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CURRICULUM VITAE
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Education

1988-1992 M.D., Brown University School of Medicine
1984-1988 B.S. in Biology, Yale University, New Haven, CT

Post Graduate Training

1993-1999 Resident, Program in Neurological Surgery, Brown University
1992-1993 Surgical Internship, Brown University Program in General Surgery

Honors and Awards

2001 Kaiser Permanente James A. Vohs Award for Quality for the
Northwest Integrated Pain Management Program
1992 Patricia McCormick Prize for Outstanding Achievement, Brown
University Medical School
1992 Stanley M. Aronson Prize for Excellence in Neuroscience, Brown
University Medical School
1988 *Cum Laude* graduate, Yale University
1987-1988 Quonset Point Management Scholarship, Yale University

Professional Licenses and Board Certifications

Rhode Island State Medical License, MD11912
Massachusetts State Medical License, 246231
DEA, BG6422365

American Board of Neurosurgeons Board Certification, 2003

Hospital Appointments

2018-Present	Neurosurgeon, Lifespan Physician Group
2010-2018	Physician Partner, OrthoRI, West Bay Division
2015-present	Neurosurgical Director, Kent Hospital Spine Service
2005-2010	Founder, Ocean State Neurosurgery, LLC
2005-present	Medical Director of Neurosurgery, Kent Hospital, Warwick, RI
2004-2005	Physician, Upper Valley Neurology and Neurosurgery 100 Hanover Street Lebanon, NH 03755
1999-2004	Senior Physician, Department of Neurosurgery, Northwest Permanente, P.C., Physicians and Surgeons Kaiser Sunnyside Hospital 10180 Sunnyside Road Clackamas, OR 97105

Membership in Societies

American Association of Neurological Surgeons
Congress of Neurological Surgeons
North American Spine Society

Publications

Articles

M.A. Guglielmo, P.T. Chan, S.Cortez, E.G. Stopa, P.McMillan, C.E. Johanson, M.Epstein and C.E. Doberstein: The Temporal Profile and Morphologic Features of Neuronal Death in Human Stroke Resemble Those Observed in Experimental Forebrain Ischemia: the Potential Role of Apoptosis, *Neurological Research*, 20:1998.

M.A. Guglielmo, R. Ridzon: Frontal Sinusitis Causing a Fatal Brain Abscess, *Emergency Medicine and Acute Primary Care*, vol.166(121),August,1997.

M.A. Guglielmo and C. Doberstein, "Vascular Malformations" in Prognosis in Neurology, J. Gilchrist, ed., Butterworth-Heinemann: Boston, 1998.

M.A. Guglielmo, MD, C. Doberstein, MD, Concurrent Rupture of an Intracranial and Mesenteric Aneurysm: A Case Report. *Journal of Neurovascular Disease*, Vol.3, No.1, pp 27-30, 1998.

D.E. Palm, N. Knuckey, M. Guglielmo, P. Watson, M. Primiano, C. Johanson: Temporal Profile of Electrolyte and Ultrastructural Changes in the Choroid Plexus Following Transient Forebrain Ischemia. *Amer. J. Physiol.*, 269: R73-R79, 1992.

D.E. Palm, P. Watson, J. Osborne, M. Guglielmo, C. Johanson, N. Knuckey: Effects of Acute Transient Ischemia on Choroid Plexus Function and Structure. *FASEB Abstracts*, 6: A1062, 1992.

M.J. Tramo, M.A. Guglielmo, P. Reuter-Lorenz, M. Gazzaniga: Left Hemi-spatial Neglect: Quantitative Cortical Mapping and Recovery Patterns. *Annals of Neurology*, 28: 255A, 1990.

Presentations

M. Guglielmo, P.Chan, M. Mittler, C. Johanson, M. Epstein, and C. Doberstein: Intraventricular infusion of bFGF and Neuronal Apoptosis Following Transient Forebrain Ischemia in Rat Hippocampus, *AANS Cerebrovascular Section Meeting*, Orlando, Florida, 1998.

M. Guglielmo, P. Chan, C. Doberstein, C. Johansen, and M. Epstein: A Comparative Analysis of Neuronal Cell Death in Decapitation Necrosis and Transient Forebrain Ischemia in the Rat, *Society for Neuroscience*, New Orleans, Louisiana, 1997.

F. Harrington, M. Guglielmo, P. Chan: The Role of Apoptosis in the First Twelve Hours after Experimental Acute Spinal Cord Injury, *AANS/CNS Section on Spine and Peripheral Nerves*, Newport Beach, California, February, 1997.

M. Guglielmo, P. Chan, C. Doberstein, and C. Johansen: TUNEL and ISEL histochemistry in experimental rat models of forebrain ischemia and necrosis, *Brown University/Rhode Island Hospital Research Day*, 1997.

J. Teng, M. Guglielmo, P. Chan, D. Palm, V. Kuo-Leblanc, S. Cortez, C. Johanson, E. Stopa: Cystatin C Immunoreactivity in Anterior Horn Cells in ALS Patients, *Brown Brain Science Research Day*, 1997.

M. Guglielmo, P. Chan, C. Doberstein, S. Cortez, E. Stopa, N. Knuckey, C. Johanson and M. Epstein: A Comparative Temporal and Morphologic Analysis of Delayed Neuronal Death Following Experimental Transient Forebrain Ischemia in Rat and Human Stroke, *Brown Brain Science Research Day*, 1997.

