

## CURRICULUM VITAE

### PERSONAL INFORMATION

Name John Thomas McElveen, Jr., M.D.  
Business Address **Carolina Ear and Hearing Clinic, P.C.**  
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Raleigh, North Carolina 27612-4220  
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E-mail Address mcelveen-mail@carolinaear.us  
Date of Birth December 17, 1951  
Place of Birth Columbia, South Carolina  
Citizenship U.S.A.  
Marital Status Married, Christa McClary McElveen

### EDUCATION

High School Bellevue High School, Bellevue, NE,  
Graduation, 1970.  
College Davidson College, Davidson, NC (1970-1974),  
B.S. (Biology), 1974.  
Medical School University of North Carolina, Chapel Hill, NC,  
1974-1978. M.D., 1978.  
Internship University of Utah Medical Center, Salt Lake  
City, UT, 1978-1979.  
Otolaryngology Residency Stanford Medical Center, Stanford, CA,  
1979-1982.  
Post-Residency Fellowships:  
Research Fellowship in House Ear Institute, Los Angeles, CA,  
Otology & Neurotology July-December, 1982.  
Clinical Fellowship in House Ear Clinic, Inc., Los Angeles, CA,  
Otology & Neurotology January-December, 1983.

### LICENSURE INFORMATION

State Licenses: North Carolina, 30769, 1986 - present  
California, A34668, 1979 - present  
South Carolina, TL28531 2005 - present

DEA: North Carolina AM9017357  
South Carolina FM0107436

### Board Certification:

American Board of Otolaryngology April 3, 1984  
The American Board of Otolaryngology-Neurotology June 1, 2005-June 30, 2015

## **PROFESSIONAL EXPERIENCE**

1983-1987 Associate of House Ear Clinic, Inc., & House Ear Institute, Los Angeles, CA

1987-1993 Director of Otology and Neurotology, Duke University Medical Center, Durham, NC

2000-2009 Consultant Professor, Department of Surgery, Division of Otolaryngology, Duke University Medical Center, Durham, NC

1993-Present President of Carolina Ear and Hearing Clinic & Director of Carolina Ear Research Institute, Raleigh, NC

## **HONORS AND AWARDS**

### Davidson College:

Vice-President of Debate Team.  
Member of Honorary Speech and Debate Society  
Editor of Literary Magazine.  
Member of Honorary Pre-med Society.

### UNC-Chapel Hill Medical School:

Lowder Memorial Scholarship, 1976-1977 & 1977-1978.  
Residents' Teaching Award, USC Department of Otolaryngology, Los Angeles, 1986.  
Certificate of Honor,  
American Academy of Otolaryngology Head and Neck Surgery,  
1990.  
Clinical Faculty Teacher of the Year Award,  
Wake Medical Center Otolaryngology Service,  
1996.  
Outstanding Service to Mankind Award  
(Sertoma International),  
1998.  
Clinical Faculty Teacher of the Year Award,  
Wake Medical Center Otolaryngology Service,  
1999.

## **PROFESSIONAL BACKGROUND**

**Hospital Appointments:** Rex Healthcare, Wake Medical Center, Duke Health Raleigh Hospital, Asheville VA Hospital, Duke University Medical Center, Greenville Memorial Hospital (SC)

**Former Academic Appointments:** Clinical Assistant Professor, Department of Otolaryngology, USC School of Medicine; Clinical Assistant Professor, USC School of Dentistry; Director of Otology/Neurotology, Department of Surgery, Division of Otolaryngology, Duke University Medical Center

## **OFFICIAL POSITIONS & EDITORIAL PANELS**

President of Alumni Fellowship Group of the House Ear Institute (1992)

President of NC/SC Otolaryngology Society (1997-1998)

Otology and Neurotology Editorial Review Panel for *Otolaryngology - Head and Neck Surgery*

Otology and Neurotology Editorial Review Panel for *American Journal of Otology*

Program Advisory Committee, American Academy of Otolaryngology / Head and Neck Surgery

Instructor for Instructional Courses at the American Academy of Otolaryngology / Head and Neck Surgery

Member of North Carolina Hearing Aid Dealers and Fitters Licensing Board - Continuing Education Committee (Appointed for years 2000-June 30, 2003)

Former Chairman of the American Neurotology Society Continuing Medical Education Committee

