

AMERICAN NEUROTOLOGY SOCIETY
58th Annual Spring Meeting
PRELIMINARY PROGRAM
May 5 - 6, 2023
Boston, MA

FRIDAY, MAY 5, 2023

- 1:00 BUSINESS MEETING** (*Treasurer's report/New member induction*)
(*Members Only*)
- 1:30 SCIENTIFIC SESSION**
(*Open to registered Members and Non-members – Badge required for admittance*)
- 1:30 WELCOME & OPENING REMARKS BY THE PRESIDENT**
Fred F. Telischi, MD
- 1:32 PRESIDENTIAL CITATIONS**
Thomas Balkany, MD
Jacques Morcos, MD
Donna Sorkin, MA
Krzysztof Morawski, MD, PhD
Michal Luntz-Kaminski, MD
Brenda Lonsbury-Martin, PhD
- 1:40 4th ANNUAL NOEL L. COHEN AWARD FOR SIGNIFICANT CONTRIBUTIONS TO
OTOLOGY AND NEUROTOLOGY**
- 1:45 INTRODUCTION OF WILLIAM F. HOUSE MEMORIAL LECTURE**
Fred F. Telischi, MD
- 1:46 WILLIAM F. HOUSE MEMORIAL LECTURE**
**“Found in Translation: At the Intersection of Biomedical Engineering, Audiology and
Neurotology”**
Suhrud M. Rajguru, PhD
Professor of Biomedical Engineering and Otolaryngology
University of Miami
Director, Miami CTSI Workforce Development
Co-director, Institute for Neural Engineering at Miami
Research Health Scientist, Bruce W. Carter Department of Veterans Affairs Medical Center
Miami, FL
- 2:16 INTRODUCTION OF ABSTRACTS - COCHLEAR IMPLANTS: HEARING PRESERVATION**
Meredith E. Adams, MD, Moderator
- 2:17 Add-on Flexible Sensor Arrays for Real-time Monitoring of Cochlear Implant Electrode Insertion**
Jay W. Reddy, PhD
Mohsen Tabrizi, PhD
Douglas A. Chen, MD
Abraham Jacob, MD
Maysam Chamanzar, PhD

2:24 NEUROTOLOGY FELLOW AWARD

Application of Spectral Domain Optical Coherence Tomography to Visualize Cochlear Microanatomy

Pawina Jiramongkolchai, MD

Marcello M. Amaral, PhD

Yilin Li

Timothy Holden, BSE

Chao Zhou, PhD

Craig A. Buchman, MD

2:31 The Local Relationship between Acute Insertion Trauma and Chronic Intracochlear Ossification and Fibrosis after Cochlear Implantation: A Human Temporal Bone Study

Alexander R. Geerardyn, MD

MengYu Zhu, MS

Joseph B. Nadol Jr., MD

Nicolas Verhaert, MD, PhD

Alicia M. Quesnel, MD

2:38 Incidence of Electrode Contacts in The Functional Acoustic Region for Cochlear Implant Recipients with Hearing Preservation

Evan P. Nix, MD, MBA

Nicholas J. Thompson, MD

Margaret T. Dillon, AuD, PhD

Matthew M. Dedmon, MD, PhD

Morgan Selleck, MD

Kevin D. Brown, MD, PhD

2:45 DISCUSSION

2:50 BREAK WITH EXHIBITORS

3:20 INTRODUCTION OF ABSTRACTS - COCHLEAR IMPLANTS: PERFORMANCE OUTCOMES

J. Thomas Roland Jr., MD, Moderator

3:21 Factors Affecting Performance in Adults with Cochlear Implants: A Role for Cognition and Residual Cochlear Function

Amit Walia, MD

Matthew A. Shew, MD

Amanda Ortmann, PhD

Jordan Varghese, MD

Shannon Lefler, AuD

Jacques A. Herzog, MD

Craig A. Buchman, MD

3:28 Early Datalogging Predicts Cochlear Implant Performance: Building a Recommendation for Daily Device Usage

Nathan R. Lindquist, MD

Mary S. Dietrich, PhD, MS

Ankita Patro, MD, MS

René H. Gifford, PhD

David S. Haynes, MD

Elizabeth L. Perkins, MD

Jourdan T. Holder, AuD, PhD

3:35 Responsible Imputation of Missing Speech Perception Testing Data

Cole Pavelchek, BS

David S. Lee, MD

Amit Walia, MD

Amanda Ortmann, PhD

Jacques A. Herzog, MD

Craig A. Buchman, MD

Matthew A. Shew, MD

3:42 Age of Cochlear Implantation within the Pediatric Population with Congenital Sensorineural Hearing Loss

Ashley M. Nassiri, MD, MBA

John P. Marinelli, MD

Christine M. Lohse, MS

Matthew L. Carlson, MD

3:49 DISCUSSION

3:54 INTRODUCTION OF THE ANS RESEARCH GRANT

Fred F. Telischi, MD

3:55 ANS RESEARCH GRANT PRESENTATION

“Molecular Mechanisms of Hypofractionation and Radiation Resistance in Vestibular Schwannoma.”

