

# CURRICULUM VITA

## (March, 2004)

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Birth Date	September 9, 1959
Place of Birth	Beijing, China
Gender	Male

### EDUCATION

09/78~08/83	The Fourth Military Medical Univ., Xi'an, China	M.D.
09/86~09/91	Chinese PLA Military Medical Postgraduate School, Beijing, China	Ph.D.

### TRAINING

10/83~08/85	Intern, General Surgery	PLA Air Force General Hospital, Beijing, China
09/85~08/86	Resident, Otolaryngology	PLA Air Force General Hospital, Beijing, China
09/89~08/91	Resident, Otolaryngology	Chinese PLA General Hospital, Beijing, China
11/92~12/94	Post-Doc. Research fellow	Audiology/Auditory Research Laboratory, Temple University, Philadelphia
10/03~12/03	Mini-fellowship in voice and swallowing disorders	Voice Clinic, University of Washington, Seattle

### PROFESSIONAL EXPERIENCE

10/91~10/92	Clinical Assistant Professor	Chinese PLA General Hospital, Beijing, China
01/95~04/97	Associate Professor	Chinese PLA General Hospital, Beijing, China
05/97~12/97	Research Associate /Neurophysiologist	Audiology/Auditory Research/Neuromonitoring, Temple University, Philadelphia
01/98~09/98	Clinical Instructor	Dept. of Otolaryngology, OHSU, Portland
10/98~present	Assistant Professor	Dept. of Otolaryngology, OHSU, Portland

### SOCIETIES

10/91~04/96	Society of Otorhinolaryngology, China Medical Association	Member
11/99~Present	Association for Research in Otolaryngology	Member
11/99~Present	American Society of Neurophysiological Monitoring	Member
06/01~Present	American Academy of Otolaryngology Head & Neck Surgery	Member

### US LICENSURE

Oregon State Board of Medical Examiners License (#MD24611)  
1999~present

## CERTIFICATION

Certificate of Educational Commission For Foreign Medical Graduates  
2003

Certificate of completion of Oregon Health & Science University's HIPAA Education Program  
2003

Certificate of completion of OHSU Responsible Conduct of Research Education  
2002

Institutional Animal care and Use /committee Certification for Basic Requirements of the Program on Animal Use in Medical Research, with training in Humane Care and Use of Laboratory Animals.

1994

## HONORS AND AWARDS

First Prize in English Speech Contest for Students at the Fourth Military Medical University, Xi'an, China

1980

Second Prize in English Speech Contest sponsored by China Central Television and China Daily, Beijing, China

1985

Best Presentation (First Class) at PLA Academic Conference for Middle-aged and Young Scientists, Beijing, China

March 1993

PLA Award for Advances in Science and Technology (Second Class), Beijing, China  
May 1996

## CLINICAL SKILLS

Ability in diagnosis and treatment of diseases of the ear, nose and throat. Surgical skills in ear, nose, throat, head and neck areas. Experiences in audiometric tests including conventional audiometry, auditory evoked potentials and otoacoustic emissions. Extensive experiences in intraoperative monitoring of somatosensory evoked potential, motor evoked potentials, spontaneous EMGs and evoked EMGs.

## RESEARCH SKILLS

Application of clinical tools in neuro-otologic research. Extensive experience in study of cochlear physiology and pathology using otoacoustic emissions. Trained in anesthesia and surgical techniques for animal studies. Electrical engineering and computer programming in C/C++ language for purposes of data acquisition and analysis.

## PUBLICATIONS

1. Jiang, S. and **Shi, Y.** Otoacoustic emissions and active cochlear mechanics (a review). *Chinese Journal of Otolaryngology* 1989; 24(4): 246
1. **Shi, Y.**, Jiang, S., Gu, R., et al. Evoked otoacoustic emissions from normal-hearing young Chinese. *Chinese Journal of Otolaryngology* 1989; 24(6): 349