C. Doberstein, M. Guglielmo, P. Chan, D. Demers, M. Primiano, D. Palm, N. Knuckey, C. Johanson and M. Epstein: Temporal Profile of TUNEL Histochemistry Following Transient Forebrain Ischemia in the Rat, *Brown Brain Science Research Day*, 1997.

P. Chan, M. Guglielmo, C. Doberstein, V. Kuo-LeBlanc, E. Stopa, N. Knuckey, C. Johanson and M. Epstein: TUNEL Histochemistry and bFGF Expression in Ischemic Rat Hippocampus, *Brown Brain Science Research Day*, 1997.

P. Chan, M. Guglielmo, Y. Kang, N. Knuckey, D. Palm, M. Primiano, C. Johanson: Tumor Necrosis Factor Alpha in Rat Hippocampus and Neocortex Following Transient Forebrain Ischemia, *Brown Brain Science Research Day*, 1997.

M. Guglielmo, P. Chan, C. Doberstein, S. Cortez, D. Demers, N. Knuckey, C. Johanson and M. Epstein: Evidence for Apoptotic Cell Death Following Ischemia in an Experimental Model and Human Brain Specimens, *Congress of Neurological Surgeons*, 1996.

M. Guglielmo, P. Chan, C. Doberstein, V. Kuo-LeBlanc, E. Stopa, D. Demers, N. Knuckey, C. Johanson and M. Epstein: The Temporal Expression of bFGF and Neuronal Apoptosis Following Transient Forebrain Ischemia in Rat Hippocampus, *Congress of Neurological Surgeons*, Montreal, Canada, 1996.

M. Guglielmo, P. Chan, C. Doberstein, D. Demers, M. Primiano, D. Palm, N. Knuckey, C. Johanson and M. Epstein: Delayed Neuronal Death Following Transient Forebrain Ischemia in Rat Hippocampus: A Comprehensive Temporal Analysis, *Society for Neuroscience*, Washington, D.C. 1996.

J. Teng, M. Guglielmo, P. Chan, V. Kuo-Leblanc, S. Cortez, C. Johanson, E. Stopa: Evidence Against Programmed Cell Death in Amyotrophic Lateral Sclerosis, *Brown University/Rhode Island Hospital Research Day*, 1996.

N. Knuckey, M. Primiano, D.E. Palm, M. Guglielmo, M. Epstein, C. Johanson: The Distribution of bcl-2 Protein in the Rat Hippocampus Following Transient Forebrain Ischemia, *Society for Neuroscience*, San Diego, California, 1995.

Research Appointments and Grants

- 1995-1997 Principal Researcher, Ischemia and Trauma Group, Brown University/Rhode Island Hospital Department of Clinical Neurosciences, Neurosurgery Research
- 1996-1997 Principal Researcher, “Characterization of the temporal expression and functional role of p53, bcl-2 bax and ICE in ischemia-induced apoptotic cell death” NIH Grant#: NS27601, Rhode Island Hospital Developmental Grant #7742.
- 1996-1997 Principal Researcher, “Programmed cell death following traumatic brain injury” Rhode Island Foundation Grant #7960.
- 1996-1997 Principal Researcher, “Characterization of HO-1, Cystatin C and TUNEL staining in ALS”, Dana Barrengos ALS Foundation Grant.
- 1989-1990 NIH Summer Scholar, Dartmouth Program in Cognitive Neuroscience
- 1985-1988 Research Assistant, Yale Dept. of Biology, New Haven, CT

Teaching and Committees

- 2000-2004 Subspecialty Representative, Kaiser Permanente Pain Board
- 1996-1997 Faculty Instructor, Brain Attack Curriculum
- 1996-1998 Consulting Lecturer/Instructor, Brown Medical School Anatomy Course
- 1997 Consulting Lecturer/Instructor, Pawtucket Memorial Paramedic Course, Pawtucket Memorial Hospital, Pawtucket, RI
- 1995-1997 Resident Representative, RI Hospital, Critical Path Planning Committee
- 1996 Consulting Lecturer/Instructor, Advanced Trauma Life Support Curriculum, Rhode Island Hospital, Providence, RI
- 1991-1992 Surgical Assistant, Miriam Hospital, Providence, RI

- 1991-1992 Tutor, NBME Review Course, Brown University School of Medicine, Providence, RI
- 1989-1990 Academic Tutor (Anatomy), Dartmouth Medical School, Hanover, NH
- 1985-1988 Freshman Counselor, Yale University, New Haven, CT

Laboratory Research

- 1995-1997 “The role of apoptosis and growth factors in transient forebrain ischemia”
Brown University/Rhode Island Hospital Department of Clinical Neurosciences, Neurosurgery Research
- 1995-1997 “The role of apoptosis and growth factors in traumatic brain injury in the rat”
Brown University/Rhode Island Hospital Department of Clinical Neurosciences, Neurosurgery Research
- 1995-1997 “The role of apoptosis in human stroke”
Brown University/Rhode Island Hospital Department of Clinical Neurosciences, Neurosurgery Research and Rhode Island Hospital Department of Pathology, Neuropathology Division
- 1995-1997 “Cell death in ALS”
Brown University/Rhode Island Hospital Department of Clinical Neurosciences, Neurosurgery Research and Rhode Island Hospital Department of Pathology, Neuropathology Division
- 1989-1990 “A computer model of quantitative cortical mapping in neurologic disease”
Department of Cognitive Neuroscience, Dartmouth School of Medicine
- 1985-1988 “CNS morphology in *Drosophila* mutants”
Yale University Department of Biology