

*A Continuing Medical Education  
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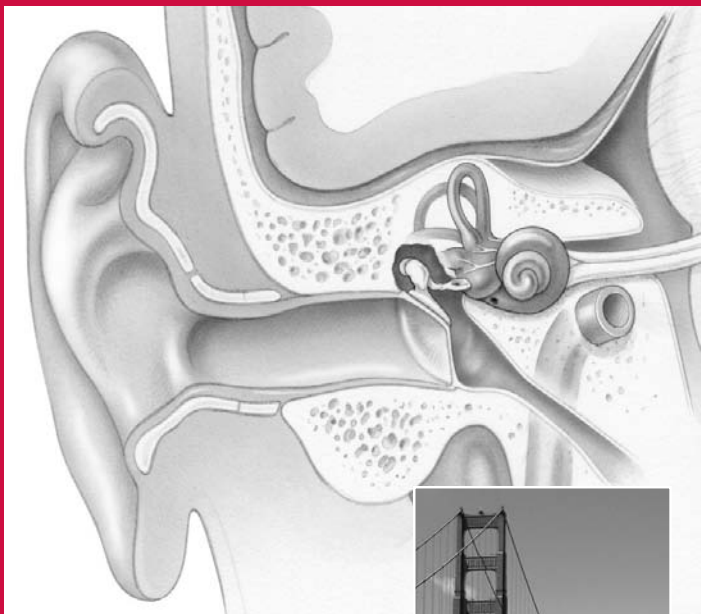
*Stanford University School of Medicine*

*and Stanford Hospital & Clinics*

# STANFORD OTOLOGY & NEUROTOLOGY UPDATE 2008

November 6-8, 2008

Stanford Court Hotel, San Francisco



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STANFORD UNIVERSITY SCHOOL OF MEDICINE



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# STANFORD OTOLOGY & NEU

## STATEMENT OF NEED

Otolaryngologists as a specialty must take the lead in defining, understanding and adhering to clinically valid, evidence-based performance measures. New diagnosis, management and treatment techniques are the focus of this symposium, along with the etiology, pathophysiology, evaluation, and clinical and surgical management of otologic and neurotologic conditions.

## CONFERENCE DESCRIPTION

This three day national conference will highlight clinical issues and advances in the diagnosis and treatment of otologic and neurotologic conditions.

This program is intended for otolaryngologists, otolaryngology residents and other clinicians interested in the management of otologic and neurotologic diseases, including internists, general practitioners, nurses and other allied health professionals.

Attendees will have multiple opportunities for discussion and interaction with course faculty, including case presentation sessions on both surgical and medical topics (registrants are encouraged to submit case studies for consideration to [ycervantes@stanfordmed.org](mailto:ycervantes@stanfordmed.org)), and daily Continental breakfasts with the faculty.

## LEARNING OBJECTIVES

At the conclusion of this activity, participants should be able to:

- Evaluate and compare hearing devices and implants, and select appropriate treatment options for the adult and pediatric patient.
- Describe evidence-based treatment and imaging options for sudden sensorineural hearing loss.
- Recognize, evaluate and devise evidence-based treatment plans for otologic diseases and conditions including tinnitus, microtia, atresia, chronic otitis media, otitis externa, otalgia, cholesteatoma, and Bell's palsy.
- Identify and select imaging and stereotactic surgery options based on evidence-based clinical practice guidelines.
- Describe and implement recent innovations in otologic surgery, including management of challenging surgical cases and complications.
- Identify and adopt new scientific research on the relation of genetics and stem cell therapy to deafness.
- Accept new strategies for effective management of the otologic practice including adoption of the electronic medical record.

# OTOLOGY UPDATE 2008

This CME activity will include lectures, question and answer sessions, debate and discussion opportunities, case presentations, audiovisuals and a CD-ROM containing course syllabus and references.

## CONFERENCE LOCATION

The Stanford Court Hotel  
A Renaissance Hotel  
905 California Street, Nob Hill  
San Francisco, CA 94108  
415-989-3500 - telephone  
800-227-4736 - toll free group reservations  
[www.stanfordcourt.com](http://www.stanfordcourt.com)

## ACCREDITATION

The Stanford University School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

## CREDIT DESIGNATION

Stanford University School of Medicine designates this educational activity for a maximum of 17.50 *AMA PRA Category 1 Credit(s)*<sup>™</sup>. Physicians should only claim credit commensurate with the extent of their participation in the activity.

