



PROGRAM
of the

*One Hundred Twenty-Seventh
Annual Meeting*

**AMERICAN
OTOLOGICAL SOCIETY, INC.**

May 7-8

1994

**The Breakers Hotel
Palm Beach, Florida**

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JULY 1, 1993 - JUNE 30, 1994

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The American Otological Society is accredited by the Accreditation Council for Continuing Medical Education to sponsor continuing medical education for physicians.

This Continuing Medical Education offering meets the criteria for eight (8) credit hours in Category One (1) of the Physician's Recognition Award of the American Medical Association

SATURDAY, MAY 7, 1994

REGISTRATION - 7:00 AM

BUSINESS MEETING - 12:30 PM

Minutes of the previous annual meeting

Introduction of New Members

Election of Nominating Committee

Report of the Secretary-Treasurer

Report of the Editor-Librarian

SCIENTIFIC PROGRAM - 1:00 PM

(Open to Non-Members)

Remarks by the President

Robert I. Kohut, M.D.

Remarks by the Guest of Honor

Cesar Fernandez, M.D.

Presidential Citation

James B. Snow, M.D.

C. Gary Jackson, M.D.

CHRONIC EAR DISEASE

1. 1:25 PM Antimicrobial Activity of Silver Oxide Impregnated Silicone Elastomer Tympanostomy Tubes: A Randomized Multicenter Trial
Richard A. Chole, M.D., Ph.D.*
2. 1:34 PM Tympanic Membranae Perforation in Children With Short-Term and Long-Term Tubes
Richard M. Bass, M.D.* *(by invitation)*
Faloon, Kathleen M.S.

NOTES

3. 1:43 PM Acoustical Aspects of Type IV and V Tympanoplasty
Saumil N. Merchant, M.D.*
(by invitation)
John J. Rosowski, Ph.D. *(by invitation)*
Michael E. Ravicz, M.S. *(by invitation)*
William T. Peake, Ph.D. *(by invitation)*

4. 1:52 PM Cartilage Shield Reconstruction of Remnant Tympanic Membranes
Larry G. Duckert, M.D., Ph.D.*
Joachim Muller, M.D. *(by invitation)*
Kathleen H. Makielski, M.D.
(by invitation)
Jan Helms, M.D. *(by invitation)*

5. 2:01 PM The Sinus Tympani: Anatomical Considerations, CT Imaging and a Discussion of the Retrofacial Approach for Removal of Disease
Bradley P. Pickett, M.D.* *(by invitation)*
Paul R. Lambert, M.D. *(by invitation)*
Wayne S. Cail, M.D. *(by invitation)*

6. 2:10 PM Ossiculoplasty Using the Black Hydroxylapatite Hybrid Ossicular Replacement Prosthesis
John D. Macias, M.D.* *(by invitation)*
Michael E. Glasscock, III, M.D.
Mark H. Widick, M.D. *(by invitation)*
David G. Schall, M.D. *(by invitation)*

7. 2:19 PM Biomechanical Assessment of a New Adhesive Bone Cement for Otologic Surgery
John W. Werning, M.D., D.M.D.*
(by invitation)
Anthony J. Maniglia, M.D.
James M. Anderson, M.D., Ph.D.
(by invitation)
Wen H. Ko, Ph.D. *(by invitation)*

***Speaker**

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8. 2:28 PM Chronic Otitis Media and Sensorineural Hearing Loss
Paul R. Lambert, M.D.
J. Pieter Noordzig, M.D.* *(by invitation)*
Edward E. Dodson, M.D. *(by invitation)*
H. Alexander Arts, M.D. *(by invitation)*
9. 2:37 PM Reporting Operative Hearing Results: Does Choice of Outcome Measure Make a Difference
Robert A. Goldenberg, M.D.
Karen I. Berliner, Ph.D.* *(by invitation)*
10. 2:46 PM Prolapse of the Mandibular Condyle Into the External Auditory Canal: A Complication of Otologic Surgery
Samuel Selesnick, M.D.* *(by invitation)*
Leonard P. Rybak, M.D.
- 2:55 PM DISCUSSION - Chronic Ear Disease
Discussion period open to the audience
- 3:05 PM BREAK
11. 3:20 PM COMPLICATIONS IN OTOLOGICAL SURGERY: PARALYSIS, DIZZINESS, DEAFNESS, AND DEATH
Moderator - George T. Singleton, M.D.
James R.E. Dickens, M.D.
Julianna Gulya, M.D.
Jay B. Farrior III, M.D.
Richard J. Wiet, M.D.
- Cochlear Implants**
12. 4:00 PM Long-Term Results of Multichannel Cochlear Implants in Congenitally Deaf and Prelingually Deafened Children
Bruce J. Gantz, M.D.*
Richard S. Tyler, Ph.D. *(by invitation)*
Paul J. Abbas, Ph.D. *(by invitation)*
Nancy Tye-Murray, Ph.D. *(by invitation)*
Carolyn J. Brown, Ph.D. *(by invitation)*
Holly Fryauf-Bertschy, M.S. *(by invitation)*

