith, MD, PhD; Niall D. Jefferson, MD; Meredith E. Tabangin, MPH; Michael J. Rutter, MD, FRACS; Robin T. Cotton, MD; Alessandro De Alarcon, MD, MPH; Catherine K. Hart, MD

9:13 am Microbiology of Upper and Lower Airway in Pediatric Cystic Fibrosis
Lindsay Sobin, MD; Kosuke Kawai, ScD; Alexandria Irace, BA; Ozgul Gergin, MD; Michael Cunningham, MD; Eelam Adil, MD

9:19 am Outcomes of a Novel Technique for Unilateral Suprraglottoplasty
Harry H. Ching, MD; T. J. O’Lee, MD

9:25 am Role of IV Acetaminophen in Pediatric Adenotonsillectomy
Matthew M. Smith, MD; Laura Miller, DO; Anish Abrol, MD; Ilaaf Darrat, MD
DAILY SCHEDULE

9:31 am  Thyroglossal Duct Cyst Surgery 10-Year Single Institution Experience
         Alexander Manteghi, DO; Kimberly Rethy, DO; Justin Ross, DO; Sri Kiran Chennupati, MD

9:37 am  Fluticasone Prevents Myringotomy Tube Placement in Children with ETD
         Matthew G. Crowson, MD; Vaibhav Ramprasad, BA; Kevin J. Choi, MD, MS; Marisa A. Ryan, MD; Eileen Raynor, MD

10:00 am - 11:00 am

HONORARY GUEST LECTURE
SDCC, Ballroom 6A

AAO-HNSF/International Hearing Foundation/
Michael M. Paparella, MD Endowed Lecture for
Distinguished Contributions in Clinical Otology

Michael J. McKenna, MD

11:15 am - 12:15 pm

MASTERS OF SURGERY
VIDEO PRESENTATIONS
SDCC, Room 30DE

11:15 am  Treating Wide Spectrum of External Canal Atresia
          Kranti Bhavana, MS

11:25 am  Endoscopic OCR with Incus Interposition Graft
          Qi Zhang, MD; Manuela Fina, MD

11:35 am  Transcanal Endoscopic Approach for Holotympanic Cholesteatoma
          Manuela Fina, MD

11:45 am  Endoscopic Combined Approach for Extensive Cholesteatoma
          Manuela Fina, MD

11:55 am  A New Look at Middle Ear Adhesions: Endoscopic Approach to Aditus Block
          Manuela Fina, MD

12:05 pm  Transnasal Eustachian Tube Closure for Recalcitrant CSF Leak
          Timothy Blood, MD; Esther Kim, MD; Sachin Gupta, MD
## INSTRUCTION COURSES

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<thead>
<tr>
<th>Course</th>
<th>Room</th>
<th>Speaker(s)</th>
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<td>Approaching the Saddle Nose Deformity</td>
<td>SDCC, 30BC</td>
<td>Waleed H. Ezzat, MD</td>
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<td>Avoiding Disaster in Thyroid Surgery: Five Critical Principles</td>
<td>SDCC, 29CD</td>
<td>David James Terris, MD; William S. Duke, MD</td>
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<td>Awake Vocal Fold Injection in the Office: When, Why, and How</td>
<td>SDCC, 6E</td>
<td>Lucian Sulica, MD</td>
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<tr>
<td>Balance Problems in the Elderly</td>
<td>SDCC, 6B</td>
<td>Stephen J. Wetmore, MD; David Eibling, MD; Kim R. Gottshall, MD, PhD</td>
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<tr>
<td>Botulinum Toxin for Headache and Pain</td>
<td>SDCC, 29AB</td>
<td>Andrew Blitzer, MD; William J. Binder, MD</td>
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<td>Clinical Fundamentals: DVT: How, When, Why in Otolaryngology</td>
<td>SDCC, 26</td>
<td>Amy C. Hessel, MD</td>
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<tr>
<td>Defining Quality in Otolaryngology: The NSQIP Platform</td>
<td>SDCC, 30A</td>
<td>Alex J. McKinlay, MD; Robert J. Stockler, MD</td>
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<tr>
<td>Endoscopic and Open Surgery of the Hypopharynx and Upper Esophagus</td>
<td>SDCC, 6E</td>
<td>Joseph Spiegel, MD; Maurits Boon, MD</td>
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<td>Evidence-Based Otitis Media 2016</td>
<td>SDCC, 24BC</td>
<td>Richard M. Rosenfeld, MD; Richard M. Rosenfeld, MD, MPH</td>
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<tr>
<td>How to Review a Journal Manuscript</td>
<td>SDCC, 25BC</td>
<td>John H. Krouse, MD; PhD; MBA; Cecelia E. Schmalbach, MD, MS</td>
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<tr>
<td>Laser Therapy in Vascular Anomalies of the Head and Neck</td>
<td>SDCC, 10</td>
<td>Gresham T. Richter, MD; Tara L. Rosenberg, MD</td>
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<tr>
<td>Osteonecrosis of the Head and Neck: Contemporary Management</td>
<td>SDCC, 23A</td>
<td>Neal D. Futran, MD; D. Gregory Farwell, MD</td>
</tr>
<tr>
<td>Prevention and Management of Complications in Ear Surgery</td>
<td>SDCC, 23B</td>
<td>Patrick J. Antonelli, MD; Rex S. Haberman, II, MD</td>
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</table>
DAILY SCHEDULE

MONDAY

Re-Operative Thyroid and Parathyroid Surgery
SDCC, Ballroom 20BC
Brendan Stack, MD; David L. Steward, MD

Sleep Apnea Surgery: A to Z
SDCC, Room 32B
Robson Capasso, MD; Stanley Yung-Chuan Liu, MD, DDS

Treatment of Bilateral Vocal Fold Immobility
SDCC, Ballroom 6D
Sid Khosla, MD, MS; Gayle Woodson, MD

Closure Techniques for CSF Leaks and Anterior Skull Base Defects
SDCC, Room 31BC
Islam R. Herzallah, MD, PhD; Roy Casiano, MD; Amy Anstead, MD; Susanne M. Reinartz, MD, PhD

MINISEMINARS

Allergy: It's Not Just the Nose!
Supported by the Allergy, Asthma, and Immunology Committee
SDCC, Room 28AB
Christopher D. Brook, MD (Moderator); Michael Platt, MD, MS; Jennifer Derebery, MD; Maria Veling, MD; Pieter Noordzij, MD

Balloon Sinuplasty: Indications, Technique, and Evidence
SDCC, Room 28C
Abtin Taboee, MD (Moderator); John Bent, MD; Michael Setzen, MD; Waleed M. Abuzeid, MD

Breathe Now, Speak Later: Acute Airway Trauma Management
Supported by the Trauma Committee
SDCC, Room 28DE
Robert Eller, MD (Moderator); Anna Pou, MD; Travis Newberry, MD; Nelson Scott Howard, MD, MBA; Steven Schaefer, MD

Challenges and Controversies in Vestibular Testing
Supported by the Equilibrium Committee
SDCC, Ballroom 6A
Yuri Agrawal, MD (Moderator); Joel A. Goebel, MD; Judith A. White, MD, PhD; Meredith Adams, MD; Sanjay Bhansali, MD; David M. Kaylie, MD, MS

Cough Challenges: Assessment and Treatment
SDCC, Ballroom 6F
Robert J. Stachler, MD (Moderator); Kenneth W. Altman, MD, PhD; Seth M. Cohen, MD, MPH; Pieter Noordzij, MD
Sex, Drugs, and Cancer: Talking to Patients about HPV
Supported by the Ethics Committee
SDCC, Room 33
Andrew G. Shuman, MD (Moderator); Jason C. Goodwin, MD; Alexander Langerman, MD, MS; Evan M. Graboyes, MD; Jason Showmaker, MD

Topical Therapy for Chronic Rhinosinusitis: Snake Oil or Cure? Supported by the Outcomes Research and Evidence-Based Medicine Committee
SDCC, Ballroom 20A
Greg Davis, MD, MPH (Moderator); James N. Palmer, MD; Peter J. Wormald, MD; Bradford Woodworth, MD

What’s New in Managing Chronic Otitis Media?
Supported by the Otology and Neurotology Education Committee
SDCC, Ballroom 6C
Richard K. Gurgel, MD (Moderator); Dennis I. Bojrab, MD; George B. Warna, MD; Brandon Isaacson, MD; Eric Smouha, MD; James V. Crawford, MD

SCIENTIFIC ORAL PRESENTATIONS
BMP BUSINESS OF MEDICINE/PRACTICE MANAGEMENT & PATIENT SAFETY AND QUALITY IMPROVEMENT
Moderators: Dole P. Baker, Jr., MD; Richard W. Wageuspack, MD
SDCC, Room 31A
11:15 am Mobile App Allows for Assessment of Intraoperative Performance
Elliott D. Kozin, MD; Jordan Bohnen, MD; Brian George, MD; Stacey Tutt Gray, MD
11:21 am Resident Involvement in Inpatient Otolaryngology Procedures
Andrew B. Baker, MD; Alexander Sokohl, MD; Brendan P. O’Connell, MD; Phong Le, MD; Shaun A. Nguyen, MD, MA; Ted Meyer, MD, PhD
11:27 am Reliability of Nerve Monitoring Endotracheal Tube in Thyroidectomy
David S. H Kim, MD; Robert C. Wang, MD
11:33 am Epidemiology and Management of Pediatric Epistaxis
Tiffany P. Baugh, MD; C. W. David Chang, MD
11:39 am ENT vs. General Surgery Tracheotomy Experience in Residency
David Lesko, BS; Ceisha Ukatu, MD; Jason Showmaker, MD; C. W. David Chang, MD
11:45 am  Modifiable Applicant Characteristics in the Otolaryngology Match
Cristina Cabrera-Muffly, MD; Vivian Nguyen; Leah Hauser, MD; Grant Gebhard, MD;

11:51 am  Time-Related Outcomes of Dedicated Otolaryngology Consult Service
Ronald J. Schroeder, II, MD; Brian D. Nicholas, MD

11:57 am  Affordable Care Act Expanded Coverage Provision in Otolaryngology
Stephen R. Chorney, MD; Richard T. Kelley, MD

12:03 pm  Clinical Evidence Supporting FDA Approval of Novel Drugs and Devices
Vinay K. Rathi, BA; Bo Wang; Joseph S. Ross, MD, MHS; Nicholas S. Downing, MD; Aaron S. Kesselheim, MD, JD, MPH; Stacey T. Gray, MD

SCIENTIFIC ORAL PRESENTATIONS

GO GENERAL OTOLARYNGOLOGY

Moderators: Dana M. Thompson, MD MS; Erika Walsh, MD
SDCC, Room 32A

11:15 am  Drosophila as a Drug-Screening Tool in Medullary Thyroid Cancer
John M. Rozehnal, BA; Erdem Bangi, PhD; Ross Cagan, PhD; Michael Donovan, MD, PhD; Marshall Posner, MD; Eric Schadt, PhD; Krzysztof Misikiewicz, MD

11:21 am  Parathyroidectomy for Hyperparathyroidism: Morbidity and Mortality
Michael Friedman, MD; Lauren B. Bonzelaar, MD; Michelle S. Hwang, BS; Anna M. Salapatas, MS

11:27 am  Parathyroidectomy for Tertiary Hyperparathyroidism
Michael Friedman, MD; Jacob J. Friedman, BA; Michelle S. Hwang, BS; Lauren B. Bonzelaar, MD; Anna M. Salapatas, MS

11:33 am  A Fresh Cadaver Model for the Instruction of Thyroid Mass FNA
Hilary C. McCraky, MPH; Eryne A. Faucett, MD; Audriana N. Hurbon; Tijana Milinic; Jose A. Cervantes; Sean L. Kent; William J. Adams-Rappaport, MD

11:39 am  Prevention of Tracheostomy-Related Pressure Ulcers
Thomas O’Toole, MD; Brian Hondorp, MD; Laura Crawford, RN; Lisa Boudreau, RN; Natalie Jacobs, MSN, RN-BC; Phillip S. LoSavio, MD, MS
11:45 am  A New Safe Technique for Percutaneous Tracheotomy: SafeTrach
Gregori Margolin, PhD; Johan Ullman, MD

11:51 am  Are Difficult Tracheostomies the ‘Standard” for Otolaryngologists?
Kristan P. Alfonso, MD; Rony K. Aouad, MD; Anita Rajagopal, MD

11:57 am  EKG Electrode as a Tactile Locator of Stoma Post Decannulation
Laura Garcia-Rodriguez, MD; Tayaba Miah; Jamie Lindholm, MS, CCC-SLP; Steven Chang, MD; Tamer Ghanem, MD, PhD

12:03 pm  A Five-Year Analysis of Head and Neck Injuries Involving Non-Powder Firearms
Kartik V. Dandu, MD; Eric Carniol, MD, MBA; Saurin Sanghvi, MD; Soly Baredes, MD; Jean Anderson Eloy, MD

12:09 pm  An Extubation Protocol for Angioedema
Elizabeth M. Floyd, MD; Nira A. Goldstein, MD, MPH; Joshua B. Silverman, MD, PhD; Miguel Mascaro, MD; Rauno Joks, MD; Denny Varughese, BA; Bradley M. Dickson

12:15 pm - 1:15 pm
LUNCH WITH THE EXPERTS
SDCC, Hall D, Booth 2054

Head and Neck Cancer: James L. Netterville, MD
Head and Neck Cancer: Maie St. Johns, MD, PhD
Head and Neck Surgery: Cherie Ann O. Nathan, MD
Head and Neck Surgery: Randal S. Weber, MD
Laryngology: Albert L. Merati, MD
DAILY SCHEDULE

1:15 pm - 2:15 pm

MASTERS OF SURGERY VIDEO PRESENTATIONS
SDCC, Room 30DE

1:15 pm  Osteocutaneous Radial Forearm Free Flap Harvest and Plating
Yelizaveta Shnayder, MD

1:25 pm  TORS Total Laryngectomy
Richard V. Smith, MD

1:35 pm  Internal Mammary Vessel Harvest
Laura Garcia-Rodriquez, MD; Tamer Ghanem, MD, PhD

1:45 pm  TORS Supraglottic Laryngectomy
Richard V. Smith, MD

1:55 pm  The Value of Using PFT Post Endoscopic Ballon Laryngoplasty in SGS
Mai Abdulla Nasser, MD; Ahmed Al Ammar, MD

2:05 pm  Minne Ties Technique in the Management of Mandible Fractures
Alan W. Johnson, MD

INSTRUCTION COURSES

AERD in Nasal Polyposis: A Modern Protocol for Diagnosis and Treatment
SDCC, Room 28AB
Jan Gosepath, MD, PhD; Kai Fruth, MD, PhD

Aggressive Nonmelanoma Skin Cancer: Concepts and Case Studies
SDCC, Room 25A
Brian A. Moore, MD; Matthew Hanasono, MD

Another Five Landmarks to Make You an Even Better Sinus Surgeon
SDCC, Room 28C
Ralph B. Metson, MD

Avoiding Management Errors of Suspected Head and Neck Tumors
SDCC, Room 258C
Eric Moore, MD; Jeffrey Janus, MD
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<td>Eric Moore, MD; Jeffrey Janus, MD</td>
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<td>2:55 pm</td>
<td>BPPV: The One’s That Don’t Get Well</td>
<td>Mans Magnusson, MD, PhD</td>
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<td>3:05 pm</td>
<td>Clinical Fundamentals: Clinical Outcome Measures/Evidence-Based Medicine</td>
<td>Michael G. Stewart, MD, MPH</td>
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<td>3:15 pm</td>
<td>Common Errors in Voice Diagnosis: 16 Cases in 60-Minutes</td>
<td>Peak Woo, MD</td>
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<td>3:25 pm</td>
<td>Frontal Sinus Trauma: Comprehensive Diagnosis and Treatment</td>
<td>E. Bradley Strong, MD</td>
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<td>3:35 pm</td>
<td>Improving Risk Communication in Otalaryngology</td>
<td>Jay F. Piccirillo, MD; Judith E. C. Lieu, MD, MPH</td>
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<td>3:45 pm</td>
<td>Management of Laryngeal Paralysis in Children</td>
<td>Marshall E. Smith, MD</td>
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<td>3:55 pm</td>
<td>Medical-Legal Evaluation of Hearing Loss and Tinnitus</td>
<td>Robert Dobie, MD</td>
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<td>4:05 pm</td>
<td>Recognizing Neurological Voice Problems</td>
<td>Phillip Song, MD</td>
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<td>4:15 pm</td>
<td>Salvage Surgery and Its New Stage System for Local Recurrent NPC</td>
<td>Ming-Yuan Chen, MD; Xiong Zou, MD, PhD</td>
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<td>4:25 pm</td>
<td>Sialendoscopy: Getting Started, Solving Problems</td>
<td>Barry M. Schaitkin, MD; Ricardo L. Carrau, MD; Rohan R. Walvekar, MD</td>
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<td>4:35 pm</td>
<td>Surgery of the Inferior, Middle, and Superior Turbinates</td>
<td>Peter H. Hwang, MD; Richard Orlandi, MD</td>
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<td>4:45 pm</td>
<td>Temporal Bone Cancer</td>
<td>Paul W. Gidley, MD</td>
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<tr>
<td>4:55 pm</td>
<td>Tips and Tricks to Avoid Complications in Endoscopic Sinus Surgery</td>
<td>Zara M. Patel, MD; Stacey T. Gray, MD</td>
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INTERNATIONAL SYMPOSIA

French Guidelines of the Use of CT Scan in the Diagnosis of Otosclerosis
SDCC, Room 31BC
Bernard G. Fraysse; Olivier Sterkers, MD, PhD

MINISEMINARS

AAO-HNSF Clinical Practice Guideline (Update): Cerumen Impaction Supported by the Guideline Task Force
SDCC, Ballroom 6C
Seth R. Schwartz, MD, MPH (Moderator); Anthony E. Magit, MD; Richard M. Rosenfeld, MD, MPH

Learn the Steps on How to Get Involved with the Annual Meeting
SDCC, Room 29CD
Mark K. Wax, MD (Moderator); Richard V. Smith, MD; Johnnie White, MBA, CAE, CMP

Management of the Sleep Patient: There’s Something Besides OSA? Supported by the Sleep Disorders Committee
SDCC, Room 32B
Alan Kominsky, MD (Moderator); Ryan Soose, MD; Kathleen L. Yaremchuk, MD; Raj C. Dedhia, MD, MS