2. **Shi, Y.**, Jiang, S. and Gu, R. Evoked otoacoustic emissions in sensorineural hearing loss. *Chinese Journal of Otolaryngology* 1993; 28(1): 22
3. **Shi, Y.** and Jiang, S. Effects of gentamycin administration on hearing of guinea pigs: I. DPOAE and ABR. *Collection of Presentations from PLA Healthcare workers*
4. **Shi, Y.**, Gu, R. and Yu, L. Evoked otoacoustic emissions in the diagnosis of retrocochlear pathologies. *Journal of Audiology and Speech Pathology* 1993; 1(1): 6
5. Martin, W.H., Schwegler, J.W., **Shi, Y-B.**, Pratt, H. and Adler, S. Developing an objective measurement tool for evaluating tinnitus: Spectral averaging. In: Reich, G.E. and Vernon, J.A. (Eds.): *Proceedings of the Fifth Intl. Tinnitus Seminar*, American Tinnitus Association, Portland, 1996, p 127-134.
6. Wang, L, **Shi, Y** and Chen, L. Resection of sellar neoplasms through septo-sphenoid approach: 76 cases. *Academic Journal of PLA Military Medical Postgraduate School* 1996; 17 (3): 172
7. **Shi, Y.**, Jiang, S., Gu, R., et al. Effects of short-term tone exposure on DPOAEs. *Chinese Journal of Otorhinolaryngology*. 1997; 32 (1): 41
8. **Shi, Y.**, Yang, W. Briefing On the 100<sup>th</sup> Annual meeting of American Academy of Otolaryngology, Head and Neck Surgery. *Chinese Journal Otorhinolaryngology*. 1997; 32 (1): 60
9. Yang, W., Fang, Y., Yang, S., Han, D., Huang, D., **Shi, Y.** and Wu, T. Diagnosis and management of Mondini malformation. *Chinese Journal Otorhinolaryngology*. 1997; 32 (1): 8
10. **Shi, Y.**, Pratt, H, Polyakov, A. Effects of interaural intensity and time disparity on transiently evoked otoacoustic emissions. *Hearing Research* 1997; 110:259
11. **Shi, Y.** and Martin, WH. ABR and DPOAE detection of cochlear damage by gentamicin. *Journal of Basic & Clinical Physiology and Pharmacology* 1997, 8 (3): 141
12. Pratt, H., **Shi, Y.** and Polyakov, A. Contralaterally evoked transient otoacoustic emissions. *Hearing Research* 1998; 115: 39
13. Martin, W.H., Folmer, R.L. and **Shi, Y.** Hidden Treasures. *Tinnitus Today* 1998; 23 (2):
14. Polyakov, A., Pratt, H., and **Shi, Y.** Evidence for efferent effects on early components of the human auditory brainstem evoked potentials. *Electroencephalography and Clinical Neurophysiology* 1998; 108: 543-553
15. Folmer, R.L., **Shi, Y.**, Edlefsen, L.L. Chronic tinnitus following electroconvulsive therapy. In: Hazell J. (Ed): *Proceedings of the Sixth International Tinnitus Seminar*, The Tinnitus and Hyperacusis Centre, London, 1999, p 243-245.
16. **Shi, Y.** and Martin, W.H. Deep brain stimulation-a new treatment for tinnitus? In: Hazell J. (Ed): *Proceedings of the Sixth International Tinnitus Seminar*, The Tinnitus and Hyperacusis Centre, London, 1999, p 578-580.
17. Martin, W.H. and **Shi, Y.** Deep brain stimulation effects on hearing function and tinnitus In: Hazell J. (Ed): *Proceedings of the Sixth International Tinnitus Seminar*, The Tinnitus and Hyperacusis Centre, London, 1999, p 68-72.
18. **Shi, Y.** and Martin, W.H. Deep brain stimulation for tinnitus (Abstract). *Neurology* 2000, 54 (Suppl 3): A169
19. Folmer RL and **Shi Y.** Chronic tinnitus resulting from cerumen removal procedures. In: Patuzzi R. (Ed): *Proceedings, VIIth International Tinnitus Seminar*, Fremantle, Australia, 2002, p111-114
20. Martin WH, Folmer RL and **Shi Y.** Assistive tinnitus devices and delivery methods for a coustical therapy. In: Patuzzi R. (Ed): *Proceedings, VIIth International Tinnitus Seminar*, Fremantle, Australia, 2002, p182-185
21. Martin WH, Griest SE, Meikle MB, Folmer RL and **Shi Y.** Manifestations and effects of tinnitus: the Oregon Tinnitus Data Registry. In: Patuzzi R. (Ed): *Proceedings, VIIth International Tinnitus Seminar*, Fremantle, Australia, 2002, p292-294
22. **Shi Y.** Binette M. Martin WH. Pearson JM. Hart, R A. Electrical Stimulation for Intraoperative Evaluation of Thoracic Pedicle Screw Placement. *Spine*. 28(6):595-601, March 15, 2003
23. Folmer RL. **Shi Y.** Selective Serotonin Reuptake Inhibitor (SSRI) Use by Tinnitus Patients: Interaction Between Depression and Tinnitus Severity. *ENT J.* (in press)

## CHAPTERS

1. **Shi, Y.** Introduction to Otoacoustic Emissions. In Jiang, S. (Ed) *Advanced Otolaryngology*, Tianjin Press of Science and Technology, Tianjin, 1994.1
2. Martin, W.H., Schwegler, J.W., Gleeson, A.L., and **Shi, Y.** New techniques in hearing assessment. In Isaacson, G. (Ed.) *Otolaryngologic Clinics of North America*; Pediatric Otolaryngology. Vol 27, Number 3, W.B. Saunders, Philadelphia, 1994, p 487-509.
3. **Shi, Y.** and Zheng, J. Otoacoustic emissions. In Jiang, S. and Gu, R (Ed's) *Clinical Audiology*, Press of Beijing Medical University, Beijing, 1999, p 306-347

