

CURRICULUM VITAE

Glenn William Knox, MD, JD, FACS, FACHE

PERSONAL INFORMATION

12026 Cranefoot Drive
Jacksonville, Florida 32223
glenn.knox.md@gmail.com
904-568-6516

PRESENT POSITIONS

President, Nitinetics LLC. Expert witness services (specializing in IP, dizziness, TBI), consulting, and otologic medical devices IP. August 2005-present.

Courtesy Associate Professor, University of Florida College of Medicine, Department of Pathology, Immunology and Laboratory Medicine. Research on protein expression, purification and crystallization. September 2022-present.

Chief Medical Officer, Immunodominant LLC. Development of coronavirus therapeutics. August 2022-present.

IMMEDIATE PAST POSITIONS

Associate Professor and Interim Chief, Division of Otolaryngology, Department of Surgery, University of Florida Health – Jacksonville. June 2019-August 2022.

EDUCATION

UNDERGRADUATE

Princeton University
Bachelor of Arts, *magna cum laude*, Geology and Geophysics
Princeton, New Jersey
1977

GRADUATE SCHOOL

Bryn Mawr College
Master of Arts in Biochemistry
Bryn Mawr, Pennsylvania
1979

MEDICAL SCHOOL

Rutgers Medical School
Medical Doctor
Piscataway, New Jersey
1983

LAW SCHOOL

Florida Coastal School of Law
Juris Doctor; Law Review editorial staff; Phi Delta Phi
Jacksonville, Florida
2008

POSTDOCTORAL TRAINING

FELLOWSHIP

Baylor College of Medicine
Neurotology
Houston, Texas
1993–1994

RESIDENCIES

Vanderbilt University Medical Center
Otolaryngology
Nashville, Tennessee
1987–1989

Medical College of Virginia
Otolaryngology
Richmond, Virginia
1984–1986

INTERNSHIP

Indiana University Hospitals
General Surgery
Indianapolis, Indiana
1983–1984

LICENSURE AND CERTIFICATION**LICENSURE**

Florida Medical License #ME75455
Current

CERTIFICATIONS

American Board of Otolaryngology
Board Certified, Neurotology
2012

American Board of Otolaryngology
Board Certified
1990

ACADEMIC APPOINTMENTS

Associate Professor
Chief, Division of Otolaryngology
Interim Chief, Division of Otolaryngology
Courtesy Clinical Associate Professor
Assistant Professor
2010–Present
2013–2015
2012–2013;2019–2020
1998–2010
1991–1994

HOSPITAL STAFFS

University of Florida Health – Jacksonville
St. Vincent’s Hospital – Southside
1991-Present
2009-Present

AWARDS AND HONORS

John A. Beals Research Award-Review Category, Duval County Medical Society, 2014

“40 Most Influential Healthcare Leaders in Jacksonville,” *904 Magazine*, 2014

Associate Fellow, Aerospace Medical Association, 2012

Honor Award, American Academy of Otolaryngology—Head and Neck Surgery
Duval County Medical Society, Delegate to Florida Medical Association House of Delegates, 2004–Present
Florida Coastal School of Law, Law Review, 2007
Phi Delta Phi Legal Honor Society, 2007
Robert Wood Johnson Scholarship, 1980
Magna Cum Laude, Princeton University, 1977
Sigma Xi Scientific Honor Society, 1977

COMMITTEE ASSIGNMENTS

CURRENT

Vice Chair, Duval County Medical Society, Northeast Florida Legislative Committee, 2012–Present

Duval County Delegate, Florida Medical Association, 2003–Present

Duval County Medical Society, 1998–Present

- Chair, 2015–Present and Member, Committee on Ethical & Judicial Affairs, 2013–Present
- Election Committee, 2015–Present
- Council of Past Presidents 2009–Present
- Judicial Committee, 2006–present

Northeast Florida Legislative Committee, Vice Chair, 2005–Present

Delegate to Florida Medical Association (FMA) House of Delegates, 2004–Present

NASA Visiting Researcher, 1991–Present

PAST

University of Florida—Jacksonville

- Value Analysis Team Committee
- Resident Education Committee
- Operating Room Operations Committee
- EPIC Care Ambulatory Advisory Group