Executive Council of the American Neurotology Society

## **SOCIETY MEMBERSHIPS**

American Otologic Society

American Neurotology Society

Triologic Society

North American Skull Base Society

North Carolina Medical Society

Wake County Medical Society

North Carolina Society of Otolaryngology and Maxillofacial Surgery

Alumni Fellowship Group of the House Ear Institute

## **FELLOW**

American Academy of Otolaryngology - Head and Neck Surgery

American Neurotology Society

American Otologic Society

American Triologic Society

## **RESEARCH EXPERIENCE**

- Summer 1970: Set up cytogenetics lab of Dr. Ray Antley in Indianapolis, Indiana.  
Prenatal determination of Down's Syndrome via Tissue Culture
- Summer 1971: Continued to work with Dr. Antley attempting to shorten the incubation time for tissue cultures by using Dilantin Sodium
- Summer 1973: Developed modification of Bodian stain and determined structure of Central Nervous System in *Nephila Clavipes* spider under supervision of Dr. Donald Kimmel
- October-December, 1981: Using photonic sensor measured the change in tympanic membrane vibration following mastoid cavity alterations
- July-December, 1982: Studied vasculature of endolymphatic sac; histologic study of traumatic neuromas; anatomical study of human cochlear nucleus
- January, 1983-1987: Studied the cochlear nuclear complex and the surgical accessibility of cochlear nuclear complex for electrical stimulation with implant
- 1987-1993: Fluorochrome Labeling of Cochlear Bone Growth; Modifying the Translabyrinthine Approach to Preserve Hearing During Acoustic Tumor Surgery; Evaluation of Implantable Bone Conduction Hearing Device in Patients with Unilateral Sensorineural Hearing Loss
- 1993-present: Development of reversible canal wall down mastoidectomy; application of bone cement in otologic surgery; development of totally implantable cochlear amplifier for the treatment of sensorineural hearing loss.
- August 2009-present: Investigator in Wake Research Associates' Tinnitus Study

## **PUBLICATIONS**

1. McElveen JT Jr, Fee WE Jr: Inverting papilloma of the sphenoid sinus. *Oto-laryngol Head Neck Surg.* 1981 Sep-Oct;89(5):710-2.
2. McElveen JT Jr, Goode RL, Miller C, Falk SA: Effect of mastoid cavity modification on middle ear sound transmission. *Ann Otol Rhinol Laryngol.* 1982 Sep-Oct;91(5 Pt 1):526-32.
3. Smith MF, McElveen JT Jr: Lyophilized partial ossicular replacement allografts. *Ann Otol Rhinol Laryngol.* 1982 Sep-Oct;91(5 Pt 1):538-40.
4. House JW, McElveen JT Jr, Hitselberger WE, Brakmann DE: Vestibular nerve section through the retrolabyrinthine approach. *Trans Pac Coast Oto-Ophthalmol Soc.* 1983 64:129-34.
5. House JW, Hitselberger WE, McElveen JT Jr, Brackmann DE: Retrolabyrinthine section of the vestibular nerve. *Otolaryngol Head Neck Surg.* 1984 Apr;92(2):212-5.
6. McElveen JT Jr, House JW, Hitselberger WE, Brackmann DE: Retrolabyrinthine vestibular nerve section: a viable alternative to the middle fossa approach. *Otolaryngol Head Neck Surg.* 1984 Apr;92(2):136-40.
7. De la Cruz A, McElveen JT Jr: Hearing preservation in vestibular neurectomy. *Laryngoscope.* 1984 Jul;94(7):874-7.
8. McElveen JT Jr, Hitselberger WE, House WF, Mobley JP, Terr LI: Electrical stimulation of the cochlear nucleus in man. *Am J Otol.* 1985 Nov; Suppl:88-91.
9. Lo WW, Solti-Bohman LG, McElveen JT Jr: Aberrant internal carotid artery: radiologic diagnosis with emphasis on high resolution computed tomography. *Radiographics.* 1985 Nov;5(6):985-93.
10. McElveen JT Jr, Lo WWM, El Gabri TH, Negri P: Aberrant internal carotid artery: classic findings on computed tomography. *Otolaryngol Head Neck Surg.* 1986 Jun;94(5):616-21.

