

VASILIOS A. ZERRIS, MD, MPH, MSc, FAANS

Chairman of Neurosurgery, Hygeia Hospital

Chairman of Pediatric Neurosurgery, Mitera Children's Hospital

Professor of Neurosurgery, European University

Professor of Neurosurgery, University of Cyprus

Associate Professor of Neurosurgery Baylor Scott and White Hospital, Texas A & M University

Diplomate of the American Board of Neurological Surgery

Fellow of the American Association of Neurological Surgeons

Name: Vasilios A. Zerris MD, MPH, MSc, FAANS

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Date of Birth: May 19, 1974

Citizenship: Dual Citizenship: United States of America and European Union (Greece)

Postgraduate Education:

2010 – 2012	Pediatric Neurosurgery	McLane Children's Hospital <i>Baylor Scott & White Medical Center, Texas</i>
2005	Complex and Reconstructive Spine Surgery	Beth Israel Deaconess Medical Center <i>Harvard University Medical School</i>
2004	Functional and Pain Neurosurgery	Rhode Island Hospital <i>Brown University Medical School</i>
2000 – 2006	Neurosurgery Residency	Boston Institute of Neurosurgery at NEMC <i>Tufts University Medical School</i> Beth Israel Deaconess Medical Center <i>Harvard University Medical School</i> Lahey Clinic <i>Lahey Clinic Foundation</i>

Vasilios A. Zerris, MD MPH, MSc, FAANS

Education:

1996 – 2000	M.D.	<i>Brown University</i>	<i>with Distinction</i>
1999 - 2000	M.P.H.	<i>Harvard University</i>	Biostatistics and Clinical Epidemiology
1996 - 1998	M.Sc.	<i>Brown University</i>	Neuroscience
1992 - 1996	B.A.	<i>Brown University</i>	Economics

Current Position:

2018 - Present	Chairman of Neurosurgery	Hygeia Hospital
2020- Present	Chairman of Pediatric Neurosurgery	Mitera Children's Hospital
2017 - Present	Professor of Neurosurgery	European University
2012 - Present	Associate Professor of Surgery	Texas A & M University
2008 - Present	Staff Neurosurgeon	Baylor Scott and White Hospital Group

Previous Positions:

2017 - 2020	Chairman of Pediatric Neurosurgery	Iaso Children Hospital
2014 - 2018	Chairman of Neurosurgery	Henry Dunant Hospital Center
2013 - 2014	Professor of Neurosurgery	University of Cyprus
2013 – 2014	Director of Medical School, Phase I&II	University of Cyprus
2010 – 2012	Program Director Neurosurgical Education and Fellowship,	Scott and White Memorial Hospital, Texas A & M University.
2010 – 2012	Medical Student Clerkship Director for Neurosurgery,	Scott and White Memorial Hospital, Texas A & M University.
2010 - 2012	Neurosurgical appointee for the hospital Accreditation Council for Graduate,	Medical Education Committee (ACGME)
2008 - 2012	Vice-Chairman Scott and White-Baylor,	University Medical Campus, Texas A & M University
2008 – 2012	Director of the Center for Minimally Invasive Neurosurgery	Scott and White Memorial Hospital, Texas A & M University.
2008 - 2012	Assistant Professor of Surgery,	Scott and White Memorial Hospital, Texas A & M University.
2001 – 2006	Instructor in Neurological Surgery,	Harvard University
2001 – 2006	Instructor in Neurological Surgery,	Tufts University
1998 – 2000	Director, Movement Disorder Laboratory, Neurosurgery Foundation,	Brown University

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Current Employers:

Co- Fouders, American Neurosurgical Associates.

A Private Academic Neurosurgical Group Practice based in Cyprus and Greece. Comprised of five full time neurosurgeons. Focuses on adult and pediatric neurosurgery.

Mitera Children's Hospital.

One of the largest and most modern pediatric hospitals of - Greece. Part of the Hellenic Healthcare Group (HHG).

