

Curriculum Vitae

NAME: Anthony Vito Maioriello M.D. M.S.

PRESENT POSITION AND ADDRESS (starting 3/07):

Neurosurgeon/CEO, and founder of:
Midwest Brain & Spine, LLC
3400 Dexter Court, Suite 200
Davenport, Iowa 52807-3461
Tel. (563) 344-8330
Fax. (563) 344-8339

PREVIOUS POSITION AND ADDRESS:

Neurosurgeon
Quad City Neurosurgical Associates, P.C.
1351 West Central Park, Suite 4300
Davenport, Iowa 52804
Tel. (563) 383-2763
Fax. (563) 328-5500

EDUCATION:

M.D. RUSH MEDICAL COLLEGE
Chicago, Illinois
September 1994 – May 1998

M.S. NORTHWESTERN UNIVERSITY
Evanston, Illinois
Master of Science: Neurobiology and Physiology
September 1993 – June 1994

B.S. ILLINOIS BENEDICTINE COLLEGE
Lisle, Illinois
Bachelor of Science: Biochemistry
August 1989 – May 1993

RESIDENCY:

- July 1999 – June 2004 Neurosurgery Residency (PGY II- VI)
University of Texas Medical Branch
Galveston, TX
- June 1998 – July 1999 Surgical Internship in General Surgery (PGY I)
University of Texas Medical Branch
Galveston, TX

HONORS AND AWARDS:

- 1996 – 1998 Clinical Honors: Neurosurgery, Electrocardiography
Clinical High Pass: Internal Medicine, Neurology, Ob/Gyn
- 1994 – 1996 Pre-clinical Honors: Gross Anatomy I & II, Neurobiology
- 1995 Dean's Medical Student Summer Research Fellowship
- 1992 Biochemistry Achievement Award
- 1991 American Chemical Society Polymer Award
Awarded each year to the top student in Organic Chemistry
- 1991 Dr. Al J. Havlik Memorial Scholarship Award
Awarded for academic excellence
- 1989 – 1993 IBC Recognition Scholarship Award
- 1991 – 1993 Dean's List

ACTIVITIES AND ORGANIZATIONS:

- 2000 – 2003 Established and directed the Microneurosurgical Anatomy
Dissection Lab for the Neurosurgical Residents
- 1998 – Present American Association of Neurological Surgeons
- 1998 – Present Congress of Neurological Surgeons
- 1995 – 1998 Neuroanatomy and Physiology Tutor for Medical Students
- 1994 – 1998 American Medical Association, Medical Student Section
- 1994 – 1998 Chicago Medical Society
- 1994 – 1998 Illinois State Medical Society

1994 – 1998	American Medical Student Association
1991 – 1993	Organic Chemistry Teaching Assistant and Tutor
1989 – 1993	Illinois Benedictine College Soccer Team
1989 – 1993	American Chemical Society
1989 – 1993	Tri-Beta Biological Society

PUBLIC SERVICE:

Steering Committee member for the Community Health Clinic
Responsibilities included organizing and coordinating activities of the clinic, in addition to teaching physical diagnosis and patient management to first and second year medical students.

St. Basil's Free People's Clinic: Medical Student Volunteer

Franciscan Homeless Shelter Clinic: Medical Student Volunteer

EMPLOYMENT EXPERIENCE:

Quad City Neurosurgical Associates, P.C., Davenport, Iowa:
Staff Neurosurgeon, June 2004 - March 2007

University of Texas Medical Branch, Department of Surgery, and
Division of Neurosurgery, Galveston Texas:
Residency and Internship June 1998 - June 2004

Rush Medical College, Department of Neurosurgery:
Summer Research Fellow 1995

Grove Memorial Chapel, Elk Grove Village Illinois:
Management responsibilities, Funeral Director, and Embalming
Family Business

Midwest Sports and Rehabilitative Medicine:
Office assistant 1992

Enesco Corporation: 1990

RESEARCH EXPERIENCE:

- 2001 **Magnetic Resonance Spectroscopy Target Selection for
Stereotactic Biopsy of Non-enhancing Lesions.**
MD Anderson Cancer Center
Houston, TX
- 2000 **Multivoxel ¹H Magnetic Resonance Spectroscopy for the
Determination of Adequate Cerebral Perfusion Pressure in
Severe Head Injury.**
Principal Investigator: Anthony Maioriello M.D. M.S.
IRB # 00-327
University of Texas Medical Branch
Galveston, TX
- 2000 – 2001 **Chemical Shift Imaging of Mannitol in Acute Cerebral
Ischemia.**
University of Texas Medical Branch
Galveston, TX