Point of Care Ultrasound for the Otolaryngologist
Supported by the Head and Neck Surgery and Oncology Committee, Imaging Committee, and Treatment Modalities Steering Committee
SDCC, Room 28DE
R. Christopher Miyamoto, MD (Moderator); Lisa A. Orloff, MD; Christopher Fundakowski, MD; Arjun Joshi, MD; Benjamin Cable, MD; Russell B. Smith, MD

Unusual Tinnitus Cases: It’s Not All Primary Idiopathic
Supported by the Otology and Neurotology Education Committee
SDCC, Ballroom 6A
Daniel H. Coelho, MD (Moderator); George B. Wanna, MD; Adrien Eshraghi, MD; Erika Woodson, MD; Simon Angeli, MD

Up Your Game: Slick Surgery in the Head and Neck
Supported by the Head and Neck Surgery and Oncology Committee
SDCC, Ballroom 20D
Alexander Langerman, MD, MS (Moderator); Daniel Deschler, MD; Jeremy Richmon, MD; Niles R. Vasan, MD
SCIENTIFIC ORAL PRESENTATIONS

LBE LARYNGOLOGY/BRONCHO-ESOPHAGOLOGY

Moderators: Amanda Hu, MD; Thomas L. Carroll, MD
SDCC, Room 32A

1:15 pm A Simple Method to Objectively Evaluate the Laryngeal Adductor Reflex
Bridget L. Hopewell, MD; Brett Blake; Hirsch Srivastava, BS; Alyssa Ovaitt, BS; Cameron Hinkel, BS; Matthew P. Page, MD; Teresa E. Lever, PhD

1:21 pm Chronic Superior Laryngeal Nerve Stimulation to Treat Dysphagia
Aaron Thiessen, MD; Jakob Allen, BS; Ian Denninger; Kate L. Robbins, MS; Alexis Mok; Navid Khodaparast, PhD; Teresa E. Lever, PhD

1:27 pm Exploring the Effects of Serotonin Deficiency on Swallowing
Joe Sinnott, BS; Kate L. Robbins, MS; Alexis Mok; Kaitlin Flynn; Kevin Cummings, PhD; Teresa E. Lever, PhD

1:33 pm A Surgical Mouse Model of Latrogenic Laryngeal Nerve Injury
Jakob Allen, BS; Aaron Thiessen, MD; Kate L. Robbins, MS; Ian Deninger; Kaitlin Flynn; Victoria Caywood; Teresa E. Lever, PhD

1:39 pm Subjective Assessment of Videofluoroscopic Swallow Studies
Janet W. Lee, MD; Derrick R. Randall, MD, MSc; Lisa M. Evangelista, CScD, CCC-SLP, BCS-S; Maggie A. Kuhn, MD; Peter C. Belafsky, MD, PhD, MPH

1:45 pm Characteristics and LEMG Findings of Non-Surgical Related UVFP
Tuan-Jen Fang, MD; Yu-Chen Pei, MD, PhD

1:51 pm Risk Factors for Readmission after Partial or Total Laryngectomy
Jacob Brady, BA; Stuti Desai, BA; Amy Bansal, MD; Richard C. Park, MD; Jean Anderson Eloy, MD; Soly Baredes, MD

1:57 pm Hinged Skin Flap Technique for Closure of Tracheocutaneous Fistulas
Oswaldo A. Henriquez-Ajami, MD; Danielle Scarola; Kevin Matarnedi, MD; Charles E. Moore, MD

2:03 pm Diagnostic Yield and Cost of In-Office Laryngopharyngeal Biopsies
Sonya Marcus, MD; Micah Timen, MS; Gregory R. Dion, MD; Mark A. Fritz, MD; Ryan C. Branski, PhD; Milan R. Amin, MD
SCIENTIFIC ORAL PRESENTATIONS

RA RHINOLOGY/ALLERGY

Moderators: Zara M. Patel, MD; Do-Yeon Cho, MD
SDCC, Room 31A

1:15 pm An RCT of Sodium Citrate Spray for Non-Conductive Olfactory Disorders
Carl Philpott, MD, FRCS; Sally E. Erskine, MD

1:21 pm Mapping the Frontal Recess: Guiding Efficient Frontal Sinus Surgery
Neil S. Patel, MD; Amy C. Dearking, MD; Erin K. O’Brien, MD; John F. Pallanch, MD

1:27 pm Biologics and Nasal Polyps: A Systematic Review and Meta-Analysis
Alexander Rivero, MD; Jonathan Liang, MD

1:33 pm Intranasal Airflow Distribution and Perception of Nasal Patency
Kevin P. Casey, MD; Guilherme J. M. Garcia, PhD; Azadeh A. T. Borjomi, PhD; Lisa J. Koenig, BChD, DDS, MS; John S. Rhee, MD, MPH

1:39 pm Olfactory and Gustatory Function of HIV Infected and Uninfected Women
Ayotunde James Fasunla, MD; Adekunle Daniel, MD, MBBS; Ukamaka J. Nwankwo, MD, MBBS; Kehinde Bolanle Kuti, MD, MBBS; Onyekwere George Nwaorgu, MD, MBBS, FWACS, FMCORL; Olusina Olusegun Akininyika, MD, MBBS; PhD

1:45 pm Neighborhood Quality Is Associated with Olfaction in Older US Adults
Michael P. McCartin, BS; Michael Kozloski, PhD; David W. Kern, PhD; Kristen Wroblewski, MS; Kathleen Cagney, PhD; Martha K. McClintock, PhD; Jayant Pinto, MD

1:51 pm Aging Factors and the Clinical Presentation and Management of CRS
Axel E. Renteria, MSc; Leandra Mfuna Endam, MSc; Martin Desrosiers, MD, FRCS

1:57 pm Microdebrider Inferior Turbinectomy vs. the Conventional Method
Ahmed Hesham Fawzy, MD

2:03 pm Effects of Mucosal Decongestion on Nasal Aerodynamics
Guilherme J. M. Garcia, PhD; Giancarlo Cherobin, MD; Kevin P. Casey, MD; Azadeh A. T. Borjomi, PhD; Lisa J. Koenig, BChD, DDS, MS; Richard Voegels, MD; John S. Rhee, MD, MPH
2:30 pm - 3:30 pm

HONORARY GUEST LECTURE

Legends of Otolaryngology Lecture Featuring M. Eugene Tardy Jr., MD

SDCC, Ballroom 6A
M. Eugene Tardy Jr., MD

3:45 pm - 4:40 pm

INTERNATIONAL SYMPOSIA

Debate: The Altered Microbiome in CRS - Casuation or Association?
SDCC, Room 31BC
A. Simon Carney, MD; Richard Harvey, MD, PhD; Anders Cervin, MD; Alkis Psaltis, PhD, MBBS; Richard G. Douglas, MD

3:45 pm - 5:45 pm

INSTRUCTION COURSES

Chronic Ear Disease: Surgical Decisions and Techniques
SDCC, Ballroom 20A
David S. Haynes, MD; George B. Wanna, MD; Alejandro Rivas, MD

Cochlear Implantation: Special Emphasis on Hearing Preservation
SDCC, Ballroom 6C
Ravi Samy, MD; Sebastien Schmerber, MD, PhD; Alexandre Karkas, MD, MSc

Crystal Clear BPPV
SDCC, Ballroom 6B
Michael T. Teixido, MD

Drug-Induced Sleep Endoscopy in Obstructive Sleep Apnea
SDCC, Room 29CD
Eric J. Kezirian, MD, MPH; Winfried Hohenhorst, MD

Endoscopic Management of the Pediatric Airway
SDCC, Room 10
Charles M. Bower, MD; Gresham T. Richter, MD; Daniel Kirse, MD; Steven E. Sobol, MD, MS
DAILY SCHEDULE

General Otolaryngology Recertification/Certification Review Course
SDCC, Room 26
Karen T. Pitman, MD; Bradley Kesser, MD; Stacey L. Ishman, MD, MPH; Philip Zapanta, MD; Karen Calhoun, MD

Head and Neck Surgery Recertification/Certification
SDCC, Room 25BC
Alfred Simental, Jr., MD; Joseph Scharpf, MD; Bradley Schiff, MD; Liana Puscas, MD, MS

Integrating Oral Appliances into Your Sleep Apnea Practice
SDCC, Room 23C
Ofer Jacobowitz, MD, PhD, FAASM; Tod C. Huntley, MD

Pediatric Otolaryngology for the Office-Based Practitioner
SDCC, Room 24BC
Ian N. Jacobs, MD; David E. Tunkel, MD

Scar Wars: Treating the Elusive Scar?
SDCC, Room 30BC
David B. Hom, MD; J. Regan Thomas, MD

Sudden Sensorineural Hearing Loss: An Otologic Emergency?
SDCC, Ballroom 6A
Sujana S. Chandrasekhar, MD; James E. Saunders, MD; Andrea Vambutas, MD; Seth R. Schwartz, MD, MPH

The Actor and Singer as Patients of the Laryngologist
SDCC, Ballroom 6E
Robert T. Sataloff, MD; Michael S. Benninger, MD; Albert L. Merati, MD; William Riley, MPH

Updates in Rhinology: Keeping Your Practice at the Cutting Edge
SDCC, Room 30A
Benjamin Saul Bleier, MD; Rodney Schlosser, MD; Noam Cohen, MD, PhD; Bradford Woodworth, MD

Vocal Nodules, Polyps, and Cysts: Diagnosis and Current Treatment
SDCC, Room 33
Clark A. Rosen, MD

MINISEMINARS

2016 Thyroid Cancer Update: A Review of the New American Thyroid Association Guidelines Supported by the Head and Neck Surgery and Oncology Committee, and Endocrine Surgery Committee
SDCC, Ballroom 6F
Michael Moore, MD (Moderator); Michael C. Singer, MD; Maisie Shindo, MD; Derrick T. Lin, MD; Scharukh Jalisi, MD; Kevin Brumund, MD; Wendy Sacks, MD
Advanced Cutaneous Cancers of the Head and Neck: A Tumor Board Discussion
Supported by the Head and Neck Surgery and Oncology Committee, and American Head and Neck Society (AHNS)
SDCC, Ballroom 20BC
Cecelia E. Schmalbach, MD, MS (Moderator); Carol R. Bradford, MD; Jeffrey C. Liu, MD; Steven J. Wang, MD; Robert Frankenthaler, MD

All That’s Red Isn’t Reflux: Getting Smarter about Laryngopharyngeal Reflux Supported by the Laryngology and Bronchoesophagology Education Committee
SDCC, Room 28DE
Lee M. Akst, MD (Moderator); Peter C. Belafsky, MD, PhD, MPH; Thomas Carroll, MD; Catherine Lintzenich, MD; Milan R. Amin, MD

Business of Medicine for Residents and Fellows Planning for the Future
SDCC, Room 30DE
Lee Eisenberg, MD, MPH (Moderator); Bill Moran, MD; Mark K. Wax, MD; Thomas Malekzadeh, MD; Christine B. Francese, MD

FESS in 2016: From Minimally Invasive Surgery to Personalization
SDCC, Room 28AB
Martin J. Citardi, MD (Moderator); Seth M. Brown, MD, MBA; Peter H. Hwang, MD; Michael Sillers, MD

Practical Head and Neck Regional Reconstruction Supported by the American Head and Neck Society (AHNS)
SDCC, Room 25A
Matthew Old, MD (Moderator); Vasu Divi, MD; Tamer Ghanem, MD, PhD; Gregory K. Hartig, MD; Joshua Hornig, MD

Residency Education in the New Millennium: Getting up to Speed Supported by the Otolaryngology Program Directors Organization (OPDO) And Society of University Otolaryngologists-Head and Neck Surgeons (SOU-HNS)
SDCC, Room 29AB
Marita S. Teng, MD (Moderator); Anna Messner, MD; Sukgi S. Choi, MD; Barry M. Schaitkin, MD; Stacey T. Gray, MD

Strategies to Manage Chemoradiation-Associated Dysphagia Supported by the Airway and Swallowing Committee
SDCC, Ballroom 6D
Dinesh K. Chhetri, MD (Moderator); Nausheen Jamal, MD; Andrew Erman, MS; Barbara Ebersole, MA

Technical Pearls in Optimizing Success from Endoscopic Sinus Surgery
SDCC, Room 28C
Devyan Lal, MD (moderator); Peter H. Hwang, MD; Roy Casiano, MD; Brent A. Senior, MD; Rakesh Chandra, MD
SCIENTIFIC ORAL PRESENTATIONS

GENERAL OTOLARYNGOLOGY

Moderators: Doug Trask, MD, PhD; Rodney J. Taylor, MD
SDCC, Room 31A

3:45 pm  **Medical vs. Surgical Treatment of Peritonsillar Abscesses in Adults**
Alex S. Battaglia, MD, PhD; Raoul Burchette, MA, MS; Linda Mackinnon, MPH; Jacob Husseman, MD; Matthew A. Silver, MD; Peter Martin, MD; Paul Bernstein, MD

3:51 pm  **Liposomal Bupivacaine (Exparel) for Tonsillectomy**
Michael Olson, MD; Eric Moore, MD; Daniel Price, MD

3:57 pm  **The Effects of Treatment Length and Disease Severity in LPR**
Christine D’Aguillo, MD; Erin Rachel Cohen, MD; Jamal Ahmed, MD; Kaming Lo, MPH; Jose Ruiz, m.D.; Chetan Nayak, MD

4:03 pm  **National Readmission Rates after Tonsillectomy**
Andrew J. Chang, MD, MPH; Romaine Johnson, MD, MPH; Ron B. Mitchell, MD

4:09 pm  **Comparison of CT and US in Sialolithiasis and Sialendoscopy Outcomes**
W. Walsh Thomas, MD; Jennifer Douglas, BA; Christopher Rassekh, MD

4:15 pm  **Adenotonsillectomy in Sickle Cell Disease: A Systematic Analysis**
Elizabeth G. Gardner, MD; Sohit P. Kanotra, MD

4:21 pm  **The Parotid Megaduct: Operative Management and Short-Term Outcomes**
Amy Schell, MD; Barry M. Schaitkin, MD; M. Boyd Gillespie, MD; Arjun Joshi, MD

4:27 pm  **Association of Sicca Syndrome with HTLV-1 Infection**
Clara Monica Lima, MD; Marcus M. Lessa, PhD

4:33 pm  **Short Wave Infrared Otoscopy: A Novel Modality for Middle Ear Imaging**
Tulio Valdez, MD, MSc; Jessica A. Carr, BS; Oliver T. Bruns, PhD; Katherine Kavanagh, MD; Christopher Grindle, MD; Valerie Cote, MD

4:39 pm  **Anatomy Specific Virtual Simulation in Temporal Bone Dissection**
Garrett Locketz, MD; Justin T. Lui, MD; Sonny Chan, PhD; Kenneth Salisbury, PhD; Nikolas H. Blevins, MD
4:45 pm  **OTO-201 for the Treatment of Otitis Externa: Phase 2 Clinical Trial**
Eric Mair, MD; John Ansley, MD; Ken Maxwell, MD; Carl LeBel, PhD

4:51 pm  **Prominent Condylar Veins Causing Pulsatile Tinnitus**
Matthew D. Alexander, MD; Karl Meisel, MD; Van Halbach, MD; Christine Glastonbury, MBBS; Alvin Lau, MD; Matthew R. Amans, MD, MSc

4:57 pm  **Treatment of Sudden SNHL: Patient Characteristics and Outcomes**
Faisal Ahmad, MD; John C. Goddard, MD

5:03 pm  **What Is That Sound? MR Venous Flow in Sigmoid Sinus Diverticulum**
Matthew R. Amans, MD, MSc; Farshid Faraji, MS; Evan Kao; Sarah Kefayati, PhD; Karl Meisel, MD; Van Halbach, MD; David Saloner, PhD

5:09 pm  **Conductive Loss Following Implantation with Med-El Internal Device**
Jessi Middaugh, MD; Timothy Hullar, MD; Angela Garinis, PhD; Corey Shayman, BS

5:15 pm  **The Effect of Haptic Force Resolution in Virtual Temporal Bone Surgery**
Michael Gousseau, MD; Bertram Unger, MD, PhD; Jordan B. Hochman, MD, FRCS(C); Nariman Sephari, PhD; Vivek Rampersad, MSc; Justyn Pisa, MSc, AuD

5:21 pm  **Optimizing Positioning for In-Office Otology Procedures**
Nandini Govil, MD, MPH; William M. DeMayo, BS; Barry E. Hirsch, MD; Andrew A. McCall, MD

5:27 pm  **Psychiatric Illness in Pulsatile Tinnitus Patients**
Matthew R. Amans, MD, MSc; Van Halbach, MD; Alvin Lau, MD; David McCoy; Christine Glastonbury, MBBS; Karl Meisel, MD

5:33 pm  **Hearing Loss Among Delinquent Youths in a Borstal Institution**
Habeeb Kayodele Omokanye, MD, MBBS; Emmanuel Folu Ologe, MD, MBBS; Adekunle David Dunmade, MD, MBBS; Mosunmola Florence Tunde-Ayinmode, MBBS, FMCPsyCh; Mubashir M. B. Uthman, MD, MBBS; Musbau Olawale, MBBS, MPH

5:39 pm  **New Endoscopic Otologic Procedures**
Vincent Honrubia, MD; Allyssa Cantu, PA-S; Sharon Gelman, Med, PA-S; Rachel Tsai, BS
SCIENTIFIC ORAL PRESENTATIONS

HNS  HEAD AND NECK SURGERY

Moderators: Cherie-Ann O. Nathan, MD; Susan McCammon, MD
SDCC, Room 32A

3:45 pm  Multi-Site Comparison of Post-Op Outcomes in Free Flaps Following HNC
Amy M. Williams, PhD; Joshua Greene, MD; Jeremy Richmon, MD; Matthew Hanasono, MD; Mark K. Wax, MD; Yelizaveta Shnayder, MD; Tamer Ghanem, MD, PhD

3:51 pm  Functional Outcomes of Salvage Total Laryngectomy Reconstruction
Sally Nguyen, MD; François Thuot, MD, FRCS

3:57 pm  A Novel Radiation Protector Improves Fasciocutaneous Flap Survival
Lucas Bryant, MD; Jillian Cooper, BS; Anupriya Ganguly; Gregory A. Epps, MD; Ulrich Rodeck, MD; Adam Luginbuhl, MD