### **PUBLICATIONS CONTINUED**

11. McElveen JT Jr, Hitselberger WE, House WF: Surgical accessibility of the cochlear nuclear complex in man: surgical landmarks. *Otolaryngol Head Neck Surg.* 1987 Feb;96(2):135-40.
12. Monsell EM, McElveen JT Jr, Hitselberger WE, House WF: Surgical approaches to the human cochlear nuclear complex. *Am J Otol.* 1987 Sep;8(5):450-5.
13. McElveen JT Jr, Brackmann DE, Hitselberger WE: Vestibular nerve section in patients with chronic otitis media. *Am J Otol.* 1987 Nov;8(6):511-5.
14. McElveen JT Jr, Shelton C, Hitselberger WE, Brackmann DE: Retrolabyrinthine vestibular neurectomy: a reevaluation. *Laryngoscope.* 98, May, 1988, pp.502.
15. Shih L, McElveen JT Jr, Linthicum FH Jr: Management of vertigo in patients with syphilis: is endolymphatic shunt surgery appropriate? *Otolaryngol Head Neck Surg.* 1988 Dec;99(6):574-7.
16. McElveen JT Jr, Hitselberger WE: The neural dissector. *Otolaryngol Head Neck Surg.* 1989 Oct;101(4):513.
17. McElveen JT Jr, Saunders JE, Meisler WJ, Grist TM, Boyko OB: Magnetic resonance angiography: technique and skull-base applications. *Am J Otol.* 1991 Sep;12(5):323-8.
18. McElveen JT Jr, Wilkins RH, Erwin AC, Wolford RD: Modifying the translabyrinthine approach to preserve hearing during acoustic tumor surgery. *J Laryngol Otol.* 1991 Jan;105(1):34-7.
19. Dyer R Kent, McElveen JT Jr: The patulous eustachian tube: management options. *Otolaryngol. Head Neck Surg.* 1991 Dec;105(6):832-5.
20. Saunders JE, Swartler JA, Wolf HK, Brackmann DE, McElveen JT Jr: Lipomas of the internal auditory canal. *Laryngoscope.* 1991 Oct;101(10):1031-37.
21. Molter DW, McElveen JT Jr: Benign paroxysmal positional vertigo: treatment options, current surgery. 1991 Dec:645-50.
22. Saunders JE, Emmanuel J, McElveen JT Jr: Triple fluorochrome labeling of cochlear bone growth. *Hear Res.* 1992 Jan;57(2):276-80.
23. Saunders JE, Emmanuel J, McElveen JT Jr: Reconstruction of the radical mastoid. *Am J Otol.* 1992 Sep;13(5):465-9.
24. Weber BA, Roush J, McElveen JT Jr: Application of an implantable bone conduction hearing device to patients with unilateral sensorineural hearing loss. *Laryngoscope.* 1992 May;102(5):538-42.
25. McElveen JT Jr, Saunders, JE: The "Supercut" diamond bur. *Otolaryngol Head Neck Surg.* 1992 Sep;107(3):488-90.
26. Saunders JE, Shoemaker DL, McElveen JT Jr., Reconstruction of the radical mastoid. *Am J Otol.* 1992 Sep; 13(5):456-9.
27. Molter DW, Pate BR Jr, McElveen JT Jr: Cochlear implantation in the congenitally malformed ear. *Otolaryngol Head Neck Surg.* 1993 Feb;108(2):174-7.
28. Mc Elveen JT Jr, Wilkins RH, Molter DW, Erwin AC, Wolford RD: Hearing preservation using the modified translabyrinthine approach. *Otolaryngol Head Neck Surg.* 1993 Jun;108(6):671-9.
29. Moffat DA, Saunders JE, McElveen JT Jr, McFerran D: Unusual cerebellopontine angle tumors. *J Laryngol Otol.* 1993 Dec;107(12):1087-98.
30. McElveen JT Jr: Ossiculoplasty with polymaleinate ionomeric prosthesis. *Otolaryngol Clin North Am.* 1994 Aug;27(4):777-84.
31. Saunders JE, Molter DW, McElveen JT Jr: Cochlear implant-related osteoneogenesis in an animal model: fluorescent labeling. *Am J Otol.* 1994 Sep;15(5):606-10.