Hygeia Hospital

The largest Greek private hospital and the only which is certified by the Joint Commission International.

Previous Employers:

The University of Cyprus.

The official University of the Government and Country of Cyprus. It is the largest University in the country and is directly accountable to Parliament. It holds 7 ERC's which are the most prestigious European research funds. Faculty rankings amongst the highest in Europe. Includes recipients of the Nobel Prize. It has all major schools and departments including Law School and Engineering. The Medical School is its newest school.

Baylor Scott and White Hospital System:

One of the largest hospital systems in the United States. Annual revenues exceeding 6 billion, 6000 physicians, 34,000 employees, 5000 hospital beds, over 5 million patient encounters per year.

BIBLIOGRAPHY

Thesis:

1998 Glial Derived Neurotrophic Factor Expression and Behavioral Testing after Striatal Gamma-Knife Lesioning of Hemi-Parkinsonian Rats. *Brown University, Providence, Rhode Island, 1998*

Books:

2019 **Vasilios A Zerris MD MPH MSc, FAANS.** Neurosurgical Review: For Daily Clinical Use and Oral Board Preparation. Thieme. 2019

2012 **Vasilios A Zerris MD MPH MSc,** Howard Smith MD JD, Gerhard Friehs MD. Texas Jurisprudence Study Guide. Xlibris. 2012

Book Chapters:

2015 W. Shucart, C. B. Heilman, R. Bhadelia, **V. A. Zerris.** Masses of the Lateral and Third Ventricles: Pathology, Imaging, and Treatment. *In* R. H. Wilkins, S. S. Rengachary. *Neurosurgery*, Third Edition. McGraw-Hill Publishing.

2011 Donoghue JA, Bagley JH, Friehs GM, **Zerris VA.** Neuroprosthetics. *In* Winn Ed. Youmans Neurological Surgery, 2011.

C. B. Heilman, **V. A. Zerris**, C. A. David. Operative Approaches to Petroclival Tumors. *In* A. Nanda ed. Posterior Fossa: Surgical Management. Thieme, New York.

2005 **V. A. Zerris**, G. M. Friehs, P. Sampath. Surgical Management of Injuries of the Cervical Spine and Spinal Cord. *In* HH Schmideck, WH Sweet, eds. Operative Neurosurgical Techniques. WB Saunders, Philadelphia, 2005.

1999 G. M. Friehs, B. C. Walters, **V. A. Zerris.** Stereotactic Radiosurgery in the Treatment of Parkinson's Disease. *In* J. K. Krauss, J. Jankovic, R. G. Grossman, eds. *Movement Disorders Surgery*. Lippincott Williams & Wilkins, 1999.

