

VITAE

George Frederick Cravens, M.D., F.A.A.N.S., F.A.C.S.

**The Center for Neurological Disorders,
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Dr. George F. Cravens was among the first in Fort Worth to specialize in microneurosurgery: utilization of the microscope; image guided, stereotactic computer-assisted surgery; intracavitary chemotherapy; programmable ventriculoperitoneal shunt; utilization of CO2 laser for peripheral nerve surgeries, intracranial and spinal cord tumors; neuroendoscopy for treatment of cranial lesions; microvascular neurosurgery; spinal instrumentation; intraoperative evoked potential and transcranial doplar monitoring. He has performed over 9,000 surgical cases, including 3,000 craniotomies.

Committed to research and innovation, Dr. Cravens created an unprecedented continuum of care in a non-hospital environment, The Center for Neurological Disorders, by bringing together in one location the specialists needed for the treatment of neurological disease.

Board Certification

Board: American Board of Neurological Surgery
Date: September 1989 Number #8994

Trauma Certification

Course: Advanced Trauma Life Support 1996 initially with recertification 1996 to present

Licensure

State: Texas Number: F6547 Dates: 1980 to present
State: Louisiana Number: 05269R Dates: 1980 to present

Education

Fellowship: Neurochirurgische Universtat Klink
8091 Zurich

Professor Mahmut Gazi Yasargil, MD
Ramistrasse 100 Switzerland
Neurological Surgery
July 1986 – January 1987

Residency: Louisiana State University Medical Center
Charity Hospital and Ochsner Foundation

New Orleans, Louisiana
Neurological Surgery, Chief Resident (1985-1986)
July 1981- June 1986

University of Toronto
Sunnybrook Hospital Regional Trauma Center
Toronto, Ontario Canada
Neurological Surgery, Chief Resident
January 1984 – June 1984

Internship: Louisiana State University Medical Center
Charity Hospital at New Orleans
New Orleans, Louisiana
General Surgery
1980-1981

Medical: University of Texas Health Science Center at Dallas
Southwestern Medical School
Dallas, Texas
Doctor of Medicine
1976-1980

College: University of Texas at Austin (Honors)
Austin, Texas
Bachelor of Arts; Biology
1973-1976

Committee/Appointments

Chairman, Department of Neurosurgery, John Peter Smith Hospital (JPS), 1999-present
Chancellor's Council of The University of Texas System, 2010-present
Board of Trustees, Davey O'Brien Foundation, 2001-present
Trauma Quality Improvement Committee, JPS, 1995-present
Surgery Department Quality Improvement Team, JPS, 1995-present
Governor's EMS and Trauma Advisory Council (GETAC) Stroke Committee
Adjunct Clinical Assistant Professor, University of North Texas Health Science
Center at Fort Worth 2013-2016
JPS, Chairs Committee
JPS, Medical Executive Committee
JPS, OR/OPS Committee
JPS, Ortho Spine Committee
JPS, Chief of Spine Service
JPS, Trauma Committee
JPS, Stroke Committee

Director, NICU, Plaza Medical Center, 1996-2013
Chairman Stroke Team, Plaza Medical Center, 1999-2013
Critical Care Committee, Plaza Medical Center, 1995-2013
Surgery Quality Assurance and Improvement Committee, Plaza Medical Center, 1995-2013
Sports Medicine Committee, Tarrant County Medical Society, 1995-2008
Board of Trustees, Plaza Medical Center, 2002-2006
Director, Neurosurgical Program, all Saints Episcopal Hospital 1996-2003
Texas Association of Neurological Surgeons, Director-at-Large, 1999-2002
Public Health Advisory & School Committee, Tarrant County Medical Society, 1990-1999
Advisory Committee, Surgical Technology Program, Tarrant County Junior College District, 1995-1999
Neurosurgical Critical Pathways Committee, The Center for Neurological Disorders and Plaza Medical Center, 1994-1995
Constitution and Bylaws Committee, Tarrant County Medical Society, 1992-1995
Surgery Policy Committee, Saint Joseph Hospital, 1993-1994
Critical Care Committee, Saint Joseph Hospital 1993-1994
Task Force Committee, Harris Methodist Fort Worth, 1992
Emergency Room Committee, Harris Methodist Fort Worth, 1989-1992
Trauma Committee, Harris Methodist Fort Worth, 1989-1992
Chairman of Surgery, Harris Methodist Continued Care, 1989-1990
Intensive Care Committee, Saint Joseph Hospital, 1989-1990

Teaching Experience

Department of Physician Assistant Studies in the School of Health Professions at the University of North Texas Health Science Center at Fort Worth
Department of Neurosurgery and Department of Orthopedic Surgery Spine Service Tarrant County Hospital District, JPS, Active Teaching Staff, Neurosurgery, 1995-present (orthopedic/spine residents)
American Association of Certified Nurses Critical Care Course, Fort Worth, Texas 1991 and 1993
Senior Neuroscience Course, LSUMC, 1985-1986
Cook County Graduate School of Medicine, Microsurgery and Microsurgery of Peripheral Nerves, Course Coordinators, D. Kline and A. Hudson, 1985

Professional Associations

Tarrant County Medical Society
Texas Medical Association
Texas Medical Foundation