4:03 pm  Cytoprotective Effect of Adipocyte Stem Cells in Osteoradionecrosis
Katherine Lees, MD; Ruben Crespo-Diaz, MD; Atta Behfar, MD, PhD; Serban San Marina, MD, PhD; Cody Wyles, BS; Jeffrey Janus, MD

4:09 pm  Prolonged Antibiotics in Flap Reconstruction for Mandibular ORN
Francis X. Creighton, Jr., MD; Daniel Deschler, MD; Kevin Emerick, MD; Derrick T. Lin, MD; Marlene Durand, MD

4:15 pm  Initiation of Feeding in Head and Neck Reconstruction Patients
Bridget D. Burgess, MD; Eric Thorpe, MD; William J. Bruce, BS

4:21 pm  The Vena Anastomotica of the Radial Forearm Free Flap: Our Experience
Shamit Chopra, MD; Vikas Arora, MS; Meenakshi Bangar; Vikram Bhandwaj, MS; Saurabh Sharma, MCh

4:27 pm  Tobacco-Related Complications in Head and Neck Free Flap Surgery
Andrey Filimonov; Jacob Brady, BA; Kristin A. Echanique, BA; Jean Anderson Eloy, MD; Soly Baredes, MD; Richard C. Park, MD
4:33 pm  Flap Reconstruction as Risk Factor for Post-Operative VTE in ENT Cases  
Efstathios Karamanos, MD; Tamer Ghanem, MD, PhD; Ryan Kather; Ilan Rubinfeld, MD

4:39 pm  Predictive Model of Delirium after Free Flap for Head and Neck Cancer  
Nayeon Choi; Hanhyeol Kim, MD; Gil Joon Lee, MD; Chung-Hwan Baek; Man Ki Chung

4:45 pm  The Frailty Index: ICU Complications in Head/Neck Reconstruction  
Nicholas B. Abt, BS; Yanjun J. Xie, BA; Jeremy Richmond, MD; Nishant Agrawal, MD

4:51 pm  Two-year Mortality in Elderly Free Flap Patients: Case-Control Study  
Candace Mitchell, MD; Richard A. Goldman, MD; Brendan Judy, BA; Joseph M. Curry, MD; Ryan Heffelfinger, MD; Adam Luginbuhl, MD; David Cognetti, MD

4:57 pm  Submental Flap for Reconstruction of Complex Head and Neck Defects  
Danielle Hoyne, MD; Rodrigo Bayon, MD

5:03 pm  Commissure Reconstruction with Radial Forearm and Palmaris Longus  
Vikas Arora, MS; Shamit Chopra, MD; Mayur Shingade, MDS; Saurabh Sharma, MCh

5:09 pm  The Probability of Plate Exposure in Oral Cancer Patients  
Tsung You Tsai, MD; Kai-Ping Chang, MD, PhD

5:15 pm  Classification of Tongue Cancer Resection and Treatment Algorithm  
Giuseppe Spinelli, MD; Giuditta Mannelli, MD; Francesco Arcuri, MD; Tommaso Agostini, MD; Marco Innocenti, MD

5:21 pm  Esophageal Perforation Following Anterior Cervical Spine Surgery  
Eric N. Appelbaum, MD; Reintine Han, BS; Thomas S. K. Lee, MD

5:27 pm  Surgical Management of Laryngotracheal Stenosis  
Yong Qin, MD, PhD
SCIENTIFIC ORAL PRESENTATIONS

ON OTOLOGY/NEUROTOLOGY

SDCC, Room 32B

MONDAY

3:45 pm  Role of Platelet Rich Plasma in Inlay Myringoplasty
Joginder Singh Gulia, MS; Smarpal Singh Yadav, MS;
Jai Singh Malik, MD; Priya Malik, MS

3:51 pm  Endoscopic vs. Microscopic Stapedectomy: Hearing Outcomes
Fazil N. Ardic, MD; Kamil Aykal, MD; Funda Tümkaya; Cüneyt Orhan Kara, MD

3:57 pm  Comparison of Outcomes in Endoscopic and Microscopic Tympanoplasty
Manuela Fina, MD; Robert Yang, MD; Stephen E. Asche, MA;
Bevan Yueh, MD, MPH

4:03 pm  Cholesteatoma Growth Pattern in Children
Inesangela Canali, MD; Letícia P. S. Rosito, PhD; Ricardo B. Kliemann;
Larissa P. Jung; Gabriel P. Albuquerque; Sady Selaimen da Costa, MD, PhD

4:09 pm  Auricular STSG for Ear Canal Coverage
Yarah M. Haidar, MD; Sartaaj Walla, BS; Yaser Ghavami, MD;
Kasra Ziai, MD; Jay M. Bhatt, MD; Harrison W. Lin, MD; Hamid R. Djalilian, MD

4:15 pm  Ossicular Reconstruction with Removal of the Malleus
Rex S. Haberman, II, MD; Anna M. Salapatas, MS

4:21 pm  Methylene Blue Stained Temporalis Fascia Graft Myringoplasty
Joginder Singh Gulia, MS; Bhushan Kathuria, MS; Smarpal Singh Yadav, MS

4:27 pm  Myringoplasty Using Fat and Platelet Rich Plasma, A New Procedure
Yasser Ahmed Fouad, MD; Mohammad Waheed El-Anwar, MD

4:33 pm  Correlating Audiometric and Vestibular Function in Meniere’s
Kyle McMullen, MD; Chen Lin, BA; Michael Harris, MD; Oliver F. Adunka, MD
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<tr>
<th>Time</th>
<th>Event</th>
<th>Presenters</th>
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<tbody>
<tr>
<td>4:39 pm</td>
<td>Current Management Practices in Ménière’s Disease</td>
<td>Joseph W. Clyde, BS; Benjamin Oberman, MD; Huseyin Isildak, MD; Jonathan Derr, MS, MBA</td>
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<td>4:45 pm</td>
<td>Diagnosis of Endolymphatic Hydrops Using MRI in Ménière’s Disease</td>
<td>Syed Ahsan, MD; Suresh Patel, MD</td>
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<td>4:51 pm</td>
<td>Diagnostic Value of ECoG and Vestibular Testing in Ménière’s Disease</td>
<td>Stefania Goncalves, MD; Rosemary Ojo, MD; Christine Dinh, MD; Hillary Snapp, AuD; Erin Ong; Alan Shamrock; Simon Angeli, MD</td>
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<td>4:57 pm</td>
<td>Evidence of Occult Intracranial Hypertension in Ménière’s Disease</td>
<td>Kareem O. Tawfik, MD; Shawn M. Stevens, MD; David Mihal, MD; Mark Castello, BS; Rebecca Cornelius, MD; Ravi Samy, MD; Myles Pensak, MD</td>
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<td>5:03 pm</td>
<td>Home Monitoring of Fluctuating Hearing Loss and Clinical Concordance</td>
<td>Matthew Bromwich, MD; Scott Kohlert, MD</td>
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<td>5:09 pm</td>
<td>Endolymphatic Duct Blockage vs IT Steroids on Ménière’s Disease</td>
<td>Issam Saliba, MD; Marc-Henri Asmar, MD; Marc-Elie Nader, MD, FRCSC; Salman Alhabib, MD</td>
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<td>5:15 pm</td>
<td>Dynamic Particles Re-Positioning Maneuver: A New Way to Treat LC-BPPV</td>
<td>Thomas Richard-Vitton, MD</td>
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**INTERNATIONAL SYMPOSIA**

**4:45 pm - 5:40 pm**

**Concepts, Classification, and Techniques in Hispanic Rhinoplasty**

SDCC, Room 31BC

Javier Dibildox, MD; Lorenzo Curiel Aceves, Sr., MD
Will you be known when you enter the room?

Having a fresh profile picture is an important part of social media. It shows that you are active and sends the message that you are current with technology.

Stop by ENTConnect’s Portrait Studio, located in the OTO Experience Hall, and spend a few minutes with our professional photographer.

Receive a free professional portrait available to use on ENTConnect, AcademyU®, all social media platforms, and beyond!
TUESDAY
SEPTEMBER 20

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, sponsored by: Arbor Pharmaceuticals

Eugene N. Myers, MD International Lecture on
Head and Neck Cancer, 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 SOLD OUT
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
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<th>Track Color Code</th>
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<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>Head and Neck Surgery</td>
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<td>Maintenance of Certification</td>
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<td>SM</td>
<td>Sleep Medicine</td>
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**Presentation Formats**
- ✰ = Audience Polling
- 🌙 = Hands-on
- 🎧 = Mini-course
- 🎉 = Non-CME

**OTO Open: The Official Open Access Journal of the American Academy of Otolaryngology—Head and Neck Surgery Foundation**

**SUBMISSIONS OPEN OCTOBER 1**

For more information, visit [www.editorialmanager.com/oto-open](http://www.editorialmanager.com/oto-open)
7:30 am - 8:25 am

INTERNATIONAL SYMPOSIA

Selective Upper Airway Stimulation in Obstructive Sleep Apnea
SDCC, Room 31BC
Clemens Heiser, MD; Olivier Vanderveken, MD; Benedikt Hofauer, MD; Paul H. van de Heyning, MD, PhD

7:30 am - 9:30 am

INSTRUCTION COURSES

Controlling the Message: How to Most Effectively Leverage the Media
SDCC, Room 28DE
Nancy Snyderman, MD; Anna Pou, MD; Steven Y. Park, MD

Cutting Edge Education: Getting Started with Simulation
SDCC, Room 23A
Sonya Malekzadeh, MD; Ellen S. Deutsch, MD, MS; Kelly Michele Malloy, MD

Mastoidectomy for the General Otolaryngologist
SDCC, Ballroom 6B
Rex S. Haberman, II, MD

Office-Based Ultrasonography of the Neck
SDCC, Room 23C
Hans Welkoborsky, MD, PhD, DDS; Lisa A. Orloff, MD

Pediatric OSA 2016: State-of-the-Art Management
SDCC, Room 10
Harlan Muntz, MD; Jeremy D. Meier, MD; Jonathan Skirko, MD

Pediatric Voice Disorders: Case-Based Assessment and Management
SDCC, Room 24BC
Alessandro De Alarcon, MD, MPH; Karen B. Zur, MD; J. Scott McMurray, MD; Scott M. Rickert, MD

Rhinology and Allergy Recertification/Certification Review Course
SDCC, Room 26
Brent A. Senior, MD; Stacey T. Gray, MD

SDCC, Room 33
Anand Devaiah, MD; Ivan El-Sayed, MD; Arnau Benet, MD
MINISEMINARS

A Cost-Effective Approach to the Work-Up of Cranial Neuropathies Supported by the Skull Base Surgery Committee
SDCC, Room 30A
Gregory J. Artz, MD (Moderator); Seilesh Babu, MD; Ryan G. Porter, Sr., MD; Joseph Spiegel, MD; David B. Conley, MD; J. Walter Kutz, MD

Advanced Practice Providers in ENT: What Can They Do for Your Practice?
SDCC, Room 29CD
Kristi Gidley, PA (Moderator); Jerry Schreibstein, MD; Scott P. Stringer, MD; Marie Gilbert, PA; April Hunt, MS, NP

Assessment and Treatment of Hypopharyngeal Obstruction in OSA Supported by the Sleep Disorders Committee
SDCC, Room 30DE
Michael Friedman, MD(Moderator); Eric J. Kezirian, MD, MPH; Edward M. Weaver, MD, MPH; Erica Thaler, MD; Hsin-Ching Lin, MD; Kathleen L. Yaremchuk, MD; Stanley Yung-Chuan Liu, MD, DDS

Contemporary Management of the Patient with Facial Paralysis Supported by the American Academy of Facial Plastic and Reconstructive Surgery (AAFPRS)
SDCC, Room 30BC
Mark K. Wax, MD (Moderator); Eben L. Rosenthal, MD; Tom D. Wang, MD; Fred Fedok, MD; Myriam Loyo, MD

Differing Approaches to Laryngeal Disease Supported by the Voice Committee, Young Physicians Section, and Section for Residents and Fellows Committee
SDCC, Ballroom 6E
Thomas Carroll, MD (Moderator); Nausheen Jamal, MD; Libby J. Smith, DO; Katherine C. Yung, MD

Difficult Nasal Polyposis: Evolving Treatment and Remedies
SDCC, Room 28AB
Bradford Woodworth, MD (Moderator); Doug Reh, MD; Jan Gosepath, MD, PhD; James N. Palmer, MD

Endoscopic Ear Surgery: Tips and Pearls Supported by the International Working Group on Endoscopic Ear Surgery (IWGEES)
SDCC, Ballroom 6A
Joao F. Nogueira, Jr., MD (Moderator); Muaaz Tarabichi, MD; Daniele Marchioni, MD; Livio Presutti, MD; David Pothier, MD; Daniel J. Lee, MD; Alejandro Rivas, MD
Genetic Testing 101 for the Otolaryngologist: Who, Why, and When to Test
Supported by the Head and Neck Surgery Education Committee, Ethics Committee, and the Pediatric Otolaryngology Education Committee
SDCC, Room 29AB
Andrew G. Shuman, MD (Moderator); Luke Schloegel, MD; Alfred Simental, Jr., MD; Leslie Manace Brennan, MD, MPhil

Major Complications in FESS: Tips from Expert Surgeons
Supported by the American Rhinologic Society (ARS)
SDCC, Room 28C
Marc A. Tewfik, MD, MS (Moderator); Peter J. Wormold, MD; Peter H. Hwang, MD; Ricardo L. Carrau, MD; Rowan Valentine, MD, PhD, MBBS; Richard G. Douglas, MD

Oropharynx Tumor Board: A Primer for the General Otolaryngologist
SDCC, Room 25A
Tamer Ghanem, MD, PhD (Moderator); Daniel Clayburgh, MD, PhD; Umamaheswar Duvvuri, MD, PhD; Neil Gross, MD; Julie E. Bauman, MD, MPH; Clifton David Fuller, MD, PhD

Sialendoscopy: Beginner’s Basics to Advanced Complex Challenges
Supported by the Medical Devices and Drug Committee
SDCC, Room 25BC
Gordon J. Siegel, MD (Moderator); David W. Eisele, MD; Rohan R. Walvekar, MD; Francis Marchal, MD; M. Boyd Gillespie, MD, MSc; Barry M. Schaitkin, MD

Thyroid Cancer Guidelines 2016 Around the World
Supported by the International Otolaryngology Committee, and Endocrine Surgery Committee
SDCC, 20BC
Mark E. Zafereo, Jr., MD (Moderator); Gregory W. Randolph, MD; Ralph P. Tufano, MD, MBA; Claudia R. Cernea, MD, PhD; Fernando L. Dias, MD, PhD; John C. Watkinson, MSc, MS, FRCS, DLO; Woong Youn Chung, MD, PhD

Treatment of Vocal Fold Paralysis: Static Procedures vs Innervation
SDCC, Ballroom 6F
James L. Netterville, MD (Moderator); Gaelyn Garrett, MD; Marshall E. Smith, MD; Mark Courey, MD; Peak Woo, MD
DAILY SCHEDULE

LARYNGOLOGY/BRONCHO-ESOPHAGOLOGY

Moderators: Amanda Hu, MD; Maya Sardesai, MD, MEd
SDCC, Room 31A

7:30 am Role of Oral Steroids in the Treatment of Phonotraumatic Lesions
Milan R. Amin, MD; Stratos Achlatis, MD; Shirley Gherson, CCC-SLP; Hayley Born, MD; Ryan C. Branski, PhD

7:36 am Predictors of Improvement in PVFMD
Scott Kramer MD; Michael Li, Brad deSilva MD, L. Arick Forrest MD, Laura Mataka MD

7:42 am Office-Based Biopsies for Laryngeal Lesions: Consecutive 581 Case
Wonjae Cha, MD, PhD; Byung-Woo Youn, MD; Jin-Choon Lee; Byung-Joo Lee, MD, PhD; Soo-Geun Wang, MD, PhD; Hyo Geun Choi, MD, MS; Ilyoung Cho, MD, PhD

7:48 am Real-Time Light-Guided Vocal Fold Injection: A Preliminary Report
Wonjae Cha, MD, PhD; Jung Hoon Roh, PhD; Soo-Geun Wang, MD, PhD; Jae-Keun Cho, MD; Jeon Yeob Jang; Hyo Geun Choi, MD, MS; Ji-Hwan Park, MD

7:54 am Five-Years Experience of Unilateral Vocal Fold Immobility
Raja Fakhoury, MD; Vyas Prasad, MSc, FRCS; Marc Remacle, MD, PhD; Diane Helou, MD; Georges Lawson, MD

8:00 am Benefit and Features of Type 2 Thyroplasty for Spasmodic Dysphonia
Tetsuji Sanuki, MD, PhD; Eiji Yumoto, MD, PhD; Yutaka Toya, MD, PhD

8:06 am Computer-Assisted Laser Control in Transoral Laser Microsurgeries
Luca Guastini, MD; Giorgio Peretti, MD; Francesco Mora, MD; Nikhil Deshpande, PhD; Leonardo Mattos, PhD

8:12 am Does Even a Low Grade Dysphonia Warrant Voice Center Referral?
Resha S. Soni, MD; Barbara Ebersole, MA; Nausheen Jamal, MD

8:30 am Role of Propranolol in Treatment of Infantile Subglottic Hemangioma
Jiarui Chen, MD; Xiaoyan Li, MD
8:36 am  Menstrual Cycle Effects on Vocal Folds Appearance and Performance
Hagit Shoffel-Havakuk, MD; Narin Nard Carmel Neiderman, MD; Dan Levin, MD; Doron Halperin, MD; Yonatan Lahav, MD

8:42 am  Unilateral Vocal Fold Paralysis Following Cardiothoracic Surgery
Cassandra Puccinelli, MD; Mara C. Modest, MD; Diana Orbelo, PhD; Dale Ekbom, MD

8:48 am  Heterogeneity of Clinical Symptoms in Vocal Fold Paresis
Jiarui Chen, MD; Xiaoyan Li, MD

8:54 am  Male to Female Transgender Phonosurgery: A Systematic Review
Ezinne J. Ihenachor, BS; Karuna Dewan, MD; Dinesh K. Chhetri, MD

9:00 am  Vocal Fold Imiquimod Injection: A Preclinical Animal Study
Stephanie E. Teng, MD; Gregory R. Dion, MD; Danielle N. Sin, MS; Milan R. Amin, MD; Ryan C. Branski, PhD

