



AMERICAN NEUROTOLOGY SOCIETY
56th Annual Spring Meeting
VIRTUAL PROGRAM

ALL TIMES listed are Central Time

SATURDAY, APRIL 10, 2021

SCIENTIFIC PROGRAM - "NEUROTOLOGY ACROSS THE LIFE SPAN"

9:00 WELCOME AND OPENING REMARKS & POSTER WINNERS ANNOUNCED
Bradley W. Kesser, MD

9:05 PRESIDENTIAL CITATIONS
Bradley W. Kesser, MD

9:15 2ND ANNUAL NOEL L. COHEN AWARD FOR SIGNIFICANT CONTRIBUTIONS TO OTOTOLOGY AND NEUROTOLOGY
Bradley W. Kesser, MD

9:20 INTRODUCTION OF HOUSE LECTURE
Bradley W. Kesser, MD

9:25 WILLIAM F. HOUSE MEMORIAL LECTURE
"Vestibular Diagnosis in a Pandemic: Return of the House Call"
David S. Zee, MD
Professor of Neurology
Joint Appointments in Ophthalmology, Otolaryngology, Head & Neck Surgery, and Neuroscience
The Wilmer Eye Institute
The Johns Hopkins School of Medicine, Baltimore, MD

9:55 DISCUSSION (5 min)

10:02 PANEL - "Pediatric Potpourri: Challenging Cases to Stump the Stars" (1 hour)
Robert C. O'Reilly, MD, Moderator

11:05 INTRODUCTION - COCHLEAR IMPLANTATION ABSTRACT PRESENTATIONS

11:06 Exploring Factors Responsible for Delay in Pediatric Cochlear Implantation
Jacquelyn K. DeVries, BS
Yin Ren, MD, PhD
Julie Purdy, PhD, CCC-A,
Daniela Carvalho, MD, MMM,
Elina Kari, MD

11:12 Outcomes in Patients Meeting Cochlear Implant Criteria in Noise but not in Quiet

Anthony Thai, BA

Emma Tran, BS

Austin Swanson, AuD

Matthew B. Fitzgerald, PhD

Nikolas H. Blevins, MD

Jennifer C. Alyono, MD

11:18 ANS TRAINEE AWARD

Zwitterionic Coating of Cochlear Implants Reduces Friction and Force of Insertion

Douglas M. Bennion, MD, PhD

Ryan Horne

Adreann Peele

C. Allan Guymon, PhD

Marlan R. Hansen, MD

11:25 NEUROTOLOGY FELLOW AWARD

The Impact of Age on Noise Sensitivity in Cochlear Implant Recipients

Matthew A. Shew, MD

Craig A. Buchman, MD

Dorina Kallogjeri, MD

Stephanie Chen, MD

Cameron C. Wick, MD

Nedim Durakovic, MD

Jacques A. Herzog, MD

CI532 Study Group

11:31 The Influence of Cochlear Implant Electrode Type and Position on Hearing Preservation

Elizabeth L. Perkins, MD

Matthew O'Malley, MD

Marc Bennett, MD

David S. Haynes, MD

Jack H. Noble, PhD

Robert F. Labadie, MD, PhD

René Gifford, PhD

11:37 Role of Pre-Implant Patient Expectations in Adult Cochlear Implant Outcomes

Theodore R. McRackan, MD, MSCR

Mark S. Costello, MD

Priyanka Reddy, BS

Judy R. Dubno, PhD

11:43 Time-to-Peak Speech Perception Score after Cochlear Implantation in Single-sided Deafness

Ashley M. Nassiri, MD, MBA

John P. Marinelli, MD

Katherine P. Wallerius, MD

Christine M. Lohse, MS

Colin L. W. Driscoll, MD

Brian A. Neff, MD

Aniket A. Saoji, PhD

Matthew L. Carlson, MD

11:49 Identification of Factors Associated with Second-Side Cochlear Implant Speech Recognition Outcomes in Adults

*James R. Dornhoffer, MD**

*Yuan F. Liu, MD**

Elise E. Zhao, BS

Elizabeth L. Camposeo, AuD

Ted A. Meyer, MD, PhD

Theodore R. McRackan, MD, MSCR

**Authors contributed equally to this work*

11:55 Characterizing Cochlear Implant Magnet-Related MRI Artifact and Visualization of Indicated Structures

Nathan D. Cass, MD

Douglas J. Totten, BA

Elizabeth L. Perkins, MD

John D. Ross, MD

Matthew R. O'Malley, MD

12:01 DISCUSSION (10 min)

