

AMERICAN OTOLOGICAL SOCIETY
152nd Annual Meeting
PRELIMINARY PROGRAM
May 3-5, 2019
JW Marriott Austin
Austin, TX

SATURDAY, MAY 4, 2019

1:00 BUSINESS MEETING (*New member introduction*)
(*Members Only*)

1:20 SCIENTIFIC PROGRAM
(*Open to registered Members and Non-members – Badge required for admittance*)

1:20 WELCOME & OPENING REMARKS BY THE PRESIDENT
Carol A. Bauer, MD

PRESIDENTIAL CITATIONS

1:30 GUEST OF HONOR LECTURE
Age-related Hearing Loss: Translation from Animals Models to Human Hearing
Judy R. Dubno, PhD
Department of Otolaryngology-Head and Neck Surgery
Medical University of South Carolina

1:55 INTRODUCTION

1:56 Effect of Vitamin D Deficiency and Rickets on Hearing Loss in Children
Charmee H. Mehta, BSPH
Michaela F. Close, BS
James R. Dornhoffer, MD
Yuan F. Liu, MD
Shaun A. Nguyen, MD
Teddy R. McRackan, MD, MSCR
Ted A. Meyer, MD, PhD

2:03 Factors Influencing Duration of Hearing Loss Prior to Cochlear Implantation
James R. Dornhoffer, MD
Meredith Holcomb, AuD
Ted A. Meyer, MD, PhD
Judy R. Dubno, PhD
Teddy R. McRackan, MD, MSCR

2:10 Systematic Review and Network Meta-analysis of Cognitive and/ or Behavioral Therapies (CBT) for Tinnitus
Evie C. Landry, DSS, MD, MSc
Calla N. Simeone, BA, MSc
Xochitl Citlalli Romo Sandoval, BSc, MSc
Brian D. Westerberg, MD, MHSc
Jane Lea, BSc, MD
Glynnis Tidball, BA, DipAL, MSc (Aud, SLP)

2:17 Effect of Malnutrition on Hearing Loss in Children
Michaela F. Close, BS
Charmee H. Mehta, BSPH
James R. Dornhoffer, MD
Yuan F. Liu, MD
Shaun A. Nguyen MD

Teddy R. McRackan, MD, MSCR

Ted A. Meyer, MD, PhD

2:24 DISCUSSION

2:30 SAUMIL N. MERCHANT MEMORIAL LECTURE

Say What? Brief Periods of Hearing Loss during Early Development Can Have Consequences Later in Life

Daniel Tollin, PhD

Department of Physiology and Biophysics

University of Colorado School of Medicine

2:55 BREAK WITH EXHIBITORS

3:25 Polymorphisms in NLRP3 Inflammasome May Increase Host Susceptibility to Acquired Cholesteatoma

Neel R. Sangal, BA

Marcus Elias, BS

Biju Joseph, PhD

Luis Ulloa, PhD

Robert Jyung, MD

3:32 Change in Eustachian Tube Function with Balloon Dilation

Cuneyt M. Alper, MD

Miriam S. Teixeira, MD, PhD

Tanya J. Rath, MD

Denise Hall-Burton, MD

J. Douglas Swarts, PhD

3:39 Balloon Dilation for Eustachian Tube Dilatory Dysfunction in Children

Joonas Toivonen, MD

Kosuke Kawai, ScD

Dennis Poe, MD, PhD

3:46 Toll-like Receptor 4 Signaling and Downstream Neutrophilic Inflammation Mediate Endotoxemia-Enhanced Blood-Labyrinth Barrier Trafficking

Zachary D. Urdang, PhD

Jessica L. Bills, BS

David Y. Cahana, BS

Leslie M. Muldoon, PhD

Edward A. Neuwelt, MD

3:53 Quinolone Ear Drops Cause Perforations in Intact Rat Tympanic Membranes

Carolyn O. Dirain, PhD

David N. Karnani, BS

Patrick J. Antonelli, MD

4:00 DISCUSSION

4:05 PANEL

Pediatric Mild and Unilateral Hearing Loss: New Data

Karen J. Enright, MD, PhD, Moderator

5:00 DISCUSSION

5:10 CLOSING REMARKS/ADJOURNMENT

SUNDAY, MAY 5, 2019

7:00 BUSINESS MEETING (*Committee/Treasurer Reports*)
(*Members Only*)

7:30 SCIENTIFIC PROGRAM
(*Open to registered Members and Non-members – Badge required for admittance*)

7:30 WELCOME & OPENING REMARKS BY THE PRESIDENT
Carol A. Bauer, MD

7:35 Results from a Second-Generation Vestibular Implant in Human Subjects: Diagnosis May Impact Electrical Sensitivity of Vestibular Afferents

Jay T. Rubinstein, MD, PhD

James O. Phillips, PhD

Leo Ling, PhD

Kaibao Nie, PhD

Amy Nowack

7:42 Vestibular End Organ Preservation in the Implanted Cochlea

Brooke M. Su, MD, MPH

Ivan A. Lopez, PhD

Gail Ishiyama, MD

Akira Ishiyama, MD

7:49 Neuropsychological Vertigo Inventory for Quantification of Cognitive Dysfunction in Dizzy Patients: Preliminary Results