9:06 am  Cost-Effectiveness Analysis of In-Office Injection Laryngoplasty
Matthew G. Crowson, MD; Daniel J. Rocke, MD, JD; Seth M. Cohen, MD, MPH

9:12 am  Systematic Review: Outcomes of Intralesional Adjunct Use in Adult RRP
Sarah Drejet, MD; Matthew Thomas Brigger, MD, MPH; Noah Parker, MD; Elaine N. Skopelja, MALS
SCIENTIFIC ORAL PRESENTATIONS

ON OTOLOGY/NEUROTOLOGY

Moderator: Alan G. Micco, MD

SDCC, Room 32B

7:30 am
The Burden and Epidemiology of Eustachian Tube Dysfunction in Adults
Peter M. Vila, MD, MSPH; Tom Thomas, MD, MPH; Dennis S. Poe, MD, PhD; Jennifer J. Shin, MD, MS

7:36 am
Tympanoplasty and Mastoidectomy: 30-Day Morbidity and Mortality
Rex S. Haberman, II, MD; Anna M. Salapatas, MS; Lauren B. Bonzelaar, MD

7:42 am
Outcomes of Vestibular Schwannoma Surgery in the Elderly
Michael Sylvester; Darshan Shastri, BS; Milap Raikundalia, BS; Viral Patel, BS; Jean Anderson Eloy, MD; Soly Baredes, MD; Yu-Lan Ying, MD

7:48 am
Tympanoplasty Following Blast Injury
Matthew Keller, MD; Ryan Sload, MD; Peggy Han, MPH; Michael Galarneau, MS; Sean Wise, MD

7:54 am
Accuracy of the ETD-Q7 for Diagnosing Eustachian Tube Dysfunction
Miriam S. Teixeira; Jenna A. El-Wagaa; Selma Cetin-Ferra; Juliane M. Banks; Cuneyt M. Alper; J. Douglas Swarts

8:00 am
Analysis of the Acoustic Transcranial Bone Conduction
Catherine Dufour-Fournier, Resident; Arnaud Devèze, MD, PhD; Catherine Masson, PhD; Issam Saliba, MD; Jonathan Barbut, MD

8:06 am
Long Term Stability of Bone Cement for Incudostapedial Discontinuity
Kevin J. Choi, MD, MS; Matthew G. Crowson, MD; John McElveen, MD; Calhoun D. Cunningham, III, MD

8:12 am
MEO: A Devastating Disease Affecting Elderly Diabetics
Sagit Stern, MD; Ethan Soudry, MD; Yaniv Hamzany, MD; Ben Nageris, MD

8:18 am
Neurotologic Complications Following MVD: A Retrospective Study
Matthew Bartindale, MD; Jacquelyn Hill, BS, BA; Jason Bell, MD; Matthew Kircher, MD; Douglas Anderson, MD; John Leonetti, MD
8:30 am  Titanium Ossicular Chain Reconstruction Revision Success  
Phong Le, MD; Brendan P. O’Connell, MD; Andrew B. Baker, BS; Robert G. Keller, MD; Paul R. Lambert, MD

8:36 am  Drill Out Procedure for Dysplastic or Congenitally Absent Oval Window  
Michael D. Seidman, MD; Drue Manning, DO

8:42 am  ABG Closure after Stapedotomy and Long-Term Patient Satisfaction  
Kaitlyn F. Strickland, BS; Ryan S. Patton, BSN; Nicholas J. Panella, MD; Douglas E. Mattox, MD

8:48 am  Can Pre-Op Imaging Predict Facial Nerve Stimulation Following CI?  
Jonathan Hatch, MD; Michael Moore, MD; Paul R. Lambert, MD; Ted Meyer, MD, PhD; Theodore McRackan, MD

8:54 am  Ipsi- and Contralateral Stimulation with Bone-Conduction Implants  
Jameson K. Mattingly, MD; Nathaniel Greene, PhD; Herman Jenkins, MD; Daniel Tollin, PhD; Stephen Cass, MD

9:00 am  Pediatric Acute Otitis Media in the Era of Pneumococcal Vaccination  
Kareem O. Tawfik, MD; Stacey L. Ishman, MD, MPH; Mekibib Altaye, PhD; Jareen Meinzen-Derr, PhD; Daniel Choo, MD

9:06 am  Synopsis of Long-Term Complications after Ossiculoplasty  
Matthew Cox, MD; John Dornhoffer, MD
### DAILY SCHEDULE

**SCIENTIFIC ORAL PRESENTATIONS**

**SM  SLEEP MEDICINE**

Moderator: Doug Trask, MD, PhD  
SDCC, Room 32A

<table>
<thead>
<tr>
<th>Time</th>
<th>Presentation</th>
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| 7:30 am | **A Novel Technique for Adult Maxillary Expansion Using Micro-Implants**  
Stanley Yung-Chuan Liu, MD, DDS; Leh-Kiong Huon, MD; Christian Guillemainault, MD; Audrey Yoon, DDS, MS |
| 7:36 am | **Corrective Nasal Surgery after MMA: Experience from 385 Cases**  
Joanna Pi-Jung Lee, MD; Sorosh Zaghi, MD; Robert Riley, MD, DDS; Nelson Powell, MD, DDS; Robson Capasso, MD; Stanley Yung-Chuan Liu, MD, DDS |
| 7:42 am | **Upper Airway Stimulation: German Post Market Study**  
Clemens Heiser, MD; Armin Steffen – Prof., ENT; Joachim Maurer, MD |
| 7:48 am | **National Database Analysis of Single vs. Multilevel Sleep Surgery**  
Scott E. Brietzke, MD, MPH; Seth M. Cohen, MD, MPH; Derek Cyr, PhD; Stacey L. Ishman, MD, MPH; Eric J. Kezirian, MD, MPH; Jennifer Shin, MD, MS |
| 7:54 am | **Predictors of Success for OSA Targeted Hypoglossal Neurostimulation**  
Ofer Jacobowitz, MD, PhD, FAASM; Steve Amado Galeano, MD; Gideon Bachar, MD, MSc; Victor Certal, MD, PhD; Winfried Hohenhorst, MD; Eric Thuler, MD |
| 8:00 am | **Surgical Cure Rate of OSA with and Without Preoperative DISE**  
Colin Huntley, MD; David Chou; Karl Doghramji, MD; Maurits Boon, MD |
| 8:06 am | **Genioglossus Activity in Predicting the Outcomes of OSA Surgery**  
Jingying Ye, MD; Di Zhao, MD; Yanru Li, MD; Junfang Xian, MD; Yue Qu, MD; Junbo Zhang, MD; Xin Cao, MD |
| 8:12 am | **A Simple Economical Protocol for Drug Induced Sleep Endoscopy in OSAS**  
Vijaya Krishan Paramasivan, MBBS, DNB, DLO; Senthil Vadivu Arumugam, MBBS, DNB, DLO; Jeremy Jacob, MBBS, DNB; Amarnath Devarasetty, MBBS, DNB; Mohan Kameswaran, DSc, MS, FRCS (Ed) |
8:18 am  Changes in Reflux Symptom Index after Multilevel Surgery for OSA  
Min Young Seo, MD; Hyo Yeol Kim, MD, PhD

8:24 am  Changing Rates of Morbidity and Mortality with OSA Surgery  
Michael Friedman, MD; Lauren B. Bonzelaar, MD; Vinay Goyal, MA; Anna M. Salapatas, MS

8:30 am  Ultrasonographic Localization of Upper Airway Obstructions  
Amal Isaiah, MD, PhD; David L. Leong, PhD; Reuben Mezrich, MD, PhD; Jeffrey S. Wolf, MD

8:36 am  Validation Study of WatchPat 200 for Diagnosis of OSA in an Asian Cohort  
Jereme Yijin Gan, MD, MBBS (Monash, Aus), MRCS (ENT) (Edin.), MMed (ORL); Yaw Khian Chong, MBBS, FRCS

8:42 am  Gender and Sleep Position on Relationships Between Parameters and OSA  
Min Young Seo, MD; Gwanghui Ryu, MD; Jong In Jeong, MD; Hyo Yeol Kim, MD, PhD

8:48 am  Long-Term Incidence of VPI and Other Sequelae Following UPPP  
Michael Friedman, MD Lauren B. Bonzelaar, MD; Vinay Goyal, MA

8:54 am  Sleep Surgery in the Elderly: Lessons from the NSQIP Database  
Christopher Gouveia, MD; John Cramer, MD; Stanley Yung-Chuan Liu, MD, DDS; Robson Capasso, MD

9:00 am  Systematic Review of Drug-Induced Sleep Endoscopy Scoring Systems  
Janine Amos, DO; Cristina Baldassari, MD; Heather Nardone, MD; Megan L. Durr, MD; Stacey L. Ishman, MD, MPH

9:06 am  Insurance Status and the Incidence of OSA Diagnoses and Procedures  
Neil Bhattacharyya, MD, FACS

9:12 am  Snoring Is Associated with High-Risk Carotid Plaque Features on MRI  
Erin Marie Kirkham, MD, MPH; Thomas Hatsukami, MD; Susan Heckbert, MD, PhD; Edward M. Weaver, MD, MPH

9:18 am  The Influence of Head and Neck Radiation on Obstructive Sleep Apnea  
Phillip A. Huyett, MD; Amy Schell, MD; Seungwon Kim, MD; Jonas Johnson, MD; Ryan Soose, MD
8:30 am - 9:25 am

INTERNATIONAL SYMPOSIA

Protocol for Multilevel Surgery for OSA
SDCC, Room 31BC
Vikas Agrawal; Srinivas Kishore Sistla, MD, MS;
Vijaya Krishnan Paramasivan, MBBS, DLO, DNB, MNAMS

9:45 am - 10:45 am

HONORARY GUEST LECTURE

Eugene N. Myers, MD International Lecture on Head and Neck Cancer
SDCC, Ballroom 6A
Jonathan C. Irish, MD, MSC, FRCSC

11:00 am - 12:00 pm

INSTRUCTION COURSE

Corticosteroids: Know the Risks!
SDCC, Room 29AB
David M. Poetker, MD; Todd Kingdom, MD

Current Trends in the Management of Jugular Paraganglioma
SDCC, Ballroom 6D
James Netterville, MD; George B. Wanna, MD

Diagnosis and Management of Arteriovenous Malformations
SDCC, Ballroom 20BC
James Y. Suen, MD; Gresham T. Richter, MD

Endoscopic Approach to the Sella: Tips and Tricks
SDCC, Room 28AB
Sarah K. Wise, MD, MSCR; Bradford Woodworth, MD

Evidence-Based Management of Advanced Invasive Thyroid Cancer
SDCC, Room 258C
Joseph Scharpf, MD; Brian B. Burkey, MD, MEd
FESS Failures: Pearls and Suggestions
SDCC, Room 28C
Noam A. Cohen, MD, PhD; Vijay R. Ramakrishnan, MD; Noam Cohen, MD, PhD; Jeffrey Suh, MD

Laser Surgery for Early Glottic Cancer
SDCC, Ballroom 6F
Andrew J. McWhorter, MD; Carsten Erich Palme, MD

Management of Cholesteatoma of the Middle Ear
SDCC, Ballroom 6A
Olivier Sterkers, MD, PhD; Daniele Bernardeschi, MD, PhD

Meniere’s or Migraine: Similarities, Differences, Treatments
SDCC, Ballroom 6B
Jack W. Wazen, MD

Orbital Trauma: Comprehensive Diagnosis and Treatment
SDCC, Room 30BC
E. Bradley Strong, MD

Thyroid Cancer-Predisposition Syndromes in Pediatric Populations
SDCC, Room 10
Ken Kazahaya, MD, MBA; Andrew J. Bauer, MD

Tympanoplasty: Medial, Lateral, or Medio-Lateral Graft
SDCC, Ballroom 6C
Timothy T. K. Jung, MD, PhD; David H. Jung, MD, PhD

Understanding Olfactory Disorders
SDCC, Ballroom 20A
Eric H. Holbrook, MD; Donald Leopold, MD, MS

Using M&M Conference to Promote Patient Safety/Quality Improvement
SDCC, Room 23A
Brian Nussenbaum, MD; Rahul K. Shah, MD, MBA

INTERNATIONAL SYMPOSIA

Aetiology and Management of Tropical Diseases in Otolaryngology Head-Neck Surgery
Supported by Indian Academy of Otolaryngology and Head Neck Surgery (IAOHNS)
SDCC, Room 31BC
Mohan Kameswaran, DSc, MS, FRCS (Ed); Vijaya Krishan Paramasivam, MBBS, DNB, DLO; Sunil N. Dutt, MS, PhD, DNB, FRCS; Naresh Panda, MD; Mohan Kameswaran, DSc, MS, FRCS (Ed); Ameet Kishore, MBBS, FRCS(Ed), FRCS(Glas), FRCS-ORL(UK); Arun Gadre, MD
DAILY SCHEDULE

MINISEMINARS

Controversies in the Evaluation and Treatment of Pediatric Sleep Apnea
SDCC, Room 24BC
Cristina Baldassari, MD (Moderator); Ron B. Mitchell, MD; Stacey L. Ishman, MD, MPH; Scott E. Bietzke, MD, MPH; Norman R. Friedman, MD

Getting Published: Reviews and Research
Supported by The Journal Editorial Board
SDCC, Room 29CD
John H. Krouse, MD, PhD, MBA (Moderator); Cecelia E. Schmalbach, MD, MS; Jennifer J. Shin, MD, MS; Jean Anderson Eloy, MD

Integrative Approaches to Laryngopharyngeal Reflux: Beyond Proton-Pump Inhibitors
Supported by the Airway and Swallowing Committee and Complementary/Integrative Medicine Committee
SDCC, Ballroom 6E
Marilene B. Wang, MD (Moderator); Michele Morrison, DO; Nausheen Jamal, MD; Agnes Czibulka, MD; Malcolm Taw, MD

Intraoperative Neural Monitoring in Thyroid Surgery
Supported by the Endocrine Surgery Committee, Section for Residents and Fellow Committee, and SRF Governing Council
SDCC, Room 33
Juliana Bonilla Velez, MD (Moderator); Gregory W. Randolph, MD; Brendan Stack, MD; Louise Davies, MD; Amy Y. Chen, MD, MPH; Sean Lewis, MD

New Techniques in Pediatric Otolaryngology: A Video Forum
KBHCC, Room D162
Sanjay R. Parikh, MD (Moderator); Soham Roy, MD; Carlton Zdanski, MD; Michael J. Rutter, MD, FRACS; David R. White, MD; Steven L. Goudy, MD; Paul R. Krakovitz, MD

Sinus Pharyngeus: Things That Go Lump in the Night
Supported by the American Academy of Otolaryngic Allergy (AAOA)
SDCC, Room 28DE
Seth Dailey, MD (Moderator); Kevin C. McManis, MD; Stella Lee, MD; Paul C. Bryson, MD

Pediatric Drug-Induced Sleep Endoscopy: Technique and Interpretation
Supported by the Pediatric Otolaryngology Committee, and Sleep Disorders Committee
SDCC, Room 30DE
Megan L. Durr, MD (Moderator); Sanjay R. Parikh, MD; Ari DeRowe, MD; Mai Thy Truong, MD
SCIENTIFIC ORAL PRESENTATIONS

ENDOCRINE SURGERY

Moderator: Alfred A Simental Jr., MD
SDCC, Room 32B

11:00 am Dynamic Optical Contrast Imaging: A Novel Imaging Technique to Identify Parathyroid Tissue
Maie A. St. John, MD, PhD

11:06 am Fusion Imaging for Localization of Ectopic Parathyroid Adenoma
Phillip K. Pellitteri, DO

11:12 am Perioperative Kinetics of Parathyroid Hormone in Thyroidectomy
David S. H Kim, MD; Robert C. Wang, MD

11:18 am Central Neck Dissection Increases Readmission after Thyroidectomy
Andres M. Bur, MD; Jason Brant, MD; Eamon J. McLaughlin, MD; Robert M. Brody, MD; Ara A. Chalian, MD; Steven B. Cannady, MD; Jason G. Newman, MD

11:24 am Risk Factors for Postoperative Complications after Thyroid Surgery
Ernest D. Gomez, MD, MTR; Jason Brant, MD; Andres M. Bur, MD; Ara A. Chalian, MD; Steven B. Cannady, MD; Jason G. Newman, MD

11:30 am Supramaximal NSLP to Predict Postoperative Vocal Fold Mobility
Wonjae Cha, MD, PhD; Ilyoung Cho, MD, PhD; Jin-Choon Lee; Byung-Joo Lee, MD, PhD; Soo-Geun Wang, MD, PhD; Hyo Geun Choi, MD, MS; Ji-Hwan Park, MD
SCIENTIFIC ORAL PRESENTATIONS

GO GENERAL OTOLARYNGOLOGY

SM & SLEEP MEDICINE

Moderators: Charles A. Elmaraghy, MD; Doug Trask, MD, PhD; Uchechukwu Megwalu, MD

SDCC, Room 31A

11:00 am  A Study of the Ethmoidal Arteries: Is the 24/12/6 Rule Still Valid?
Ulrik A. Felding, MD; Anne Clemmensen, MD; Kirstine Kim Schmidt Karnov, MD; Carsten Thomsen, MD; Tron A. Darvann, PhD; Christian von Buchwald, DMSc; Jørgen Tranum-Jensen, MD

11:06 am  Determining a Successful Septoplasty: A Patient Centered Approach
Hedyeh Ziai, BHSc (Honours), MD; James P. Bonaparte, MD, MSc, FRCSC

11:12 am  Point of Care Cerebrospinal Fluid Detection
Ashley Kita, MD; Daniel Bradbury, BS; Zachary Taylor, PhD; Daniel Kamei, PhD; Maie A. St. John, MD, PhD

11:18 am  Nasopharyngeal Pressures Recorded Using Modified Tubomanometry
Miriam S. Teixeira, MD, PhD; Selma Cetin-Ferra; Juliane M. Banks; Jenna A. El-Wagaa; J. Douglas Swarts, PhD; Cuneyt M. Alper, MD

11:24 am  Intranasal Opioid Abuse in West Virginia: Case Series
Shilpa Vishwanath, MD; Mark A. Armeni, MD

11:30 am  Coblation vs. Bipolar Diathermy for Adult Tonsillectomy
Ahmed Hesham Fawzy, MD