The California State Board of Registered Nursing recognizes this accredited category 1 course as acceptable toward continuing education requirements for license renewal by nurses. Stanford Hospital & Clinics is approved by the Board of Registered Nursing, provider number CEP 14557, to offer this symposium for a maximum of 21.2 contact hours.

## ABOUT STANFORD HOSPITAL & CLINICS

Stanford Hospital & Clinics, part of Stanford University Medical Center, provides general, acute, and tertiary care to local, national and international patients. Stanford is internationally recognized for its state-of-the-art care in specialty areas such as organ transplantation, cardiovascular medicine and surgery, neurology and neurosurgery, cancer diagnosis and treatment, orthopedic services and surgery, and complex surgical procedures. Partnering with the Stanford University School of Medicine in research and teaching, the hospital plays a key role in translating the latest discoveries in the lab to bedside patient care.

# Thursday November 6, 2008

7:00 - 8:00 **Registration and Breakfast**

**AM Session Moderator: Robert Jackler, MD**

8:00 - 8:10 **Welcome and Introduction**  
Robert Jackler, MD

## **"HOW I DO IT"**

8:10 - 8:30 **Ossicular Chain Reconstruction:  
Methods New and Old**  
Clough Shelton, MD

8:30 - 9:00 **Managing the Patient with BPPV**  
Lorne Parnes, MD

## **"HOW I BLEW IT"**

9:00 - 9:40 **Panel: What I Learned From Having  
Complications in Ear Surgery**  
Moderator: Richard Irving, MD  
Panelists: Blevins, Jackler, Parnes, Rigby,  
Selesnick, Shelton

## **"HOW WE WILL DO IT"**

9:40 - 10:10 **The Future of Otology**  
Robert Jackler, MD

10:10 - 10:30 *Coffee Break and Exhibits*

10:30 - 10:50 **The Promise of Stem Cell Therapy in  
Overcoming Deafness**  
Alan Cheng, MD

## **OTOLOGIC ANATOMY AND IMAGING**

10:50 - 11:20 **The Temporal Bone in 3D**  
Samuel Selesnick, MD

11:20 - 11:40 **Surgical Simulation in Otology**  
Nikolas Blevins, MD

11:40 - 12:00 **New Techniques for Temporal Bone  
Imaging**  
Clough Shelton, MD

12:00 - 1:30 *Lunch on your own*

**PM Session Moderator: Nikolas Blevins, MD**

## **SPECIAL LECTURE:**

1:30 - 2:00 **Innovation in Medical Devices:  
The Role of The Surgeon**  
Rodney Perkins, MD

## **PEDIATRIC OTOLOGY**

2:00 - 2:20 **Genetics in Otology**  
Markus Pfister, MD

2:20 - 2:40 **Management of Microtia and Atresia**  
Kay Chang, MD

- 2:40 - 3:00 **Cochlear Implants in Children**  
Nikolas Blevins, MD
- 3:00 - 3:20 *Coffee Break and Exhibits*
- 3:20 - 4:00 **Panel: Challenges in Pediatric Otology**  
Moderator: Nikolas Blevins, MD  
Panelists: Messner, Chang, Driscoll, Lustig,  
Maw

## **TINNITUS**

- 4:00 - 4:20 **Tinnitus – Does Anything Help?**  
Joseph Hegarty, MD
- 4:20 - 4:40 **Tinnitus: Therapeutic Frontiers**  
Steven Cheung, MD

## **OTALGIA**

- 4:40 - 5:00 **Diagnosis and Management of Otalgia**  
David Sim, MD
- 5:00 *Adjourn*

