

Curriculum Vitae - Kevin Kavanagh, MS, MD

3396 Woodhaven Dr., Somerset, KY 42503

Education

High School: Fort Le Boeuf High School, Waterford, PA. 1968-1972.

Undergraduate: University of Nevada at Reno, Reno, Nevada, 1972 - 1975, BS awarded in 1975. (Note: Dr Kavanagh started medical school at the age of 19, after 2 years of college and was awarded a BS degree during his second year of medical school.)

Graduate/Medical School:

1. University of Nevada at Reno, Reno, Nevada, 1974 - 1976.
2. University of New York at Buffalo, New York, 1976 - 1978, Award MD
3. University of Iowa, Iowa City, Iowa, 1980 - 1983, Awarded MS.

Internship: General Surgery, Gundersen Clinic, LaCrosse, Wisconsin 1978-1979.

Residency: Department of Otolaryngology - Head and Neck Surgery, University of Iowa Hospitals, Iowa City, Iowa. 1979-1983.

University Appointments

1. Assistant Professor, Department of Otolaryngology, University of Tennessee, Memphis, 1983 to 1987.
2. Associate Professor, Department of Otolaryngology, University of Tennessee, Memphis, 1987 to 1989.
3. Tenured Associate Professor, Department of Otolaryngology, University of Tennessee, Memphis, 1989 to 1992.
4. Associate Clinical Professor, Department of Surgery, Division of Otolaryngology, University of Kentucky, Lexington, 1993.

Awards & Honors

1. 1970 Eagle Scout, Vigil Honor Order of the Arrow.
2. 1975 Graduated with highest distinction from the University of Nevada - Reno.
3. 1983 State Appreciation Award for Service to Iowa Lions --Awarded by Iowa Lions State Organization for the development of the Iowa Lions Hearing Program.
4. 1992 Certificate of Appreciation. In recognition for outstanding, dedicated service. To the citizens of Memphis and Shelby County, Tennessee. Presented by the Memphis and Shelby County Health Department.
5. 1994 Service To Mankind Award by the Sertoma Club, Somerset, KY.
6. 1994 Honor Award--American Academy of Otolaryngology, San Diego, Sept., 1994.
7. 1997 Kentucky State Recognition Award for Tobacco Education Program from the Kentucky American Cancer Society.
8. 2005 Miami, FL: US SAILING's Sail Training Service and Support Award The Sail Training Service and Support Award in honor of Virginia Long would honor individuals who, through their efforts, unselfishly assist and enable a sailing program or sailing instruction in a supportive role.

Board Certification

1. National Board of Medical Examiners (#192409), July 2, 1979
2. American Board of Otolaryngology - Head and Neck Surgery, October 25, 1983

Society Membership & Journal Affiliations

1. Software Review and Computer Applications Editor for "The Annals of Otolaryngology, Rhinology and Laryngology." Jan 1991 to June 2004.
 2. Fellow of the Triologic Society.
 3. Fellow of the American College of Surgeons.
 4. Fellow of the American Academy of Otolaryngology – Head and Neck Surgery.
- Member of the Socioeconomic and Grassroots Committee for the Board of Governors of the AAO-HNS 2009 to present.
5. American Medical Association & Kentucky Medical Association.

Websites Written and Developed by Dr. Kavanagh

Medical Websites:

www.entusa.com This website contains approximately 500 pages, 500 pictures and 90 videos of information on allergy, ear, nose and throat www.healthwatchusa.org Healthcare transparency and patient advocacy website.

www.waent.org The World Articles in Ear, Nose and Throat. An online multimedia journal in Otolaryngology.

www.healthwatchusa.org Health Watch USA a 501C3 organization designed to promote healthcare transparency and patient advocacy.

www.occupationalhearingloss.com This website lets the physician use 11 Online JavaScript calculators to evaluate audiometric data, calculate hearing handicaps and estimate future hearing thresholds.

