



PROGRAM and ABSTRACTS

of the

***One Hundred Forty-Fifth
Annual Meeting***

**AMERICAN OTOLOGICAL
SOCIETY, INC.**

April 21-22, 2012

**Elizabeth Ballroom
DE**

**Manchester Grand Hyatt
San Diego, CA**

OFFICERS
JULY 1, 2011—JUNE 30, 2012

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University of Colorado
Aurora, CO

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Duke University Medical Center
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C. Phillip Daspit, M.D.
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D. Bradley Welling, M.D., Ph.D.

Accreditation Statement: The American Otological Society is accredited under the entity *the AOS/ANS Joint Council* as a provider for continuing medical education for physicians by the Accreditation Council for Continuing Medical Education (ACCME).

Credit Statement:

The AOS/ANS Joint Council designates this educational activity for a maximum of 8 *AMA PRA Category 1 Credit (s)*[™]. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Certificate of Attendance will be issued at the close of the meeting upon completion of the questionnaire required by us for the certifying organizations.

The AOS/ANS JOINT COUNCIL MISSION

Organizational Structure: *The AOS/ANS Joint Council* is the organizational entity that oversees the Continuing Medical Education activities of two sister societies, the American Neurotology Society and the American Otological Society. *The AOS/ANS Joint Council* reflects the complementary and collaborative missions of these two societies in their commitment to improving the science, knowledge and care of patients with otologic, neurotologic and skull base disorders.

The AOS/ANS Joint Council provides strategic direction and oversight for the *Otology & Neurotology Journal* and fosters collaboration and cross-pollination of research, advances and approaches to care that reflect the ACGME/ABMS competencies. The formalization of the long-standing collaboration between the AOS and ANS reflects our commitment to the challenges identified in recent Institute of Medicine recommendations focused on a commitment to collaborative and team based care.

Purpose: *The AOS/ANS Joint Council* provides strategic direction and oversight for the common interests, values and priorities in otology and neurotology. This Council is designed to maximize the expertise from both sister societies, create opportunities for educational cross-pollination, enhanced dialogue and advancement in the science and standards of care for patients with otology and neurotology conditions and move this field toward collaborative and seamless team based education and care. *The AOS/ANS Joint Council* oversees the Corporation named *Otology & Neurotology, Inc.* The objective of this Corporation is to publish scientific advancements in the field of medicine with the purpose of promoting and advancing the profession through this educational endeavor. The primary vehicle for this objective is a publication entitled "*Otology & Neurotology*".

The AOS/ANS Joint Council is dedicated to improving public health care through the development, dialogue and dissemination of advances in evidence-based diagnosis and management of otologic, neurotologic and related skull base disorders. The focus on the scientific advances in these combined fields is translated into approaches to quality care that are consistent with ACGME/ABMS general competency areas and the Institute of Medicine recommendations.

Target Audience: The primary target audience that are served through *the AOS/ANS Joint Council* include members of both the American Otological Society and the American Neurotology Society as well as healthcare professionals in the fields of otology, otolaryngology neurotology and skull base research and healthcare. The members served include physicians, otologists, neurotologists, residents, fellows, researchers, nurses, occupational and speech therapists and other healthcare professionals who are involved in the care of patients with otologic and neurotologic conditions.

Activities: The educational activities under the auspices of *the AOS/ANS Joint Council* will continue to utilize the existing and well-respected live conference/annual meeting formats that are currently provided through the ANS and AOS. Since many of the members of these societies are members of both groups, *the AOS/ANS Joint Council* plans to explore new strategies to develop educational activities that can maximize the benefits of this collaboration and leverage the science, evidence and standards of care in both otology and neurotology to the benefit of the patients with these conditions. The *Otology & Neurotology Journal* provides an additional vehicle for further collaboration and dissemination of new information, science and standards of care.

Content: The content areas of otology and neurotology will continue to serve as the primary educational focus for the CME program under the auspices of *the ANS/AOS Joint Council*. The educational efforts will also highlight the ACGME/ABMS general competencies within the context of this field and relate the significance of communication, professionalism, patient safety and systems-based practice within these workplace environments.

