



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

Clinical Interests	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.
Research/Academic Interests	<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>
Title	Chair of Otolaryngology Professor
Specialty	Cancer , Otolaryngology (ENT/Ears, Nose, Throat), Otology/Neurotology, Surgery - Head and Neck, Otolaryngology
Department	Otolaryngology
Division	Head and Neck Surgery
Center/Program Affiliation	UC Davis Comprehensive Cancer Center
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Education	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
Internships	Presbyterian Hospital, Denver, Colorado, 1984
Residency	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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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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