- 2016 CT-Guided, Ethanol Sympatholysis for Primary Axillary – Palmar Hyperhidrosis
Tsitskani M., Friehs G., **Zerris V.**, Georgiades C.
Cardiovasc Intervent Radiol. 2016 Dec. 39 (12): 1722 – 1727
- 2015 The effect of spinal osteotomies on spinal cord tension and dural buckling: a cadaveric study.
Safain MG, Burke SM, Riesenburger RI, **Zerris V**, Hwang SW. J Neurosurg Spine. 2015 Apr 17:1-8.
- 2014 Pigmented villonodular synovitis of the thoracic spine.
Roguski M, Safain MG, **Zerris VA**, Kryzanski JT, Thomas CB, Magge SN, Riesenburger RI. J Clin Neurosci. 2014 Oct; 21(10):1679-85.
- 2010 Robin BN, Chaput CD, Zeitouni S, Rahm MD, **Zerris VA**, Sampson HW.
Cytokine-mediated inflammatory reaction following posterior cervical decompression and fusion with BMP.
Spine (Phila Pa 1976). 2010 Nov 1; 35(23):E1350-4.
- 2009 Riesenburger RI, Hwang SW, **Zerris V**, Wu JK, Mahn K, Kilmo Jr P, Mignano J, Thompson CK, Yao KC. “Outcomes Following Single Treatment Gamma Knife Radiosurgery for Trigeminal Neuralgia with Minimum 3 Year Follow-up.” J Neurosurg. 2009 Sep 25.
- Heilman CB, **Zerris VA**. Images in clinical medicine. Combined – system disease. New England Journal of Medicine. 2009 Jun 18; 360(25):2655.
- 2007 G. M. Friehs, M. C. Park, **V. A. Zerris**, M. A. Goldman, G. C. Norén, P. Sampath. Stereotactic Radiosurgery For Functional Disorders. Neurosurg Focus. 2007; 23(6):E3. Review
- V. A. Zerris**, K. James, C. B. Heilman. Comparison of the mechanical and biologic properties of three bovine derived dural substitutes. J Biomed Mater Res B Appl Biomater. 2007 Apr 26.
- C. M. Schirmer, **V. Zerris**, A. M. Malek. Electrocautery-induced ignition of spark showers and self-sustained combustion of onyx ethylene-vinyl alcohol copolymer. Neurosurgery. 2006 Oct; 59(4 Suppl 2):ONS413-8.
- 2005 **Zerris VA**, Noren GC, Shucart WA, Rogg J, Friehs GM. Targeting the Cranial Nerve: Microradiosurgery for Trigeminal Neuralgia with CISS and 3D-flash MR Imaging Sequences. J Neurosurg. 2005 Jan; 102 Suppl: 107-10.
- Chaves C, Freidberg SR, Lee G, **Zerris V**, Ries S, Chavali R. Cerebral vasospasm following intracranial hypotension caused by cerebrospinal fluid leak from an incidental lumbar durotomy. Case report. J Neurosurg. 2005 Jan; 102(1):152-5
- 2004 G. M. Friehs, **V. A. Zerris**, C. L. Ojakangas, M. R. Fellows, John P. Donoghue. Brain-Machine and Brain-Computer Interfaces. Stroke. 2004 Nov; 35(11 Suppl 1):2702-5.
- 2002 **V. A. Zerris**, D. Annino, C. B. Heilman. Nasofrontal Dermoid Sinus Cyst: Report of Two Cases. Neurosurgery. 2002 Sep; 51(3): 811-4; discussion 814.
- V. A. Zerris**, Z. Zheng, G C. Noren,, A. Sungarian, G. M. Friehs. Radiation and Regeneration: Behavioral Improvement and GDNF Expression after Gamma Knife Radiosurgery in the 6-OHDA Rodent Model of Hemiparkinsonism. Acta Neurochir Suppl. 2002; 84:99-105.
- C. B. Heilman, **V. A. Zerris**. Transient choroid plexus cysts and benign asymmetrical ventricles: a case suggesting a possible link: case report.
Neurosurgery. 2003 Jan; 52(1):213-5.

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M. Rosenberg, **V. Zerris**, J. Borden. Gamma knife radiosurgery for the treatment of trigeminal neuralgia. *J Mass Dent Soc.* 2001 Fall; 50(3):40-3, 49.

Selected Abstracts:

- 2013 **V. A. Zerris.** Management of spinal injuries. 7th Conference of the Hellenic Society for Trauma & Emergency Surgery. Athens, Greece, 2013
- V. A. Zerris.** Monitoring of head injuries. 7th Conference of the Hellenic Society for Trauma & Emergency Surgery. Athens, Greece, 2013
- V. A. Zerris.** Minimally Invasive Neurosurgery. 4th International congress in Cyprus. Cyprus, 2013
- 2011 **Zerris VA.** Calcified Thoracic Disks: Minimally Invasive, Transthoracic, Vertebral Body Sparing Approach. *Society of University Neurosurgeons. Istanbul, 2011*
- 2009 G. M. Friehs, **V. A. Zerris.** Deep Brain Stimulation and Chronic Spinal Pain. *World Congress of Neurological Surgeons. Boston, 2009*
- 2006 R. I. Riesenburger, **V. A. Zerris**, K. C. Yao, F. G. Barker. Long-term Outcomes for Trigeminal Neuralgia after Gamma Knife Radiosurgery. *Congress of Neurological Surgeons, San Diego, 2006.*
- G. Friehs, R. D. Penn, M. C. Park, M. Goldman, **V. A. Zerris**, L. R. Hochberg, D. Chen, J. Mukand, J. D. Donoghue. Initial Surgical Experience with an Intracortical Microelectrode Array for Brain-Computer Interface. *Congress of Neurological Surgeons, San Diego, 2006.*
- 2005 **V. A. Zerris.** Gamma Knife Radiosurgery for Malignant Metastatic Brain Disease. Hygeia Hospital-Harvard Medical International Cancer Symposium.
- V. A. Zerris.** Gamma Knife Radiosurgery for Ocular Melanoma. Hygeia Hospital-Harvard Medical International Cancer Symposium.
- V. A. Zerris**, J. D. Donoghue, L. H. Hochberg, G. M. Friehs. BRAINGATE: Turning Thought into Action: First Experience with a Human Neuro-Motor Prosthesis. *Congress of Neurological Surgeons, Boston, 2005.*
- M. C. Park, **V. Zerris**, L. Hochberg, John Donoghue, J. A. Mukand, G. Friehs. BrainGateTM: First Experience with an Implantable Human Neuro-Motor Prosthesis. *North American Neuromodulation Society, Washington DC, 2005*
- V. A. Zerris**, D. Annino, C. B. Heilman. Endoscopic Endonasal Surgery of Clivus Lesions. *New England Neurosurgical Society, Boston, 2005*
- 2004 **Zerris VA**, Noren GC, Shucart WA, Rogg J, Friehs GM. Targeting the Cranial Nerve: Microradiosurgery for Trigeminal Neuralgia with CISS and 3D-flash MR Imaging Sequences. *12th Leksell Gamma Knife Society Meeting, Vienna/Austria, 2004.*
- 2002 **V. Zerris**, J. Arle, J. Shils, R. Alterman. Effects of Pallidotomy on the Parkinsonian Subthalamic Nucleus. *Quadrennial Meeting of the American Society for Stereotactic and Functional Neurosurgery, New York, 2003.*
- C. B. Heilman, N. Blevins, **V. A. Zerris**, D. Poe. Facial Nerve Manipulation During Jugular Foramen Surgery. *14th North American Skull Base Society Meeting, Memphis, 2003.*
- V. A. Zerris**, C. B. Thomas, S. N. Magge. Pigmented Villonodular Synovitis of the Thoracic Spine: Case Report and Review of the Literature. *New England Neurosurgical Society, Newport, 2002.*

Vasilios A. Zerris, MD MPH, MSc, FAANS

C. B. Heilman, **V. A. Zerris**. Transient Choroid Plexus Cysts and Benign Asymmetric Ventricles: A Case Report Suggesting A Possible Link. *New England Neurosurgical Society, Vermont, 2002*.