Aida Nourbakhsh, MD, PhD

ANS 2022 Research Grant Recipient

University of Miami Miller School of Medicine

4:05 INTRODUCTION OF PANEL

Fred F. Telischi, MD

4:06 PANEL

Treating Meniere’s Disease as a Migraine-Variant: New Paradigm or Temporary Fad?

J. Walter Kutz, MD (Moderator)

Hamid Djalilian, MD

Jeffrey Kuhn, MD

Jennifer Maw, MD

Jeffrey Sharon, MD

Kristen Steenerson, MD

5:06 ANNOUNCEMENT OF ANS & AOS POSTER WINNERS

Yuri Agrawal, MD - ANS Education Director

Nancy Young, MD - AOS Education Director

5:10 CLOSING REMARKS/ADJOURNMENT

Fred F. Telischi, MD

SATURDAY, MAY 6, 2023

7:00 BUSINESS MEETING (O&N/Committee Reports)

(Members Only)

7:30 SCIENTIFIC SESSION

(Open to registered Members and Non-members – Badge required for admittance)

7:30 WELCOME & OPENING REMARKS BY THE PRESIDENT

Fred F. Telischi, MD

7:32 INTRODUCTION OF ABSTRACTS - COCHLEAR IMPLANTS: INNOVATION AND SPECIAL CONSIDERATIONS

Peter C. Weber, MD, MBA, Moderator

7:33 Pre-Surgical MRI Radiomics Data Predicts Post-Implantation Electrocochleography Thresholds in Radiographically Normal Pediatric Cochleae

Nicholas A. George-Jones, MD

Christine Etler, AuD

Tanya Van Vorst, AuD

Camille C. Dunn, PhD

Bruce J. Gantz, MD

Marlan R. Hansen, MD

7:40 ANS TRAINEE AWARD

Machine Learning Approach for Screening Cochlear Implant Candidates: Comparing with the 60/60 Guideline

Ankita Patro, MD, MS

Elizabeth L. Perkins, MD

Carlos Ortega, BS

Nathan R. Lindquist, MD

René H. Gifford, PhD

David S. Haynes, MD

Naweed Chowdhury, MD, MPH

7:47 The Impact of Musical Rehabilitation on Complex Sound Perception in Cochlear Implant Users: A Systematic Review

Hasan Abdalbaki, BA

Jonathan Mo, BS, BM

Charles J. Limb, MD

Nicole T. Jiam, MD

7:54 Vestibular Weakness in Cochlear Implant Candidates

Allison Reeder, MD

Rema Shah, BS

John F. Kveton, MD

Eugenia Vining, MD

Hannah Dunn, AuD

Nofrat Schwartz, MD

8:01 Estimation of Cochlear Implant Insertion Depth Using 2D-3D Image Registration of Postoperative X-Ray and Preoperative CT Image

George S. Liu, MD

Shayna P. Cooperman, MD

Caio A. Neves, MD

Nikolas H. Blevins, MD

- 8:08 Comparison of Cochlear Implant Outcomes in Vestibular Schwannoma between Sporadic and Neurofibromatosis Type 2 Populations**
James R. Dornhoffer, MD
Travis Haller, MD
Brian A. Neff, MD
Colin L.W. Driscoll, MD
Matthew L. Carlson, MD
- 8:15 DISCUSSION**
- 8:20 INTRODUCTION OF ABSTRACTS - VESTIBULAR SCHWANNOMA**
Courtney C.J. Voelker, MD, PhD, Moderator
- 8:21 Metformin Reduces Tumor Growth in a Murine Flank Schwannoma Model**
Sudhir Manickavel, MD
Yolanda Hartman, BS
Andrew Burns, BS
Manuel A. Lora Gonzalez, MD
Jason Warram, PhD
Erika M. Walsh, MD
Daniel E. Killeen, MD
- 8:28 ANS TRAINEE AWARD**
Identifying Tumor Microenvironment Biomarkers in Adherent and Cystic Vestibular Schwannomas
Lisa Zhang, MD
Hsuan-Chih Kuo
Jose Otero, MD, PhD
Yin Ren, MD, PhD
- 8:35 A Mouse Model of Neurofibromatosis Type 2 Demonstrates Glial Cell Proliferation and Neuronal Loss**
Judith S. Kempfle, MD
Andrea Zhang, BS
Richard Kuang, BS
Sina Schwinn, BS
Konstantina Stankovic, MD, PhD
D. Bradley Welling, MD, PhD
David H. Jung, MD, PhD
- 8:42 Automated Radiomic Analysis of Vestibular Schwannomas and Inner Ears using Contrast-enhanced T1-weighted and T2-weighted MRI Sequences and Artificial Intelligence**
Caio A. Neves, MD
George S. Liu, MD
Trishia El Chemaly, MS
Isaac A. Bernstein, BS
Nikolas H. Blevins, MD
- 8:49 Stratifying Risk of Future Growth Among Growing Sporadic Vestibular Schwannomas**
John P. Marinelli, MD
Zane Schnurman, MD, MBA
Daniel E. Killeen, MD
Jacob B. Hunter, MD