# **Friday November 7, 2008**

- 7:00 - 8:00 **Breakfast**

**AM Session Moderator: Lawrence Lustig, MD**

## **CHRONIC OTITIS MEDIA AND CHOLESTEATOMA**

- 8:00 - 8:20 **How Cholesteatomas Arise and Why They Tend to Recur**  
Robert Jackler, MD
- 8:20 - 8:40 **My Approach to Managing the Chronic Ear**  
Lorne Parnes, MD
- 8:40 - 9:00 **Management of Complications of Mastoid Surgery**  
Clough Shelton, MD

## **EXTERNAL EAR DISEASE**

- 9:00 - 9:20 **Current Approaches to Otitis Externa, Chronic Myringitis, Acquired Stenosis, and Exostoses**  
Samuel Selesnic, MD

## **OSSICULOPLASTY**

- 9:20 - 9:40 **Ossiculoplasty: A Meta-Analysis of Short- and Long-Term Results**  
Markus Pfister, MD

## **OTOSCLEROSIS AND STAPES SURGERY**

- 9:40 - 10:00 **Stapes Surgery: Prosthesis Selection**  
Colin Driscoll, MD
- 10:00 - 10:20 *Coffee Break and Exhibits*

- 10:20 - 10:50 **Genetics and Medical Management**  
Anh Nguyen, MD
- 10:50 - 11:10 **Stapes Surgery: Handling The Challenging Case**  
Robert Jackler, MD
- 11:10 - 12:00 **Panel: Challenges in Middle Ear Surgery**  
Moderator: Clough Shelton, MD  
Panelists: Driscoll, Nguyen, Oghalai, Parnes, Pfister, Rigby, Selesnick
- 12:00 - 1:30 *Lunch on your own*

**PM Session Moderator: Steven Cheung, MD**

**SENSORINEURAL HEARING LOSS:**

- 1:30 - 1:50 **How The Inner Ear Works**  
John Oghalai, MD
- 1:50 - 2:10 **Age-Related Hearing Loss & The Genetics Revolution**  
Lawrence Lustig, MD
- 2:10 - 2:30 **Ototoxicity**  
Ashkan Monfarad, MD
- 2:30 - 2:50 **Treatment of Sudden Sensorineural Hearing Loss: An Evidence-Based Analysis**  
Lorne Parnes, MD

**HEARING DEVICES:**

- 2:50 - 3:10 **The Latest Technological Advances in Hearing Aids**  
Gerald Popelka, PhD
- 3:10 - 3:30 **Fully/Partially Implantable Hearing Aids**  
Markus Pfister, MD
- 3:30 - 3:50 *Coffee Break and Exhibits*

**VESTIBULAR DISORDERS:**

- 3:50 - 4:10 **An Evidence-Based Approach to Intratympanic Therapy**  
Lorne Parnes, MD
- 4:10 - 4:30 **Superior Semicircular Canal Dehiscence: The Great Emulator**  
Lawrence Lustig, MD
- 4:30 - 4:50 **Treatment of Meniere's Disease: An Evidence-Based Approach**  
Sumit Agrawal, MD
- 4:50 - 5:30 **Panel: Managing the Difficult Vertigo Patient**  
Moderator: Lorne Parnes, MD  
Panelists: Agrawal, Cheung, Hegarty, Lustig, Nguyen, Sajjadi
- 5:30 **Adjourn**

# Saturday November 8, 2008

7:00 - 8:00 **Breakfast**

**AM Session Moderator: Samuel Selesnick, MD**

## **COCHLEAR IMPLANTS**

8:00 - 8:20 **Hybrid Cochlear Implants: Ready For Prime Time?**

Lawrence Lustig, PhD

8:20 - 8:40 **Bilateral Cochlear Implants**

Colin Driscoll, MD

## **OTOLOGIC PRACTICE ISSUES**

8:40 - 9:00 **The Electronic Medical Record in Otologic Practice**

Peter Rigby, MD

9:00 - 9:20 **The Otologist as Medical Missionary**

Ashkan Monfarad, MD

## **NEUROTOLOGY**

9:20 - 9:40 **Imaging of Sensorineural Hearing Loss and Vertigo**

Nancy Fischbein, MD

9:40 - 10:00 **The Evidence Regarding Stereotactic Radiosurgery for Vestibular Schwannoma**