--This site is the basis of Research Publication #40.

www.ear-anatomy.com This website presents 60 temporal bone slides that were scanned at 2500 pixels per inch. Each section is presented in three sizes up to 30 by 40 inches. Anatomical diagrams aid in the identification of temporal bone structures. --This site is the basis of Research Publication #41.

www.tobaccofacts.info This website presents the dangers of tobacco use and ways to quit smoking.

www.cme-usa.org Physicians can earn CME credits by reviewing the medical information on www.entusa.com and taking an online test. Tests are graded online and if passed the results are forwarded to the University of Kentucky. This was the first Otolaryngology Online CME course.

www.handstable.com Instrumentarium, Inc. website. Distributors of microsurgical instruments, including the Kavanagh "Hand Stable" Instruments.

Marine Websites:

Sailing Educational Websites – Initial site was donated to US SAILING on 12/16/2002

www.sailingcourse.com , www.sailingusa.info , www.cruising.sailingcourse.com ,
www.uspowerboating.com

Community Activities

1. Member of Kentucky Board of Speech-Language Pathology and Audiology, Dec. 1, 2004 to Present.
2. Member of the following US SAILING National Committees:
 - a. Training Committee. March 2002 to Present --Vice Chairman for distance learning Jan 2005 to Present
 - b. National Faculty. November 2002 to Present
 - c. Information Technology Task Force July 2003 to Present (Note: US SAILING is the national governing body for the sport of sailing. US SAILING is responsible for the selection of the Olympic Team, the Paralympic Games Team, the Pan American Games and World University Games Teams, and the annually designated US SAILING Team, US Disabled Team, and US Youth Team.)
3. District Chairman, Lake Cumberland District, Blue Grass Council, Boy Scouts of America Feb, 1998 to Feb. 2000.
4. President: American Cancer Society, Pulaski County Chapter. 1995-97.
5. Tobacco Education Chairman: American Cancer Society, Pulaski County, 1994-95.
6. Member of the Board of Directors for the Oral School for the Deaf, 1986-1989. 9. West Tennessee Lions Speech and Hearing Chairman (District 12-L), 1984 - 1989.

PRODUCTS PRODUCED

1. Delta Project Patient Management and Billing System (2300K) Relational Data Base Template for the Macintosh Computer--Written in Omnis 3 and Upgraded to Omnis 5 and Omnis 7.

--Omnis 3 version reviewed by JAMA. 263:1717-1718,1990.
--Omnis 5 version reviewed by Medical Software Reviews. 1:7-9,1992.
Rated: 4.5/5.0. (Note: This software package is no longer available.)
2. Delta Hearing Handicap and Presbycusis Software (70K--Omnis 5) Relational Database Template for the Macintosh Computer-- Completed 12/28/90.
-- Journal of the American Medical Association (JAMA). 266:3488,1991. A Negative Review.

Rebuttal letter to the editor. JAMA. 267:2738,1992. Authors of the review were shown the rebuttal and declined to respond.

-- Medical Software Reviews. 1(6):5,1992. Rated: 4.25/5.0.

-- Computer Users in Speech and Hearing (CUSH). 7:363-366,1991. Rated: 3.6/4.0.

-- American Speech and Hearing Association (ASHA). Dec 1992. Rated: Excellent. (Note: This software package is no longer available. A more expanded online calculator can be found at

Submitted and Awarded The Following Grants

1. 1981 - 82 Private: \$27,600 from Iowa Lions Sight and Hearing Foundation; awarded to temporal bone bank, cochlear implant program and to the purchase of a Nicolet Pathfinder II.
2. Private: \$30,000 from the Lions Clubs International Foundation towards the cochlear implant program.
3. 1982-83 Private: \$30,000 from the Lions Clubs of Iowa for cochlear implant research.

