

CURRICULUM VITAE

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EDUCATION

College

Princeton University, Princeton, New Jersey 1973-1977

B.A., Magna Cum Laude, Geology/Geophysics

Graduate School

Bryn Mawr College, Bryn Mawr, Pennsylvania 1977-1979

M.A. Biochemistry

Medical School

Rutgers Medical School, Piscataway, New Jersey 1979-1983

M.D.

Law School

Florida Coastal School of Law, 2005-2008

J.D., Law Review, Phi Delta Phi

INTERNSHIP

General Surgery

Indiana University Hospitals, Indianapolis, Indiana 1983-1984

RESIDENCIES

Otolaryngology

Medical College of Virginia 1984-1986 (transferred to Vanderbilt, 1987)

Otolaryngology

Vanderbilt University Medical Center, Nashville, Tennessee 1987-1989

FELLOWSHIP

Neurotology

Baylor College of Medicine, Houston, Texas 1993-1994

EMPLOYMENT

Student Researcher, Bethesda, Maryland, NIH, NIDCD, Endocrinology,

June 1979 to September, 1979.

Student Researcher, Sloan-Kettering, New York City, Hematology/Oncology,

June 1980 to September 1980

Private Practice 1989-1990, College Park, Maryland

Assistant Professor, University of Florida/HSC, Jacksonville, Florida, 1991-1994

Fellow, Baylor College of Medicine, Houston, Texas, July 1993-June 1994

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Assistant Professor and Director, Penn Balance Center, University of Pennsylvania
Philadelphia, Pennsylvania, July 1994-June 1998

Private Practice and Courtesy Clinical Associate Professor, University of Florida
Jacksonville, Florida, June 1998 to present.

President, Duval County Medical Society, 2008-2009

Vice President, Duval County Medical Society, 2007-2008

Secretary, Duval County Medical Society, 2006-2007

LICENSURE

Florida

CERTIFICATION

Board Certified, American Board of Otolaryngology, 1990

PROFESSIONAL ORGANIZATIONS

Fellow, Triological Society

Virginia Society of Otolaryngology

American Medical Association

Fellow, American College of Surgeons

Pennsylvania Academy of Otolaryngology – Head and Neck Surgery

Philadelphia College of Physicians

American Academy of Otolaryngology – Head and Neck Surgery

American Society for Gravitational and Space Biology

Society of University Otolaryngologists

Sigma Xi

Philadelphia County Medical Society

Nashville Academy of Otolaryngology

Pennsylvania State Medical Society

Association for Research in Otolaryngology

Aerospace Medical Association

Space Medicine Branch, Aerospace Medical Association

Florida Medical Association

Florida Society of Otolaryngology – Head and Neck Surgery

Duval County Medical Society

Greater Jacksonville ENT Society

Faculty, University of Florida Brain Institute

Society of NASA Flight Surgeons

HONORS

Sigma Xi, 1977

Magna Cum Laude, 1977

Robert Wood Johnson Scholarship, 1980

COMMITTEES

Ambulatory Surgery Committee, University Medical Center, University of Florida Health Science Center, Jacksonville, FL, January, 1992-1994

Cancer Committee, University Medical Center, University of Florida Health Science Center, Jacksonville, FL, February, 1992-1994

Faculty Council, University of Florida Health Science Center, Jacksonville, FL, 1992-1994

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Clerkship Committee, University Medical Center, University of Florida Health Science Center, Jacksonville, FL, January, 1992-1994

NASA-KSC, SLSTP Instructor, Summer 1991, 1992 & 1994

NASA-KSC, Visiting Researcher, 1991 to present

Co-Director, Vertigo Clinic, University Medical Center, University of Florida Health Science Center, Jacksonville, FL, January, 1992-1994

Joint Practice Council for Medicine and Surgery, University of Florida Health Science Center, Jacksonville, FL, 1992-1994

NIH Peer Review Consultant, 1994

Director, Balance Center, University of Pennsylvania Medical Center, 1994-1998

AAO-Patient of the Month Committee

AAO-SIPAC Committee

AAO-Equilibrium Sub-Committee

AAO-Professional Liability Committee

Penn – Medical School Admissions Committee

Resident Selection Committee, Penn, Vanderbilt, University of Florida

Medical Student Research Award Committee

Investigational Drug Committee

Admissions Committee

Continuing Medical Education, Memorial Hospital

Duval County Medical Society ad hoc Tort Reform Committee

Duval County Delegate, Florida Medical Association, 2003 to present

Vice President Duval County Medical Society, 2006

Secretary, Duval County Medical Society, 2005

Duval County Medical Society, Board of Directors, 2004 to present

HOSPITAL STAFFS

Memorial Hospital of Jacksonville, 1998 to present

Chief, Otolaryngology Section, Memorial Hospital of Jacksonville
2005 to present

RESEARCH GRANTS

University of Florida Health Science Center, Jacksonville, FL, 1992

University of Florida Brain Institute, Co-Investigator, Department of Defense Grant, 1992