***Speaker**

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13. 4:09 PM Long-Term Results of Early Cochlear Implantation in Congenitally and Prelingually Deaf Children
Susan B. Waltzman, Ph.D.* *(by invitation)*
Noel L. Cohen, M.D. *(by invitation)*
William Shapiro, M.A. *(by invitation)*
Ronald A. Hoffman, M.D.
14. 4:18 PM Cochlear Implantation in the Elderly
David Kelsall, M.D.* *(by invitation)*
Jon Shallop, Ph.D. *(by invitation)*
Roberts Feehs, M.D. *(by invitation)*
Donald W. Goin, M.D.
15. 4:27 PM Evaluation of a New Spectra Peak Coding Strategy (SPEAK) for the Nucleus 22 Channel Cochlear Implant System
Clark, Graeme M.D.* **Arndt, P**
Skinner, M **Antogenelli, T**
Whitford, L **Brimacombe, J**
Seligman, P **Pyle, S**
Staller, S **Daniels, P**
Shipp, D **George, C**
Shallop, J **McDermott, H**
Everingham, C **Beiter, A**
Menapace, C
16. 4:36 PM A Comparative Study of Multi-Channel Tactile Aids and Multi-Channel Cochlear Implants
Richard T. Miyamoto, M.D.*
Amy Robbins, M.S. *(by invitation)*
Susan Todd, M.D. *(by invitation)*
Allison Riley, M.S. *(by invitation)*
Mary Jo Osberger, Ph.D. *(by invitation)*

***Speaker**

NOTES

17. 4:45 PM The Vestibular Effects Associated with Implantation of a Multichannel Cochlear Prosthesis
George W. Facer, M.D.*
Robert Brey, Ph.D. *(by invitation)*
Ann Peterson, M.D. *(by invitation)*
Susan Lynn, M.A. *(by invitation)*
Mary Beth Trine, M.A. *(by invitation)*
18. 4:54 PM Cochleostomy in Labyrinthitis Ossificans: Anatomic, Histologic and Radiographic Dimensions
Robert S. Feehs, M.D.* *(by invitation)*
19. 5:03 PM Use of Distortion Product Otoacoustic Emissions to Assess the Frequency Specificity of an Electromagnetic Middle Ear Implant
John Park, B.S.* *(by invitation)*
James Coticchia, M.D. *(by invitation)*
William Clark, Ph.D. *(by invitation)*
Sid Khosla, M.D. *(by invitation)*
Greg Esselman, M.D. *(by invitation)*
John M. Fredrickson, M.D.
20. 5:12 PM Application of High-Resolution Two Dimensional Electrophoresis to the Study of Inner Ear Disease Isolde
Thalman, Ph.D.* *(by invitation)*
Robert I. Kohut, M.D.
Jai H. Ryu, Ph.D.
Ruediger Thalman, M.D.
- 5:21 PM DISCUSSION - Cochlear Implants
Discussion period open to the audience.
- 5:30 PM PHOTOGRAPH: MEMBERS ONLY

***Speaker**

NOTES

SUNDAY, MAY 8, 1994

BUSINESS MEETING 7:00 AM

(Restricted to Members)

Report of the:

- a. Board of Trustees of the Research Fund
- b. American National Standards Institute
- c. American Board of Otolaryngology
- d. Award of Merit Committee
- e. American College of Surgeons
- f. American Academy of Otolaryngology -Head and Neck Surgery