12:11 LUNCH BREAK

1:00 INTRODUCTION, VESTIBULAR SCHWANNOMA ABSTRACT PRESENTATIONS

1:01 Natural History of Growing Vestibular Schwannomas During Observation: An International Multi-Institutional Study of 593 Growing Tumors

John P. Marinelli, MD

Matthew L. Carlson, MD

Jacob B. Hunter, MD

Ashley M. Nassiri, MD, MBA

Martin Reznitsky, MD

Sven-Eric Stangerup, MD, DMSc

Per Caye-Thomasen, MD, DMSc

1:07 Effect of AR42 on Tumor Growth and Hearing Loss In Vivo and on Primary Vestibular Schwannoma Cells

Carly Misztal, BS

Olena Bracho, BS

Michael Estivill, BS

Cristina Fernandez Valle, PhD

Fred Telischi, MD

Xue-Zhong Liu, MD, PhD

Christine T. Dinh, MD

1:13 Cost-effectiveness of Microsurgery, Radiosurgery, and Observation in the Management of Small and Medium-sized Sporadic Vestibular Schwannoma

Robert J. Macielak, MD

Viengneese Thao, PhD, MS

Bijan J. Borah, PhD

James P. Moriarty, MS

Jamie J. Van Gompel, MD

Matthew L. Carlson, MD

1:19 NEUROTOLOGY FELLOW AWARD

Complications after Surgical Salvage for Vestibular Schwannoma following Failed Stereotactic Radiosurgery

Alexander L. Luryi, MD

Seilesh Babu, MD

John F. Kveton, MD

Dennis I. Bojrab, MD

Elias M. Michaelides, MD

Christopher A. Schutt, MD

1:25 Delayed Facial Nerve Palsy following Resection of Vestibular Schwannoma: Clinical and Surgical Characteristics

Bridget MacDonald, BA

Yin Ren, MD, PhD

Bitu Shahrivini, BS

Kareem Tawfik, MD

Omid Moshtaghi, MD

*Marc Schwartz, MD**

*Rick Friedman, MD, PhD**

*(*Equal senior authorship)*

1:31 Subset of Intracanalicular Vestibular Schwannomas Demonstrate Minimal Growth over a 10 Year Period

Matthew J. Wu, BS

Renata M. Knoll, MD

Michael J. McKenna, MD

*Elliott D. Kozin, MD**

*David H. Jung, MD, PhD**

1:37 Evaluating the Impact of Frailty and Advanced Age on Morbidity following Vestibular Schwannoma Surgery

Alvin DeTorres, MD

Gentry Carter, BS

Alvin Kwok, MD, MPH

Christian Bowers, MD

Neil S. Patel, MD

Richard K. Gurgel, MD, MSCI

1:43 The Influence of Extent of Resection and Tumor Morphology on Facial Nerve Outcomes following Acoustic Neuroma Surgery

Elizabeth L. Perkins, MD

Nauman F. Manzoor, MD

Douglas J. Totten, BA

Alexander D. Sherry, MD

Matthew O'Malley, MD

Marc Bennett MD, MHCC

David S. Haynes, MD, MHCC

1:49 DISCUSSION (10 min)

2:02 PANEL - "Lessons Learned: Neurotology in the Covid-19 Pandemic" (1 hour)

Sarah E. Mowry, MD, Moderator

3:02 BREAK

3:15 INTRODUCTION OF HITSELBERGER LECTURER

Bradley W. Kesser, MD

3:16 WILLIAM E. HITSELBERGER MEMORIAL LECTURE

“Atorvastatin Is Associated with Reduced Cisplatin-Induced Hearing Loss in Patients with Head and Neck Cancer”

Lisa L. Cunningham, PhD

Senior Investigator

Laboratory of Hearing Biology and Therapeutics

National Institute on Deafness and Other Communication Disorders

National Institutes of Health, Bethesda, MD

3:41 DISCUSSION (5 min)

3:47 INTRODUCTION OF 2019 ANS RESEARCH GRANT RECIPIENT

3:48 ANS 2019 RESEARCH GRANT (8 min)

Targeting Epigenetic Modifying Enzymes for Hair Cell Regeneration

Dunia E. Abdul-Aziz, MD

Massachusetts Eye and Ear

4:00 INTRODUCTION OF ABSTRACT PRESENTATIONS – TINNITUS AND DIZZINESS

4:01 Diagnostic Yield and Utility of Radiographic Imaging in the Evaluation of Pulsatile Tinnitus: A Systematic Review

