



AMERICAN OTOLOGICAL SOCIETY
154th Annual Spring Meeting
VIRTUAL PROGRAM

ALL TIMES listed are Central Time

SUNDAY, APRIL 11, 2021

SCIENTIFIC PROGRAM

9:00 WELCOME AND OPENING REMARKS

Patrick J. Antonelli, MD

9:02 PRESIDENTIAL CITATIONS

George T. Singleton, MD

Larry B. Lundy, MD

Samuel C. Levine, MD

9:10 GUEST OF HONOR LECTURE (25 min)

“Noise-Induced Hearing Loss: Pathophysiology, Treatment, and Prevention”

Colleen G. Le Prell, PhD

Professor; Chair, Department of Speech, Language, and Hearing Science

Emilie and Phil Schepps Professorship in Hearing Science

University of Texas, Dallas, TX

9:35 DISCUSSION (5 min)

9:42 INTRODUCTION of ABSTRACTS

9:43 Does Frailty or Age Increase the Risk of Postoperative Complications following Cochlear Implantation?

Steven A. Gordon, MD, MPH

Neil S. Patel, MD

Richard K. Gurgel, MD, MSCI

9:49 Cochlear Implantation and Risk of Falls in Older Adults

David R. Grimm, MS

Shayan Fakurnejad, MD

Jennifer C. Alyono, MD

9:55 Caregiver Quality of Life after Cochlear Implantation in Older Adults

Alana Aylward, MD

Morganne Murphy-Meyers, BS

Chelsea McCarty Allen, PhD

Steven A. Gordon, MD, MPH

Neil S. Patel, MD

Richard K. Gurgel, MD, MSCI

10:01 RESIDENT RESEARCH TRAVEL AWARD

Utilization of Aural Rehabilitation and Listening Activities and Its Influence on 3-6 Month Cochlear Implant Outcomes in Adults

James R. Dornhoffer, MD

Priyanka Reddy, BS

Cheng Ma, BS

Judy R. Dubno, PhD

Theodore R. McRackan, MD, MSCR

10:07 Insertion Depth and Cochlear Implant Speech Recognition Outcomes: A Comparative Study of 28- and 31.5-mm Lateral Wall Arrays

Michael W. Canfarotta, MD

Margaret T. Dillon, AuD

Kevin D. Brown, MD, PhD

Matthew M. Dedmon, MD, PhD

Harold C. Pillsbury, MD

Brendan P. O'Connell, MD

10:13 DISCUSSION (8 min)

10:23 Comparing Tympanoplasty Outcomes for Porcine Small Intestinal Submucosal Grafting with Temporalis Fascia, Regenerative Tissue Matrix, and Tragal Cartilage Grafting

Evan Cumpston, MD

Brian P. Perry, MD

10:29 Mesenchymal Stem Cells for Treatment of Delayed-Healing Tympanic Membrane Perforations Using Hyaluronate-Based Laminas as a Delivery System: An Animal Model with Histopathologic Study

David Shahal, MD

Stefania Goncalves, MD

Simon I. Angeli, MD

10:35 Topical Fibroblast Growth Factor-2 for Treatment of Chronic Tympanic Membrane Perforations

Felipe Santos, MD

Edina Shu

Daniel J. Lee, MD

David H. Jung, MD, PhD

Alicia M. Quesnel, MD

Konstantina M. Stankovic, MD, PhD

D. Bradley Welling, MD, PhD

10:41 Topical Therapy Failure in Chronic Suppurative Otitis Media Is Due to Persister Cells in Biofilms

Anthony Thai, MS

Peter L. Santa Maria, MBBS, PhD

Adam C. Kaufmann, MD, PhD

Brian Bacacao, BS

Xiaohua Chen, MD, MS

Ayman Elsheikh, MD

Laurent A. Bekale, PhD

10:47 Quinolone Ear Drops Linked to Tendinopathy & Tendon Rupture

Phuong T. Tran, MPH

Patrick J. Antonelli, MD

Almut G. Winterstein, PhD

10:53 DISCUSSION (7 min)

11:00 BREAK

11:15 INVITED LECTURE (25 min)

“Ethical Hazards in Surgical Practice”

Casey Jo Humbyrd, MD, MBE

University of Pennsylvania

Associate Professor of Orthopedic Surgery

Chief, Foot and Ankle Division

Director of the Program in Surgical Ethics

Philadelphia, PA

11:40 DISCUSSION (5 Min)

11:47 INTRODUCTION of ABSTRACTS

11:48 Does Otologic Surgery Result in Meaningful Hearing Improvement?