Report of the Audit Committee

Report of the Nominating Committee

Reading of Communications

Unfinished Business

New Business

SCIENTIFIC PROGRAM - 7:45 AM

(Open to Non-Members)

Neoplastic Disorders

21. 7:45 AM Fibrous Dysplasia of the Temporal Bone
Cliff E. Megerian, M.D. *(by invitation)*
Robert A. Sofferman, M.D.*
(by invitation)
Joseph B. Nadol, Jr., M.D.
22. 7:54 AM Preservation of Auditory and Vestibular
Function After Surgical Removal of
Bilateral Eighth Nerve Neurofibromas
(NF) in a Patient with NF 2
F. Owen Black, M.D.*
Derald E. Brackmann, M.D.
William Hitselberger, M.D. *(by invitation)*

*Speaker

NOTES

23. 8:03 AM Radiation Therapy in the Management of Paragangliomas of the Temporal Bone
Andrew de Jong, M.D.* *(by invitation)*
Newton J. Coker, M.D.
Herman A. Jenkins, M.D.
Helmuth Goepfert, M.D.
Bobby R. Alford, M.D.
24. 8:12 AM Adenomatous Lesions of the Temporal Bone Immunohistochemical Analysis and Theories on Histogenesis
E. L. Bold,* *(by invitation)*
J. R. Wanamaker *(by invitation)*
G. B. Hughes *(by invitation)*
C. Rhee *(by invitation)*
Sam E. Kinney, M.D.
B.A. Sebek *(by invitation)*
25. 8:21 AM The Efficacy of ABR as a Screening Test for Small Acoustic Neuromas
Michael Gordon, M.D.* *(by invitation)*
Noel Cohen, M.D.
26. 8:30 AM MR Flow Imaging in the Evaluation of CSF Leaks
Lucien M. Levy, M.D.* *(by invitation)*
A. Julianna Gulya, M.D.
Dennis LeBihan, Ph.D. *(by invitation)*
Sunder S. Rajan, Ph.D. *(by invitation)*
Michael S. Morris, M.D. *(by invitation)*
Dieter Schellinger, M.D. *(by invitation)*
27. 8:39 AM COMPLICATIONS OF NEUROTOLOGIC/SKULL BASE SURGERY; STROKE, NUMBNESS, PARALYSIS, DIZZINESS, DEAFNESS AND DEATH
How and Why and What To Do
Moderator - C. Gary Jackson, M.D.
Derald Brackmann, M.D.
Bruce Gantz, M.D.
Peter Smith, M.D.

***Speaker**

NOTES

Congenital Disorders

28. 9:19 AM Transposition of the Facial Nerve in Congenital Aural Atresia
Robert A. Jahrsdoerfer, M.D.*
29. 9:28 AM Congenital Aural Atresia Surgery: Experience and Refinements Over the Past 10 Years
Sujana Chandrasekhar, M.D.*
(by invitation)
Antonio de la Cruz, M.D.
30. 9:37 AM Hearing Loss in Paget's Disease of Bone: Auditory Nerve Compression is Not a Primary Mechanism
Edwin M. Monsell, M.D., Ph.D.*
(by invitation)
Henry G. Bone, M.D. (by invitation)
Dianna D. Cody, Ph.D. (by invitation)
Gary P. Jacobson, Ph.D. (by invitation)
Craig W. Newman, Ph.D.
(by invitation)
Suresh Patel, M.D. (by invitation)
31. 9:46 AM Monitoring Cochlear Function Intraoperatively Using Distortion Product Otoacoustic Emissions
Fred F. Telischi, M.D.* (by invitation)
Michael P. Widick, M.D. (by invitation)
Brenda Lonsbury-Martin, Ph.D.
(by invitation)
Marcy McCoy, M.S. (by invitation)

***Speaker**

NOTES

32. 9:55 AM Characterization of DNA Extracted from Archival Celloidin Embedded Human Temporal Bone Sections
Wackym, Phillip M.D.* *(by invitation)*
Marc Kerner, M.D. *(by invitation)*

10:04 AM DISCUSSION - Congenital and Neoplastic Disorders
Discussion period open to the audience.