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32. McElveen JT Jr, Wolford RD Jr, Miiyamoto RT: Implications of bone pate in cochlear implant surgery. *Otolaryngol Head Neck Surg.* 1995 Mar;112(3):457-60.
33. McElveen JT Jr, Feghali JG, Barrs DM, Shelton C., Green JD Jr, Horn KL, McKenna MJ, Thedinger BS, Wilson DF, Chen DA, et al: Ossiculoplasty with polymaleinate ionomeric prosthesis. *Otolaryngol Head Neck Surg.* 1995 Oct;113(4):420-26.
34. Janicki P, Adams JS, McElveen JT Jr: Plasma cell granuloma of the temporal bone. *Am J Otol.* 1996 Jan;17(1):123-6.
35. McElveen JT Jr, Carrasco V, Miyamoto R, Linthicum,F: Cochlear implantation in common cavity malformations using a transmastoid labyrinthotomy approach. *Laryngoscope.* 1997 Aug;107(8):1032-6. Review.
36. McElveen JT Jr: Stapedotomy: Modifying the standard technique; operative techniques in otolaryngology. *Otolaryngol Head Neck Surg.* 1998 9(1):64-66.
37. McElveen JT Jr: Repair of incus necrosis with bone cement; operative techniques in otolaryngology. *Otolaryngol Head Neck Surg.* 1998 9(2):94-97.
38. Feghali JG, Barrs DM, Beatty CW, Chen DA, Green, JD Jr, Krueger WW, Shelton C, Slattery WH 3<sup>rd</sup>, Thedinger BS, Wilson DF, McElveen JT Jr: Bone cement reconstruction of the ossicular chain: a preliminary report. *Laryngoscope.* 1998 Jun;108(6):829-36.
39. McElveen JT Jr, Hulka GF: Reversible canal wall down tympanomastoidectomy. An alternative to intact canal wall and canal wall down mastoidectomy procedures. *Am J Otol.* 1998 Jul;19(4):415-9.
40. Hulka GF, McElveen JT Jr: A randomized, blinded study of canal wall up versus canal wall down mastoidectomy determining the differences in viewing middle ear anatomy and pathology. *Am J Otol.* 1998 Sep;19(5):574-8.
41. Lawson DT, Wilson BS, Zerbi M, van den Honert C, Finley CC, Farmer JC Jr, McElveen JT Jr, Roush PA: Bilateral cochlear implants controlled by a single speech processor. *Am J Otol.* 1998 Nov;19(6):758-61.
42. McElveen JT Jr, Belmonte RG, Fukushima T, Bullard DE: A Review of Facial Nerve Outcome in 100 Consecutive Cases of Acoustic Tumor Surgery. *Laryngoscope* 2000, Oct; 110:1667-1672.
43. Zenner HP, Leysieffer H, Maassen M, Lehner R, Lenarz T, Baumann J, Keiner S, Plinkert PK, McElveen JT Jr.: Human studies of a piezoelectric transducer and a microphone for a totally implantable electronic hearing device. *Am J Otol.* 2000, Mar; 21(2):196-204.
44. Li G, Feghali JG, Dinces E, McElveen JT Jr., van de Water, TR: Evaluation of esterified hyaluronic acid as middle ear-packing material. *Archives of Otol—HNS.* 2001, May; 127(5):534-9.
45. Barrs DM, Fukushima T, McElveen JT Jr.: Digital camera documentation system for facial nerve outcome assessment. *Otology & Neurotology.* 2001, Nov; 22(6):928-30.
46. McElveen JT Jr., Dorfman BE, Fukushima T: Petroclival tumors: a synthesis. *Otol Clinics of N Am.* 2001, Dec; 34(6): 1219-30.
47. Barrs DM, Keyser JS, Stallworth C, McElveen JT Jr.: Intratympanic steroid injections for intractable Meniere's disease. *Laryngoscope.* 2001, Dec; 111(12):2100-4.
48. Moriyama T, Fukushima T, Asaoka K, Roche PH, Barrs DM, McElveen JT Jr.: Hearing preservation in acoustic neuroma surgery: importance of adhesion between the cochlear nerve and the tumor. *Journal of Neurosurgery.* 2002, Aug; 97(2):337-40.
49. Asaoka K, Barrs DM, Sampson JH, McElveen JT Jr., Tucci DL, Fukushima T: Intracanalicular meningioma mimicking vestibular schwannoma. *Am J of Neuroradiology.* 2002, Oct; 23(9):1493-6.