Douglas Kondziolka, MD
J. Thomas Roland Jr., MD
Matthew L. Carlson, MD

8:56 Limitations of Linear Tumor Measurement in Vestibular Schwannoma

Michael H. Freeman, MD
Nathan R. Lindquist, MD
Robert J. Dambrino IV, MD
Nathan D. Cass, MD
Peter J. Morone, MD
Kareem O. Tawfik, MD

9:03 DISCUSSION

9:08 INTRODUCTION OF WILLIAM E. HITSELBERGER LECTURE

Fred F. Telischi, MD

9:10 WILLIAM E. HITSELBERGER MEMORIAL LECTURE

“Chemotherapy for Vestibular Schwannoma: Finding the Right Niche”

Scott R. Plotkin, MD, PhD
Executive Director, Stephen E. & Catherine Pappas Center for Neuro-Oncology
Massachusetts General Hospital
Armenise Family-Harvard Professor of Neurology, Harvard Medical School
Boston, MA

9:40 BREAK WITH EXHIBITORS

10:10 INTRODUCTION OF ABSTRACTS - VESTIBULAR AND OTHER TOPICS

Ronna Hertzano, MD, PhD, Moderator

10:11 Contribution of Endoplasmic Reticulum Stress to Noise-induced Hearing Loss in the Mouse Cochlea

Tracy Cheng, MD, MHSc
Julia D. Lewis, BS
Alicia M. Frank, MPPM
Abigail Sanders BS
Christopher L. Cunningham, PhD

10:18 Use of Observational Camera in Rotary Chair Test for Young Children: Clinical Experience and Outcomes

Guangwei Zhou, ScD
Stephanie Walsh, BA
Jacob Brodsky, MD

10:25 Nortriptyline vs. Migraine Lifestyle Modifications on Vestibular Migraine

Karen Tawk, MD
Joshua K. Kim, BS
Abdula Al-Seraji, BS
Khodayar Goshtasbi, MD
Mehdi Abouzari, MD, PhD
Hamid R. Djalilian, MD

10:32 The Natural History of Observed Sdhx-Related Head and Neck Paragangliomas Using 3D Volumetric Tumor Analysis

Evan L. Tooker, MS

Richard H. Wiggins, III, MD
Mana Espahbodi, MD
Anne Naumer, MS
Luke O. Buchmann, MD
Samantha E. Greenberg, MS
Neil S. Patel, MD

10:39 The Role of Lumbar Drains in the Perioperative Management of Primary Spontaneous Temporal Lobe Encephaloceles and Cerebrospinal Fluid Leaks

Zachary G. Schwam, MD
Maria Mavrommatis, MD
Sunder Gidumal, MD
Enrique R. Perez, MD, MBA
Maura K. Cosetti, MD
George B. Wanna, MD

10:46 NICHOLAS TOROK VESTIBULAR AWARD

Mindfulness-Based Stress Reduction for the Treatment of Vestibular Migraine: A Prospective Trial

Eric J. Formeister, MD, MS
James Mitchell, PhD
Roseanne Krauter, FN-P
Ricky Chae, BS
Adam Gardi, BS
Maxwell Hum, BS
Jeffrey D. Sharon, MD

10:53 DISCUSSION

10:58 INTRODUCTION OF PANEL

Fred F. Telischi, MD

10:59 PANEL

Treatment of the Facial Nerve: from Inside Out

Daniel Zeitler, MD (Co-Moderator)
Emily Stucken, MD (Co-Moderator)
Jacques Morcos, MD
Seilesh Babu, MD
Myriam Loyo Li, MD, MCR

12:00 CLOSING REMARKS

Fred F. Telischi, MD

INTRODUCTION OF INCOMING PRESIDENT

Elizabeth H. Toh, MD, MBA

12:05 ADJOURNMENT