

# Curriculum Vitae: Su Wooi Teoh, MD, MS, FACS

**Su Wooi Teoh, M.D., P.A.**  
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**Greensboro, NC 27401 USA**

## Education/Training

- 1990-93 University of Texas, Austin, TX, B.S. Highest Honors, Electrical and Biomedical Engineering
- 1993-95 Massachusetts Institute of Technology, Cambridge, MA, S.M. Electrical Engineering and Computer Science
- 1993-96 Harvard University-MIT, Division of Health Sciences and Technology, Cambridge, MA, Ph.D. candidate (All but dissertation) Auditory Physiology and Speech/Hearing
- 1996-00 University of Texas Southwestern Medical School, Dallas, TX, M.D. Medicine
- 2000-01 Indiana University, Indianapolis, IN Intern, General Surgery
- 2001-03 Indiana University, Indianapolis, IN NIH Fellow, Cochlear Implants and Auditory Perception
- 2003-07 Indiana University, Indianapolis, IN., Resident Otolaryngology

## Honors

- 2005 First Place, 21st Annual Manion-Lingeman Resident Research Seminar, Indianapolis, IN
- 2004 First Prize, Paul Holinger Resident Research Award, Triological Society Middle Section Meeting, Marco Island, FL
- 2004 First Place, 20th Annual Manion-Lingeman Resident Research Seminar, Indianapolis, IN
- 1998 UT Southwestern Medical Student Research Forum Award for Platform Presentation, Dallas, TX
- 1996 Bryan Williams M.D. Scholar, UT Southwestern Medical School, Dallas, TX
- 1996 MIT Morris Joseph Levin Award for Best Oral Thesis Presentation, Cambridge, MA
- 1994-96 NIH Fellowship for Speech and Hearing Sciences
- 1993 MIT Vinton Hayes Fellowship, Cambridge, MA
- 1991 University of Texas Ralph R. Nelson Endowed Presidential Scholarship
- 1990-93 University of Texas Distinguished College Scholar
- 1990-93 University of Texas College of Engineering Honor Roll (All semesters)

## Publications: (Peer-reviewed)

1. Teoh SW. Pisoni DB. Miyamoto RT. Cochlear implantation in adults with prelingual deafness. Part II. Underlying constraints that affect audiological outcomes. *Laryngoscope*. 114(10):1714-9, 2004 Oct.
2. Teoh SW. Pisoni DB. Miyamoto RT. Cochlear implantation in adults with prelingual deafness. Part I. Clinical results. *Laryngoscope*. 114(9):1536-40, 2004 Sep.
3. Svirsky MA. Teoh SW. Neuburger H. Development of language and speech perception in congenitally, profoundly deaf children as a function of age at cochlear implantation. *Audiology & Neuro-Otology*. 9(4):224-33, 2004 Jul-Aug.

4. Svirsky MA. Silveira A. Neuburger H. Teoh SW. Suarez H. Long-term auditory adaptation to a modified peripheral frequency map. *Acta Oto-Laryngologica*. 124(4):381-6, 2004 May.
5. Teoh SW. Neuburger HS. Svirsky MA. Acoustic and electrical pattern analysis of consonant perceptual cues used by cochlear implant users. *Audiology & Neuro-Otology*. 8(5):269-85, 2003 Sep-Oct.
6. Rosowski JJ. Ravicz ME. Teoh SW. Flandermeyer DT. Measurements of middle-ear function in the Mongolian gerbil, a specialized mammalian ear. *Audiology & Neuro-Otology*. 4(3-4):129-36, 1999 May-Aug.
7. Teoh SW. Flandermeyer DT. Rosowski JJ. Effects of pars flaccida on sound conduction in ears of Mongolian gerbil: acoustic and anatomical measurements. *Hearing Research*. 106(1-2):39-65, 1997 Apr.

### **Invited Papers**

1. Teoh SW. Miyamoto RT. Hearing loss in infants and children: An update on the evaluation and management paradigms. *Otorinolaringologia*. 55(2):123-31, 2005.
2. Rosowski JJ. Teoh SW. Flandermeyer DT. The effect of the pars flaccida of the tympanic membrane on the ear's sensitivity to sound. In Lewis ER et al. (eds): *Diversity in Auditory Mechanics*. Singapore, World Scientific Press, 1997; pp 129-135.
3. Teoh SW. The roles of pars flaccida in middle ear acoustic transmission. S.M. Thesis, Electrical Engineering and Computer Science, Massachusetts Institute of Technology, Cambridge, MA.