Priyanka Reddy, BS

Terral Patel, MD

Ted A. Meyer, MD, PhD

Paul R. Lambert, MD

Theodore R. McRackan, MD, MSCR

11:54 Audiologic Outcomes of Footplate Drillout for Obliterative Otosclerosis

Robert M. Conway, DO

Pedrom C. Sioshansi, MD

Amy Schettino MD

Dennis I. Bojrab MD

Seilesh C. Babu MD

Christopher A. Schutt, MD

12:00 Audiologic Outcomes following Transmastoid and Middle Cranial Fossa Approaches for SSCD Repair

Susan Ellsperman, MD

Steven A. Telian, MD

Paul R. Kileny, PhD

Christopher M. Welch, MD, PhD

12:06 Hearing Outcomes in Superior Canal Dehiscence Syndrome with Concurrent Tegmen Tympani Defects

Eric J. Formeister, MD, MS

Lisa Zhang, BS

John P. Carey, MD

12:12 Otologists Are at Risk for Surgical Noise-Induced Hearing Loss

Nathan D. Cass, MD

Elizabeth L. Perkins, MD

Todd A. Ricketts, PhD

Marc L. Bennett, MD

12:18 DISCUSSION (7 min)

12:25 INTRODUCTION of 13 NEW AOS MEMBERS from 2020 & 2021

12:53 RECOGNITION OF POSTER WINNERS

12:55 LUNCH BREAK

1:45 BUSINESS MEETING

2:00 SAUMIL N. MERCHANT MEMORIAL LECTURE

“Unlocking the Inner Ear with Synchrotron Phase-Contrast Imaging”

Sumit K. Agrawal, MD

Associate Professor

Neurotology & Skull Base Surgery

Department of Otolaryngology - Head & Neck Surgery

University Hospital

London Health Sciences Centre

Ontario, Canada

2:25 DISCUSSION (5 min)

2:30 INTRODUCTION of ABSTRACTS

2:31 RESIDENT RESEARCH TRAVEL AWARD

Histopathologic Analysis of Temporal Bones with Otosclerosis following Cochlear Implantation

Sarah E. Hodge, MD

Gail Ishiyama, MD

Ivan Lopez, PhD

Akira Ishiyama, MD

2:37 Cochlear Implantation through Intracochlear Fibrosis: A Comparison of Surgical Techniques

Anne K. Maxwell, MD

Jacob B. Kahane, MD

Rahul Mehta, MD

Moises A. Arriaga, MD, MBA

2:43 Understanding Public Perceptions Regarding Cochlear Implant Surgery in Adults

Lisa Zhang, BS, BA

Andy S. Ding, BA

Deborah X. Xie, MD

Francis X. Creighton, MD

2:49 Hearing Loss and Incident Dementia: Claims Data from the New York SPARCS Database

Alexander Chern, MD

Rahul K. Sharma, BS

Justin S. Golub MD, MS

2:55 Association of Vitamin D Levels with Benign Paroxysmal Positional Vertigo Outcomes

Leah H. Cobb, MSc

Victoria O. Bailey, BSc

Yuan F. Liu, MD

Michael T. Teixido, MD

Habib G. Rizk, MD

- 3:01 DISCUSSION (7 min)**
- 3:08 BREAK**
- 3:23 INTRODUCTION of ABSTRACTS**
- 3:24 The Correlation of Clinical Corticosteroid Responsiveness with Expression of IL-6 in Peripheral Blood Immune Cells (PBMC) in Patients with Autoimmune Inner Ear Disease (AIED)**
Scott W. Gorthey, MD
Shresh Pathak, PhD
Andrea Vambutas, MD
- 3:30 Utilizing Single Cell RNA-Sequencing to Implicate Cell Types and Therapeutic Targets for SSNHL in the Adult Cochlea**
Lacey Nelson, BS
J. Dixon Johns, MD
Shoujun Gu, PhD
Michael Hoa, MD
- 3:36 Opioids Are Infrequently Required following Ambulatory Otologic Surgery**
Maria A. Mavrommatis, BA
Vivian F. Kaul, MD
Zachary G. Schwam, MD
Dillan F. Villavisanis, BA
Enrique Perez, MD, MBA
George B. Wanna, MD
Maura K. Cosetti, MD
- 3:42 The Cell Phone Vibration Test: A Telemedicine Substitute for the Tuning Fork Test**
Alex Yang, BA
Nora Watson, PhD
Robert J. Lewis, MD
Anthony M. Tolisano, MD
- 3:48 DISCUSSION (6 min)**
- 3:54 Developmental Disruptions of the Human Stapes**
Felipe Santos, MD
Thais Abrahão, MD, PhD (Presenter)
- 4:00 Congenital Aural Atresia with Cholesteatoma - Diagnosis and Outcome**
Geoffrey C. Casazza, MD
Rachel H. Jonas, MD
Bradley W. Kesser, MD
- 4:06 Epidemiological and Long-term Medical and Surgical Outcomes in Chronic Suppurative Otitis Media**
Anthony Thai, MS
Ksenia A. Aaron, MD
Adam C. Kaufman, MD, PhD
Peter L. Santa Maria, MBBS, PhD

4:12 Eustachian Tube Dilation Outcomes at a Tertiary Academic Center

Micah Gibson, MD

Shubham Patel, BS

Esther X. Vivas, MD

4:18 DISCUSSION (6 min)

4:27 PANEL COLLABORATION with AOS/ASGO - “What’s New in Geriatric Otology?”

Kouros Parham, MD, PhD, Moderator

Steven M. Parnes, MD

Selena E. Briggs, MD, PhD, MBA

Cameron C. Wick, MD

Yuri Agrawal, MD, MPH

5:20 DISCUSSION WITH PANEL (10 min)

5:32 INTRODUCTION OF NEXT AOS PRESIDENT - Marlan R. Hansen, MD

Patrick J. Antonelli, MD

5:34 CLOSING REMARKS

5:40 ADJOURN