11:36 am  Prevalence and Associated Factors of Subjective Halitosis
Hyo Geun Choi, MD, MS; Wonjae Cha, MD, PhD

11:42 am  Improving Residents’ Education for Sleep Disordered Breathing
Muhammad Abbas Abid, MD; Charles Cummings, MD; Nasir Bhatti, MD, MHS

11:48 am  Incidence of Nasal Valve Collapse in OSA vs. Non-OSA Patients
Michael Friedman, MD; Lauren B. Bonzelaar, MD; Sean Rumrill, MS; Anna M. Salapatas, MS

11:54 am  Uvulopalatopharyngoplasty: Complications and Management
José Antonio Pinto, MD; Davi Knoll Ribeiro, MD; Gabriel Santos Freitas, MD
SCIENTIFIC ORAL PRESENTATIONS ON OTOLOGY/NEUROTOLOGY

Moderators: Abraham Jacob, MD; Daniel H. Coelho, MD; Bradley W. Kesser, MD
SDCC, Room 32A

11:00 am Cochlear Implant Provider Awareness of Vaccination Guidelines
Anita S. Jeyakumar, MD; Craig A. Buchman, MD; Yu Jiang, PhD; Brian J. McKinnon, MD

11:06 am Audiological Outcome with Hearing Preservation and Naida EAS SP
Arne Ernst, prof.; Rolf Battmer, AuD

11:12 am Dural "Tails" in Histologically Confirmed Vestibular Schwannomas
Neil S. Patel, MD; Kathryn M. Van Abel, MD; Michael J. Link, MD; Colin L. Driscoll, MD; Jamie J. Van Gompel, MD; Brian A. Neff, MD; Matthew L. Carlson, MD

11:18 am Neurotologic Complications Following MVD: A Systematic Review
Matthew Bartindale, MD; Matthew Kircher, MD; Jason Bell, MD; John Leonetti, MD

11:24 am Analysis of Hearing Outcomes in Treating Spontaneous CSF Otorrhea
Shawn M. Stevens, MD; Ryan Crane, MD; Myles Pensak, MD; Ravi Samy, MD

11:30 am Delayed Facial Nerve Decompression for Severe Cases of Bell’s Palsy
Ilyes Berania, MD; Mohamed Awad; Issam Saliba, MD; Marc-Elie Nader, MD, FRCSI

11:36 am Stimulation of the Auditory Cortex in Seven Patients with Tinnitus
Michael D. Seidman, MD; Warren C. Swegal, MD; Tess F. Meklir, MD; Kost Elisevich, MD, PhD; Susan Bowyer, PhD; Dirk De Ridder, MD, PhD

11:42 am CyberKnife for Treatment of Vestibular Schwannoma: A Meta-Analysis
Hossein Mahboubi, MD, MPH; Kent Tadokoro, BS; Yaser Ghavami, MD; Marlon Maducdoc, MD; Kasra Ziai, MD; Harrison W. Lin, MD; Hamid R. Djalilian, MD

11:48 am Flexible Electrode in Cochlear Implant Surgery and Residual Hearing
Katiuska Alvarado, MD; Andrea Blanco-UrIBE, MD; Daviel Vilchez, MD

11:54 am Impact of Residency Duty-Hour Restrictions on Head and Neck Outcomes
Dipan Desai, BS; Andrew K. Pappa, BS; Douglas Farquhar, MD, MPH; Lewis Overton, MD; Robert Buckmire, MD; Jose P. Zevallos, MD, MPH; Adam Mikial Zanation, MD

TUESDAY
DAILY SCHEDULE

12:00 pm - 1:00 pm

**LUNCH WITH THE EXPERTS**
SDCC, Hall D, Booth 2054

Endocrine Surgery - Complications in Thyroidectomy and Understanding Nuances in Parathyroid Surgery: David J. Terris, MD

Endoscopic/Skull Base Surgery: Peter H. Hwang, MD

Facial Plastic Surgery - Rhinoplasty, Facelift, and Blepharoplasty: J. Regan Thomas, MD

Resident and Faculty Development Programs and Transition to Leadership: Roland D. Eavey, MD

Minimally Invasive and Endoscopic Endocrine Surgery: Michael C. Singer, MD

Upper Airway Disease: Do-Yeon Cho, MD

Thyroid Surgery: Ralph P. Tufano, MD

1:00 pm - 2:00 pm

**INSTRUCTION COURSES**

**Errors in Otolaryngology: Where Can We Go Wrong**
SDCC, Room 30DE
Rahul K. Shah, MD, MBA; Brian Nussenbaum, MD

**Evidence-Based Approach to Treating Oral Cavity Cancer, Update 2016**
SDCC, Ballroom 20BC
Neil Gross, MD; Dennis H. Kraus, MD

**Evidence-Based Management of Recurrent Nasopharyngeal Carcinoma**
SDCC, Ballroom 20D
Yu-Wai Jimmy Chan, MD, PhD, MS

**Evidence-Based Otology for the General Otolaryngologist**
SDCC, Room 33
Michael G. Stewart, MD, MPH; Kevin Brown, MD, PhD

**Functional Reconstruction of the Oral Cavity and Oropharynx**
SDCC, Room 25A
Jeremy D. Meier, MD; Harlan Muntz, MD; Jonathan Skirko, MD

**Hemostasis During Endoscopic Sinus Surgery**
SDCC, Room 28AB
Carl H. Snyderman, MD, MBA; Harshita Pant, MD

**How to Teach Patients and Staff about Tracheotomy Care**

#OTOMTG16 www.entnet.org/annual_meeting
SDCC, Ballroom 6D
Maya G. Sardesai, MD; Tanya K. Meyer, MD

Hyperparathyroidism Pearls and Pitfalls
Work-Up and Management
SDCC, Room 25BC
David L. Steward, MD

Laser/Micro Instrumentation Do’s and Don’t’s
SDCC, Ballroom 6F
Michael S. Benninger, MD; Jean J. Abitbol, MD

Minimally Invasive Pituitary Surgery
SDCC, Room 28C
Brent A. Senior, MD

Modern Mastoid Surgery: New Techniques
SDCC, Ballroom 6A
Bruce J. Gantz, MD

Novel Ossicular Reconstruction Techniques
SDCC, Ballroom 6B
Michael D. Seidman, MD; Eric M. Kraus, MD, MS

Otitis Media 2016: An Evidence-Based Update
SDCC, Room 24BC
Craig S. Derkay, MD; Cristina Baldassari, MD

Reconstruction of Partial Auricular Defects
SDCC, Room 30BC
C. W. David Chang, MD; Gregory Renner, MD

Sensory Neuropathic Cough: Become the Local Expert
SDCC, Room 29AB
Robert W. Bastian, MD

Up-to-Date Management of Recalcitrant Sinonasal Polyposis
SDCC, Ballroom 20A
Steven Pletcher, MD; Stacey T. Gray, MD

Vestibular Migraine: New Concepts and Treatment
SDCC, Ballroom 6C
Stephen J. Wetmore, MD; Adam Cassis, MD

INTERNATIONAL SYMPOSIA

Conservative Surgical Treatment of T3 Laryngeal Cancer
Supported by the Brazil-Brazilian Society of Head and Neck Surgery
SDCC, Room 31BC
Rogério A. Deditiis, MD; Eugene N. Myers, MD, FRCS; Claudio R. Cernea, MD, PhD; Fernando L. Dias, MD, PhD; Fernando Walder, MD; Piero Nicolai, MD; Giuseppe Spriano, MD
MINISEMINARS

Overlapping/Concurrent Surgery: Definitions, Data, Debate, and Destiny
SDCC, Room 26
Brian Nussenbaum, MD (Moderator); David Cognetti, MD; Larissa Sweeny, MD; Alexander Langerman, MD, SM; James C. Denneny III, MD

The Role of Technology in Microvascular Surgery
Supported by the Microvascular Committee
SDCC, Room 29CD
Waleed H. Ezzat, MD (Moderator); Jason T. Rich, MD; Matthew Hanasono, MD; Brian A. Moore, MD

Unified Airway: Surgical Management in the Older Patient
Supported by the Education Steering Committee and Geriatric Otolaryngology Committee
SDCC, Room 30A
Stacey L. Ishman, MD, MPH (Moderator); Ozlem E. Tulunay-Ugur, MD; Minka Schofield, MD; Jeffrey Stanley, MD

Vocal Cord Paralysis: A Practical Approach to Injections and Beyond
SDCC, Ballroom 6E
Paul C. Bryson, MD (Moderator); Melin Tan-Geller, MD; Albert L. Merati, MD; Lucian Sulica, MD; David Rosow, MD

SCIENTIFIC ORAL PRESENTATIONS

FACIAL PLASTIC AND RECONSTRUCTIVE SURGERY

Moderators: Jennifer C. Kim, MD; Jon-Paul Pepper, MD; Rahul Seth, MD
SDCC, Room 31A

1:00 pm A Systematic Review of Functional Rhinoplasty Using NOSE Score
Elizabeth M. Floyd, MD; Eli Gordin, MD; Sandra Ho, MD; Richard M. Rosenfeld, MD, MPH

1:06 pm En Bloc Osteotomy Technique for Correction of the Twisted Nose
Ivan Wayne, MD; Benjamin Hawley, MD; Casey Butler, MD; Robert Rhodes, MD; Chelsey J. Smith, MD

1:12 pm Pharyngeal Flap after Palatoplasty: A 20-Year Single Surgeon Series
Stephen R. Chorney, MD; Sherard A. Tatum III, MD

1:18 pm Post-Operative Complications of Medpor® in Septorhinoplasty
Mona Mozaffari, BA (Oxon), BMBCh, MRCS, DOHNS; Jennifer Magill, BMBS; John Goudakos, MD; Kalpesh Patel, MD, FRCS
1:24 pm  Surgical Algorithm for Nasal Tip Augmentation in Asian Rhinoplasty  
   Jisun Kim, MD, PhD; Yong-kyung Kang, MD

1:30 pm  Teaching Intranasal and Percutaneous Osteotomies for Rhinoplasty  
   Jenny X. Chen, BA; Elliott D. Kazin, MD; David A. Shaye, MD;  
   Theresa A. Hadlock, MD; Robin W. Lindsay, MD; Linda N. Lee, MD

1:36 pm  The Role of Postoperative Imaging after Orbital Floor Fracture Repair  
   David Carpenter, BA; Adam L. Honeybrook, MD; Nikita Chapurin, MHS; Kelly Murphy, BS; Charles Woodard, MD

1:42 pm  3-D Printing and Pre-Operative Planning in Acute Facial Trauma  
   Jeffrey A. Dorrity, MD; Rick Odland, MD, PhD

1:48 pm  Use of ACell Extracellular Matrix in Nasal Tip Reconstruction  
   Mark Nagy, MD; Michelle Fincham, MD

SCIENTIFIC ORAL PRESENTATIONS

HNS  HEAD AND NECK SURGERY

Moderator: Urjeet Patel, MD

SDCC, Room 32A

1:00 pm  Management of Recurrent and Metastatic Oropharyngeal SCC after TORS  
   John R. Sims, MD; Kathryn M. Van Abel, MD; Daniel Price, MD;  
   Kerry D. Olsen, MD; Eric Moore, MD

1:06 pm  Survival in OPSCCs Depends on Both HPV DNA and p16  
   Christian von Buchwald, DMSc

1:12 pm  Prospective Experiences of TORS Using New Robotic Surgical System  
   Se-Heon Kim, MD, PhD; Da Hee Kim, MD

1:18 pm  TORS for T3, T4 Laryngo-Hypopharyngeal Cancer  
   Se-Heon Kim, MD, PhD

1:24 pm  Development of a TORS Curriculum to Train Otolaryngology Residents  
   Arun Sharma, MD, MS

1:30 pm  CRS Microscopy: A Novel Imaging Technique for Head and Neck Cancer  
   Rebecca Hoesli, MD; Daniel Orringer, MD; Jonathan B. McHugh, MD; Matthew E. Spector, MD

1:36 pm  Dynamic Optical Contrast Imaging: Novel Modality to Distinguish SCCA from Surrounding Tissue  
   Maie A. St. John, MD, PhD

TUESDAY
DAILY SCHEDULE

SCIENTIFIC ORAL PRESENTATIONS

RA  RHINOLOGY/ALLERGY
Moderators: Robert H. Chun, MD; Do-Yeon Cho, MD
SDCC, Room 32B

1:00 pm  Anterior Ethmoid Artery Relationship to Keros Classification
Perry Poteet, MD; Alissa Kanaan, MD; Matthew Cox, MD; Ran Annie Wang

1:06 pm  Eustachian Tube Symptoms are Frequent in CRS and Respond Well to ESS
Anastasios Maniakas, MD; Marc-Henri Asmar, MD; Shaun Kilty, MD, FRCSC; Mohammad Al-Felasi, MD; Leandra Mfuna Endam, MSc; Martin Desrosiers, MD, FRCSC

1:12 pm  Intraturbinal vs. Extraturbinal Microdebrider Turbinoplasty
Ahmed Hesham Fawzy, MD

1:18 pm  Management and Outcome of Rhinosinusitis in Ilorin, Nigeria
Abdul Rahman Olushola Afolabi, MD, MBBS; Sulyman Biodun Alabi, MD, MBBS; Habeeb Kayodele Omokanye, MD, MBBS, FWACS, FMCORL; Samuel O. Ayodele, MBBS; Segun-Busari Segun, MD, MBBS; Adekunle David Dunmade, MD, MBBS; Emmanuel Folu Ologe, MD, MBBS

1:24 pm  Medication Use Between Chronic Rhinosinusitis Subtypes
Sally E. Erskine, MD; Carl Philpott, MD, FRCS; The CRES Group

1:30 pm  Smoking in CRS: Data from the Cres Study
Sally E. Erskine, MD; Carl Philpott, MD, FRCS; The CRES Group

1:36 pm  Pollen Count Relationship with Surgery for Chronic Rhinosinusitis
Emma M. van der Schans, BSc; Mong-Loon Kuet, MRCS, DOHNS; Janette Bartle, MSc, BSc, RN; Matthew Yung, PhD, MS, FRCS

1:42 pm  Mucins Differentiate Murine Olfactory from Respiratory Epithelium
Christopher E. Kennel, MD; Elizabeth Gould; Diego Restrepo, PhD; Vijay R. Ramakrishnan, MD

1:48 pm  Pediatrician Attitudes Toward Nasal-Oral Aspirator Use in Children
Neil K. Mehta, BSc; Martin Desrosiers, MD, FRCSC
2:15 pm - 3:15 pm

HONORARY GUEST LECTURE

John J. Conley, MD Lecture on Medical Ethics

SDCC, Ballroom 6A
G. Richard M. Holt, MD, MPH and Panelist: Susan D. McCammon, MD; Kevin McMains, MD; Howard Francis, MD

3:30 pm - 4:25 pm

INTERNATIONAL SYMPOSIA

Grafts Used in Asian Rhinoplasty: Tips, Tricks, and Pearls
SDCC, Room 31BC
Keng Hua Lim, MBBS, MRCS; Yu Kim Dennis Chua, MD, MBBS; Samuel Ho, MBBS, MRCS, MMed, FAMS

3:30 pm - 5:30 pm

INSTRUCTION COURSES

Advanced Ultrasonography Techniques for the ORL Office
SDCC, Room 23C
Urban W. Geisthoff, MD; Hans Welkoborsky, MD, PhD, DDS; Jens E. Meyer, MD, PhD; Lisa A. Orloff, MD

Facial Plastic and Reconstructive Surgery Recertification/Certification Review Course
SDCC, Room 30BC
Randall Jordan, MD; Mahdi Shkoukani, MD; John J. Chi, MD; Robert W. Dolan, MD

Introducing Endoscopic Ear Surgery into Your Practice
SDCC, Ballroom 6D
Daniel J. Lee, MD; Michael S. Cohen, MD; Muaaz Tarabichi, MD; David Pothier, MD

Management of Vestibular Schwannoma: Pearls and Pitfalls
SDCC, Ballroom 6B
Colin L. Driscoll, MD; Matthew L. Carlson, MD; Michael J. Link, MD; Brian A. Neff, MD

Managing Chronic Rhinosinusitis with In-Office Procedures
SDCC, Room 28AB
Amber Luong, MD, PhD; Rakesh Chandra, MD; Raj Sindwani, MD; Martin J. Citardi, MD
TUESDAY

MINISEMINARS

Ask the Experts: An Endoscopic Potpourri
SDCC, Ballroom 20A
David W. Kennedy, MD (Moderator); James N. Palmer, MD; Peter H. Hwang, MD; Peter J. Wormald, MD; S. James Zinreich, MD; Eugenia Vining, MD

Clinic-Based Decision-Making for Head and Neck Endocrine Disease Supported by the Endocrine Surgery Committee, and American Head and Neck Society (AHNS)
SDCC, Ballroom 20BC
Russell B. Smith, MD (Moderator); Salvatore M. Caruana, MD; Jason P. Hunt, MD; Maisie Shindo, MD; Ralph P. Tufano, MD, MBA; Prerak Dinesh Shah, MD

Conductive Hearing Loss: It’s Not Always Otosclerosis Supported by the Otolology and Neurtology Education Committee
SDCC, Ballroom 6C
Daniel Zeitler, MD (Moderator); Lawrence R. Lustig, MD; Seilesh Babu, MD; Stephen Cass, MD; James V. Crawford, MD

Innovations in Pediatric Otolaryngology: A Video Forum
SDCC, Room 24BC
Sanjay R. Parikh, MD (Moderator); Steven Goudy, MD; Paul Krakovitz, MD; Soham Roy, MD; Michael J. Rutter, MD, FRACS; David R. White, MD; Carlton Zdanski, MD

SDCC, Ballroom 6A
Michael Hoffer, MD (Moderator); Michael D. Seidman, MD; Tobias Kleijnjung, MD; Richard Tyler, MD, PhD; Jinsheng Zhang, PhD; Jeffery D. Lewine, PhD; Abraham Shulman, MD

Medical and Surgical Decision-Making in Refractory Rhinosinusitis
SDCC, Room 28C
Pete Batra, MD; Donald C. Lanza, MD, MS; Samer Fakhri, MD

More Than a Headache: Migraine for the Otolaryngologist
SDCC, Room 29CD
Michael T. Teixido, MD; John Carey, MD