Austin C. Cao, BA

Caitlin Cavarocchi, BA

Tiffany P. Hwa, MD

Steven J. Eliades, MD PhD

Michael J. Ruckenstein, MD

Douglas C. Bigelow, MD

Jason A. Brant, MD

4:07 A Phase 1/2 Study of OTO-313 Given as a Single Intratympanic Injection in Patients with Moderate to Severe, Persistent Tinnitus

Jeffery J. Anderson, PhD

Kenneth S. Maxwell, MD (Presenter)

James M. Robinson, MS

Ines Hoffman, PhD

Gordon T. McMurry, MD

Grant D. Searchfield, PhD

David M. Baguley, PhD

4:13 Transtemporal Sigmoid Sinus Decompression: A Novel Surgical Procedure for the Treatment of Idiopathic Pulsatile Tinnitus

Patrick W. Slater, MD

Bailey H. Duhon, BS

Neha Korla, MDS

- 4:19 Supervised Machine Learning Models for Predicting Common Causes of Dizziness**
Eric J. Formeister, MD, MS
Jeffrey D. Sharon, MD
- 4:25 Head Roll-Tilt Subjective Visual Vertical Test in the Diagnosis of Persistent Postural-Perceptual Dizziness (PPPD)**
Chihiro Yagi, MD
Yuka Morita, MD, PhD
Meiko Kitazawa, MD
Kuniyuki Takahashi, MD, PhD
Yoshiro Wada, MD, PhD
Tadashi Kitahara, MD, PhD
Arata Horii, MD, PhD
- 4:31 ANS TRAINEE AWARD**
Intraoperative Electrocochleography Predicts Outcomes in Transmastoid and Middle Cranial Fossa SSCD Repair
Susan E. Ellsperman, MD
Steven A. Telian, MD
Paul R. Kileny, PhD
Christopher M. Welch, MD, PhD
- 4:37 DISCUSSION (10 min)**
- 4:47 Break**
- 5:00 INTRODUCTION OF ABSTRACT PRESENTATIONS – POTPOURRI**
- 5:01 Comparison of Outcomes of Surgical Repair of Spontaneous Temporal Bone CSF Leaks and Encephaloceles Using Bone Cement and Autologous Material**
Vir Patel, MD
Tiffany Peng Hwa, MD
Steven J. Eliades, MD, PhD
Jason A. Brant, MD
Douglas C. Bigelow, MD
Michael J. Ruckenstein, MD
- 5:07 Perineural Invasion of the Intratemporal Facial Nerve: How Far Proximally Do We Chase the Positive Margin?**
Joshua Cody Page, MD
Marc-Elie Nader, MD, FRCSC
Diana Bell, MD
Paul W. Gidley, MD
- 5:13 The Laterality of Early Age-Related Hearing Loss and Brain β^2 -Amyloid**
Alexandria L. Irace, BA
Brady Q. Rippon, MS
Adam M. Brickman, PhD
José A. Luchsinger, MD, MPH
Justin S. Golub, MD, MS

- 5:19 NICHOLAS TOROK VESTIBULAR AWARD**
Higher Readmission Rates after Hip Fracture among Patients with Vestibular Disorders
Steven D. Curry, MD, MPH
Alessandro Carotenuto, MD
Devin A. DeLuna, BS
Dennis J. Maar II, BA
Ye Huang, BA
Justin C. Siebler, MD
Jonathan L. Hatch, MD
- 5:25 Diameter-Based Volumetric Models May Inaccurately Calculate Jugular Paraganglioma Volume following Sub-Total Resection**
Douglas J. Totten, BA
Nauman F. Manzoor MD
Elizabeth L. Perkins MD
Nathan D. Cass MD,
Mohamed H. Khattab MD
David S. Haynes MD MMHC
Joseph M. Aulino MD
- 5:31 Opioid and Non-Opioid Usage in the Post-operative Period following Otologic Surgery**
Neal Rajan Godse, MD
Rahilla A. Tarfa, PhD
Philip Perez, MD
Barry E. Hirsch, MD
Andrew A. McCall, MD
- 5:37 Opioid Prescribing Patterns after Skull Base Surgery for Vestibular Schwannoma**
Yin Ren, MD, PhD
Pasha Mehranpour, BS
Omid Moshtaghi, MD
Marc S. Schwartz, MD
Rick A. Friedman, MD, PhD
- 5:43 DISCUSSION (10 min)**
- 5:55 PANEL - “Hearing Loss and Dementia: Separating Fact from Fiction” (45 min)**
Justin S. Golub, MD, Moderator
- 6:40 INTRODUCTION OF INCOMING ANS PRESIDENT - Craig A. Buchman, MD**
Bradley W. Kesser, MD
- 6:42 CLOSING REMARKS**
Bradley W. Kesser, MD
- 6:45 ADJOURN**