Principal Investigator for the Following Grants

1. Federal: \$29,891 Teaching grant in pediatric otolaryngology from Maternal and Child Health.
2. 1986-87 Federal: \$100,000 Maternal and Child Health Grant for a tri-state pediatric speech and hearing program. MCJ-473808
3. Federal: \$15,000 Maternal and Child Health Grant for development of a patient management system on a relational database for the Macintosh.
4. 1987-88 Federal: \$100,000 Maternal and Child Health Grant for a tri-state pediatric speech and hearing program. MCJ-473808
5. Federal: \$36,616 Maternal and Child Health supplement for further development of a case management computer system.
6. 1988-89 Federal: \$136,616 Maternal and Child Health grant for a tri-state pediatric speech and hearing program. MCJ-473808
7. Federal: \$6,500 Maternal and Child Health supplement for indigent health care delivery conference.
8. 1990-1991 Federal: \$10,000 Maternal and Child Health supplement for indigent health care delivery.
9. 1991-1992 Federal: \$15,000 Maternal and Child Health supplement for Conference for the Poor and Uninsured. MCJ-479158-02.
10. 1992-1996 Federal (Accepted but not funded): \$824,091 Applying Image-Directed Robotics to Otologic Surgery - National Institute of Health.

Outside Federal Grants Reviewed

1. Field Initiated Project. Biomedical Operations and Research Office of NASA/John F. Kennedy Space Center, Florida, for the American Institute of Biological Sciences. Nov. 1988.
2. Grant review board for Special Projects of Regional and National Significance, Office of Maternal and Child Health. Rockville, MD, May 7-9, 1989.
3. Grant Proposal: Field Initiated Project. Office of Maternal and Child Health. Rockville, MD, Feb 8, 1991.
4. Grant Proposal: Field Initiated Project. Bureau of Maternal and Child Health. Rockville, MD, Aug, 1992.
5. Grant Proposal: Field Initiated Project. Bureau of Maternal and Child Health. Rockville, MD, Nov, 1992.
6. Grant Proposal: Field Initiated Project. Bureau of Maternal and Child Health. Rockville, MD, Aug, 1993.

PUBLICATIONS--Reviewed Journals

1. Kavanagh KT and Beardsley JV: Brainstem auditory evoked response I. Basic principles and clinical applications in the assessment of patients with non-organic hearing loss. *Annals of Otology Rhinology and Laryngology*, 88:1-10,1979.
 2. Kavanagh KT and Beardsley JV: Brainstem auditory evoked response II. Clinical applications in the assessment of patients with organic hearing loss. *Annals of Otology Rhinology and Laryngology*, 88:11-21, 1979.
 3. Kavanagh KT and Beardsley JV: Brainstem auditory evoked response III. Clinical uses of bone conduction in the evaluation of otologic disease. *Annals of Otology Rhinology and Laryngology*, 88:22-28,1979.
- Publication Numbers 1 through 3 were reviewed by Bailey B, Editorial. Contempo '80: This is the decade that is. Otolaryngology, Journal of the American Medical Association. 6:2203-2204, 1980.*
4. Kavanagh KT and Panje WR: Neurogenic neoplasms of the seventh cranial nerve presenting as a parotid mass. *American Journal of Otolaryngology*, 3:53-56,1982.
 5. Kavanagh KT, and McCabe BF: Ototoxicity of oral neomycin and vancomycin. *Laryngoscope*, 93:469-653,1983.
 6. Kavanagh KT, Harker LA and Tyler RS: Auditory brainstem and middle latency response. I. Effects of response filtering and wave form identification. II Thresholds to a 500 Hz tone pip. *Annals of Otology Rhinology and Laryngology*, 93:2-12,1984.
 7. Babin RW and Kavanagh KT: Traumatic facial neuroma. *American Journal of Otology*, 5:365-367,1984.
 8. Babin RW and Kavanagh KT: Familial nasal acilia syndrome. *Southern Medical Journal*, 78(6):737-739, 1985.