Expected Results: The expected outcomes from these live educational activities are received through multiple sources including immediate post conference evaluations, AOS/ANS leadership and membership feedback, and commitment to change reporting. The other expected outcome from this CME program is continued development of new evidence-based science, dissemination of ongoing research in the clinical areas of otology and neurotology.

2012 AOS Spring Meeting CME Activity Planning

Each Attendee of the AOS 2011 Spring Meeting was asked to complete an evaluation at the close of the scientific program. Respondents provided extensive feedback on what they learned from the Program as well as what they would like to see addressed at an upcoming AOS CME activity. Responses were collected and summarized from 204 attendees.

Based on the response, the following data regarding professional practice gap among attendees was noted:

- Inconsistent diagnosis and treatment of vestibular disorders, specifically, tinnitus and Meniere's disease.
- Under-utilization of improved diagnostic strategies for patients with vestibular dysfunction.
- Inconsistent awareness or ability to implement strategies for improving conductive hearing loss with the long term goal of expanding opportunities for research, diagnosis, and treatment options.
- The lack of awareness/knowledge as to expected results and limitations of cochlear implants.

IDENTIFICATION OF PROFESSIONAL PRACTICE GAPS

Professional practice gaps are the variations or differences in the practice patterns when compared to current evidence, standards of care or clinical guidelines that are designed to provide quality of care to patients. Authors were asked to describe how to translate identified professional practice gaps into educational needs; how the need is expressed in terms of knowledge, competence, performance and patient outcome; what should the learners be able to apply to their profession after they participate in the educational activity; list the desired results in terms of changes in physician knowledge, competence, performance and/or patient outcome.

The following competency areas will be addressed through this CME activity/scientific session.

1. **Patient Care** that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health.
2. **Medical Knowledge** about established and evolving biomedical, clinical, and cognate (e.g. epidemiological and social-behavioral) sciences and the application of this knowledge to patient care.
3. **Practice-Based Learning and Improvement** that involves investigation and evaluation of their own patient care, appraisal and assimilation of scientific evidence, and improvements in patient care.
4. **Interpersonal and Communication Skills** that result in effective information exchange and teaming with patients, their families, and other health professionals.
5. **Professionalism** as manifested through a commitment to carrying out professional responsibilities, adherence to ethical principles, and sensitivity to a diverse patient population.
6. **Systems-Based Practice** as manifested by actions that demonstrate an awareness of and responsiveness to the larger context and system of health care and the ability to effectively call on system resources to provide care that is of optimal value.

Goals & Objectives

The overall goal of this course is to provide up-to-date information that focuses on the advancement of the scientific and clinical evidence that supports advances in otologic and neurotologic care to patients. The **target audiences** are physicians, otologists, residents, fellows, and researchers in the fields of otology and neurotology, as well as nurses, occupational and speech therapists, audiologists, and other healthcare professionals with specific interests in otologic and neurotologic disorders.

Learning Objectives:

- 1) A complete overview of the development of vestibular testing and our future needs by an expert that developed many of the tests.
- 2) A complete overview of the pathophysiological basis of tinnitus and various rationales for treatment by an international tinnitus expert.
- 3) A view into the future with cochlear implantation in at risk populations by a panel of implant experts.
- 4) A complete overview of the long-term outcomes of semicircular canal dehiscence surgery from a well established expert's experience.

Desired Results:

- 1) The attendees will be able to utilize the significant clinical and research experience in vestibular testing presented by the Guest of Honor. This will allow a physician to determine the current indications, procedures and expected results in vestibular testing.
- 2) The attendees will be able to utilize the significant clinical and research experience in the pathophysiology of tinnitus, presented by the basic sciences lecturer. This will allow a physician to develop a rationale for appropriate treatment in patients with tinnitus.
- 3) The attendees will gain insight into future expansion of cochlear implants in at risk populations. This will allow a physician to discuss implantation with patients and family in such groups as Alzheimer's disease and autism.
- 4) The attendees will gain more extensive knowledge in the outcomes of surgery for superior semicircular canal dehiscence, improving their selection of appropriate candidates.