University of Florida DSR-D Grant, 1992

NASA Grant, Co-investigator, Vestibular Effects of Phenytoin

NASA OLMSA-02, Effects of Microgravity on Rat Masseter Muscle

Smith Kline Beecham, Kytril for Motion Sickness, 6,000

MacCabe Foundation, Torsional Nystagmus 15,000

Co-investigator, Clarion Cochlear Implant Study

SPACE FLIGHT EXPERIMENTS

STS-54 PARE.02 parts sharing program, Principal Investigator, “Effects of Microgravity on Rat Masseter Muscle”

NASA OLMSA-02, “Effect of Microgravity on Rat Masseter Muscle”

“Adaptation of Otolith Responses Assessed by Off-Vertical Axis Rotation” Co-Investigator

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COURSES AND EXERCISES

KSC Shuttle Emergency Medical Support Course, 1991

Mode 6 Shuttle Rescue Exercise KSC, February 12, 1992

ACLS Certified

ATLS Certified

Endoscopic Sinus Surgery, University of FL, 1991

Endoscopic Sinus Surgery, Vanderbilt University, 1989

Laser Surgery Course, Vanderbilt University, 1989

Endoscopic Sinus Surgery, University of Pennsylvania, 1992

Skull Base workshop, Ear Research Foundation, 1992

University of Iowa, ENT, Basic Science Course, Summer, 1985

Johnson Space Center Flight Surgeon Training Course, 1993

Midas Rex Skull Base Surgery Course, Sarasota, FL, 1992

BIBLIOGRAPHY

Knox, G.W. and Reitan, H., Shape-memory stapes prosthesis for otosclerosis surgery, *Laryngoscope* 2005; 11518/1340-6.

Bigelow, D.C., Kay, D.J., Rafter, K.O, Montes, M., Knox, G., Yousem, D.M., Facial nerve stimulation from cochlear implants. *Am. J. Otology* 19: 163-169, 1998.

Suskind, D.L., Bigelow, D.C., Knox, G., “Y” modification of the Fisch Meatoplasty. *Otolaryngol. HNS* 121 (1) 126-127, 1999

Keefe, M.A., Knox, G., McPherson, A., Lopes, A., Atypical presentation of Waardenburg’s syndrome type II. *Otolaryngol HNS* 120(5) 749, 1999

Altman, K.W., Austin, L.W.C., Tom, G. and Knox, G., Complications of frontal sinusitis in adolescents: Case presentations and treatment options. *Int. J. Ped. Otolaryngol.* 41(1) 1997, 19-20

Levine, M.E., Chillias, J.C., Stern, R.M., and Knox, G. The effects of serotonin (5HT-3) receptor antagonists on gastric tachyarrhythmia and the symptoms of motion sickness. *Aviat Space Env. Med* 2000; 71:1111-4

Knox, G., Treatment controversies in Bell palsy. *Arch Otolaryngol. HNS* 1998; 124: 821-823

Suskind, D., & Knox, G.W., Dizziness in the Elderly Book chapter – “Geriatric secrets”.

Knox, G.W., “Ménière’s Disease” *American Family Physician*, in press, 1996

Bigelow, D. & Knox, G.W. “Endoscopic Evaluation of Mastoid Cavities” abstract – submitted. *American Neurotology Society*

Kaney, A.R., Knox, G.W.: Production of melanin in precursors by a mutant of *Tetrahymena Thermophila*. *J. Protozoology* 27(3): 339-341, 1980

Harwood, J.P., Clayton, R.N., Chen, T.T., Knox, G.W., Catt, K.J.: Ovarian Gonadotropin-releasing hormone receptors: Regulation and effects on ovarian Development. *Endocrinology* 107(2): 414-421, 1980

- Chan, V., Clayton, R.N., Knox, G.W., Catt, K.J: Ontogeny of pituitary GnRH Receptors, *Endocrinology* 108(6): 2086-2092, 1981.
- Knox, G.W., Frable, M.A.S.: Adventures in smoking: Add oxygen (letter). *JAMA* 258(10): 1333, 1987.
- Knox, G.W., Frable, M.A.S.: Conservative management of nasal mucosal burns (abstract). *Trans. Am. Laryng. Rhin. Otol. Soc.*, 1987.
- Knox, G.W., Chiancone, G., Ali, M.K.: Squamous cell carcinoma arising in a plunging ranula. *J. Oral Maxillofacial Surg* 48(3): 305-8, March, 1990.