V. A. Zerris, C. B. Heilman. Combined System Disease. *New England Neurosurgical Society, Vermont, 2002*.

- 2001 C. B. Heilman, **V. A. Zerris**. Nasofrontal Dermoid Sinus Cyst: Report of Two Cases. *New England Neurosurgical Society, Massachusetts, 2001*.
- 2000 *Friehs GM, Zerris V*, Sungarian A, Zheng Z, Radiation and Regeneration: Histochemical and Behavioral Effects in the Parkinsonian Mammalian CNS; Leksell Gamma Knife Meeting, Squa Valley, CA, April 14-17, 2000
- 1999 **V. A. Zerris**, G. C. Noren, Z. Zheng, B. Ponte, G. M. Friehs. Effects of Striatal Gamma Knife Lesioning on Behavioral Testing and GDNF Expression in Hemi-Parkinsonian Rats. *LINAC Radiosurgery Meeting, Florida, 1999*.
- 1998 **V. A. Zerris**, G. M. Friehs. Effects of Striatal Gamma-Knife Lesioning on the Dopaminergic system in Hemi-Parkinsonian Rats. *Fifth World Hellenic Biomedical Conference, New York, 1998*.
- 1997 *Friehs GM, Smeaton S, Sungarian A. Zerris V*, Huber R, Wojcik B, Stopa E. Evidence for Radiosurgery-Induced Regeneration in the Striatum of 6-OHDA Hemiparkinsonian Rats. Abstract for 8th International Leksell Gamma Knife Society Meeting, June 22-25, 1997 in Lyon, France
- G. M. Friehs, S. Smeaton, **V. A. Zerris**. Dopamine and Acetylcholine levels in 6'-Hydroxydopamine treated Rats after Striatal Gamma-Knife Lesioning. *Leksell Gamma-Knife Conference, France, 1997*.

Research Projects

- Principal Investigator 450,000 \$ Grant. Anaerobic bacteria as Tumor-Targeted Carriers for Oncolytic Cancer Therapy. My project is based and is in cooperation with the university of Nottingham. It sponsors and supervises a PhD student and investigates the efficacy of using bacterial spores as tumor specific carriers for chemotherapeutic and anti-angiogenic factors.
- Co-Investigator Evidence Study- Re-operation vs. Spinal Cord Stimulation with Precision SCS System for failed back surgery.
- Co-Investigator Medtronic Active Dystonia Therapy HUD - utilized for Parkinson and Psychiatric Disorders
- Co-Investigator Infusion Systems- ITD system (intrathecal drug delivery system), Advanced Bionics Inc.

Administrative Positions:

- 2018 – Current Chairman of Neurosurgery of Hygeia Hospital
- 2020- Current Chairman of Pediatric Neurosurgery Mitera Children Hospital
- 2017 – 2020 Chairman of Pediatric Neurosurgery Iaso Children Hospital
- 2014 – 2018 Chairman of Neurosurgery of Henry Dunant Hospital Center and Founder of the unique Center for Pain & Spine.
- 2013-2014 Professor of Neurosurgery and Director of the Medical School, Phase I & II. University of Cyprus School of Medicine. The University of Cyprus is the Official University of the Government of Cyprus.

Vasilios A. Zerris, MD MPH, MSc, FAANS

- 2010-2012 Program Director of Neurosurgical Education and Fellowship, Scott and White Memorial Hospital, Texas A & M University. In charge of all Educational Activities including Medical Student, Resident and Fellow Education for the Department of Neurosurgery
Administrative Achievement: Set up de novo the entire educational and training program in neurosurgery at Texas A & M University, including one of the very few Board approved combined Spine/Pain fellowships in the United States. In addition to creating the curriculum and teaching the fellows, I also arranged for all of the program funding.
- 2010-2012 Medical Student Clerkship Director for Neurosurgery, Scott and White Memorial Hospital, Texas A & M University. Organized the entire curriculum/syllabus, taught the medical students and evaluated their performance during their clerkship.
- 2010-2012 Neurosurgical appointee for the hospital Accreditation Council for Graduate Medical Education (ACGME) Committee. Participated in monthly ACGME hospital meetings and maintained compliance of Neurosurgical Educational Activities for Medical Students, Residents and Fellows with the national ACGME Guidelines. The Accreditation Council for Graduate Medical Education (ACGME) is a private professional organization responsible for the accreditation of 8,887 residency education programs. Stakeholders of the ACGME's accreditation process are residency programs, their sponsoring institutions, residents, medical students, the specialty boards of the American Board of Medical Specialties (ABMS), patients, payers, government and the general public. The ACGME accredits residency programs in 133 specialty and subspecialty areas of medicine, including all programs leading to primary Board certification by the 24 member boards of the American Board of Medical Specialties.
- 2008-2012 Vice-Chairman Scott and White-Baylor Hospital System and Chief of Neurosurgery, University Medical Campus, Texas A & M University.
Administrative Achievement: Personally recruited 4 out of 5 of the neurosurgeons in the current neurosurgery department. Developed faculty recruitment and evaluation program. Developed neurosurgical clinical pathways. Was in charge of business development in the southern territories. Was in charge of clinical benchmarking and clinical review processes such as M&M, infection compliance etc.
- 2008-2012 Director of the Center for Minimally Invasive Neurosurgery, Scott and White Memorial Hospital, Texas A & M University.
Administrative Achievement: Set up and administered all of the day to day operations for the Center for Minimally Invasive Neurosurgery and the neurosurgical spine/pain service at Scott and White hospital. Amongst others, formulated Center Strategy, Goal Compliance and staff alignment.
- 2006 Chief Resident in Neurosurgery NEMC-Tufts University
- 2005 Chief Resident in Neurosurgery BIDM-Harvard University
- 2004 Chief Resident in Neurosurgery Lahey Clinic-Lahey Clinic Foundation
- 1998-2000 Director, Movement Disorder Laboratory, Neurosurgery Foundation, Brown University.
Supervised and administered the day-to-day activities of the laboratory including the financial, operational, academic and compliance aspects.