***** American Otological Society, Inc.*****

All authors, presenters, panelists, guest lecturers, AOS Council members, and Program Advisory Committee members, administrative staff and any other contributing individuals who may be in a position to control content of a CME activity were required to complete a Disclosure/Conflict of Interest/Attestation declaration prior to consideration for presentation or appointment to a CME planning committee. All potential conflicts of interest were resolved by members of the AOS Council prior to this CME activity taking place. (See page 4 for complete AOS Disclosure Statement and Resolution of Conflict process)

Position Statement: Any presentations, conversations, exhibits, or other meeting communications, including description of the use of drugs or devices, does not imply nor constitute endorsement of any company, product, application or use by the American Otological Society.

All Authors/Presenters are required to comply with the following Disclosure Statement prior to submitting their paper to the American Otological Society. All authors/presenters were advised that the submitted paper becomes the property of *Otology & Neurotology* and cannot be reprinted without permission of the Journal.

FULL DISCLOSURE POLICY STATEMENT

In accordance with the ACCME Essential Areas and Policies, it is the policy of the American Otological Society and *The AOS/ANS Joint Council*, as the ACCME Accredited CME provider, to ensure balance, independence, objectivity and scientific rigor in all of its educational activities. **All authors, panelists, guest lecturers, CME and Program committee members, moderators, administrative staff and any other contributing individuals who may be in a position to control content of a CME activity are responsible for disclosing any potential conflict of interest or any significant financial or other relationships with the manufacturer(s) of any commercial product(s) or provider (s) of any commercial service(s) discussed in an educational presentation.** The purpose of this form is to identify and resolve all potential conflicts of interests that arise from financial relationships with any commercial or proprietary entity that produces healthcare-related products and/or services relevant to the content you are planning, developing, or presenting for this activity. This includes any financial relationships within the last twelve months, as well as known financial relationships of your spouse or partner.

To further ensure there is no relevant conflict of interest, members of the AOS Council, the Program Advisory Committee, *The AOS/ANS Joint Council* and/or Program moderators will review manuscripts three weeks prior to the CME activity to identify, address, and resolve any potential conflict of interest. In the event a relevant conflict of interest is noted, one or more of the following actions will be initiated. The presenter will be contacted and asked for clarification or additional information; the presenter will refrain from making recommendations regarding products or services and limit presentation to current evidence/science/research; or an alternate speaker will be chosen in which no conflict of interest is disclosed. The intent of this policy is not to discourage speakers who have relationships with commercial entities from presenting, but to identify these relationships to the listeners so that they may form their own judgments. **Failure to disclose this information on submission forms, or failure to return this disclosure form will result in exclusion from this activity and from future CME activities for up to two years.** The American Otological Society is committed to the non-promotional advancement of knowledge and science and to a free exchange of medical education in otology and neurotology.

PUBLICATION STATEMENT

The material in this abstract, (Name of Abstract), has not been submitted for publication, published, nor presented previously at another national or international meeting and is not under any consideration for presentation at another national or international meeting including another COSM society. The penalty for duplicate presentation/publication is prohibition of the author and co-authors from presenting at a COSM society meeting for a period of three years.

Submitting Author's Signature (required)

*****FACULTY DISCLOSURES*****

American Otological Society Council

Herman A. Jenkins, MD – Advanced Bionics Advisory Panel—Middle Ear Devices

Paul R. Lambert, MD – Otonomy - Clinical Trial; Investigator and Consultant - Meniere's Disease

Steven A. Telian, MD – Cochlear Americas (no activity in over 2 yrs) Cochlear Implants

Debara L. Tucci, MD – No Disclosures

Bruce J. Gantz, MD – Advanced Bionics - Consultant, Cochlear Implants; Cochlear Corp - Consultant, Cochlear Implants

C. Phillip Daspit, MD – No Disclosures

John W. House, MD – No Disclosures

D. Bradley Welling, MD, PhD – No Disclosures

Administrators:

Shirley Gossard –No Disclosures

Kristen Bordignon –No Disclosures

2012 Program Advisory Committee

Paul R. Lambert, MD – Otonomy - Clinical Trial; Investigator and Consultant - Meniere's Disease

Herman A. Jenkins, MD - Advanced Bionics Corp—Middle Ear Active Devices

D. Bradley Welling, MD - No Disclosures

Cliff A. Megerian, MD - Cochlear Corp Surgeon's Advisory Board, Cochlear Implants; Grace Corp Surgeon's Advisory Board Middle Ear Implants; Quark Pharmaceuticals Consultant - Inner Ear Drugs

Charles C. Della Santina, MD - Cochlear Corp Surgical Advisory Committee, Cochlear Implants; Med El Codr Surgical Advisory Committee, Cochlear Implants; Labyrinth Dences UC Ownership Interest, Vestibular Prosthesis; Novartis; Glaxo Consultant, Pharmaceuticals

Brenda Lonsbury-Martin, PhD - No Disclosures

P. Ashley Wackym, MD - No Disclosures

Jay T. Rubinstein, MD - Advanced Bionics Corp - Consultant, Research Funding; Cochlear, Ltd. - Consultant, Research Funding

Lawrence R. Lustig, MD - Advanced Bionics Corp - Medical Advisory Board, Cochlear Implants; Med El Surgical Advisory Board, Cochlear Implants

Carol A. Bauer, MD - No Disclosures

Craig A. Buchman, MD - Advanced Bionics Advisory Board; Med El Corp. Advisory Board; Cochlear Corp. Advisory Board

Primary Authors/Contributing Authors were informed and required to comply with the following prior to submitting their abstract:

1. Disclose financial relationships with a commercial entity producing health-care related products and/or services.
2. Authors were informed a member of the AOS Program Advisory Committee and *The AOS/ANS Joint Council*, as the ACCME Accredited CME provider, would review the content of the presentation prior to the CME activity taking place; Primary author would provide educational content and resources in advance as requested. (if applicable)
3. If Author/Presenter has been trained or utilized by a commercial entity or its agent as a speaker (e.g., speaker's bureau) for any commercial interest, the promotional aspects of that presentation will not be included in any way with this activity.

4. If discussing any product use that is off label, Author/Presenter required to disclose that the use or indication in question is not currently approved by the FDA for labeling or advertising.

5. If discussing specific healthcare products or services, will use generic names to the extent possible. If need to use trade names, will use trade names from several companies when available, not just trade names from any single company.

6. If providing recommendations involving clinical medicine, they will be based on evidence that is accepted within the profession of medicine as adequate justification for their indications and contraindications in the care of patients. All scientific research referred to, reported or used in CME in support of justification of a patient care recommendation will conform to the generally accepted standards of experimental design, data collection and analysis.

7. If presenting research funded by a commercial company, the information presented will be based on generally accepted scientific principles and methods, and will not promote the commercial interest of the funding company.

*****Disclosures—Oral Presentations ***
Saturday April 21, 2012, Scientific Session
Oral Presentations: Authors/Presenters
& Panel Participants
(listed in order of presentation)**

1:10

Guest of Honor

The following individual has nothing to disclose

Vicente Honrubia, MD

1:25

The following individuals have nothing to disclose

Guangwei Zhou, MD, ScD

Dennis Poe, MD

Quinton Gopen, MD

1:34

The following individuals have nothing to disclose

M. Geraldine Zuniga, MD

Roni E. Dinkes, AuD

John P. Carey, MD

Michael C. Schubert, PT, PhD

Jeremy Walston, MD

Yuri Agrawal, MD

1:43

The following individuals have nothing to disclose

Bryan K. Ward, MD

Yuri Agrawal, MD

Charles C. Della Santina, MD, PhD

Charles J. Limb, MD

Lloyd B. Minor, MD

John P. Carey, MD

*****Disclosures—Oral Presentations***
Saturday April 21, 2012, Scientific Session (Cont)**

1:52

The following individuals have nothing to disclose

Audrey P. Calzada, MD

Ivan A. Lopez, PhD

David Elashoff, PhD

Gail Ishiyama, MD

Akira Ishiyama, MD

2:01

The following individuals have nothing to disclose

Clarice S. Clemmens, MD

Michael J. Ruckenstein, MD, MS

2:15

Basic Science Lecture

The following individual has nothing to disclose

Carol A. Bauer, MD

3:15

The following individual disclose

Richard A. Chole, MD, PhD - Ownership CheckSite Medical,
Inc. Surgical safety systems