### **Presentations (partial list)**

1. Teoh SW. Evaluation and Management of Pediatric Hearing Loss. Moses Cone Pediatric Grand Rounds, the Greensboro Area Health Education Center, April 16, 2008.
2. Teoh SW, Svirsky MA. Long-term Auditory Adaptation of Cochlear Implant Users to a Modified Periphery Frequency Map. Paper presented at the 21st annual Manion-Lingeman lecture and research seminar at the Indiana University School of Medicine. 2003.
3. Teoh SW, Pisoni DB, Miyamoto RT. Cochlear implantation in adults with prelingual deafness: Clinical results and underlying constraints that affect audiological outcomes. Paper presented at the 2004 Triological Society Middle Section Meeting, Marco Island, FL.
4. Svirsky MA, Neuburger H, Teoh SW. Outcomes of pediatric cochlear implantation as a function of age at implant. Paper presented at the 2003 American Speech-Language Hearing Association Convention, Chicago, November 13-15, 2003.
5. Teoh SW. Acoustic and electrical pattern analysis of consonant perceptual cues used by cochlear implant users. Paper presented at the 19th annual Manion-Lingeman lecture and research seminar at the Indiana University School of Medicine. 2003.
6. Teoh SW. Perceptual cues for consonant recognition by cochlear implant users. Paper presented at the 18th annual Manion-Lingeman lecture and research seminar at the Indiana University School of Medicine. 2002.
7. Svirsky MA, Teoh SW, Neuburger H. Developmental Trajectory Analysis, a new paradigm to investigate the effect of age at initial stimulation on the outcome of pediatric cochlear implantation. Paper presented at the 7th International Cochlear Implant Conference, Manchester, UK. 2002.

8. Teoh SW, Moss RL (1998). Effects of putative ligands on the dendritic knob membrane conductance of vomeronasal sensory neurons: A patch clamp study. Paper presented at the 36th annual research forum of the University of Texas Southwestern Medical Center at Dallas.
9. Rosowski JJ, Teoh SW, Ravicz ME, and Flandermeyer DT. Measurements of ossicular velocity in gerbil middle ears. Paper presented and abstract published at the Midwinter Meeting of the Association for Research in Otolaryngology 1997;20:60.
10. Teoh SW, Rosowski JJ, and Flandermeyer DT. The effect of the pars flaccida of the tympanic membrane on hearing function. Poster presented and abstract published at the Midwinter Meeting of the Association for Research in Otolaryngology 1996;19:84.

### **Professional Experience**

1. University of Texas Southwestern Medical School, Computer Programmer Jan 97 - Jun 2000. Wrote computer programs to convert Registrar and Financial Aid data to Y2K compliant format. Designed and wrote programs for the university web pages.
2. IBM, Advanced Workstation Division, Austin, TX, Technical Consultant Sept 92 - Jan 93. Developed and debugged device drivers for the RISC System/6000 workstations. Provided over-the-phone consultation on the hardware and software usage of the workstations.
3. IBM, Advanced Workstation Division, Austin, TX, Technical Support Representative Sept 91 - Jan 92, May 92 - Aug 92, Jan 93 - May 93; Provided technical how-to support to IBM system engineers on the usage of AIX operating system and RISC System/6000 workstations; Maintained the system lab of IBM PCs, RT, and RS/6000 workstations.
4. University of Central Oklahoma, Edmond, OK, Life Guard Jan 89 - Dec 89; Supervised swimmers at the university pool.

### **Research Experience**

1. Indiana University, DeVault otologic Research Laboratory, Indianapolis July 2001 - June 2003. Research areas: Physiology, acoustics, and mathematical models of speech perception by cochlear implant users. Coding strategies of cochlear implants.
2. University of Texas Southwestern Medical School at Dallas June 97 - Aug 97. Research areas: Patch clamp study of the dendritic knob membrane conductance of vomeronasal sensory neurons. PI: Robert Moss, Ph.D., Dept of Physiology
3. Massachusetts Eye and Ear Infirmary, Eaton Peabody Laboratory, Boston Sept 94 - Aug 96. Research areas: Effects of tympanic membrane properties on middle-ear acoustic transmission. Physiology of the Mongolian gerbil middle ear. PI: John Rosowski, Ph.D., Dept of Otolaryngology
4. Massachusetts Eye and Ear Infirmary, Jenks Vestibular Lab, Boston Sept 93 - Aug 94. Research areas: Perilymphatic Fistula detection using system identification techniques: Characterization of the human vestibular-ocular reflex in response to application of pseudorandom pressure stimulus. PI: Conrad Wall, Ph.D., Dept of Otolaryngology

### **Professional Affiliations**

1. Reviewer, Laryngoscope
2. Reviewer, Ear and Hearing

3. Member, American Academy of Otolaryngology - Head and Neck Surgery
  4. Post-graduate Member, The Triological Society
  5. Member, American Rhinologic Society
  6. Member, American Academy of Facial Plastic and Reconstructive Surgery
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