Yuan F. Liu, MD

Taylor D. Locklear, BS

Jeffrey D. Sharon, MD

Shaun A. Nguyen, MD

Habib G. Rizk, MD

7:56 A Cohort Study Comparing Importance of Clinical Factors in Determining Diagnosis and Treatment for Superior Semicircular Canal Dehiscence Syndrome

Lisa Zhang, BS, BA

Francis X. Creighton Jr, MD

John P Carey, MD

8:03 The cVEMP as a Prognostic Tool for Development of Bilateral Meniere's Disease

Kimberley S. Noij, MD

Barbara S. Herrmann, PhD

John J. Guinan Jr., PhD

Steven D. Rauch, MD

8:10 Imaging is Not Indicated in the Investigation of Isolated Objective Vestibular Weakness

Deanna Gigliotti, MSc

Brian Blakley, MD

Paige Moore, MD

Jordan Hochman, MD

8:17 DISCUSSION

8:25 AOS CLINICIAN SCIENTIST AWARD PRESENTATION
Hearing Loss and Dementia: Where Are We Now?

Richard K. Gurgel, MD

University of Utah

- 8:40 Impact of Underlying Diagnosis on Speech and Quality of Life Outcomes after Cochlear Implantation for Single-Sided Deafness**
Tiffany Peng, MD
Joshua J. Sturm, MD, PhD
Abby Owen
Megan Kuhlmeier, AuD
Ilana P. Cellum, AuD
Lawrence R. Lustig, MD
Ana H. Kim, MD
- 8:47 Prevalence of Xerostomia Among Cochlear Implant Recipients - A Cross-Sectional Survey**
Heather M. Weinreich, MD MPH
Benjamin Ostrander, MSE
Seth E. Pross, MD
Howard W. Francis, MD, MBA
- 8:54 Identifying Disadvantaged Groups for Cochlear Implantation: Demographics from a Large Cochlear Implant Program**
Natalie Schauwecker, BBA, BS
Anthony M. Tolisano, MD
Bethany Baumgart, AuD
Johanna Whitson, AuD
J. Walter Kutz, MD
Brandon Isaacson, MD
Jacob B. Hunter, MD
- 9:01 Lateral Wall Electrodes Increase the Rate of Post-Activation Non-Auditory Percepts**
Adam C. Kaufman, MD, PhD
James G. Naples, MD
Douglas C. Bigelow, MD
Steven J. Eliades, MD, PhD
Hannah S. Kaufman, AuD
Michael J. Ruckenstein, MD
- 9:08 Cochlear Implantation with a Slim, Modiolar Array**
Jonathan L. McJunkin, MD
Nedim Durakovic, MD
Jacques Herzog, MD
Cameron C. Wick, MD
Craig A. Buchman, MD
- 9:15 Controlled Microperforation of Human Round Window Membrane in Situ**
Harry Chiang, BA
Michelle Yu, BS
Wenbin Wang, MS
Aykut Aksit, MS
Miguel Arriaga, PhD
Jeffrey W. Kysar, PhD
Anil K. Lalwani, MD
- 9:22 DISCUSSION**
- 9:28 COFFEE BREAK**

- 9:50 Regular Wave Patterns on Ambient Pressure Tympanometry in Patients with Pulsatile Tinnitus-associated Pathologies**
Anthony Thai, BA
Zahra N. Sayyid, BS
Davood K. Hosseini, MD
Yifei Ma, MS
Austin Swanson, AuD
Matthew Fitzgerald, PhD
Yona Vaisbuch, MD
- 9:57 Assessment of Hearing-Aid Benefit through Patient-Reported Outcomes**
James R. Dornhoffer, MD
Ted A. Meyer, MD, PhD
Teddy R. McRackan, MD, MSCR
- 10:04 Immune Response of Macrophage Population to Cochlear Implantation**
Kathryn Y. Noonan, MD
Ivan Lopez, PhD
Gail Ishiyama, MD
Akira Ishiyama, MD
- 10:11 The Future of Cochlear Implant**
Juichi Ito, MD, PhD
- 10:18 Evaluation of Intracochlear Trauma with Manual and Robotic-assisted Cochlear Implant Insertion**
Christopher R. Kaufmann, MD
Allan M. Henslee, PhD
Marlan R. Hansen, MD
- 10:25 Effect of Laser Stapedotomy on Intracochlear Pressure Measurements**
Emily S. Misch, MD
Renee M. Banakis Hartl, MD, AuD
Samuel P. Gubbels, MD
Nathaniel T. Greene, PhD
- 10:32 Utility of Perilymph microRNA Sampling for Identification of Active Gene Expression Pathways in Otosclerosis**
Helena Wichova, MD
Matthew Shew, MD
Hinrich Staecker, MD, PhD
- 10:39 DISCUSSION**
- 10:50 PANEL**
Looking Through the rEARview Mirror: Unexpected Challenges in Endoscopic Ear Surgery
Maura K. Cosetti, MD, Moderator
- 11:50 DISCUSSION/COMMENTS**
- 12:00 INTRODUCTION OF INCOMING PRESIDENT**
John P. Carey, MD
- 12:05 CLOSING REMARKS/ADJOURNMENT**