The following individuals have nothing to disclose

Joseph Zenga, MD

Patricia M. Gagnon, MS

Joseph Vogel, PhD

3:24

The following individuals have nothing to disclose

Saad A. Alsaleh, MD

Brian W. Blakley, MD, PhD

Zameel A. Dewji, MD

Kaiser A. Qureshy, MD

Sylvie T. Berard, AuD

Ling Xie, RA

3:33

The following individuals have nothing to disclose

Yukiko Iino, MD, PhD

Hiromi Kanazawa, MD

Akihiro Shinnabe, MD

Naohiro Yoshida, MD, PhD

3:42

The following individual disclose

Adrien A. Eshraghi, MD - MedEl Corp - Research Support

The following individuals have nothing to disclose

Guyan A. Channer, MD

Esperanza Bas, PhD

Fred F. Telischi, MEE, MD

Chhavi Gupta, PhD

John T. Dihn, BS

Ly Vu, BS

Thomas R. Van De Water, PhD

3:51

The following individual disclose

M. Jennifer Derebery, MD - Sonitus Medical Corp. Consultant
Board of Directors; Science Advisory Board -
Stockholder

The following individuals have nothing to disclose

Andrew Vermiglio, PhD

Maria Vargas, AuD

Marilee Potthoff

4:05

The following individuals have nothing to disclose

Georgios Stamatiou, MD

Konstantina M. Stankovic, MD, PhD

4:14

The following individuals have nothing to disclose

Theodore R. McRackan, MD

Fitsum A. Reda, MS

Jack H. Noble, PhD

Alejandro Rivas, MD

Benoit M. Davant, PhD

Robert F. Labadie, MD, PhD

4:23

The following individuals have nothing to disclose

C. Eduardo Corrales, MD

Richard K. Gurgel, MD

Robert K. Jackler, MD

4:32

The following individuals have nothing to disclose

Charles A. Mangham Jr., MD, MS

A. Davis Mangham

4:41

The following individuals have nothing to disclose

Maggie A. Kuhn, MD

David R. Friedmann, MD

Leon S. Winata, BS

Jan Eubig, MD

Bidyut K. Pramanik, MD

John Kveton, MD

Darius Kohan, MD

Saumil N. Merchant, MD

Anil K. Lalwani, MD

*****Disclosures—Oral Presentations***
Sunday, April 22, 2012, Scientific Session**

7:30

The following individuals have nothing to disclose

Michael B. Gluth, MD

John L. Dornhoffer, MD

7:39

The following individuals disclose

Erdem Yavuz - Intelligent Hearing Systems - Employee

Rafael E. Delgado - Intelligent Hearing Systems - Director and
Stock Owner and Co Owner & Employee

The following individuals have nothing to disclose

Krzysztof Morawski

Kazimierz Niemczyk

Aleksandra Hryciuk

Fred F. Telischi, MD

7:48

The following individuals have nothing to disclose

Lauren A. Kilpatrick, MD

Fu-Shing Lee, PhD

Paul R. Lambert, MD

7:57

The following individuals have nothing to disclose

Michael B. Gluth, MD

John L. Dornhoffer, MD

Aaron M. Metraile, MD

8:06

The following individual disclose

Bradley W. Kesser, MD - Nasco, Inc. Dr Kesser receives
royalties for a simulator he patented. This is unrelated
to the content of this abstract/presentation.