American Neurotology Society, Research Committee

General Otolaryngology Education Committee, American Academy of Otolaryngology—Head and Neck Surgery, 2011–2013

Florida Medical Association Reference Committee III Legislation, 2012

DCMS Ad Hoc Committee on Legislation, 2009

FMA Task Force on Medical Staff Autonomy, 2009

Florida Medical Association, ad hoc Committee on Model Hospital By-laws
Committee on Medical Economics
Council on Ethical and Judicial Affairs, 2006–2009
Committee on Managed Care, 2007–2008
Memorial Hospital Continuing Medical Education, 2004–2005
DCMS Constitutional Amendment and Tort Reform Committee, 2004
University of Pennsylvania Admissions Committee, 1996–1997
University of Pennsylvania Investigational Drug Committee, 1996–1997
University of Pennsylvania Medical Center Resident Selection Committee, 1996–1997
University of Pennsylvania Medical School Admissions Committee, 1996–1997
University of Pennsylvania Medical Student Research Award Committee, 1996–1997
AAO SIPAC Committee, 1994–1995
AAO Patient of the Month Committee, 1994–1995
AAO Professional Liability Committee, 1994–1995
NIH Peer Review Consultant, 1994
University of Florida Health Science Center, Vertigo Clinic Co-Director, 1992–1994
University of Florida Health Science Center, Ambulatory Surgery Committee, 1992–1994
University of Florida Health Science Center, Cancer Committee, 1992–1994
University of Florida Health Science Center, Clerkship Committee, 1992–1994
University of Florida Health Science Center, Faculty Council, 1992–1994
University of Florida Health Science Center, Joint Practice Council for Medicine and Surgery,
1992–1994
University of Florida Resident Selection Committee, 1993
Vanderbilt University Resident Selection Committee, 1988

MAJOR RESEARCH INTERESTS

TBI associated dizziness, coronavirus, motion sickness, middle ear implants, computerized bone grafts, and skull base tumors

BIBLIOGRAPHY

- Ostrov, D.A. and Knox, G.W. (2022). The potential for Lactoferrin combined with Diphenhydramine to influence immune responses to COVID-19 and other infectious diseases. *Front Sports Act Living*, in press.
- Ostrov, D.A. and Knox, G.W. (2022). Emerging mutation patterns in SARS-CoV-2 variants. *Biochem Biophys Res Commun*. 586:87-92.
- Knox, G.W. (2016). Comment on “Long-term Outcomes After Middle Fossa Approach for Traumatic Facial Nerve Paralysis. *Otology & Neurotology* 2016. 37: 799-804.” (Letter) *Otology & Neurotology*.
- Knox, G.W. (2016). Idiopathic intracranial hypertension: a ground based analog for visual impairment intracranial pressure syndrome? (abstract). *Aerospace Medicine and Human Performance*. 86 (3): P. 252.
- Knox, G.W. (2015). Autologous bone grafts on demand during surgery with 3D CAD/CAM. (abstract). *Otolaryngol HNS*. 153 (1) P. 178.
- Knox, G.W. (2015). Intraoperative autologous bone grafting with 3D CAD/CAM (abstract). *Journal of Neurological Surgery B*. 76: P. 62.
- Knox, G.W. (2015). Carotid hemorrhage during skull base surgery: review of the literature, meta-analysis, and recommendations (abstract). *Journal of Neurological Surgery B*. 76: P. 40.
- Knox, G.W. (2015). Genetic factors in motion sickness (abstract). *Aerospace Medicine and Human Performance*. 86 (3): P. 278.
- Woodward, D., Knox, G.W., Wood, S., and DiBiase, C. (2014). Off-vertical axis rotational assessment of transdermal scopolamine for motion sickness prophylaxis. *Gravitational and Space Research*. 2 (2): PP. 13-20.
- Knox, G.W. (2014). Motion sickness: an evolutionary and genetic basis for the negative reinforcement model. *Aviation, Space and Environmental Medicine*. 85 (1): PP. 46-49.
- Knox, G.W. (2013). Metallurgical considerations in shape-memory nitinol middle ear prosthetics (abstract). *Otolaryngology—Head and Neck Surgery Journal Supplement*. 149 (2): P. 105.
- Knox, G.W. (2013, March 6). Can you hear your body?, *Florida Times-Union*, article.
- Knox, G. W. (2013). In reference to late complications of nickel-titanium alloy stent in tracheal stenosis (letter). *Laryngoscope*. 123(2): P. 549. Article first published online: 30 Jan 2013. DOI: 10.1002/lary.23587.
- Knox, G. W. (2013). Re: Rapid cVEMP and oVEMP responses elicited by a novel head striker and recording device (letter). *Otology & Neurotology*. 34 (4): P. 779.
- Knox, G. W. (2012). Motion sickness treatment analysis with OVAR (abstract). *Otolaryngology—Head and Neck Surgery*. 147: P. 90.
- Knox, G. W. Cochlear implantation in immunoglobulin M deficiency (abstract). *Laryngoscope*. Article first published online: 28 Jun 2011. DOI: 10.1002/lary.22072.