Nikolas Blevins, MD

10:00 - 10:20 *Coffee Break and Exhibits*

10:20 - 10:40 **Cost Effective Diagnosis of Acoustic Neuromas: A Philosophical, Macroeconomic and Technological Decision**

Samuel Selesnick, MD

10:40 - 11:00 **Lesions of The Petrous Apex**

Richard Irving, MD

## **FACIAL NERVE DISORDERS**

11:00 - 11:20 **Bell's Palsy**

Clough Shelton, MD

11:20 - 11:40 **Intratemporal Facial Nerve Disorders**

Lorne Parnes, MD

11:40 - 12:00 **Facial Reanimation**

Richard Irving, MD

12:00 **Adjourn**

*Opportunities for Q&A will be provided at the conclusion of each presentation.*

**Robert Jackler, MD**

Sewall Professor & Chairman of Otolaryngology –  
Head & Neck Surgery  
Professor of Neurosurgery and Surgery  
Associate Dean of CME  
(Program Chair)

**Nikolas Blevins, MD**

Associate Professor of Otolaryngology –  
Head & Neck Surgery  
Director LPCH/Stanford Cochlear Implant Center  
(Program Co-Chair)

**SPECIAL GUEST FACULTY**

**Lorne Parnes, MD**

Professor of Otolaryngology – Head & Neck Surgery  
Professor of Clinical Neuroscience  
University of Western Ontario

**Clough Shelton, MD**

Professor and Chief of Otolaryngology,  
Head & Neck Surgery  
Adjunct Professor Bioengineering, Pediatrics, and  
Communication Sciences  
University of Utah School of Medicine

**STANFORD UNIVERSITY FACULTY**

**Kay Chang, MD**

Assistant Professor of Otolaryngology –  
Head & Neck Surgery

**Nancy Fischbein, MD**

Associate Professor of Radiology  
and Otolaryngology – Head & Neck Surgery

**Alan Cheng, MD**

Assistant Professor of Otolaryngology –  
Head & Neck Surgery

**Anna Messner, MD**

Associate Professor & Vice Chair of Otolaryngology –  
Head & Neck Surgery

**Ashkan Monfarad, MD**

Instructor of Otolaryngology – Head & Neck Surgery

**Jennifer Maw, MD**

Clinical Assistant Professor of Otolaryngology –  
Head & Neck Surgery

**Rodney Perkins, MD**

Clinical Professor of Otolaryngology –  
Head & Neck Surgery

**Gerald Popelka, PhD**

Clinical Professor of Otolaryngology –  
Head & Neck Surgery  
Chief of Audiology

**Hamed Sajjadi, MD**

Clinical Associate Professor Otolaryngology –  
Head & Neck Surgery

## **GUEST FACULTY**

### **Sumit Agrawal, MD**

Assistant Professor of Otolaryngology –  
Head & Neck Surgery  
University of Western Ontario

### **Steven Cheung, MD**

Associate Professor of Otolaryngology –  
Head & Neck Surgery  
University of California, San Francisco

### **Colin Driscoll, MD**

Associate Professor Otorhinolaryngology and Neurosurgery  
Mayo Medical School

### **Joseph Hegarty, MD**

Private Practice of Otology/Neurotology  
Boulder, Colorado

### **Richard Irving, MD**

Consultant Otolaryngologist,  
Birmingham University

### **Lawrence Lustig, MD**

Professor of Otolaryngology –  
Head & Neck Surgery  
University of California, San Francisco

### **Anh Nguyen, MD**

Assistant Professor of Otolaryngology –  
Head & Neck Surgery  
University of Oregon

### **John Oghalai, MD**

Assistant Professor of Otolaryngology,  
Baylor University

### **Markus Pfister, MD**

Professor of Otolaryngology –  
Head & Neck Surgery  
University of Tuebingen, Otolaryngology

### **David Sim, MD**

Lecturer, University of Edinburgh

### **Peter Rigby, MD**

Private Practice of Otology/Neurotology,  
Richmond, Virginia

### **Samuel Selesnick, MD**

Professor of Otolaryngology,  
Neurological Surgery and Neurology  
Cornell University, New York, NY

## **Faculty Disclosure**

The Stanford University School of Medicine adheres to ACCME Essential Areas, Standards, and Policies regarding industry support of continuing medical education. Disclosure of faculty and commercial relationships will be made prior to the activity. Speakers are required to openly disclose any limitations of data and/or any discussion of any off-label, experimental, or investigational uses of drugs or devices in their presentations.