### **PUBLICATIONS CONTINUED**

50. Krueger WW, Feghali JG, Shelton C, Green JD, Beatty CW, Wilson DF, Thedinger BS, Barrs DM, McElveen JT Jr.: Preliminary ossiculoplasty results using the Kurz titanium prostheses. *Otology & Neurotology*. 2002, Nov; 23(6):836-9.
51. McElveen, JT, Jr., Chung, TA: Reversible Canal Wall Down Mastoidectomy for Acquired Cholesteatomas: Preliminary Results. *Laryngoscope*. 2003, June, 113:1027-1033.
52. Angeli S, Connell S, Gibson B, Ozdek A, McElveen JT Jr, Van De Water TR: Injectable Form of Cross-Linked Hyaluronan Is Effective For Middle Ear Wound Healing. *Ann Otol Rhinol Laryngol*. 2007 Sep; 116(9):667-73.
53. Yoshida N, Cunningham CD 3<sup>rd</sup>, McElveen JT Jr.: External Auditory Canal Closure: An Alternative Management For The Refractory Chronically Draining Ear. *Otolaryngol Head Neck Surg* 2007 Nov;137(5):766-71.
54. McElveen JT Jr, Cunningham CD III: Cochlear Implantation in the Congenitally Malformed Ear. *Operative Techniques in Otolaryngology – Head and Neck Surgery* 2010 Dec; 21(4):243-247.
55. McElveen JT Jr, Blackburn EL, Green JD, McLearn PW, Thimsen DJ, Wilson BS: Remote Programming of Cochlear Implants: A Telecommunications Model. *Otol Neurotol* 2010 Sep;31(7):1035-40.
56. Sameshima T, Fukushima T, McElveen JT Jr, Friedman AH: Critical assessment of operative approaches for hearing preservation in small acoustic neuroma surgery: retrosigmoid vs middle fossa approach. *Neurosurgery* 2010 Sep;67(3):640-4; discussion 644-5.

### **BOOK CHAPTERS**

1. Smith MFW, McElveen JT Jr: Reconstruction of the Sound-Conducting Mechanism. *Otolaryngology Head and Neck Surgery*, Vol. 1, Cummings 1986, The C.V. Mosby Company, St Louis, MO
2. Smith MFW, McElveen JT Jr: Reconstruction of the Sound-Conducting Mechanism, Alberti, *Otologic Medicine and Surgery*, Churchill Livingstone, 1988, New York, NY
3. House WF, Hitselberger WE, McElveen JT Jr, Shelton C: The Middle Cranial Fossa Approach to Lesions of the Temporal Bone and Cerebellopontine Angle, *Neurosurgery Update*, 1990, Wilkins, McGraw-Hill, Inc., New York, NY
4. McElveen JT Jr: The Translabyrinthine Approach to Cerebellopontine Angle Tumors, *Neurosurgery Update*, 1990. Wilkins, McGraw-Hill, Inc., New York, NY
5. McElveen JT Jr: Vestibular Nerve Sectioning for Meniere's Syndrome, *Neurosurgery Update*, 1990. Wilkins, McGraw-Hill, Inc., New York, NY
6. McElveen JT Jr, Magit AE: Labyrinthectomy: Indications and Techniques, *Neurosurgery Update*, 1990. Wilkins, McGraw-Hill, Inc., New York, NY
7. McElveen JT Jr: Tympanoplasty, *Operative Challenges in Otolaryngology Head and Neck Surgery*, 1990. Pillsbury, Year Book Medical Publishers, Inc. Chicago, IL
8. McElveen JT Jr, Magit AE: Destructive Procedures for Vertigo, *Operative Challenges in Otolaryngology Head and Neck Surgery*, 1990. Pillsbury, Year Book Medical Publishers, Inc., Chicago, IL.
9. House WF, Hitselberger WE, McElveen JT Jr, Shelton, C: The Middle Cranial Fossa Approach to the Temporal Bone and Cerebellopontine Angle, *Neurosurgery, Second Edition*, 1994. Wilkins, Rengachary, McGraw-Hill, Inc., New York, NY.

10. McElveen JT Jr: Translabyrinthine Removal of Acoustic Neuromas, Neurosurgical Operative Atlas, Vol. 4, No. 2, 1995. The American Association of Neurological Surgeons.
11. McElveen JT Jr, Cunningham CD III, Sheehy JL: Ossicular Reconstruction, Otologic Surgery, 3<sup>rd</sup> Edition, Brackmann, Shelton, Arriaga, 2010. Saunders Elsevier, Philadelphia PA.

**BOOKS**

Associate editor, Neurological Surgery of the Ear, Smith MFW, McElveen JT Jr, Mosby Year Book, Inc. 1992.