## PRESENTATIONS AT CONFERENCES

1. **Shi, Y.** Jiang, S. and Gu, R. Effects of vasodilator and anoxia on distortion product otoacoustic emissions. Presented at the Fifth National Congress of Otolaryngology, Yantai, August 1991
2. **Shi, Y.** and Jiang, S. Effects of moderate noise exposure on brain-stem responses and distortion product otoacoustic emissions from rabbits. Presented at the Fifth National Congress of Speech, Image, Communication and Signal Processing, Zhangjiajie, October 1991
3. **Shi, Y.** and Jiang, S. A Study on Distortion Product Otoacoustic Emissions from Rabbits. International Conference of Otolaryngology, Beijing, December 1991
4. Gu, R., **Shi, Y.**, et al. Prevention and treatment of blast injury to the auditory organ. The 34<sup>th</sup> World Military Medical Conference, Beijing, November, 1996
5. Martin, W.H., **Shi, Y.**, Schwegler, J.W. and Adler, S.C. Effects of primary tone level difference on 2f1-f2 DPOAEs after exposure to moderate tones. Presented to the Assoc. for Research in Otolaryngology, St. Petersburg, FL, February, 1996
6. Martin, W.H., **Shi, Y.**, Schwegler, J.W. and Adler, S.C. Temporary, reversible lesion effects on DPOAE generation. Presented at the XV Biennial Symposium of the International Evoked Response Audiometry Study Meeting, Memphis, TN, June, 1997.
7. Martin, W.H., Schwegler, J.W., **Shi, Y.** and Pratt H. Auditory nerve activity as an indicator of tinnitus. Presented at the joint Jerusalem 1997 Congress: VI International Conference on Computerized and Quantitative EMG, The VII Alyn Symposium on Neuromuscular Diseases, and the Israel Society for Clinical Neurophysiology Meeting. Jerusalem, February, 1997.
8. **Shi, Y.** Tinnitus. Oregon Hearing Aid Society Meeting. Portland, July 6, 1999.
9. **Shi, Y.** and Martin, W.H. Effects of tonal exposure on 2f1-f2 DPOAE in human. Presented at the 23<sup>rd</sup> ARO Midwinter Research Meeting. St. Petersburg Beach, February, 2000.
10. Martin, W.H., Folmer, R.L. and **Shi, Y.** Comprehensive Tinnitus Care: A Multi-Disciplinary Approach. American Academy of Audiology Convention, Chicago, March 23, 2000.
11. Martin, W.H. and **Shi, Y.** Deep brain stimulation for the relief of tinnitus. Presented at the 23<sup>rd</sup> ARO Midwinter Research Meeting. St. Petersburg Beach, FL, February, 2000.
12. **Shi, Y.** and Martin, W.H. Deep brain stimulation for tinnitus. Presented at the 52<sup>nd</sup> Annual Meeting of American Academy of Neurology, San Diego, CA, April, 2000.
13. **Shi, Y.** and Martin, W.H. Electrical stimulation for evaluation of placement of thoracic pedicle screws. Presented at the 11<sup>th</sup> Annual Meeting of the American Society of Neurophysiological Monitoring, San Diego, CA, May, 2000.
14. **Shi, Y.** Tinnitus: Advances in Treatment and research. VA Tinnitus Support Group Meeting, Portland, June 6, 2000.
15. **Shi, Y.** and Martin, W.H. 2f1-f2 DPOAE phase change in response to primary tone level variation. Presented at the 24<sup>th</sup> ARO MidWinter Meeting, St. Petersburg Beach, FL, February, 2001
16. **Shi, Y.**, Ren, T and Martin, W.H. Effects of f2/f1 ratio and L1-L2 difference on 2f1-f2 DPOAE amplitude. Presented at the 25<sup>th</sup> ARO MidWinter Meeting, St. Petersburg Beach, FL, January, 2002

17. **Shi, Y.** Noise and Noise-Induced Auditory Disorders. 2002 Oregon Dental Conference, Portland, April 12, 2002
18. **Shi, Y.** Medical Management of Tinnitus Patients. Semi-Annual Meeting of Oregon Academy of Audiology. Portland, September 14, 2002.
19. **Shi, Y.** and Folmer RL. Advances in Tinnitus Management. The AAO-HNSF Annual Meeting, San Diego, September 22, 2002.
20. **Shi, Y.** Advances in Tinnitus Treatment and Research. Lowestin Group, SHHH Meeting. Lake Oswego, January 14, 2003
21. Martin, W.H., Folmer, R.L., Thraves, L., **Shi, Y-B.** Practical devices and tools for tinnitus management. Presented to the American Academy of Audiology, San Antonio, April, 2003.
22. Martin, W.H., Folmer, R.L., **Shi, Y-B.** OHSU Tinnitus Clinic management strategy. Presented to the American Academy of Audiology, San Antonio, April, 2003.
23. **Shi, Y.**, Ren, T and Martin, W.H. Effects of f2/f1 ratio and L1-L2 difference on 2f1-f2 DPOAE amplitude and phase. Presented at the 26<sup>th</sup> ARO MidWinter Meeting, Datona Beach, FL, February, 2003
24. **Shi, Y.**. Tinnitus and Acoustic Neuroma. Acoustic Neuroma Association Support Group Meeting, Portland, December, 2003
25. **Shi, Y.** and Martin, W.H. Spontaneous Otoacoustic Emissions in Tinnitus Patients. Presented at the 27<sup>th</sup> ARO MidWinter Meeting, Datona Beach, FL, February, 2003