9. Kavanagh KT, Salazar JE and Babin RW: Bone marrow expansion of the thyroid cartilage. A source of confusion with malignant invasion: A case report. *Journal of Computer Assisted Tomography*. 9:177-179, 1985.
10. Giltman L, Kavanagh KT, et. al: Extra-medullary hematopoiesis presenting as a middle ear mass. *American Journal of Otology*, 7:218-220, 1986.
11. Kavanagh KT, Giltman L and Babin RW: Erosive mucosal cyst of the temporal bone: A case report with review of the pathogenesis. *American Journal of Otology*, 7:270-274,1986.
12. Kavanagh KT and Domico WW: High pass digital filtration of the 40 Hz response and its relationship to the spectral content of the middle latency and 40 Hz response. *Ear and Hearing*, 7:93-99,1986.
13. Kavanagh KT and Cosby W: Shave excision and dermabrasion of midline angiofibroma in tuberous sclerosis. *Archives of Otolaryngology*, 112:886-888,1986.
14. Kavanagh KT, Kahane J and Kordan B: Risks and benefits of adenotonsillectomy for children with down syndrome. *American Journal of Mental Deficiency*, 91:22-29, 1986.
15. Kavanagh KT and Babin RW: Definitions and types of nystagmus and calculations. *Ear and Hearing*, 7:157-166,1986.
16. Kavanagh KT and Litovitz T: Miniature battery foreign bodies in the auditory and nasal cavities. *Journal of the American Medical Association*, 255:1470-1472,1986.
17. Domico WD and Kavanagh KT: Analog and zero phase-shift digital filtering of the auditory brainstem response waveform. *Ear and Hearing*, 7:377-382,1986.
18. Kavanagh KT and Domico WD: High pass digital and analog filtration of the middle latency response. *Ear and Hearing*, 8:101-109,1987.
19. Kavanagh KT, Domico WT, Crews P, and McCormick VA: A comparison of the intrasubject repeatability of the auditory brainstem and middle latency response elicited in young children. *Annals of Otology Rhinology and Laryngology*, 97:264-271,1988.
20. Kavanagh KT and Babin RW: Endoscopic surgical management for laryngomalacia: Case report and review of the literature. *Annals of Otology Rhinology and Laryngology*, 96:650-653,1987.
21. Kavanagh KT and Hinkle W: Reconstruction of the soft palate after jaw, tongue, neck dissection with subtotal palatotomy. *Laryngoscope*, 97:1461-1463,1987. Printer's Erratum: 98:247,1988.
22. Kavanagh KT and Beckford NS: Adenotonsillectomy in children. *Southern Medical Journal*, 81:505-511,1988.
23. Kavanagh KT, Domico WD, Franks R and Han JC: Digital filtration and spectral analysis of the low intensity ABR. *Ear and Hearing*, 9:43-47,1988.

24. Kavanagh KT and Franks R: Analog and digital filtration of the auditory brainstem response. *Annals of Otolaryngology and Laryngology*, 98:508-514,1988.
25. Kavanagh KT and Magill HL: Michel deformity: Common cavity inner ear deformity. *Pediatric Radiology*, 19:3434-345,1989.
26. Kavanagh KT, Gould H, McCormick V, and Franks R: Comparison to the repeatability of the MLR and ABR in mentally retarded subjects. *Ear and Hearing*, 10:124-130,1989.
27. Kavanagh KT and Clark S: Comparison of the mastoid to forehead and mastoid to vertex electrode arrays in the recording of auditory evoked potentials. *Ear and Hearing*, 10:259-261,1989.
28. Kavanagh KT, Smith T, Golden G, Tate N, and Hinkle W: Promotion of patient appointment compliance in indigent pediatric medical care using a microcomputer. *Annals of Otolaryngology and Laryngology*, 98:755-760,1989.
29. Kavanagh KT, Smith T, Golden G, Tate N, and Hinkle W: Multivariate analysis of patient risk factors in predicting patient medical appointment attendance. *Journal of Health and Social Policy*, 2:85-102,1991.
30. Kavanagh KT, Tate NP: Models to promote medical health care delivery for indigent families: Computerized tracking to case management. *Journal of Health and Social Policy*, 2:21-34,1990
31. (Editorial) Kavanagh KT and Tate NP: Indigent medical care: Current challenges and solutions. *Journal of Health and Social Policy*, 2:1-7,1990
32. Kavanagh KT, Hughes W, Parham D and Chanin LR: Fungal sinusitis in immunocompromised pediatric patients with neoplasms. *Annals of Otolaryngology and Laryngology*, 100:331-336,1991.
Publication Number 32 was reviewed by Bailey B, Editorial. Contempo '92. Otolaryngology--Head and Neck Surgery, Journal of the American Medical Association. 268:395-397,1992.
33. Kavanagh KT: Evaluation of patients with suspected occupational hearing loss. *Journal of the American Academy of Audiology*. 3:215-220,1992
34. Kavanagh KT and Beckford NS: Airway obstruction in the mentally handicapped: Case report of a 18 year old patient with laryngomalacia. *Southern Medical Journal*, 85:779-781,1991.
35. (Editorial) Kavanagh KT. Moving into the 21st century: Computer applications and software review section in the annals. *Annals of Otolaryngology and Laryngology*, 100:876,1991.
36. Fontanesi JF, Beckford NS, Lester E, Kavanagh KT, Tai D, Eddy T and Kun L. Concomitant cisplatin and hyperfractionated external beam irradiation for advanced malignancy of the head and neck. *American Journal of Surgery*. 162:393-396,1992.