The following individuals have nothing to disclose

Brian D. Nicholas, MD

Kaelyn Krook, BS

Lincoln Gray, PhD

8:15

The following individual disclose

Michael Hoa, MD- One-time consultant to Cochlear
Corporation

The following individuals have nothing to disclose

John W. House, MD

Fred H. Linthicum, Jr., MD

*****Disclosures—Oral Presentations***
Sunday, April 22, 2012, Scientific Session (Cont)**

8:29

The following individuals have nothing to disclose

Ashkan Monfared, MD
Gerald Mitterramskogler, MS
Simon Gruber, Ms
Kenneth Salisbury, PhD
Juergen Stampfl, PhD
Nikolas H. Blevins, MD

8:38

The following individuals have nothing to disclose

Hossein Mahboubi, MD MPH
Peyton Paulick, MS
Saman Kiumehr, MD
Mark Merlo, PhD
Mark Bachman, PhD
Hamid R. Djalilian, MD

8:47

The following individuals disclose

J. Thomas Roland, Jr., MD - Member of surgical advisory
board for Cochlear Corp. and Advanced Bionics

The following individuals have nothing to disclose

Maura K. Cosetti, MD
David R. Friedmann, MD
Selena E. Heman-Ackah, MD, MBA
David Drimmer, BS
Susan B. Waltzman, PhD

8:56

The following individuals have nothing to disclose

David A. Gudis, MD
Douglas C. Bigelow, MD
Michael J. Ruckenstein, MD

9:05

The following individual disclose

Clough Shelton, MD - Cochlear Corp- Research Grant for
percutaneous implants to study speech processing
strategies

The following individual has nothing to disclose

Frank M. Warren, MD

*****Disclosures—Oral Presentations***
Sunday, April 22, 2012, Scientific Session (Cont)**

9:14

The following individuals disclose

Peter S. Roland, MD - Alcon Labs (speaker, consultant, honorarium), MedEl Corporation (advisory board, consultant, honorarium), Advanced Bionics (advisory board, consultant, honorarium), Cochlear Corporation (advisory board, consultant, honorarium), and GlaxoSmithKline (speaker, honorarium)

Brandon Isaacson, MD - Corresponding Author Medtronic Midas Rex Institute (consultant, course instructor)

The following individuals have nothing to disclose

Evan Walgama, MD

J. Walter Kutz, Jr., MD

9:58

The following individuals disclose

Oliver F. Adunka, MD - Receive research support from:
Advanced Bionics Corp, Med-EL Corp Cochlear Inc.

Douglas C. Fitzpatrick, PhD - Receive research support from:
Advanced Bionics Corp, Med-EL Corp Cochlear Inc.

The following individuals have nothing to disclose

John M. Pike, BS

Baishakhi Choudhury, MD

Omar Awan, BS

Kristine Faulk, BS

10:07

The following individuals have nothing to disclose

David Bakhos, MD

S. Roux

E. Lescanne, MD, PhD

F. Bonnet-Brilhaut, MD, PhD

N. Bruneau, PhD

10:16

The following individuals have nothing to disclose

Stanley Pelosi, MD

Alejandro Rivas, MD

David Haynes, MD

Marc L. Bennett, MD

Robert F. Labadie, MD, PhD

Linda Hood, PhD

Andrea Hedley-Williams, AuD

George B. Wanna, MD

10:25

The following individuals have nothing to disclose

Ricardo F. Bento, MD, PhD

Maria Valeria S.G. Gomez, PhD

Rubens V.B. Neto, MD, PhD

Robinson Koji Tsuji, MD, PhD

Anna Carolina O. Fonseca, MD

Liliane S. Ikari, MD

*****Disclosures—Oral Presentations***
Sunday, April 22, 2012, Scientific Session (Cont)**

10:34

The following individuals have nothing to disclose

Jack H. Noble, PhD
Benoit M. Dawant, PhD
Rene H. Gifford, PhD,
Robert F. Labadie, MD, PhD

10:43

The following individuals disclose: Hold intellectual property rights to the device being studied.

Leo Ling, PhD
Steven M. Bierer, PhD
Kaibao Nie, PhD
James O. Phillips, PhD
Jay T. Rubinstein, MD, PhD - A paid consultant and has received research funding from Cochlear, Ltd, the manufacturer of the device and holds intellectual property rights to the device being studied.