Pediatric Otolaryngology Recertification/Certification Review Course
SDCC, Room 26
Jeffrey P. Simons, MD; Kenny Chan; Cristina Baldassari, MD; Matthew Thomas Brigger, MD, MPH

Professional Singers: The Science and Art of Clinical Care
SDCC, Ballroom 6F
Robert T. Sataloff, MD

Surgical and Office-Based Coding in Otolaryngology
SDCC, Room 29AB
Lawrence M. Simon, MD; Richard W. Waguespack, MD

DAILY SCHEDULE
**Pediatric Dysphagia: Challenges and Controversies**

Supported by the Pediatric Otolaryngology Committee

SDCC, Room 10

Julina Ongkasuwan, MD (Moderator); Deepak Mehta, MD, FRCS; J. Paul Willging, MD; Claire K. Miller, PhD, MHA; Hamdy El-Hakim, MD; James W. Schroeder, Jr., MD

**Point of Care CT Imaging in Otolaryngology/Rhinology**

Supported by the Rhinology and Paranasal Sinus Committee, Imaging Committee, and Rhinology and Allergy Education Committee

SDCC, Room 28DE

David B. Conley, MD (Moderator); Gavin Setzen, MD; Robert Fizzutiello, MS; Justin Turner, MD, PhD; Bruce Tan, MD

**Surgery for OSA: More or Less?**

SDCC, Room 30DE

Ofer Jacobowitz, MD, PhD, FAASM; Edward M. Weaver, MD, MPH; Tod C. Huntley, MD; Robson Capasso, MD; M. Boyd Gillespie, MD, MSc

**Tough to Swallow: Dysphagia for the General Otolaryngologist**

Supported by the Airway and Swallowing Committee

SDCC, Ballroom 6E

Neil Gildener-Leapman, MD (Moderator); Libby J. Smith, DO; Dinesh K. Chhetri, MD; Dan Kayajian, MS

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**TUESDAY**

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**SCIENTIFIC ORAL PRESENTATIONS**

**HEAD AND NECK SURGERY**

**Moderators:** Richard V. Smith, MD; Benjamin Greene, MD

**SDCC, Room 32A**

**3:30 pm**  
**Evaluating Regional Failure Patterns in Sinonasal Malignancies**  
Brandon W. Peck, MD; Michael Oldenburg, MD; Daniel Price, MD

**3:36 pm**  
**Elective Neck Dissection for Skin Cancer with Skull Base Invasion**  
Richard B. Cannon, MD; Yusuf Dundar, MD; Marcus Monroe, MD; Luke Buchmann, MD; Jason P. Hunt, MD

**3:42 pm**  
**Role of Adjuvant Radiation in Treatment of Sinonasal Mucosal Melanoma**  
Neeraja Konuthula, BS; Arjun Parasher, MD; Anthony Del Signore, MD; Alfred Marc Illoreta, MD

**3:48 pm**  
**Nasopharyngeal Lymphoma: A Population Based Analysis of 1,119 Cases**  
Maie A. St. John, MD, PhD; Edward C. Kuan, MD, MBA; Jose E. Alonso, BS; Armin Arshi, BS

**3:54 pm**  
**The Significance of Surgery in Sinonasal Adenoid Cystic Carcinoma**  
Neeraja Konuthula, BS; Arjun Parasher, MD; Anthony Del Signore, MD; Alfred Marc Illoreta, MD

**4:00 pm**  
**Sarcoma Subtype in De Novo vs. Radiation Induced Sarcomas**  
Andrew J. Rosko, MD; Andrew C. Birkeland, MD; Taha Meraj, BS; Andrew G. Shuman, MD; Rajiv Patel, MD; Jonathan B. McHugh, MD; Matthew E. Spector, MD

**4:06 pm**  
**Treatment Modalities in Sinonasal Rhabdomyosarcoma**  
Katelyn Stepan, MD; Neeraja Konuthula, BS; Arjun Parasher, MD; Anthony Del Signore, MD; Alfred Marc Illoreta, MD

**4:12 pm**  
**Post-Operative Complications of Laryngectomy in Diabetic Patients**  
Andrey Filimonov, PharmD; Jacob Brady, BA; Aparna Govindan, BA; Jean Anderson Eloy, MD; Soly Baredes, MD; Richard C. Park, MD
SCIENTIFIC ORAL PRESENTATIONS

ON OTOLARYNGOLOGY/NEUROTOLOGY

SDCC, Room 32B

3:30 pm  Treatment of Hyperacusis as a Migraine Related Disease  
Hamid R. Djalilian, MD; Yaser Ghavami, MD; Omid Moshtaghi, BS; Hossein Mahboubi, MD, MPH; Kasra Ziai, MD; Marlon Maducdoc, MD; Harrison W. Lin, MD

3:36 pm  Voice and Swallowing Dysfunction in Neurofibromatosis 2  
Simon R. A Best, MD; Julie Ahn, BS; Vaninder Dhillon, MD; Lee M. Akst, MD; Alexander T. Hillel, MD; Jaishri Blakeley, MD

3:42 pm  3-D Printed Temporal Bone by Fused Deposition Modelling  
Prashant M. Naik, MS (ENT), DLO

3:48 pm  Changing Lives of Hearing Impaired Patients in North India  
Rohit Mehrotra, MS

3:54 pm  Human Kinematics of Cochlear Implant Insertion at Various Speeds  
Kyle Kesler, BS; Neal P. Dillon, BS; Loris Fichera, PhD; Robert Labadie, MD, PhD

4:00 pm  Imaging Criteria for Transcanal Endoscopic Infracochlear IAC Access  
Judith S. Kempfle, MD; Elliott D. Kozin, MD; Aaron K. Remenschneider, MD, MPH; Samuel R. Barber, MS; Andreas Eckhard, MD; Albert Edge, PhD; Daniel J. Lee, MD

4:06 pm  Immediate Effects of Nasal Oxytocin in Tinnitus Patients  
Andréia A. Azevedo, MD; Ricardo R. Figueiredo, MD, PhD; Winfried Schlee, PhD; Norma O. Penido, MD, PhD

4:12 pm  Microflora of Infected Cochlear Implants vs. Retained Electrodes  
Varun V. Varadarajan, MD; Carolyn O. Dirain, PhD; Patrick J. Antonelli, MD

4:18 pm  Targeted Deletion of EDNRB Within Central Auditory Pathway in Mice  
Brian Kellermeyer, MD; Ashley Brandebura, BS; Douglas Kolson, PhD; George Spirou, PhD; Peter Mathers, PhD
4:24 pm  Tinnitus Treatment Using a Novel Web-Based Cognitive Behavioral Therapy Application  
Yaser Ghavami, MD; Omid Moshtaghi, BS; Hossein Mahboubi, MD, MPH; Jay M. Bhatt, MD; Giriraj Sharma, MD; Harrison W. Lin, MD; Hamid R. Djalilian, MD

4:30 pm  Visualization of Peripheral Nerves Using an IRDye800 Labeled Peptide  
Erika Walsh, MD; Lindsay Moore, MD; Benjamin Kasten, PhD; Jason M. Warram, PhD; Eben L. Rosenthal, MD

4:36 pm  What Determines the Older Adult’s Use of a Hearing Aid?  
Desmond A. Nunez, MD, FRCSC; Seyed Morteza Mousavi, BS

4:42 pm  Application of Ototoxic Model to Predict Human Cochlear Pathology  
Andrew K. Pappa, BS; William C. Scott, Jr.; Tatyana E. Fontenot, MD; Chris K. Giardina, BS; Douglas C. Fitzpatrick, PhD

4:48 pm  Computational Model of the Ongoing Response in Electrocochleography  
Tatyana E. Fontenot, MD; Chris K. Giardina, BS; Douglas C. Fitzpatrick, PhD

4:54 pm  Middle Ear Obliteration for Spontaneous CSF Otorrhea: Why Use It?  
Ryan Crane, MD; Shawn M. Stevens, MD; Myles Pensak, MD; Ravi Samy, MD

5:00 pm  Perilymphatic Leak in Cholesteatoma: Prevalence and Impact  
Letícia P. S Rosito, PhD; Inesangela Canali, MD; Adriane R. Teixeira, PhD; Mauricio N. L. da Silva, MD; Fabio A. Selaimen, MD; Sady Selaimen da Costa, MD, PhD

5:06 pm  Quality of Life: Tinnitus and Its Psychopathological Symptoms  
Luciana Geocze, PhD; Sujana S. Chandrasekhar, MD, FACS; Samantha Mucci; Ektor Onishi, MD, PhD; Norma O. Penido, MD, PhD

5:12 pm  Spontaneous Labyrinthine Hemorrhage  
Nicholas J. Panella, MD; Kristen L. Baugnon, MD; Douglas E. Mattox, MD; Esther X. Vivas, MD
# DAILY SCHEDULE

## SCIENTIFIC ORAL PRESENTATIONS

### PED PEDIATRIC OTOLARYNGOLOGY & SLEEP MEDICINE

**Moderators:** Dana M. Thompson, MD, MS; Catherine K. Hart, MD  
**SDCC, Room 31A**

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Presenters</th>
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<tr>
<td>3:30 pm</td>
<td>Positive Pressure Ventilation after Pediatric Tonsillectomy</td>
<td>Orly M. Coblens, MD; Adva Buzi, MD; Michael MacGillivray, BS; Lisa M. Elden, MD</td>
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<td>3:36 pm</td>
<td>Adenotonsillectomy in Children with Down Syndrome: A National Cohort</td>
<td>Andrew B. Baker, MD; Zachary Farhood, MD; Kathleyn Brandstetter, MD; Ronald J. Teufel, II, MD, MSCR; Angela LaRosa, MD; David R. White, MD</td>
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<td>3:42 pm</td>
<td>Pediatric Obstructive Sleep Apnea (OSA): A Study of 100 Patients</td>
<td>M. S. Soumya, MD</td>
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<td>3:48 pm</td>
<td>Validating Pediatric OSA Prediction by a Novel Exploratory Approach</td>
<td>Amal Isaiah, MD, PhD; Mark Baker, BS; Brian Scott, BS; Ron B. Mitchell, MD; Romaine Johnson, MD, MPH</td>
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<td>3:54 pm</td>
<td>Can OSA-18 Questionnaire Predict Impaired Cognition in Snoring Kids?</td>
<td>Geo Thachil, MS, DLO; Ajoy Mathew Varghese, MS, DNB; Syed Kamran Asif, MS; Samuel Philip Oommen, MD; Caroline Sanjeev Padankatti, MA; Rachel Beulah, BA, MSc; Miriam Rainu Kuruvilla, BA, MSc</td>
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<td>4:00 pm</td>
<td>DISE Identified Outcomes for Children with Persistent OSA</td>
<td>Nithin Peddireddy, BS; Shan He, MD; David F. Smith, MD, PhD; Angela L. Duggins, RN, BSN; Stacey L. Ishman, MD, MPH</td>
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<td>4:06 pm</td>
<td>Effectiveness of DISE Directed Surgery for Pediatric OSA</td>
<td>Shan He, MD; Nithin Peddireddy, BS; David F. Smith, MD, PhD; Angela L. Duggins, RN, BSN; Christine H. Heubl, MD; Sally R. Shott, MD; Stacey L. Ishman, MD, MPH</td>
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<td>4:12 pm</td>
<td>Polysomnography in Pediatric Otolaryngology: If Not OSA, What Is It?</td>
<td>Christine H. Heubl, MD; Jareen Meinzen-Derr, PhD; David F. Smith, MD, PhD; Sally R. Shott, MD; Stacey L. Ishman, MD, MPH</td>
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<tr>
<td>4:18 pm</td>
<td>Neonatal Upper Airway Obstruction: Does Sleep Exacerbate Symptoms?</td>
<td>Tyler J. Van Heest, MA; Brianne B. Roby, MD; James Sidman, MD</td>
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# OTOMTG16  
[www.entnet.org/annual_meeting](http://www.entnet.org/annual_meeting)
4:24 pm  Algorithm for Airway Management in Pierre-Robin Sequence  Katherine Hicks, MD; John Carter, MD; Bharat Bhushan, PhD; Kathleen R. Billings, MD; Jeffrey Rastatter, MD

4:30 pm  Characterization of Pediatric Lingual Tonsil Hypertrophy Using DISE  David F. Smith, MD, PhD; Shan He, MD; Nithin S. Pedapreddy, BS; Christine H. Heubi, MD; Sally R. Shott, MD; Stacey L. Ishman, MD, MPH

4:36 pm  Sleep Endoscopy: Evaluation of Persistent Pediatric OSA Failing T&A  Alexander Limjuco, MD; Steven W. Coutras, MD

4:42 pm  Prevalence of OSAS in Syndromic Children: Pilot Study  Vijaya Krishan Paramasivan, MBBS, DNB, DLO; Senthil Vadivu Arumugam, MBBS, DNB, DLO; Amarnath Devarasetty, MBBS, DNB; Shyam Sudhakar Sudharshan, MBBS, DNB; Mohan Kameswaran, DSc, MS, FRCS (Ed)

4:54 pm  Pediatric Moderate OSA: Factors Associated in Therapeutic Decision  Ivo M. Moura, MD; Maria Inês Mascarenhas, MD; Sofia Deça Moto, MD; Cristina Adônis, MD; João Pedro Leandro, MD; Helena Cristina Loureiro, MD; Filipê Freire, MD

5:00 pm  Tracheostomy for Pediatric Sleep Apnea: Indications and Outcomes  Christopher Rizzi, MD; Julian D. Amin; Amal Isaiah, MD, PhD; Túlio Valdez, MD, MSc; Anita S. Jayekumar, MD, MS; Suzanne E. Smart, MD; Kevin Pereira, MD, MS

5:06 pm  Outcomes of Adenotonsillectomy in Children with Sickle Cell Disease  Ivo M. Moura, MD; Teresa Gabriel, MD; Alexandra Dias, MD; Cristina Adônis, MD; João Rito, MD; Helena Cristina Loureiro, MD; Filipê Freire, MD

5:12 pm  Adenotonsillectomy in Children with Sleep Apnea and Narcolepsy  Sneh Biyani, MD; Tina D. Cunningham, PhD; Cristina Baldassari, MD

5:18 pm  Outpatient Child Life Specialist Improves Pediatric Satisfaction  Simon K. Wright, MD, PhD; Eytan Young, MD; Courtney Mergen, MA, CCLS; Paige Yontz; Brandon Kuhn; Amber Holloway; Brittany Burklund

5:24 pm  Pediatric Tracheostomy: Factors Associated with Decannulation  Paul D. Judge, MD; Kimberly Serbousek, DO; Chen Baojiang, PhD; Eun-Hae (Estelle) Chang, MD, MPH; Dwight Jones, MD
4:30 pm - 5:25 pm

INTERNATIONAL SYMPOSIA

Tuberculosis in Otorhinolaryngology the Asia-Oceania Perspectives
SDCC, Room 31BC
Chen-Chi Wang, MD; Goh Bee See, MD; Ruzanne M. Caro, MD; Marlinda Adham, MD, PhD

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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 152 applications requesting 2.5 million dollars in research funding.

**THE 2016 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 was recently appointed as chair-elect for the General Otolaryngology subcommittee.
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
7:30 am - 8:30 am

INSTRUCTION COURSES

American Thyroid Association 2015 Guidelines and Papillary Cancer Nodes  
SDCC, Room 33  
Gregory W. Randolph, MD

Become an Expert in Rhinology Coding  
SDCC, Room 30A  
Seth M. Brown, MD, MBA; Winston Vaughan, MD

Diagnosis and Management of Sinonasal Papillomas  
SDCC, Ballroom 20A  
Marilene B. Wang, MD; Jivianne Lee, MD; Jeffrey Suh, MD

Endoscopic Ossiculoplasty: From Principles to Surgical Technique  
SDCC, Ballroom 6C  
Alejandro Rivas, MD; Brandon Isaacson, MD
Improved Management of Hypocalcemia After Thyroidectomy
SDCC, Ballroom 20BC
J. Pieter Noordzij, MD; Ian K. McLeod, MD

Lasers in Laryngology
SDCC, Ballroom 6E
C. Gaelyn Garrett, MD; Lou Reinisch, PhD

Management of Cutaneous Melanoma of the Head and Neck
SDCC, Room 25A
Dennis H. Kraus, MD

Management of Zenker’s and Hypopharyngeal Diverticula
SDCC, Ballroom 6F
David Myssiorek, MD

Mastering the Parapharyngeal Space
SDCC, Room 25BC
James L. Nettterville, MD; Alexander Langerman, MD, MS

Pediatric OSA Update 2016
SDCC, Room 24BC
Cristina Baldassari, MD; Stacey L. Ishman, MD, MPH

Practical Management of BPPV: Diagnosis and Therapy
SDCC, Ballroom 6A
Giacinto Asprella Libonati, MD

Pulsatile Tinnitus: Diagnosis and Management 2016
SDCC, Ballroom 6B
Aristides Sismanis, MD; Daniel H. Coelho, MD

Risks and Complications from Fillers
SDCC, Room 30BC
Preston Ward, MD, MS; J. Randall Jordan, MD

Sinus Headache, Migraine, and the Otolaryngologist
SDCC, Room 28C
Mark Mehle, MD

Steroids in ORL: Indications, Efficacy, and Safety
SDCC, Room 28DE
Stacey T. Gray, MD; Eric H. Holbrook, MD

What If It’s Not Reflux?
SDCC, Room 29AB
Brent E. Richardson, MD

INTERNATIONAL SYMPOSIA

Complementary and Alternative Medicine Treatment for Otitis Media
SDCC, Room 29CD
Tal Marom, MD; Sharon Ovnat Tamir, MD
MINISEMINARS

Assessing Risk and Preventing Falls in Older Adults
Supported by the Geriatric Otolaryngology Committee and Equilibrium Committee
SDCC, Ballroom 6D
Judith A. White, MD, PhD (Moderator); Yuri Agrawal, MD; Kim R. Gottshall, MD, PhD; Edward I. Cho, MD

New Payment Models: Effects on Otolaryngology
Reimbursement Supported by the 3P Work Group
SDCC, Room 29CD
Robert Lorenz, MD, MBA (Moderator); Jane Dillon, MD, MBA; Randal S. Weber, MD; Stephen P. Cragle, MD; Drew M. Locandro, MD