Languages:

Primary: Greek, English
Secondary: Medical Spanish and French

Vasilios A. Zerris, MD MPH, MSc, FAANS

Awards and Distinctions:

2016 – Present	Member of SOLAS
2007 - Present	Multiple Philanthropic Donations in honor of MD to the Scott and White Foundation
2003	Oliver Smith Award, New England Medical Center.
1996-2000	First student at Brown University to complete an M.D. and two additional graduate degrees (M.M.Sc. & M.P.H.) within the four years of medical school.
1996-2000	M.D. with academic distinction. Graduated from medical school in the outstanding category, the highest academic category at Brown University.
2000	Stanley Aronson cash prize for the graduating medical student who excelled in the neurosciences.
2000	Elected full member to SigmaXi honors science society.
2000	New England Hellenic Medical Society research award.
1998	First student at Brown University to be awarded a Master in Medical Science from the department of Neuroscience.

Board Certification/ Licenses:

2012	Fellow of the American Association of Neurological Surgeons
2012	Diplomate of the American Board of Neurological Surgery
2012	Republic Of Cyprus Medical License
2011	Unrestricted acceptance into General Medical Council and specialty registry in the UK
2007	Texas Medical License
2007	Athens Medical License (Athens, Greece)
2007	Board Certified by the Greek Board (EU) of Neurological Surgery
2006	Illinois Medical License
2006	American Board of Neurological Surgery Written Board Certification Exam
2004	Rhode Island Medical License
2003	National Board of Medical Examiners
2003	United States Medical Licensing Examinations: 2003 USMLE Step 3 2002 USMLE Step 2 1998 USMLE Step 1

Vasilios A. Zerris, MD MPH, MSc, FAANS

2000 Massachusetts Medical License

Hospital Appointments:

Mitera Children's Hospital	Athens, Greece
Hygeia Hospital	Athens, Greece
Iaso Children's Hospital	Athens, Greece
American Medical Center	Nicosia, Cyprus
Polyclinic Hygeia	Limassol, Cyprus
McLane Children Hospital	Temple, TX
Scott & White Memorial Hospital	Temple, TX
Hillcrest Hospital	Waco, TX
Carl Clinic Foundation Hospitals	Urbana, IL
Beth Israel Deaconess Medical Center Harvard University	Boston, MA
New England Medical Center Tufts University	Boston, MA
Lahey Clinic	Burlington, MA
Rhode Island Hospital	Providence, RI
Hasbro Children's Hospital	Providence, RI
Newton Wesley Hospital	Boston, MA
Lemuel Shattuck Hospital	Boston, MA