The following individual have nothing to disclose

Justin S. Golub, MD

11:00

The following individuals disclose

J. Thomas Roland, Jr., MD - Member of the surgical advisory board for Cochlear Corporation and Advanced Bionics
Mario Svirsky, PhD - Cochlear Americas, Research Support; Advanced Bionics, Research Support
Nancy Young, MD - Cochlear Americas, Medical Advisory Board; Advanced Bionics, Medical Advisory Board

The following individuals have nothing to disclose

Daniel M. Zeitler, MD
Larry Humes, PhD

The Accreditation Council for Continuing Medical Education (ACCME) requires that all presenters, contributing authors, guest speakers, Program committee members, & Council members involved in planning and implementing CME activities disclose all financial relationships with commercial interests. All authors have complied with the above. Any potential conflicts of interest were resolved to the satisfaction of the AOS Council, the AOS Program Advisory Committee, the AOS/ANS Joint Council and a select group of non-conflicted peers prior to this CME activity taking place.

2012 Program Advisory Committee

Carol A. Bauer, MD
Craig A. Buchman, MD
Charles Della Santina, MD, PhD
Paul R. Lambert, MD
Brenda Lonsbury-Martin, PhD
Lawrence R. Lustig, MD
Cliff A. Megerian, MD
Jay T. Rubinstein, MD
P. Ashley Wackym, MD
D. Bradley Welling, MD, PhD

146th AOS Annual Spring Meeting
April 13-14, 2013
J. W. Marriott Grande Lakes
Orlando, FL

Abstract Deadline: October 15, 2012

Abstract Instructions and submission form will be available on website after July 1, 2012

Website—www.americanotologicalsociety.org

All primary and contributing authors are required to sign a disclosure/conflict of interest document at time of abstract submission in order for the abstract to be considered by the Program Advisory Committee

Journal Requirements/Instructions to Authors/Presenters

The journal of *OTOLOGY & NEUROTOLOGY* no longer accepts paper manuscripts. All manuscripts must be submitted online **three weeks** prior to the annual meeting, via the journal's website: <https://www.editorialmanager.com/on/> Instructions for registering, submitting a manuscript, and the author guidelines can all be found on the Editorial Manager site: <https://www.editorialmanager.com/on/>.

One copy of the manuscript (.pdf format) is to be submitted electronically to the AOS Administrative Office a **minimum of three weeks** prior to the Annual Meeting for content and conflict of interest review and resolution.

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Important please note
the following change
Effective July 1, 2012

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Saturday, April 21, 2012

12:30 Business Meeting (*Restricted to Members*)
Room: *Elizabeth Ballroom DE*

Minutes of the Annual Meeting 2011

Introduction of New Members

Election of Nominating Committee

Report of the Secretary-Treasurer

Report of the Editor-Librarian

1:00 Scientific Program
(*Open to Registered Members & Non-Members-
Badge required for admission*)
Room: *Elizabeth Ballroom DE*

1:00 Remarks by the President
Herman A. Jenkins, MD

Presidential Citations –
Carol A. Bauer, MD
Rinaldo F. Canalis, MD
Newton J. Coker, MD
Brenda Lonsbury-Martin, PhD
Shirley Gossard

Guest of Honor
Vicente Honrubia, MD

1:10 Vestibular Testing, after 50 Years Still a Challenge
Vicente Honrubia, MD

Moderators: *Herman A Jenkins, MD*
Paul R. Lambert, MD

**1:25 Clinical Utility of Vestibular Evoked Myogenic
Potentials in the Evaluation of Patients with
Air-Bone Gaps**
Guangwei Zhou, MD, ScD
Dennis Poe, MD
Quinton Gopen, MD

**1:34 Association between Hearing Loss and Saccular
Dysfunction in Older Individuals**
M. Geraldine Zuniga, MD
Roni E. Dinkes, AuD
John P. Carey, MD
Michael C. Schubert, PT, PhD
Jeremy Walston, MD
Yuri Agrawal, MD