- 1995 **Effects of Intrathecal Somatostatin and its analogs on Mechanical Allodynia in the Rat.**
Summer Research Fellowship
Rush Medical College
Chicago, IL
Advisor: Jeffrey S. Kroin Ph.D., Department of Neurosurgery.
- 1993 – 1994 **Antiretroviral Nucleoside Transport into Brain: pharmacokinetics of 3'-azido-3'-deoxythymidine.**
Master of Science Thesis
Northwestern University
Evanston, IL
Advisor: Dennis Groothuis M.D., Brain Tumor Research Department of Evanston Hospital.
- 1992 – 1993 **Novel and Facile Synthesis of Dihydroxyacetone Phosphate.**
Bachelor of Science Thesis
Illinois Benedictine College
Lisle, IL
Advisor: Edward Ferroni Ph.D., Department of Biochemistry

PUBLICATIONS:

Maioriello A.V., Chaljub G., Nauta H.J.W., and Lacroix M.: **Chemical Shift Imaging of Mannitol in Acute Cerebral Ischemia.** Journal of Neurosurgery Vol 97 #3 pp687-691, September 2002.

Chaljub G., Mandava P., Pincus T., Madamba A., Hernandez J., Guinto F., Maioriello A.V., and Vrabc J.: **Magnetic Resonance Imaging of the Cavernous Sinus with CT and Angiographic Correlation.** Accepted for publication in the Journal of Clinical Neurology and Neurosurgery.

Maioriello A.V., Weinberg J., Jackson E., Fuller G., and Hassenbush S.: **Magnetic Resonance Spectroscopy Target Selection for Stereotactic Biopsy of Non-enhancing Lesions.** Submitted to Neuro-Oncology.

Kroin J.S., Maioriello A.V., and Penn R.D.: **Effect of Intrathecal Somatostatin and its Analogs on Mechanical Allodynia in the Rat.** Society for Neuroscience Abstracts, Vol. 22 Part 2, pg. 874, #345.1, 1996.

SCIENTIFIC PRESENTATIONS:

Gloss D., Hanbali F., **Maioriello A.V.**, Gadre A.K., Nauta H., Patterson J.T. **Intraoperative CT Scan as an Adjunct in Transoral Approaches for Craniocervical Decompression.** Congress of Neurological Surgeons Annual Meeting, San Francisco, CA, October 2004.

Maioriello A.V., Weinberg J., Jackson E., Fuller G., and Hassenbush S. **Magnetic Resonance Spectroscopy Target Selection for Stereotactic Biopsy of Non-enhancing Lesions.** Congress of Neurological Surgeons Annual Meeting, Philadelphia, PA, September 2002.

Maioriello A.V., Chaljub G., Nauta H.J., Lacroix M. **Chemical Shift Imaging of Mannitol in Acute Cerebral Ischemia.** American Association of Neurological Surgeons Annual Meeting, Chicago IL, April 2002.

Kroin J.S., **Maioriello A.V.**, Penn R.D. **Effect of Intrathecal Somatostatin and its Analogs on Mechanical Allodynia in the Rat.** Society for Neuroscience, Washington DC, November 1996.

CLINICAL PRESENTATIONS:

Maioriello A.V. **Minimally Invasive Techniques Developed for Outpatient Spine Surgery.** Presented to Iowa and Illinois Chiropractic associations and for Genesis Medical Center. February, March, and April 2006.

Maioriello A.V. **Traumatic Brain Injury.** EMS National Registry Mandatory Refresher Curriculum, Eastern Iowa Community College District, February 2005.

Maioriello A.V. **Traumatic Brain Injury and Management of Increased Intracranial Pressure.** Genesis Medical Center Trauma Conference. January 2005.

Maioriello A.V. **Magnetic Resonance Spectroscopy Target Selection for Stereotactic Biopsy of Non-enhancing Lesions.** Tumor Board, MD Anderson Cancer Center, December 2001.

Maioriello A.V. **Neuroanatomy and Neurotrauma Lectures.** Continuing Nursing Education. University of Texas Medical Branch, May 2001.

Maioriello A.V. **Detection of Mannitol in Areas of Stroke Underlying an Acute on Chronic Subdural Hematoma.** Neurology / Neurosurgery Grand Rounds, June 2001.

Maioriello A.V. **Principles of Magnetic Resonance Imaging and Spectroscopy.** Neurology / Neurosurgery Grand Rounds, June 2001.

Maioriello A.V. **Peripheral Nerve Injuries and Repair.** Neurology / Neurosurgery Grand Rounds, November 2000.

Maioriello A.V. **Meningiomas.** Neurology / Neurosurgery grand Rounds, September 2000.

Maioriello A.V. **Cervical Spine Trauma.** Neurology / Neurosurgery Grand Rounds, April 2000.

Maioriello A.V. **Management of Increased Intracranial Pressure.** Neurology / Neurosurgery Grand Rounds, December 1999.

Maioriello A.V. **Pathophysiology of Increased Intracranial Pressure.** Neurology / Neurosurgery Grand Rounds, December 1999.

Maioriello A.V. **Management of Open Depressed Skull Fractures.** Neurology / Neurosurgery Grand Rounds, August 1999.