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- Glasscock, M., Jackson, C.G., Knox, G.W.: Can acquired immunodeficiency syndrome and Creutzfeldt-Jakob disease be transmitted via otologic homografts? *Arch. Otol.* 114(11): 1252-1255, 1988.
- Ossoff, R., Duncavage, J., Knox, G.W: Endoscopic laser arytenoidectomy. In R.K. Davis (Ed.), *Laryngology*, Saunders, Philadelphia, 1990, pp.44-48.
- Knox, G.W.: Space motion sickness: An historical perspective (abstract). *Av. Space Eng. Med.*, 1990.
- Jackson, C.G., Gulya, A., Knox, G.W., Glasscock, M.E., Pensak, M.L., Poe, D.S., Johnson, G.D.: A paraneoplastic syndrome associated with glomus tumors of the skull base? *Otolaryngology HNS*, 100(6): 583-7, 1989.
- Knox, G.W., Isaacs, J., Woodard, D., Johnson, L., Jordan, D.: Short latency vestibular evoked potentials. *Otolaryngology HNS*, March, 1993.
- Knox, G.W., Isaacs, J.H., Woodard, D.: Vestibular evoked potentials (abstract). *Otolaryngology HNS*, September, 1992.
- Knox, G.W., Woodard, D., et.al: Phenytoin for motion sickness: Clinical evaluation. *Laryngoscope*, October 1994.
- Knox, G.W., Watts, D.C.: Juvenile active ossifying myxoma of the pediatric temporal bone (abstract). *Otolaryngology HNS*, September, 1993.
- Netterville, J.L., Jackson, C.G., Glasscock, M.E., III, Poe, D.S, Knox, G.W., Johnson, G.D.: Glomus vagale tumors: Combined skull base approach. *Otolaryn. HNS*, 1994 (in press).
- Bigelow, D., Schmidt, M., Knox, G.: "Otolaryngologic Manifestations of Creutzfeldt - Jacob Syndrome" – American Academy of Otolaryngology – Head and Neck Surgery Annual Meeting, New Orleans, September 1995 (abstract).
- Knox, G: AIDS and adenoidal hypertrophy (letter). *Laryngoscope* 1996 106(9): 1187, September, 1996.
- Woodard, D., Knox, G., Cheleen, W.: Phenytoin for motion sickness: Operational use at Kennedy Space Center (abstract). *Av. Space. Env. Med.*, 1993.
- Knox, G.W., Stiles, W.: Facial nerve repair following gunshot wound of the temporal bone, (abstract). *Otolaryngology HNS*, September, 1993.
- Knox, G.W., Stiles, W.: Facial nerve repair following gunshot wound of the temporal bone, *American Journal of Otology*, 1996 (in press).
- Knox, G.W., Woodard, D., Harris, R., Dudley, G.: Effect of microgravity on rat masseter muscle. *AIAA Technical publications*, May, 1995.
- Coker, N., Knox, G.W.: Temporal Bone Fractures, in "Neurotrauma", Narayan, R.K., Wilberger, J.E, Jr., Provlishock J.T. Eds., McGraw-Hill, Inc. 1995.
- Knox, G.W., Woodard, D., Haris, R., Dudley, G.: Effect of microgravity on rat masseter muscle. *Av. Space Env. Med.*, May, 1994 (abstract).
- Raney, R., Knox, G.W., Jenkins, H.: Hemangioma of the facial nerve. *Otolaryngology HNS* 120(6) 946-947, 1999.
- Knox, G.W.: Lyme Disease: Otolaryngology Manifestations, *Baylor Head and Neck*

- Newsletter-Winter, 1993.
- Knox, G.W.: Otitis Externa, Florida Sun-Times, October, 1993.
- Knox, G.W., Jenkins, H.: Surgical Management of Ménière's Syndrome. Otolaryngology-HNS, 1994.
- Knox, G.W., Frable, M.A.S.: Smoking and oxygen. A lethal mix. Va. Med. 113(8): 431, 1986.
- Crerar, D.L., Means, J.L., Yuretich, R.F., Amster, M.P., Hastings, D.W., Knox, G.W., Lyon, K.E., and Quiett, R.F.: Hydrogeochemistry of the New Jersey Coastal Plain, Chemical Geology, 1981.