- Knox, G. W. (2011). Re: Biocompatibility of nitinol stapes prosthesis by Roosli, Christof, Schmid, Philipp and Huber, Alex M. (letter). *Otology & Neurotology*. 32: P. 717.
- Knox, G. W. (2010). CO2 laser-assisted posterior semicircular canal ablation for benign paroxysmal positional vertigo (abstract). *Laryngoscope*. 120: Supplement 4, 0.
- Knox, G. W. (2006). Inhibition of influenza neuraminidase by elderberry lectin (abstract). *Otolaryngology—Head and Neck Surgery*. 135: P.123.
- Knox, G. W., and Reitan, H. (2005, August). Shape-memory stapes prosthesis for otosclerosis surgery. *Laryngoscope*. 115(8): PP. 1340–1346.
- Knox, G. W., and Woodard, D. (2004). Adaptation of otolith responses produced by off-vertical axis rotation (abstract). *Otolaryngology—Head and Neck Surgery*. 131: P. 263.
- Suskind, D., and Knox, G. W. (2004). Dizziness in the Elderly. In M. A. Forciea, R. Lavizzo-Mourey, E.P. Schwab, and D. B. Raziano (Eds.), *Geriatric Secrets*. (PP. 74–79). Philadelphia, Pennsylvania: Hanley and Belfus.
- Knox, G., and Reitan, H. (2003). The role of shape memory alloys in the treatment of otosclerosis (abstract). *Trans. Otol. Rhin. Laryng. Soc*.
- Levine, M. E., Chillias, J. C., Stern, R. M., and Knox, G. W. (2000). The effects of serotonin (5-HT₃) receptor antagonists on gastric tachyarrhythmia and the symptoms of motion sickness. *Aviation Space and Environmental Medicine*. 71(11 Pt 1): PP. 1111–1114.
- Suskind, D. L., Bigelow, D. C., and Knox, G. (1999). Y modification of the Fisch meatoplasty. *Otolaryngology-Head Neck Surgery*. 121: PP. 126–127.
- Keefe, M. A., Knox, G., McPherson, A., and Lopes, A. (1999). Atypical presentation of Waardenburg's syndrome type II. *Otolaryngology-Head Neck Surgery*. 120: P. 749.
- Raney, R., Knox, G. W., and Jenkins, H. (1999). Hemangioma of the facial nerve. *Otolaryngology-Head Neck Surgery*. 120: PP. 946-947.
- Bigelow, D. C., Kay, D. J., Rafter, K. O., Montes, M., Knox, G., and Yousem, D. M. (1998, March). Facial nerve stimulation from cochlear implants. *American Journal of Otolaryngology*. 19(2): PP. 163-169.
- Knox, G. W. (1998). Treatment controversies in Bell palsy. *Arch Otolaryngology-Head Neck Surgery*. 124: PP. 821.
- Altman, K. W., Austin, M. B., Tom L. W. C., and Knox, G. W. (1997). Complications of frontal sinusitis in adolescents: case presentations and treatment options. *International Journal of Pediatric Otolaryngology*. 41: PP. 19-20.
- Knox, G. W. (1997). Granisetron as a treatment for dizziness after head trauma (abstract). *Otolaryngology—Head and Neck Surgery*. 117: P. 212.
- Knox, G. W. (1996). Ménière's disease. *American Family Physician*.
- Knox, G. (1996, September). AIDS and adenoidal hypertrophy (letter). *Laryngoscope*. 106(9): P. 1187.
- Knox, G. (1996, May). Ondansetron for motion sickness. *Aviation, Space, and Environmental Medicine*. 67: P. 537.