## **Commercial Support Acknowledgment**

This CME activity is supported in part by educational grants. A complete list of commercial supporters will be published in the course syllabus.

## ENROLLMENT APPLICATION

### STANFORD OTOTOLOGY & NEUROTOLOGY UPDATE 2008

November 6-8, 2008

Please register early – hotel and conference space are limited. Registration fee includes Continental breakfasts with course faculty, refreshment breaks, course materials, CD-ROM, and certificate of attendance. Tuition may be paid by check, Visa, American Express, or MasterCard. Refunds must be requested in writing by October 3, 2008, and will be subject to a \$75 administrative fee. No refunds will be made on cancellations received after that date. Program materials cannot be guaranteed unless enrollment is received by October 3, 2008. Stanford Hospital & Clinics reserves the right to cancel this program; in the event of cancellation, course fees will be fully refunded.

Please type or print:

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Name/Degree

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Specialty

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Medical License #(required for CME credit)      Affiliation

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Street Address

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#### Registration Fees:

\$585 Physician     \$300 Other practitioner

Physicians in training please include letter of verification from training program to qualify for reduced tuition fee.

**Daily Continental Breakfast** – Breakfast is included in tuition for course registrants. Guest fee: \$75/3 days. I will bring \_\_\_\_ guests.



Stanford Hospital & Clinics is fully ADA compliant. If you have needs that require special accommodations, including dietary concerns, please contact ycervantes@stanfordmed.org or (650) 724-9549, before October 3, 2008.

#### Please Check Payment Method:

- Register and pay online at [www.cme.stanfordhospital.com](http://www.cme.stanfordhospital.com)  
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#### On-Site Registration

Time: 7:00-8:00 am

Date: Thursday, November 6, 2008

Place: Stanford Ballroom Foyer

Stanford Court Hotel,  
San Francisco

A Renaissance Hotel

905 California Street

San Francisco, CA 94108

#### Mail application and payment to:

Continuing Medical Education

Stanford Hospital and Clinics

701-A Welch Road, Suite 2207

Palo Alto, CA 94304

Phone: (650)724-9549

FAX: (650)498-5020

Email: [shc-cme@stanfordmed.org](mailto:shc-cme@stanfordmed.org)

## HOTEL INFORMATION

Located atop prestigious Nob Hill, the newly renovated Stanford Court Hotel is within walking distance to Union Square and a fabulous variety of restaurants in Chinatown, Fisherman's Wharf and North Beach's "Little Italy."

### Stanford Court Hotel Guest Room Rates

A block of rooms is being held for conference participants at a rate of \$249 for a Superior room, single or double occupancy. *Rooms at these special rates have been reserved for attendees on a first-come, first-served basis and may sell out before the cut-off date.* By staying at the host hotel, you assist Stanford Hospital & Clinics in meeting its contractual obligation with the Stanford Court Hotel and in keeping future registration rates reasonable. Please contact the hotel directly at **800-277-4736** to make reservations. To receive the group rate, indicate that you are attending the Stanford Otology & Neurotology Update 2008 conference. Rates are extended three days pre- and post-conference.

To guarantee rates, rooms must be booked by October 15, 2008.

Reservations must be cancelled at least 48 hours in advance or a one-night stay (and applicable taxes) will be charged. There is a parking day-rate of \$45 plus 14% tax. Parking is reserved for guests attending event as availability is limited. Portage gratuities are suggested at \$3.00 per bag; housekeeping gratuities are suggested at \$1.50 per room per day. All rates are based upon the European Plan (excluding meals) and are subject to applicable taxes at the time of the event.

For detailed hotel information, visit [www.stanfordcourt.com](http://www.stanfordcourt.com).





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*Hospital & Clinics • School of Medicine*

**Continuing Medical Education**

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**Stanford 2nd Annual  
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**February 15-21**  
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