10:09 AM BREAK

Vestibular Disorders and Inner Ear Disorders

33. 10:24 AM Streptomycin Perfusion of the Labyrinth Through the Round Window Plus Intravenous Streptomycin
John J. Shea, Jr M.D.*

34. 10:33 AM Temporal Bone Histopathology of Cisplatin Ototoxicity
Raul Hinojosa, M.D.
Landon C. Riggs, M.D.* *(by invitation)*
Gregory J. Matz, M.D.

35. 10:42 AM Ultrastructural Findings in the Vestibular End Organs of AIDS Cases
Dennis G. Pappas, Jr., M.D.*
John T. Roland, Jr., M.D. *(by invitation)*
Dean Hillman, Ph.D. *(by invitation)*
Andrew Lai *(by invitation)*

36. 10:51 AM Correlation of Beta-2 Transferrin and Middle Ear Abnormalities in Congenital Perilymphatic Fistula
Peter C. Wever M.D.* *(by invitation)*
Charles D. Bluestone, M.D.
Margaret A. Kenna, M.D.
(by invitation)
Robert H. Kelly, Ph.D. *(by invitation)*

***Speaker**

NOTES

37. 11:00 AM Loss of Perilymph Affects
Electrocochelographic Potentials in the
Guinea Pig
Mohamed Badr-El-Dine, M.D.
(by invitation)
George M. Gerken, Ph.D.
(by invitation)
William L. Meyerhoff, M.D., Ph.D.*
38. 11:09 AM Aerospace Otology
Sam J. Marzo, M.D.* *(by invitation)*
Andrew J. Hotaling, M.D. *(by invitation)*
Gregory J. Matz, M.D.
39. 11:18 AM To Abandon or Not Abandon:
Antesigmoid Craniotomy with Retro-
labyrinthine Vestibular Nerve Section
Charles M. Luetje, M.D.*
C. Keith Whittaker, M.D. *(by invitation)*
Patricia Genter, R.N. *(by invitation)*
40. 11:27 AM Paroxysmal Positional Vertigo (PPV): An
Overview and the "Liberatory
Maneuver": Fiction or Fact?
A. Katsarkas, M.D.*
41. 11:36 AM AOS/ANS Survey of Vestibular
Rehabilitation
Mohamed A. Hamid, Ph.D., M.D.*
Gordon B. Hughes, M.D.
Sam E. Kinney, M.D.
42. 11:45 AM The Effect of Vestibular Rehabilitation
on Postoperative Disequilibrium
Following Transmastoid
Labyrinthectomy
Alan W. Langman, M.D.* *(by invitation)*
Roger C. Lindeman, M.D.

***Speaker**

NOTES

43. 11:54 AM

Development of a Dizziness Disability Scale

Vicente Honrubia, M.D.*

Ronald S. Reiter, Ph.D. *(by invitation)*

Theodore Bell, Ph.D. *(by invitation)*

Majorie Harris, M.A. *(by invitation)*

Robert W. Baloh, M.D. *(by invitation)*

Diane Petersen, M.D. *(by invitation)*

DISCUSSION - Vestibular Disorders
Discussion period open to the audience.

INTRODUCTION OF NEW PRESIDENT

ADJOURN

PRESIDENT'S RECEPTION AND
DINNER DANCE

Reception 6:30 PM

Banquet 7:30 PM

For Members, Officially Invited Guests,
their Ladies or Escorts
-Black Tie-

***Speaker**

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1953 Julius Lempert, M.D.
1954 Stacy Guild, Ph.D.
1957 Georg von Bekesy, Ph.D.
1959 Ernest Glen Wever, Ph.D.
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1961 John R. Lindsay, M.D.

1962 William J. McNally, M.D.
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1968 Lawrence R. Boles, M.D.
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1970 Senator Joseph A. Sullivan, M.B.
1971 Samuel Rosen, M.D.
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1980 Ben H. Senturia, M D
1981 J. Brown Farmer, M D
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1983 Victor Goodhill, M D

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1988 George D. Nager, M.D.
1989 Brian F. McCabe, M D
1990 Eugene I. Derlacki, M D
1991 Richard R. Gacek, M.D.
1992 James I. Sheehy, M D
1993 James A. Donaldson, M D

1993-94 MEMBERSHIP LIST OF THE AMERICAN OTOLOGICAL SOCIETY

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Dr. Maurice Schiff
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