- Margardino, T. M., Deems, D.A. and Knox, G. W. Knox et al. (1996). Management of tracheoinnominate fistulas (abstract). *Otolaryngology—Head and Neck Surgery*. 115: P. 203.
- Bigelow, D. C., Schmidt, D.E., and Knox, G. W. et al. (1995). Otolaryngologic manifestations of Creutzfeldt-Jakob syndrome—A case report (abstract). *Otolaryngology—Head and Neck Surgery*. 113: P. 202.
- Knox, G. W., Woodard, D., Harris, R., and Dudley, G. (1995, May). Effect of microgravity on rat masseter muscle. *AIAA Technical Publications*.
- Coker, N., and Knox, G. W. (1995). Temporal Bone Fractures. In Narayan, R. K., Wilberger, J. E, Jr., and Provlshock, J. T. (Eds.) *Neurotrauma*. New York City, New York: McGraw-Hill, Inc.
- Knox, G. W., Woodard, D., et al. (1994, October). Phenytoin for motion sickness: clinical evaluation. *Laryngoscope*. 104(8 Pt. 1): PP. 935-939.
- Knox, G. W., Woodard, D., Harris, R., and Dudley, G. (1994, May). Effect of microgravity on rat masseter muscle. *Aviation, Space, and Environmental Medicine*. 65: P. 432.
- Knox, G. W. (1993, October). Otitis externa, *Florida Times-Union*, article.
- Knox, G. W., and Watts, D. C. (1993, September). Juvenile active ossifying myxoma of the pediatric temporal bone (abstract). *Otolaryngology—Head and Neck Surgery*. 109: P. 230.
- Knox, G. W., and Stiles, W. (1993, September). Facial nerve repair following gunshot wound of the temporal bone (abstract). *Otolaryngology—Head and Neck Surgery*. 109: P. 267.
- Knox, G. W., Isaacs, J., Woodard, D., Johnson, L., and Jordan, D. (1993, March). Short latency vestibular evoked potentials. *Otolaryngology—Head and Neck Surgery*. 108(3): PP. 265–269.
- Woodard, D., Knox, G., and Chelen, W. (1993). Phenytoin for motion sickness: operational use at Kennedy Space Center (abstract). *Aviation, Space, and Environmental Medicine*.
- Knox, G. W. (1993). Lyme disease: otolaryngology manifestations. *Baylor Head and Neck Newsletter-Winter*.
- Knox, G. W., Isaacs, J., and Woodard, D. (1992, September). Vestibular evoked potentials. *Otolaryngology-Head Neck Surgery*. 108: PP. 265-269.
- Knox, G. W., Chiancone, G., and Ali, M. K. (1990, March). Squamous cell carcinoma arising in a plunging ranula. *Journal of Oral and Maxillofacial Surgery*. 48(3): PP. 305-308.
- Ossoff, R., Duncavage, J., and Knox, G. W. (1990). Endoscopic Laser Arytenoidectomy. In R. K. Davis (Ed.), *Lasers in Otolaryngology* (PP. 44–48). Philadelphia: Saunders, Philadelphia.
- Knox, G. W. (1990). Space motion sickness: an historical perspective (abstract). *Aviation, Space, and Environmental Medicine*. 61(132).
- Jackson, C. G., Gulya, A., Knox, G. W., Glasscock, M. E., Pensak, M. L., Poe, D. S., and Johnson, G. D. (1989). A paraneoplastic syndrome associated with glomus tumors of the skull base? Preliminary observations. *Otolaryngology—Head and Neck Surgery*. 100(6): PP. 583–587.
- Glasscock, M., Jackson, C. G., and Knox, G. W. (1988, November). Can acquired immunodeficiency syndrome and Creutzfeldt-Jakob disease be transmitted via otologic homografts? *Archives of Otolaryngology-Head Neck Surgery*. 114(11): PP. 1252–1255.