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- Kaney, A.R. and Knox, G.W.: Production of Melanin Precursors by a Mutant of *Tetrahymena thermophila*, Genetics, 1980 (abstract).
- Crerar, D.A., Knox, G.W., and Means, J.L.: Biogeochemistry of Bog Iron in the New Jersey Pine Barrens, Chemical Geology, 1979.
- Knox, G.: Ondansetron for motion sickness. Av. Space Env. Med., May, 1996 (abstract).
- Knox, G and Reitan, H.: The Role of Shape Memory Alloys in the Treatment of Otosclerosis (abstract). Trans. Otol. Rhin. Laryng. Soc. 2003.

COURSES TAUGHT

- Instructor, Temporal Bone Course, Jefferson, 1994, 1995, Penn 1996.
- Instruction course, New Orleans, AAP meeting, September, 1995, "The Treatment of Intractable Vertigo".
- Instructor, ID 200 Course, Penn 1994-1995.
- NASA SLSTP Instructor, July 1994, July 1995, July 1998, July 1999, NASA Kennedy Space Center.

UNITES STATES PATENTS

- "Self-crimping Stapedectomy Prosthesis" United States Patent Numbers 6,554,861 and 6,197,060

PRESENTATIONS

- "Shape-Memory Stapes Prosthesis for Otosclerosis Surgery", August 2005, Triological Society Thesis Presentation, Boca Raton, Florida, May, 2005
- "Elderberry Lectin as Inhibitor of Influenza Neuraminidase" – Association for Research in Otolaryngology Annual Meeting, Daytona, March 2003 (POSTER)
- "Shape Memory Alloys in the Treatment of Otosclerosis" Southern Section Meeting, Triological Society, Marco Island, FL, March 2003 (POSTER)
- "Off-Vertical Axis Rotation for Assessment of Motion Sickness Medications" – American Academy of Otolaryngology – Head and Neck Surgery Annual Meeting, September, 2000 (POSTER)
- "Chronic Ear Disease and Cholesteatoma"-Orange Park Medical Center, July 2000
- "Torsional nystagmus in response to centrifugal acceleration" – Eastern Section Meeting, Triological Society, Boston, 1998
- "Atypical Presentation of Glomus Jugulare"- North American Skull Base Society, July 1996 (POSTER)
- "Low Velocity Gunshot Wounds to the Facial Nerve" – Eastern Section Meeting, Triological Society, Philadelphia, January, 1996
- "Mixed Central and Peripheral Vestibular Pathology in Head Trauma", Combined Otolaryngologic Spring Meeting, Orlando, May, 1996
- "Low Velocity Gunshot Wounds of the Temporal Bone" – Eastern Sectional Meeting of the

Triological Society – January, 1996
“Vestibular Effects of Ondansetron”– Association for Research in Otolaryngology,
St. Petersburg, Florida, February 1996 (POSTER)
Radio Interview on WWDB – “Treatment of Vertigo”, January, 1995
Philadelphia Inquirer Interview on Ménière’s Support Group, 1995
“Diagnosis and Management of Vertigo” – Clinical Care Associates – CME update,
June 1995
“Vestibular Physiology” – Audiology Grand Rounds, August, 1995
Instruction Course – American Academy of Otolaryngology – Head and Neck Surgery -
Annual Meeting in New Orleans, September, 1995 – “Treatment of Intractable Vertigo”
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American Institute of Aeronautics and Astronautics – Conference in Houston, Texas,
April, 1995
“The Use of Anti-Convulsants for Motion Sickness”
“The Effect of Microgravity on Rat Skeletal Muscle”
“Motion Sickness Therapy”–Grand Rounds–November, 1994 and November, 1995
“Otolaryngologic Manifestations of Creutzfeldt – Jacob Syndrome” – American Academy of
Otolaryngology – Head and Neck Surgery Annual Meeting, New Orleans, September,
1995 (POSTER)
Daily Pennsylvanian Interview – Balance Center, February, 1995
Channel 10 Interview – Balance Center – November, 1995
Philadelphia Magazine Interview – The Balance Center, March, 1995
Channel 17 Interview Governor’s Ear Surgery, March, 1995
“Vestibular Physiology” – Penn Grand Rounds, January, 1995
“Vestibular Physiology” – Penn Basic Science Lecture, June, 1995
“Intracranial complications of Otitis Media” – Grand Rounds, September, 1994,
Faculty Discussant
“Vestibular Effects of Anti-Motion Sickness Drugs” – Invited Speaker – MIT Man
Vehicle Laboratory – October, 1994
“Dizziness in Children – Neuroscience Conference – Children’s Hospital of Philadelphia,
November, 1994
“Surgical Treatment of Vertigo” – Rehabilitation Medicine Grand Rounds, October, 1994
“The Effect of Microgravity on Rat Masseter Muscle” – Poster AAO meeting
San Diego, September, 1994
“The Use of Electronystagmography in Diagnosis of Dizziness” – Micromedical
Industries – October, 1994
“Unusual Cerebellopontine Angle Neoplasms” – University of Pennsylvania –
September, 1994
“Surgical Management of Ménière’s syndrome”– Penn Grand Rounds, April, 1994
Television Interview on Channel 6 – “Treatment of Balance Disorders”, 1994
“Vasopressinergic Inhibitors of Motion Sickness” – Southern Section Meeting,
Triological Society, Marco Island, FL, January, 1994
“Effect of Microgravity on Rat Masseter Muscle” – Association for Research in
Otolaryngology, St. Petersburg, FL, February, 1994
“Effect of Microgravity on Rat Masseter Muscle” – American Academy of
Otolaryngology – Head and Neck Surgery – Annual Meeting, 1994 (POSTER)
“Surgery of Ménière’s Syndrome”– Grand Rounds, Baylor College of Medicine, 1994
Cerebellopontine Angle Neoplasms” – Grand Rounds, SIU School of Medicine,
Department of Otorhinolaryngology, March, 1994.
“Ménière’s Syndrome” – Grand Rounds, University of Pennsylvania Medical Center, 1994
“Unusual Cerebellopontine Angle Neoplasms”– Baylor College of Medicine, 1993