Minimally Invasive Implantable Approaches for OSA
Supported by the Medical Devices and Drugs Committee
SDCC, Room 30DE
Vaclav Pavelec, MD, PhD (Moderator); Ofer Jacobowitz, MD, PhD, FAASM; Maria V. Suurna, MD

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Questions? Contact Lorraine Nnacheta: lnnacheta@entnet.org or 1-703-535-3751
SCIENTIFIC ORAL PRESENTATIONS

PED PEDIATRIC OTOLARYNGOLOGY

SDCC, Room 31A

7:30 am  iPhone Otoscopes: Reliable for Tele-Otoscopy in the Hands of Parents?
Manan Udayan Shah, MD; Maheep Sohal, MD; Tulio Valdez, MD, MSc; Christopher Grindle, MD

7:36 am  Genetic and Environmental Link in Otitis Media with Tympanostomy Tubes
Reema K. Padia, MD; Jeremiah A. Alt, MD, PhD; Harlan Muntz, MD; Richard Orlandi, MD; Jeremy D. Meier, MD

7:42 am  Endoscopic Ear Surgery for Pediatric Cholesteatoma Resection
Razan A. Basonbul, MBBS, MPH; Michael S. Cohen, MD; Daniel J. Lee, MD

7:48 am  Evaluation of Hearing Outcomes after Tympanostomy Tube Placement
Forest W. Weir, BA; Meredith A. Holcomb, AuD, CCC-A; Theodore McRackan, MD; Clarice Clemmens, MD

7:54 am  Pediatric Cochlear Implantation: Disparities Across Five States
Zhen Huang, MD, MBA; Brian Reilly, MD; Diego Preciado, MD, PhD

8:00 am  Hearing in Children with Pierre Robin vs. Non-Robin Cleft Palate
Fareeda Taher Nazer Hussain, MD; Brianne B. Roby, MD; Karen Hamre, PhD, MPH; Selwan B. Abdullah, MD; Robert Tibesar, MD; Timothy Lander, MD; James Sidman, MD

8:06 am  Use of the Smartphone Otoscope for Tympanostomy Tube Surveillance
Debra Don, MD; Beth Osterbauer, MPH; Jeffrey Koempel, MD, MBA

8:12 am  Pediatric Hearing Loss: From Cytomegalovirus to Zika
Signe S. Grasel, MD, PhD; Roberto Miquelin de Oliveira Beck, MD, PhD; Samanta Marques Reis Fortes, MD; Ananda R. Nogueira, MD; Jaqueline Quintanilha Brucha, MD; Ricardo F. Bento, MD, PhD

8:18 am  Abutment Free Hearing Aids in Children with Unilateral Hearing Loss
Steven M. Andreoli, MD; Kathleen Sawaya, AuD; Christine Cook, AuD; Drew M. Horibeck, MD

8:24 am  Acute Otitis Media Bacteriology in the Pneumococcal Vaccine Era
Sharon Ovnat Tamir, MD; Tal Marom, MD
INSTRUCTION COURSES

8:45 am - 9:45 am

**Management of Pediatric OSA Post T&A**
SDCC, Room 30DE
Ron B. Mitchell, MD; Stacey L. Ishman, MD, MPH

**Managing the (Un)known Primary Cancer Patient: The Impact of HPV**
SDCC, Ballroom 20BC
Umanaheswar Duvvuri, MD, PhD; Eduardo Mendez, MD, MS

**Medical Management of Thyroid Disease for Otolaryngologist**
SDCC, Room 25A
David L. Steward, MD

**Neck Dissection, Thyroid Cancer, and the 2016 American Thyroid Association Guidelines**
SDCC, Room 25BC
Brendan Stack, MD

**Office Laryngeal Procedures: Do Them Today with Instruments You Have**
SDCC, Ballroom 6E
Michael Pitman, MD; Adam D. Rubin, MD

**Parathyroid Surgery: What Head and Neck Surgeons Should Know**
SDCC, Room 33
David James Terris, MD

**Reflux Testing in Otolaryngology: What You Need to Know**
SDCC, Ballroom 6F
Joel Blumin, MD; Jonathan M. Bock, MD

**Strategic Nasal Reconstruction: Grafts, Local, and Regional Flaps**
SDCC, Room 30BC
Anthony P. Sclafani, MD

**Sublingual Immunotherapy (SLIT): Why and How?**
SDCC, Room 28AB
Sarah K. Wise, MD, MSCR; Michael Platt, MD, MS

**Surgical Management of Eustachian Tube Disorders**
SDCC, Ballroom 6A
Dennis S. Poe, MD, PhD; Ralph B. Metson, MD

**Technique to Simplify Myringoplasty**
SDCC, Ballroom 6B
Masafumi Sakagami, MD, PhD; Yu Yuasa, MD, PhD
The Ten Minute Examination of the Dizzy Patient  
SDCC, Ballroom 6C  
Joel A. Goebel, MD

Worldwide Otolaryngology Humanitarian Missions  
SDCC, Room 28DE  
Drew M. Horlbeck, MD; Mark Boston, MD

Steroids in ORL: Indications, Efficacy, and Safety  
SDCC, Room 28DE  
Stacey T. Gray, MD; Eric H. Holbrook, MD

INTERNATIONAL SYMPOSIA

Organ Preservation Surgery for Hypopharyngeal Cancer  
SDCC, Room 31BC  
Ken-Ichi Nibu, MD; Se-Heon Kim, MD, PhD; Akihiro Shiotani; Ichiro Tateya, MD; Sheng-Po Hao, MD

MINISEMINARS

Endoscopic Skull Base Surgery: Technique, Outcomes, Quality of Life  
Supported by the Skull Base Surgery Committee  
SDCC, Ballroom 6D  
Ivan El-Sayed, MD (Moderator); Ehab Y. Hanna, MD; Carl H. Snyderman, MD, MBA; Marc Rosen, MD; Ziv Gil, MD, PhD; Anand Devaiah, MD; Michael Kupferman, MD

Marketing Yourself and Your Practice in the 21st Century  
Supported by the Media and Public Relations Committee and Young Physicians Section  
SDCC, Room 30A  
Cristina Baldassari, MD (Moderator); Christopher Y. Chang, MD; Angela Sturm, MD; Ayesha N. Khalid, MD; Spencer C. Payne, MD

Recent Publications That Could Change Your Practice: Pediatric and General ENT  
Supported by the Outcomes, Research, and Evidence-Based Medicine Committee  
SDCC, Room 29AB  
Jennifer J. Shin, MD, MS (Moderator); Michael G. Stewart, MD, MPH; Jay F. Piccirillo, MD; Scott E. Brietzke, MD, MPH
SCIENTIFIC ORAL PRESENTATIONS

Moderator: Selena Heman-Ackah, MD
SDCC, Room 31A

8:45 am Achromobacter Xylosoxidans Tube Otorrhea: A New Clinical Challenge
Joshua P. Weiss, MD; Rodrigo Silva, MD

8:51 am Hearing Outcomes of Temporal Bone Fracture
Aniruddha U. Patki, MD; Charles Woodard, MD

8:57 am Influence of Marital Status on Vestibular Schwannoma in the US
Alex Sweeney, MD; Amy Glasgow, MHA; Elizabeth Habermann, PhD, MPH; Matthew L. Carlson, MD

9:03 am Intratympanic Steroids for Sudden Sensorineural Hearing Loss
Alexander Malone, MD; Marion Ridley, MD

9:09 am Objective Testing Beyond the PTA in Paediatric ABI
Hannah J. D. North, MBBS, FRACS (ORL-HNS); Lise Henderson, BSc; Simon K. Lloyd, MD, FRCS; Rhydian Harris, MBBS, BSc, MRCS; Simon R. M. Freeman, MD, FRCS; Scott A. Rutherford, MD, FRCS; Martin P. O’Driscoll, PhD

9:15 am Outcomes in Pediatric Auditory Brainstem Implantation
Rhydian Harris, MBBS, BSc, MRCS; Hannah J. D. North, MBBS, FRACS (ORL-HNS); Lise Henderson, BSc; Martin P. O’Driscoll, PhD; Scott A. Rutherford, MD, FRCS; Simon R. M. Freeman, MD, FRCS; Simon K. Lloyd, MD, FRCS

9:21 am Pediatric Langerhans Cell Histiocytosis of the Lateral Skull Base
Ananya Majumder, MD; Cameron C. Wick, MD; Timothy N. Booth, MD; Brandon Isaacson, MD; J. Walter Kutz, MD

9:27 am Pre-Operative Intratympanic Gentamicin for Vestibular Schwannoma
Hannah J. D. North, MBBS, FRACS (ORL-HNS); Simon R. M. Freeman, MD, FRCS; Andrea M. Wadeson, MD; Scott A. Rutherford, MD, FRCS; Charlotte L. Hammerbeck-Ward, MD, FRCS; Andrew King, MD, FRCS; Simon K. Lloyd, MD, FRCS

9:33 am Stalactite of Fishman: Anatomic Description and Surgical Implications
Michael D. Puricelli, MD; Maxwell D. Newby, BS; Andrew Fishman, MD; Arnaldo L. Rivera, MD
10:00 am - 12:00 pm

INTERNATIONAL SYMPOSIA

10:00 am Early Multi-Center Experience in TORS with the Flex® Robotic System
SDCC, Room 31BC
Eugene N. Myers, MD, FRCS; Marc Remacle, MD, PhD; Stefan Mattheis, MD, PhD; Umamaheswar Duvvuri, MD, PhD; Pia Haßkamp, MD; Georges Lawson, MD

11:00 am The Challenge of EES in Asia and Our Strategies: Taiwan Experience
SDCC, Room 31BC
Tzu-Chin Huang, MD, MSc; Chin-Lung Kuo, MD; Chang-Wei Huang, MD; Tsung-Te Chung, MD, PhD; Chin-Kuo Chen

INSTRUCTION COURSES

Laryngology/Bronchoesophagology Recertification/Certification Review Course
SDCC, Room 26
Catherine Lintzenich, MD; Ronda E. Alexander, MD; Thomas Carroll, MD

Management of Pediatric Non-Medullary Thyroid Nodules/Cancer
SDCC, Room 10
Ken Kazahaya, MD, MBA; Andrew J. Bauer, MD

Pediatric Open Airway Surgery: State-of-the-Art
SDCC, Room 29CD
Michael J. Rutter, MD, FRACS; Alessandro De Alarcon, MD, MPH; Catherine K. Hart, MD

Surgical Decision Making in Cholesteatoma
SDCC, Ballroom 6C
Eric Smouha, MD; Barry E. Hirsch, MD; Dennis I. Bojrab, MD
MINISEMINARS

Big Data and Your Reimbursements
SDCC, Room 30A
K. J. Lee, MD (Moderator); William R. Blythe, MD; James C. Denny, III, MD; Lawrence J. Gordon, MD

Bringing Quality Improvement into Clinical Practice: A How-To Guide
Supported by the General Otolaryngology Education Committee, and Patient Safety and Quality Improvement Committee
SDCC, Room 29AB
Michael J. Brenner, MD (Moderator); Sarah N. Bowe, MD; Carl H. Snyderman, MD, MBA; Robert J. Morrison, MD; Michael E. McCormick, MD; Phillip S. LoSavio, MD, MS; Michael Weiss, MD

Coding for Functional Procedures in Facial Plastic Surgery
Supported by the CPT and Relative Value Committee, Plastic and Reconstructive Surgery Committee, and American Academy of Facial Plastic and Reconstructive Surgery (AAFPSRS)
SDCC, Room 30DE
Preston Ward, MD, MS (Moderator); Krishna Patel, MD, PhD; Robin W. Lindsay, MD; Bradford Bader, MD; Chaz L. Stucken, MD; Sherard A. Tatum, MD; Donna Millay, MD

Controversies in the Management of Salivary Malignancies
Supported by the Head and Neck Surgery and Oncology Committee
SDCC, Ballroom 20BC
David Cognetti, MD (Moderator); Derrick T. Lin, MD; Charles Coffey, MD; Jeffrey J. Houlton, MD

Follow-Up after the Treatment of Well Differentiated Thyroid Tumors
SDCC, Room 33
Rogerio A. Dedivitis, MD (Moderator); Fernando L. Dias, MD, PhD; Fernando Walder, MD; Claudio R. Cernea, MD, PhD; Francisco Rivera Pesquera, MD

Food Allergy 2016: State-of-the-Science
Supported by the Allergy, Asthma, and Immunology Committee
SDCC, Ballroom 20A
William R. Reisacher, MD (Moderator); Maria Veling, MD; Cecelia Damask, DO; Karen Calhoun, MD

I Hate My Hearing Aids: Other Options for Hearing Loss
Supported by the Otolology and Neurotology Education Committee
SDCC, Ballroom 6A
Daniel Zeitler, MD (Moderator); Daniel H. Coelho, MD; Calhoun D. Cunningham, III, MD; Fred Telischi, MD; Michael D. Seidman, MD
Managing CSF Leaks: From Tiny to Large Defects
SDCC, Room 28AB
Martin J. Citardi, MD (Moderator); Amber Luong, MD, PhD; William C. Yao, MD

Migraine Disorders: Balance and Sinusitis
Supported by the Rhinology and Paranasal Sinus Committee
SDCC, Room 28DE
Frederick Godley, MD (Moderator); Michael T. Teixido, MD; Mark Mehle, MD; Roy Casiano, MD; Steven D. Rauch, MD; Jacob Brodsky, MD

Start to Finish: Management of Bacterial-Based CRS
Supported by the Rhinology and Paranasal Sinus Committee
SDCC, Room 28C
Joseph Han, MD (Moderator); Rakesh Chandra, MD; Raj Sindwani, MD; Eric H. Holbrook, MD; Alexander Chiu, MD

The Comprehensive Management of Recurrent Thyroid Cancer
Supported by the Endocrine Surgery Committee, and the American Head and Neck Society (AHNS)
SDCC, Room 25A
Joseph Scharpf, MD (Moderator); Gregory W. Randolph, MD; Ralph P. Tufano, MD, MBA; Lisa A. Orloff, MD; Wong J. Richard, MD

The Disabled Otolaryngologist
Supported by the Patient Safety and Quality Improvement Committee, Ethics Committee, and Geriatric Otolaryngology Committee
SDCC, Room 30BC
Brian Nussenbaum, MD (Moderator); Robert T. Sataloff, MD; Julie Goldman, MD; Michael M. Johns III, MD; Jo Shapiro, MD
SCIENTIFIC ORAL PRESENTATIONS

HEAD AND NECK SURGERY

**Moderator:** Urjeet Patel, MD; Mark E. Prince, MD; Brian B. Hughley, MD

**SDCC, Room 31A**

**10:00 am**  
**The Role of In-Office Ultrasound in the Diagnosis of Neck Masses**  
Omid Moshtaghi, BS; Yarah M. Haidar, MD; Amin Mahmoodi; Amir Mahmoodi; Julie A. Goddard, MD; Tjoson Tjoa, MD; William Armstrong, MD

**10:06 am**  
**Outcomes of a Two-Week Head and Neck Teaching Course in East Africa**  
Michael Ghiam, BA; Sunshine M. Dwojak, MD, MPH; Daniel D. Sharbel, BSc; Mana Espahbodi, MD; Shanik Fernando, MD; James L. Netterville, MD

**10:12 am**  
**Prognostic Value of Metabolic Tumor Volume in Head and Neck Cancer**  
Junji Miyabe, MD; Atsushi Hanamoto, MD, PhD; Hidenori Inohara, MD, PhD

**10:18 am**  
**Effect of Adipose Stem Cells on Head and Neck Squamous Cell Carcinoma**  
Deepa Danan, MD, MBA; Brian Langford, MD; Paul Koors, MD; Rolando Mendez, BS; Mark Jameson, MD, PhD

**10:24 am**  
**Clinical Assessment of Cognitive Function in Head and Neck Cancer**  
Amy M. Williams, PhD; Tamer Ghanem, MD, PhD; Farzan Siddiqui, MD, PhD; Steven Chang, MD

**10:30 am**  
**Development of Institutional Head and Neck Surgery Quality Metrics**  
Sean T. Massa, MD; Lauren Cass, MD, MPH; Patrick Kennedy, BS; Ronald Walker, MD; Jennifer Brinkmeier, MD

**10:36 am**  
**Second Primary Head and Neck Cancer Following Index Breast Cancer**  
Alexandra M. Kyrillos, BS; Kristine Kuchta, MS; Katharine Yao, MD; Chi-Hsiung Wang, PhD; Mihir K. Bhayani, MD

**10:42 am**  
**Factors Associated with Recurrence of Locally Advanced Cutaneous SCC**  
Brianna N. Harris, MD; Ahmed Bayroumi; Shyam Rao, MD; D. Gregory Farwell, MD; Arnaud Bewley, MD
POSTER AWARDS

Visit the Poster Hall in the Sails Pavilion to congratulate this year’s poster award winners.

BLUE RIBBON
Best in show

RED RIBBON
Best Basic Science

WHITE RIBBON
Honorable Mention

GOLD RIBBON

SILVER RIBBON
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Meet the Scientific Poster Authors
SDCC, Upper Level, Sails Pavilion

NEW THIS YEAR! Earn CME 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 hours of AMA PRA Category 1 Credit™ may be earned.