Knox, G. W., and Frable, M. A. S. (1987). Adventures in smoking: add oxygen (letter). *Journal of the American Medical Association*. 258(10): P. 1333.

Knox, G. W., and Frable, M. A. S. (1987). Conservative management of nasal mucosal burns (abstract). *Transactions of the American Laryngological, Rhinological, and Otolological Society*.

Knox, G. W., and Frable, M. A. S. (1986). Smoking and oxygen, a lethal mix. *Virginia Medical Quarterly*. 113(8): P. 431.

Chan, V., Clayton, R. N., Knox, G. W., and Catt, K. J. (1981). Ontogeny of pituitary GnRH receptors. *Endocrinology*. 108(6)PP. 2086–2092.

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. (1981). Hydrogeochemistry of the New Jersey coastal plain. *Chemical Geology*. 33(1-4): PP. 23–44.

Kaney, A. R., and Knox, G. W. (1980, August). Production of melanin in precursors by a mutant of tetrahymena thermophila. *Journal of Protozoology*. 27(3): PP. 339–341.

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

Kaney, A. R. and Knox, G. W. (1980). Production of melanin precursors by a mutant of tetrahymena thermophila (abstract). *Genetics*.

Crerar, D. A., Knox, G. W., and Means, J. L. (1979). Biogeochemistry of bog iron in the New Jersey Pine Barrens. *Chemical Geology*. 54(3): PP. 393–402.

SELECTED RECENT PRESENTATIONS

“Otolaryngology Manifestations of COVID-19”, University of Florida College of Medicine, Department of Pathology, Immunology and Laboratory Medicine Grand Rounds, Gainesville, Florida, December 29, 2021.

“Idiopathic Intracranial Hypertension: A Ground Based Analog for Visual Impairment Intercranial Pressure Syndrome?” Aerospace Medical Association Annual Meeting, Atlantic City, New Jersey, April 26, 2016.

“Temporal Bone Fractures and Facial Nerve Injury,” U.F. Health—Jacksonville, Department of General Surgery Grand Rounds, September, 2015.

“Genetic Factors in Motion Sickness,” Aerospace Medical Association Annual Meeting, Orlando, Florida, May 13, 2015.

“Diabetes and Hearing Loss,” Head to Toe Diabetes Care Conference, Jacksonville, Florida, November 15, 2014.

“Acoustic Neuroma,” U.F. Health—Jacksonville, Department of Surgery Grand Rounds, September 4, 2013.

“Metallurgical Considerations in Shape-Memory Nitinol Middle Ear Prosthetics,” American Academy of Otolaryngology—Head and Neck Surgery, Vancouver, BC, Canada, September 29–October 2, 2013.

“Complications Associated with Nitinol Prosthesis Use in Middle Ear Surgery,” Combined Sections Meeting Triological Society, Scottsdale, Arizona, January 24, 2013.

“Motion Sickness Treatment Analysis with OVAR,” American Academy of Otolaryngology—Head and Neck Surgery 2012 Annual Meeting, Washington, D.C., September 9, 2012.

“Proton Therapy for Acoustic Neuroma,” Acoustic Neuroma Society—Jacksonville Chapter, Jacksonville, Florida, January 21, 2012.

“Understanding Legal Issues Impacting Physiatric Practice,” American Academy of Physical Medicine and Rehabilitation, Orlando Florida, November 17, 2011.

“Implantable Hearing Devices,” Hearing Loss Association of Jacksonville, Jacksonville, Florida, May 17, 2011.

“Off-Vertical Axis Rotational Assessment of Transdermal Scopolomine for Motion Sickness Prophylaxis,” American Neurotology Society, Orlando, Florida, May 2, 2008.

“Pay for Performance: A Journey to the Dark Side,” Combined Otolaryngologic Spring Meetings, Orlando, Florida, May 1, 2008.