- 1:43 Long-term Hearing Outcomes Following Surgical Plugging of the Superior Semicircular Canal by Middle Fossa Approach**
Bryan K. Ward, MD
Yuri Agrawal, MD
Charles C. Della Santina, MD, PhD
Charles J. Limb, MD
Lloyd B. Minor, MD
John P. Carey, MD
- 1:52 Otolithic Membrane Damage in Patients with Endolymphatic Hydrops and Drop Attacks**
Audrey P. Calzada, MD
Ivan A. Lopez, PhD
David Elashoff, PhD
Gail Ishiyama, MD
Akira Ishiyama, MD
- 2:01 Characteristics of Patients with Unilateral and Bilateral Meniere's Disease: Implications as to Etiology**
Clarice S. Clemmens, MD
Michael J. Ruckenstein, MD, MS
- 2:10 DISCUSSION**
- 2:15 Basic Science Lecture: Neuroscience of Tinnitus - Implications for Treatment**
Carol A. Bauer, MD
- 2:40 DISCUSSION**
- 2:45 BREAK WITH EXHIBITORS**
- 3:15 Biofilm Formation by Otopathogenic Strains of *Ps. aeruginosa* is not Consistently Inhibited by EDTA**
Richard A. Chole, MD, PhD
Joseph Zenga, MD
Patricia M. Gagnon, MS
Joseph Vogel, PhD
- 3:24 Steroids in Aminoglycoside-Containing Ear Drops: Do they Reduce Cochlear Toxicity?**
Saad A. Alsaleh, MD
Brian W. Blakley, MD, PhD
Zameel A. Dewji, MD
Kaiser A. Qureshy, MD
Sylvie T. Berard, AuD
Ling Xie, RA

- 3:33 Anti-Ige Therapy for Eosinophilic Otitis Media**
Yukiko Iino, MD, PhD
Hiromi Kanazawa, MD
Akihiro Shinnabe, MD
Naohiro Yoshida, MD, PhD
- 3:42 Mannitol Protects Auditory Hair Cells against Tumour Necrosis Factor Alpha (TNF α)-Induced Loss**
Guyan A. Channer, MD
Esperanza Bas, PhD
Fred F. Telischi, MEE, MD
Chhavi Gupta, PhD
John T. Dihn, BS
Ly Vu, BS
Adrien A. Eshraghi, MD
Thomas R. Van De Water, PhD
- 3:51 Pre and Post-concert Assessment of Hearing Loss in Teenagers**
M. Jennifer Derebery, MD
Andrew Vermiglio, PhD
Maria Vargas, AuD
Marilee Potthoff
- 4:00 DISCUSSION**
- 4:05 Molecular Pathway Analysis of Genetic Hearing Loss**
Georgios Stamatiou, MD
Konstantina M. Stankovic, MD, PhD
- 4:14 Intratemporal Facial Nerve Variability: Implications for Otologic Surgery**
Theodore R. McRackan, MD
Fitsum A. Reda, MS
Jack H. Noble, PhD
Alejandro Rivas, MD
Benoit M. Davant, PhD
Robert F. Labadie, MD, PhD
- 4:23 Rehabilitation of Central Facial Paralysis with Hypoglossal-Facial Anastomosis**
C. Eduardo Corrales, MD
Richard K. Gurgel, MD
Robert K. Jackler, MD
- 4:32 Zinc and Ginkgo Biloba as Placebo Interventions Reduce Tinnitus in Selected Patients**
Charles A. Mangham Jr., MD, MS
A. Davis Mangham

4:41 Large Jugular Bulb Abnormalities Involving the Middle Ear

Maggie A. Kuhn, MD

David R. Friedmann, MD

Leon S. Winata, BS

Jan Eubig, MD

Bidyut K. Pramanik, MD

John Kveton, MD

Darius Kohan, MD

Saumil N. Merchant, MD

Anil K. Lalwani, MD

4:50 DISCUSSION

5:00 ADJOURN

5:10 Group Photograph (AOS Members)

Location to be announced

6:30 AOS President's Reception and Banquet

Randle Ballroom DE

(Members and Invited Guests Only)