37. Kavanagh KT, Maijib AG and Brown JR. Passive exposure to cocaine in medical personnel and its effect on urine drug screening tests. *Otolaryngology --Head and Neck Surgery*. 107:363-369,1992. PMID: 1408218
38. Kavanagh KT. Triologic Thesis: Applications of Image Directed Robotics in Otolaryngologic Surgery. *Laryngoscope*. 104:283-293,1994. PMID: 8127184
39. (Editorial) Kavanagh KT and Hinkle W. National health care reform: Choice Opportunities. *Journal of Health and Social Policy*. 6(1):1-12 1994 PMID: 10140435
40. Kavanagh KT. Evaluation of Hearing Handicaps and Presbycusis using World-Wide-Web Based Calculators. *Journal of the American Academy of Audiology*. 12:497-505,2001. PMID: 11791936
41. Kavanagh KT. World Wide Web-based temporal bone anatomical sections. *Otolaryngology - Head and Neck Surgery*. 126(5):573-577 2002. PMID: 12075233
42. Kavanagh KT. Distribution of World Wide Medical Research Articles on the World Wide Web. *Journal of Health and Social Policy* 16(3):1-5, 2003 PMID: 12877244
43. Kavanagh KT Healthcare in the United States at a Crossroads - Transparency Must be Part of the Solution - Accepted *Journal of Health and Social Policy* – March 2009
44. Kavanagh KY The Certificate of Need: An Outdated Concept in Need of Reexamination. Accepted *Journal of Health and Social Policy* – March 2009

Book Chapters and Reviews

1. Kavanagh KT: The Macintosh. In: *Computers in Medicine*, American Academy of Otolaryngology-Head and Neck Surgery, Ed. Keith Clark. Washington D.C. March 1989.
2. Kavanagh KT: Computerized patient management and medical billing. In: *Office Management*, Ed. John Foust. American Academy of Otolaryngology-Head and Neck Surgery, Washington, D.C. April 1990, pp 47-57.
3. Kavanagh KT: Computerized patient management and medical billing. In: *Office Management*, American Academy of Otolaryngology-Head and Neck Surgery, Ed. Keith Clark. Washington D.C. March 1989.
4. Kavanagh KT: Ear, Nose, Throat and Sinus Conditions. In: *Medical and Surgical Care for Children with Down Syndrome: A Guide for Parents*. Susan Schoon Eberly (Editor), Philip Mattheis (Editor), D. C. Van Dyke (Editor), Janet Willians (Editor) Woodbine House January 1995
5. Tate NP and Kavanagh KT: Introduction. In: *Health care for the poor and uninsured: Strategies that Work*. Ed. Tate, NP. and Kavanagh, KT, Haworth Press. New York. 1992, pp 1-6.

6. Kavanagh KT: Software Review of Temporal Bone & Posterior Cranial Fossa. The Head & Neck. Volume I-II. Annals of Otology Rhinology and Laryngology, 105: 481-482, 1996.
7. Kavanagh KT: Software Review of Core Curriculum in Adult Primary Care 2001: Office Otolaryngology and Ophthalmology. Annals of Otology Rhinology and Laryngology, 111: 382, 2002.
8. Kavanagh KT: Software Review of Head and Neck Pathology. Annals of Otology Rhinology and Laryngology, 112: 392, 2003.