- “Phenytoin for Motion Sickness: Vestibular Effects” – Southern Section Meeting, Triological Society, Boca Raton, FL, January, 1993
- “Phenytoin for Motion Sickness: Operational Use at Kennedy Space Center” – Annual Scientific Meeting, Aerospace Medical Association, Toronto, Canada, 1993 (POSTER)
- “Gunshot Wound to Skull Base: Facial Nerve Repair” – Television Interview, WJKS-17, Jacksonville, FL 1993
- “Juvenile Active Ossifying Myxoma of the Pediatric Temporal Bone” – American Academy of Otolaryngology-Head and Neck Surgery Annual Meeting, Minneapolis, MN, October, 1993 (POSTER)

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- “Facial Nerve Injury Following Gunshot Wound to the Skull Base” – American Academy of Otolaryngology-Head and Neck Surgery Annual Meeting, Minneapolis, MN, October, 1993 (POSTER)
- “Short Latency Vestibular Evoked Potentials” – Association for Research in Otolaryngology, St. Petersburg, FL, February, 1993
- “Phenytoin as a Countermeasure for Motion Sickness in NASA Maritime Operations” – The Twelfth Frontiers of Pharmacology Symposium, American College of Clinical Pharmacology, “Pharmacology Beyond Earth’s Boundaries”, Houston, TX, May, 1992 (POSTER)
- “Surgery of Vertigo” – Southern Society of Clinical Surgeons, Jacksonville, FL, April, 1992
- “Short Latency Vestibular Evoked Potentials” – Annual Scientific Meeting, Aerospace Medical Association, Miami Beach, FL, May 14, 1992
- “Temporal Bone Fractures” – University of Florida Health Science Center, Department of Surgery, Grand Rounds, Jacksonville, FL, July, 1991
- “Space Motion Sickness” – Annual Meeting, Aerospace Medical Association, May, 1990
- “Facial Reanimation” – Otolaryngology Grand Rounds, Vanderbilt University Medical Center, Nashville, TN, April, 1989
- “Can Aids and CJV be Transmitted via Otologic Homografts?” – Southern Sectional Meeting of the Triological Society, Birmingham, January, 1988
- “Frontal Sinus Fractures-Diagnosis and Management” – Vanderbilt University Medical Center Facial Trauma Conference, Nashville, TN, December 1988
- “Ménière’s Syndrome-Medical Management” – Otolaryngology Grand Rounds, Vanderbilt University Medical Center, Nashville, TN, October, 1988
- “Diagnosis and Management of Glomus Tumors” – Otolaryngology Grand Rounds, November, 1987
- “Conservative Management of Nasal Mucosal Burns” – Southern Sectional Meeting of the Triological Society, Santa Fe, January, 1987
- “Total Laryngectomy in the Total Glossectomy Patient” – Virginia Society of Otolaryngology, April, 1985
- “Skeletal Muscle Changes in Microgravity” – Annual Scientific Meeting, Aerospace Medicine Association, San Antonio, TX 1994

FOREIGN PRESENTATIONS

- “Dilantin for Motion Sickness – Clinical Evaluation” (POSTER). Aerospace Medical Association Annual Meeting – Toronto, Canada, April, 1994
- “Adaptation of Otolith Responses Assessed by Off-Vertical Axis Rotation” – Banff, Canada, 2003