



## Hilary A. Brodie, M.D., Ph.D.

<b>Clinical Interests</b>	Dr. Brodie has a subspecialty practice in otology and neurotology. His clinical focus is in hearing loss and various diseases affecting the middle and inner ears. Together with Dr. Karen Doyle, he works with a team of audiologists, speech pathologists and physical therapists to provide comprehensive programs in cochlear implantation and in the treatment of vestibular disorders.
<b>Research/Academic Interests</b>	<p>Dr. Brodie is engaged in research related to understanding the underlying mechanisms of a disease called labyrinthitis ossificans, in which new bone forms in the inner ear following diseases such as meningitis, skull fractures, and various inflammatory diseases.</p> <p>The significance of this research involves future cochlear implantation. If a child is deafened by meningitis and the cochlea fills with new bone, insertion of a cochlear implant is hindered. Understanding the mechanisms of bone deposition will hopefully allow for inhibition of the process and thereby maintain a patent cochlea.</p>
<b>Title</b>	Chair of Otolaryngology Professor
<b>Specialty</b>	<a href="#">Cancer</a> , Otolaryngology (ENT/Ears, Nose, Throat), Otology/Neurotology, Surgery - Head and Neck, Otolaryngology
<b>Department</b>	Otolaryngology
<b>Division</b>	Head and Neck Surgery
<b>Center/Program Affiliation</b>	<a href="#">UC Davis Comprehensive Cancer Center</a>
<b>Address/Phone</b>	Glassrock Building, General Otolaryngology Clinic, 2521 Stockton Blvd. Suite 5200 Sacramento, CA 95817 <b>Phone:</b> 916-734-5400
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<b>Education</b>	M.D., University of Colorado School of Medicine, Denver, Colorado, 1983 Ph.D., UC Davis School of Medicine, Sacramento, California, 1991 B.S., UC Santa Barbara, Santa Barbara, California, 1977
<b>Internships</b>	Presbyterian Hospital, Denver, Colorado, 1984
<b>Residency</b>	University of California, Davis Medical Center, Sacramento, California, 1991-92



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**Fellowships** University of California, Davis Medical Center, Los Angeles, California, 1992

**Board Certifications** American Board of Otolaryngology, 1991

**Professional Memberships** Alpha Omega Alpha Honor Medical Society  
American Academy of Otolaryngology- Head and Neck Surgery  
American Medical Association  
American Neurotology Society  
American Otological Society  
Association for Research in Otolaryngology  
Association of Academic Departments of Otolaryngology-Head and Neck Surgery  
Sacramento Society of Otolaryngology-Head and Neck Surgery  
Society of University Otolaryngologists-Head and Neck Surgeons  
Triological Society

**Honors and Awards** Alpha Omega Alpha Honor Medical Society Faculty Award, 2001  
Heroes in Healthcare Award - Coalition for Excellence in Healthcare, 2000

**Select Recent Publications** Tanigawa T, Tanaka H, Hayashi K, Nakayama M, Iwasaki S, Banno S, Takumida M, Brodie H, Inafuku S. Effects of hydrogen peroxide on vestibular hair cells in the guinea pig: Importance of cell membrane impairment preceding cell death. *Acta Oto-Laryngologica*, 1-7, 2008.  
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DeSautel, M.G. and H.A. Brodie. The effects of decompensation in the development of labyrinthitis ossificans in gerbils. *Laryngoscope* 109:1674- 1678, October 1999.

Nabili, V., H.A. Brodie, N.I. Neverov and S.P. Tinling. Chronology of labyrinthitis ossificans induced by streptococcus pneumoniae meningitis. *Laryngoscope* 109:931-935, June 1999.

Brodie HA, Thompson TC, Vassilian L, Lee BN. Induction of labyrinthitis ossificans after pneumococcal meningitis: An animal model. *Otolaryngology-Head and Neck Surgery* 118(1):15-21, January 1998.

Brodie HA. Prophylactic antibiotics for post traumatic cerebrospinal fluid fistulae. A Meta-analysis. *Archives of Otolaryngology-Head and Neck Surgery* 123:749-752, July 1997.

Brodie, H.A. and T.C. Thompson. Management of complications from 820 temporal bone fractures. *American Journal of Otology* 18:188-197, March 1997.

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