Monday, September 19
10:00 am - 11:00 am
Otology/Neurotology
International Patient Safety and Quality Improvement

2:30 pm - 3:30 pm
Endocrine Surgery
Head and Neck Surgery

Tuesday, September 20
9:45 am - 10:45 am
Rhinology/Allergy
Facial Plastic and Reconstructive Surgery
Laryngology/Broncho-Esophagology
Business of Medicine/Practice Management

2:15 pm - 3:15 pm
General Otolaryngology
Pediatric Otolaryngology
Sleep Medicine
POSTERS

Business of Medicine/Practice Management

BMP

SP 100  Trends of Transfers to a Tertiary Care Center: An ENT Experience
Zachary C. Fridirici, MD; Eric Thorpe, MD; Sam Marzo, MD; Tony Peter, MS; Brian McCalister, MS

Endocrine Surgery

ES

SP 101  Calcitriol as a Predictor of Post-thyroidectomy Hypocalcemia
Wesley R. McIlwain, MD; Jeffrey Robin, PA-C, MS; Aurora Standlee, MD; Joseph Sniezek, MD

SP 102  Cervix and Breast Cancer Mimics Papillary Thyroid Cancer on FNA
Jacob B. Kahane, MD; Jennifer Mitchell, MD; Helena Wichova, MD; Jill Ono, MD; Robert C. Wang, MD

SP 103  Cost Analysis of Molecular Testing Indeterminate Thyroid Nodules
Scott B. Shapiro, MD; Brian Kellermeyer, MD; Majed Pharaon, MD

SP 104  Hypothyroidism Following Pediatric Thyroid Lobectomy
Adam Goodale, MD; David L. Steward, MD; Michael J. Rutter, MD, FRACS

SP 105  International Survey on Peri-operative Practices in Thyroid Surgery
Anastasios Maniakas, MD; Apostolos Christopoulos, MD, FRCS; Eric Bissada, DMD, MD, FRCS; Louis Guertin, MD, FRCS; Marie Jo Olivier, MD, FRCS; Jacques Malaise, MD; Tareck Ayad, MD, FRCS

SP 106  Long-term Serial Follow-Up of Voice Outcome after Thyroidectomy
Euisuk Sung, MD; Jin Choon Lee, MD, PhD; Chang Myeong Song, MD, PhD; Yongbae Ji, MD, PhD; Kyung Tae, MD, PhD

SP 107  One-hour PCR-RFLP for Detection of BRAF V600E in Papillary Cancer
Jun-Hee Park, MD, PhD; Geon Park

SP 108  Rapid Tissue Optical Biopsy in Thyroid and Parathyroid Surgery
Anastasios Maniakas, MD; Etienne De Montigny; Apostolos Christopoulos, MD, FRCS; Eric Bissada, DMD, MD, FRCS; Olguta Ecaterina Gologan, MD; Caroline Boudoux, PhD; Tareck Ayad, MD, FRCS

SP 109  Sebaceous Lymphadenoma of Parotid Gland a Unique Presentation
Mohammed Alessa, MBBS, FRCS; Yousif Alammar, MD; Emad Raddaoui, MD; Saleh Aldhahiri, MD, FRCS
SP 110  Sinonasal Complications Post Transsphenoidal Pituitary Surgery
Alborz Jooya; Anthony Zeitouni, MD; Marc A. Tewfik, MD, MS; Abdullah Al-Bader, MD; Humaid Alhumaid, MD

SP 111  The Electrophysiology of Thyroid Surgery: EMG and Muscular Responses
Whitney Liddy, MD; Samuel R. Barber, MS; Matteo Cinquepalmi; Brian Lin, MD; Stephanie Patricio, BS; Natalia Kyriazidis, MS; Gregory W. Randolph, MD

SP 112  Utility of EUS in Assessment of Esophageal Invasion of Thyroid Cancer
Clara M. Olcott, MD; Daniel Karakla, MD

SP 113  Utility of I-131 Therapy in FDG-Avid Papillary Thyroid Cancer
Ramya S. Patel, MD; Niraj R. Patel, MD; Erin Chew, BS; Andrew Sikora, MD, PhD

Facial Plastic and Reconstructive Surgery

SP 114  A Nationwide Survey on the Facial Palsy and Associated Factors
Yang-Sun Cho, MD, PhD; Young-Soo Chang, MD; Ji Eun Choi, MD

SP 115  Auricular Reconstruction Utilizing Electromechanical Reshaping
Karam W. Badran, MD; Cyrus Manuel, BSc; Anthony Chin Loy, MD; Christian Conderman, MD; Amy Y. Yau, MD; Jennifer Lin, MD; Brian J. F. Wong, MD, PhD

SP 116  Changes in Nasal Staph Flora and Infection Rates after Nasal Surgery
Joshua Greene, MD; Warren C. Swegal, MD; Mary-Beth Perri, MT (ASCP); Ana C. Bardossy, MD; Robert Deeb, MD; Marcus Zervos, MD; Lamont R. Jones, MD, MBA

SP 117  Delayed Facial Nerve Paralysis from Gunshot Wound to Mandible
Prem Tripathi, MD; Christian Barnes, MD; Jay M. Bhatt, MD; Benjamin Caughlin, MD; David Florioli, MD

SP 118  Donor Site Deep Vein Thrombosis in Fibula Free Flap Reconstruction
Esther Cheng, MD; Eric Thorpe, MD; Amy L. Pittman, MD

SP 119  External Tissue Expander for the Paramedian Forehead Flap: A Novel Use
Kalpesh Vakharia, MD; Virginia E. Drake, BA; Christopher Rizzi, MD; Jewel Greywoode, MD

SP 120  Eyelid Skin Grafting for Post-Auricular Sulcus Reconstruction
Julian A. Vellucci, MD; Marc Hohman, MD
Facial Island Flaps and Their Role in Head and Neck Reconstruction
Karthik Rajasekaran, MD; Michael Fritz, MD

Impact of Dentition on Oral Cavity Free Flap Reconstruction Outcome
Michael Hall, MD; Nadia K. Mostovych, MD; Edmund Pribitkin, MD; Ryan Heffelfinger, MD

Midface Fracture Simulation and Repair: A Computer-Based Algorithm
Kalpesh Vakharia, MD; Virginia E. Drake, BA; Christopher Rizzi, MD; Jewel Greywoode, MD; Kavita T. Vakharia, MD, MS

Multidisciplinary Treatment of a Facial Arteriovenous Malformation
Bernard Tan, MBBS, MRCS (Edin)

Recurrence of Pneumosinus Dilatans: A Case Report
Wesley R. McIlwain, MD; Marc Hohman, MD; Roy Thomas, MD

Submental Flap for Soft Tissue Reconstruction after Parotidectomy
Rodrigo Bayon, MD

Three-Dimensional Analysis of Rhinoplasty with Composite Grafts
Neela Rao, MD; Dean Toriumi, MD

Tracheo-Cutaneous Fistula Repair Using a Folded Allogenic Graft
Andrew J. Lerrick, MD; Rowena Abasolo, APN, CNP

Treatment of Rhinophyma with an Ultrasonic Debrider: A Novel Method
Bradley J. Petty, MD; Joshua Wood, MD; Merry Sebelik, MD

Use of Enhanced Digital Photography to Predict HNBCC Mohs Defects
Nadia K. Mostovych, MD; Dominick Gadaleta, MD; Steven S. Greenbaum, MD; David Reiter, MD, DMD, MBA; Howard Krein, MD, PhD

A Rare Case of Unusual Foreign Body (Mobile Phone) in the Throat
Sathyashankar Puthran, MS, MRCS(ENT), DOHNS

A Rare Unusual Presentation of Seborrheic Keratosis of Pinna
Sathyashankar Puthran, MS, MRCS(ENT), DOHNS

Accessory Submandibular Duct Sialolithiasis
Andrew J. Thomas, MD; Kevin F. Wilson, MD
| SP 134 | Aerophagia and Subcutaneous Emphysema in Rett Syndrome  
Christine M. Clark, BA; Shivani Shah-Becker, MD; Neerav Goyal, MD, MPH |
| SP 135 | Carcinoma Ex Pleomorphic Adenoma in a Young Woman  
William R. Bond, MD, MBA; Delaram Taghipour, MD; Bonnie Davis, MD; Babak Shokrani, MD; Blair Simon II, MS |
| SP 136 | Clinical Impact of Smartphone Recording for Flexible Laryngoscopy  
Kirkland Lozada, MD; Kathryn M. Morton, MD; Katelyn Stepan, MD; Joseph Capo, MD; Raymond Chai, MD |
| SP 137 | Comparison of Salt Taste Threshold in Hypertensive and Normotensive  
Mikyung Ye, MD; Seunghyun Kang, MD; Hyoseung Jin, MD |
| SP 138 | Current Status of Simulation in Otolaryngology  
Omar Musbah, BEng; Abdullah Aydın, BSc, MBBS; Mohammed Anwar; Kamran Ahmed, MBBS, PhD |
| SP 139 | Diagnosis of Extra-Laryngeal Manifestation of LPRD  
Hideo Niwa, MD, PhD; Zhong Zhang, PhD; Chong Huei Shan, MS; Satoshi Horihata, PhD; Yasuhide Makiyama, MD, PhD |
| SP 140 | Eustachian Tube Dysfunction in Radiotherapy for Head and Neck Tumors  
Kazuyuki Akazawa, MD; Shigeto Ohta, MD, PhD; Hiroshi Doi, MD, PhD; Tomonori Terada, MD, PhD; Nobuhiro Uwa, MD, PhD; Masao Tanooka, PhD; Masafumi Sakagami, MD, PhD |
| SP 141 | Hurthle Cell Tumor of the Thyroid: A Case Series  
James K. Fortson, MD, MPH, MBA, CPE; Roger Su, MD |
| SP 142 | Hyperbaric Gas-Induced Osmotic Effect on Tissue Phantoms  
Anna C. Wilson, BS; Ericka A. Lara Ovarès, MD; Peter S. Karempelis, MD; Rick Odland, MD, PhD |
| SP 143 | Lingual Necrosis: A Rare Initial Presentation of Giant Cell Arteritis  
Ilene Chiu, MD; Nelson E. Liou, MD |
| SP 144 | Nodular Lymphocyte Predominant Hodgkin Lymphoma in a 13 Year-Old Girl  
James K. Fortson, MD, MPH, MBA, CPE; Roger Su, MD |
| SP 145 | Presentation of Ingested Wire Brush Bristle in the Anterior Neck  
Anna Bury; Ian Lalich, MD |
| SP 146 | Publication Rates of Abstracts Presented at AAO-HNSF Annual Meeting  
Sara Liu; Jason I. Kass, MD, PhD; Michael S. Cohen, MD |
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<td>Reprocessed Coblator Wands: Wire Degradation in Porcine Tongue Model</td>
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<td>Retained Foreign Body Masquerading as a Preauricular Mass</td>
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<td>Sialadenitis with Associated Auriculotemporal Symptoms and Syncope</td>
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www.omni-guide.com

Ono & Company, Ltd. ............................................................... 2609
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Oticon Medical ........................................................................ 1919
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Parnell Pharmaceuticals, Inc. ..................................................... 1610
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PENTAX Medical ..................................................................... 1934
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PHACON GmbH ........................................................................ 1944
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Plural Publishing, Inc. ................................................................. 2525
www.pluralpublishing.com
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<td>Preceptis Medical</td>
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<td>Prescott’s, Inc.</td>
<td><a href="http://www.surgicalmicroscopes.com">www.surgicalmicroscopes.com</a></td>
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<td>RB (Reckitt Benckiser)</td>
<td><a href="http://www.rb.com">www.rb.com</a></td>
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<td>Reliance Medical Products/ Haag-Streit</td>
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<td>Rendia</td>
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<td>Rose Micro Solutions</td>
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<td>Shire Human Genetic Therapies</td>
<td>2051, 2627 <a href="http://www.shire.com">www.shire.com</a></td>
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<td>SleepSource Alliance ENT</td>
<td>2234 <a href="http://www.sleepsource.us">www.sleepsource.us</a></td>
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<td>1516 <a href="http://www.smith-nephew.com">www.smith-nephew.com</a></td>
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<td>SMR</td>
<td>1217 <a href="http://www.globalsurgical.com/ENTHome.aspx">www.globalsurgical.com/ENTHome.aspx</a></td>
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Somna Therapeutics.................................................................2412
www.somnatherapeutics.com

Sontec Instruments, Inc. ..........................................................2305
www.sontecinstruments.com

SpecInc Products, LLC ..........................................................2150
www.specinc.com

Spectrum Audiology................................................................922
www.SpectrumAudiology.com

Springer ..................................................................................725
www.springer.com

Starkey Hearing Technologies ................................................1624
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Summit Medical, Inc. ...............................................................1613
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SurgiReal Products, Inc. ..........................................................517
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T&M Med Group .....................................................................2336

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Teleflex ....................................................................................1543
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Tesla Motors ............................................................................851
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The Doctors Company ................................................................731
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Thieme Medical Publishers .....................................................1605
www.thieme.com

ThyCa: Thyroid Cancer Survivors’ Association, Inc. .................1550
www.thyca.org

TinniLogic, Inc./Jiangsu BetterLife Medical, Inc. .......................2515
www.goblm.com

Torax Medical, Inc. ....................................................................2705
www.toraxmedical.com

Ultralight Optics, Inc. ...............................................................740, 1951
www.ultralightoptics.com

United Endoscopy ......................................................................916
www.unitedendoscopy.com
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<tr>
<td>University Medical Center Hamburg-Eppendorf</td>
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<td>US Ophthalmic</td>
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<tr>
<td>Valam</td>
<td>2614</td>
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<td>Veracyte</td>
<td>626</td>
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<td>Vigilant Biosciences</td>
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<td>Wiley</td>
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<td>Xoran Technologies, Inc.</td>
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<td>Zumax Medical Company Ltd.</td>
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SHUTTLE SCHEDULE
An official AAO-HNSF shuttle pass is required for outbound service.

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<th>INBOUND FROM HOTELS TO SDCC HALL D EVERY 30 - 35 MINUTES</th>
<th>RETURN TO HOTELS FROM SDCC HALL D EVERY 30 - 35 MINUTES</th>
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<tr>
<td>Saturday, September 17</td>
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<td>Monday, September 19</td>
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<td>Wednesday, September 21</td>
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SPECIAL SERVICE DETAILS

SATURDAY, SEPTEMBER 17
UCSD Simulation Center Tour
Service will be provided from the San Diego Convention Center, Hall D to the University of California San Diego Medical Education & Telemedicine Building at 12:00 pm. Return service will be provided back to the San Diego Convention Center, Hall D at 4:00 pm.

SUNDAY, SEPTEMBER 18
President’s Reception
Service will be provided from all official shuttle hotels to the San Diego Convention Center, Hall D from 6:00 pm - 7:00 pm, every 15-20 minutes. Return service will be provided back to all official shuttle hotels from 7:00 pm - 8:00 pm, every 20-30 minutes.

MONDAY, SEPTEMBER 19
BOG General Assembly
Continuous return service will be provided from the San Diego Convention Center, Hall D to official shuttle hotels from 6:30 pm - 7:30 pm, every 20-30 minutes.

Career Fair
Continuous return service will be provided from the Hilton Bayfront to official shuttle hotels from 7:00 pm - 8:30 pm, every 20-30 minutes.

Simulation Reception and Showcase
Continuous return service will be provided from the Hilton Bayfront to official shuttle hotels from 6:30 pm - 7:30 pm, every 20-30 minutes.

TUESDAY, SEPTEMBER 20
Alumni & International Reception
Service will be provided from all official shuttle hotels to the Hilton Bayfront from 6:00 pm - 8:30 pm, every 15-20 minutes. Return service will be provided back to all official shuttle hotels from 8:30 pm - 10:15 pm, every 20-30 minutes.

BOARDING INFORMATION

- Bristol Hotel
  - At US Grant, Curbside on 4th Street
- Courtyard by Marriott Downtown
  - At US Grant, Curbside on 4th Street
- Embassy Suites San Diego Bay
  - SW Corner of Harbor & Kettner
- Renaissance (Formerly W)
  - At Westin San Diego, Curbside on Broadway
- Sofia Hotel
  - At Westin San Diego, Curbside on Broadway
- US Grant
  - Curbside on 4th Street
- Westin Gaslamp Quarter
  - Curbside on 1st Avenue
- Westin San Diego
  - Curbside on Broadway

WALKING HOTELS

- Hard Rock Hotel
- Hilton Bayfront (HQ)
- Hilton Gaslamp Quarter
- Horton Grand
- Hotel Solamar
- Manchester Grand Hyatt
- Marriott Gaslamp Quarter
- Marriott Marquis & Marina
- Omni San Diego Hotel
- Residence Inn Gaslamp Quarter

HOTEL SHUTTLE INFORMATION OR ADA TRANSPORTATION

Please call 1-877-714-2305. Accessible equipment is available during scheduled shuttle hours. Please request ADA service at least 20 minutes in advance of desired pick up time.
### DOWNTOWN SAN DIEGO

#### HOTEL MAP

<table>
<thead>
<tr>
<th>HOTEL NAME</th>
<th>RATE</th>
<th>DISTANCE</th>
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<tbody>
<tr>
<td>Hilton Bayfront (HEADQUARTERS) One Park Boulevard</td>
<td>$279 City view S/D $299 Bay view S/D</td>
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<tr>
<td>Courtyard by Marriott Downtown 530 Broadway</td>
<td>$259 S/D</td>
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<tr>
<td>Embassy Suites Bay Downtown 601 Pacific Highway</td>
<td>$239 S</td>
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<tr>
<td>Hard Rock Hotel 207 5th Avenue</td>
<td>$259 S/D</td>
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<tr>
<td>Hilton San Diego Gaslamp Quarter 401 K Street</td>
<td>$269 S/D</td>
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<tr>
<td>Hotel Solamar 435 6th Avenue</td>
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<tr>
<td>Manchester Grand Hyatt One Market Place</td>
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<tr>
<td>Marriott Gaslamp Quarter 660 K Street</td>
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<tr>
<td>Marriott Marquis &amp; Marina 333 West Harbor Drive</td>
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<tr>
<td>Omni San Diego Hotel 675 L Street</td>
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<tr>
<td>Residence Inn Downtown/ Gaslamp Quarter 356 6th Ave.</td>
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<tr>
<td>The US Grant 326 Broadway</td>
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<tr>
<td>Renaissance San Diego 421 West B Street</td>
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<tr>
<td>The Westin Gaslamp Quarter 910 Broadway Circle</td>
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<tr>
<td>Westin San Diego 400 West Broadway</td>
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<tr>
<td>The Sofia Hotel 150 West Broadway</td>
<td>$185 S/D</td>
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<tr>
<td>Horton Grand 311 Island Avenue</td>
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SAN DIEGO HILTON BAYFRONT
INDIGO AND SAPPHIRE LEVELS

INDIGO LEVEL

SAPPHIRE LEVEL

= Elevators & Escalators
= Restroom s

BOARD OF DIRECTORS MEETING
CORPORATE SYMPOSIUM
COMMITTEE ROOMS
SIMULATION SHOWCASE & RECEPTION
CAREER FAIR INTERNATIONAL RECEPTION
ALUMNI RECEPTIONS
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AAO-HNS offers value-added benefits that help members achieve excellence and provide the best ear, nose, and throat care.

We provide the tools and resources needed to be successful, especially during today’s ever-evolving healthcare environment.

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AAO-HNSF MEETING & OTO EXPERIENCE
SEPTEMBER 10-13, 2017 CHICAGO, IL

SIGN UP IN THE SAILS PAVILION