American Medical Association
Fellow, Congress of Neurological Surgeons
Fellow, American Association of Neurological Surgeons
Fellow, American College of Surgeons
Fellow, International College of Surgeons
Diplomat, American Board of Neurological Surgery
Society of the Joint Section on Cerebrovascular Surgery
Society of the Joint Section on Tumors of the AANS/CNS
Society of the Joint Section on Neurotrauma and Critical Care of the AAN/CNS
Society of the Joint Section on Disorders of the Spine and Peripheral Nerves of the
AANS/CNS
Society for Neuro-Oncology
North American Skull Base Society
Rocky Mountain Neurological Society
Fellow, American Society for Laser Medicine and Surgery
Southern Neurosurgical Society
Alumni Association, LSU Neurosurgeons (*Secretary 1994*)
Texas Association of Neurological Surgeons (*Director-at-large, 1999-2002*)
American Heart Association Scientific Council on Stroke (*April 1, 2000 – March 31,
2001 to present*)

Clinical Studies

Spinal Cord Injury Committee, Society of the Joint Section on Neurotrauma and Critical
Care of the AANS/CNS
Brain Attack Coalition

Research Interests

Spinal cord injury
Traumatic brain injury
Peripheral nerve injuries and repair/Microscope CO2 Laser
Stroke: cerebral blood flow correlation with evoked cortical responses.
(motor and sensory action potentials)
Microvascular neurosurgery

Presentations / Abstracts

“Posterior Interosseous Nerve Palsies,” Southern Neurosurgical Society, 1986
“Bipolaris Austaliensis Infection Presenting in Intracranial Mass Lesion Following
Ethmoid Sinus Surgery,” Southern Neurosurgical Society, June 1998
“Brain Tumors, AVMs and Trauma,” Association of Operating Room Nurses, October
2001

“Use of Transcranial Doppler in Patients with Severe Traumatic Brain Injury,” Ziegler D, Cravens G, Angles G, Gandhi R, Cho P. Presented at the 30th International Symposium on Intensive Care and Emergency Medicine, Brussels, Belgium, March 9-12, 2010

Publications

“Surgical Approaches to ‘Inaccessible’ Brain tumors,” Yasargil M., Cravens, G.F., Roth, P. *Clinical Neurosurgery*, 1986. Vol. 34

Manuscript Review and Galley Proof Corrections of *Microsurgery*, Yasargil, M., 1987, Vol. III A and III B

“Spinal Cord Compression Due to Intradural Extramedullary Aspergilloma and Cyst: Case Reports,” Cravens, G.F. *Surgical Neurology*, April 1989, Vol. 31, No. 4

“Posterior Interosseous Nerve Palsies,” Cravens, G.F., Kline, D. *Neurosurgery*, 1990, 27:3, 397-402

Microneurosurgery, CNS Tumors: Yasargil, M., Collaboration: T.E. Adamson, R.J. Johnson, J.D. Reeves, P.J. Teddy, A. Valavanis, W. Wichman, A.M. Wild, P.H. Young and G.F. Cravens, 1994. Vol. IV A

Microneurosurgery, CNS Tumors: Yasargil, M., Collaboration: T.E. Adamson, R.J. Johnson, J.D. Reeves, P.J. Teddy, A. Valavanis, W. Wichman, A.M. Wild, P.H. Young and G.F. Cravens, 1994. Vol. IV B

“Management of embedded foreign body: penetrating stab wound to the head.” Martin, S., Raup, G. H., Cravens, G., Arena-Marshall, C. *J Trauma Nurs*. June 2009

“Can trauma surgeons manage mild traumatic brain injuries?” Overton, T. L., Shafi, S., Cravens, G.G., Gandhi, R. R., *Am. J. Surg.*, April 2014

“Use of Transcranial Doppler in Patients with Severe Traumatic Brain Injuries.” Ziegler Daniel, Cravens George, Poche Gerard, Gandhi Raj, and Tellez Mark. *Journal of Neurotrauma*. June 2016, ahead of print. doi: 10.1089/neu.2015.3967

“Isolated hemangioblastoma of the cervical spinal cord: A case report.” Vo, Dat T, Cravens George, Germann, Robert, *International Journal of Surgery Case Reports* 26 (2016) 7-11

“Streptococcus pneumoniae meningitis complicated by an intramedullary abscess: a case report and review of the literature.” Vo, Dat T, Cravens George, Germann Robert. Journal of Medical Case Reports (2016) 10:290 doi 10.1186/s13256-016-1080-7

“Novel use of an Image-Guided Stereotactic Approach in Trauma for Localization of Transcranial Bullet.” Vo Dat T, Cravens George, Germann Robert. (July 21, 2017) Cureus 9(7): e1501. DOI 10.7759/cureus.1501

Video Cassette Publications

Microneurosurgery, Aneurysms, Tape 1, Yasargil, M., Collaborator, M.V. Reichman, Tape selection and review for publication, G.F. Cravens, 1987

Microneurosurgery, Aneurysms, Tape 1I, Yasargil, M., Collaborator, M.V. Reichman, Tape selection and review for publication, G.F. Cravens, 1987

Microneurosurgery, Arteriovenous Malformation, Video Cassette 3, Yasargil, M., Collaborators, C. Abernathy, G.F. Cravens, 1989

Microneurosurgery, Arteriovenous Malformations, Video Cassette 4, Yasargil, M., Collaborators, C Abernathy, G.F. Cravens, 1990

Awards and Honors

Outstanding Teaching Resident Award 1986

Neurosurgery Best Clinical Department Resident 1982

Dean’s List (College) 1973-1976

PTA College Scholarship 1973