

Meet our neurological surgery specialists

The neurosurgeons at Michigan Brain & Spine Institute have been providing orthopedic and neurological services since 1993. Recognizing the national trend toward a Center of Excellence approach for complex health problems, Michigan Brain & Spine Institute founded Ann Arbor Spine Center in early 2009. The board-certified neurosurgeons, Dr. Martin Buckingham and Dr. Geoffrey Thomas, are a regional resource in neuroscience and specialize in treating disorders of the neurological system. Dr. Buckingham and Dr. Thomas are referred some of the most complex brain tumor, brain injury, spinal cord problems, aneurism and other neurosurgical issues from

across Eastern and Central Michigan.

Dr. Buckingham specializes in the treatment of brain tumors, microsurgery, cranial surgery and spine surgery. Dr. Thomas focuses on general neurosurgery conditions, brain tumors, neurooncology and radiosurgery. Dr. Thomas is a clinical instructor at the University of Michigan in the section of Neurosurgery.

Nearly half of Michigan Brain & Spine Institute patients are referred to our locations in Ypsilanti, Chelsea and Brighton by other doctors in the region. The goal of our center is to improve care with a team approach that emphasizes non-surgical treatment options before surgery.

Martin J. Buckingham, M.D., F.A.C.S.

Board-Certified Neurological Surgeon

Dr. Martin Buckingham is Board-Certified by the American Board of Neurological Surgeons. Dr. Buckingham specializes in spine surgery, cranial surgery, brain tumors and microsurgery. He graduated magna cum laude from Coe College in Cedar Rapids, Iowa with a Bachelor of Arts degree in mathematics and chemistry. In 1984, Dr. Buckingham graduated from the University Of Illinois College Of Medicine and received the Olkon award for excellence in neurology and neurosurgery. He completed his general surgery internship and neurosurgery residency program at the University of Cincinnati.

Dr. Buckingham is a member of the College of Surgeons, the American Association of Neurological Surgeons and the Congress of Neurological Surgeons. Locally, he belongs the Michigan Association of Neurological Surgeons. Dr. Buckingham practices at the Ann Arbor and Chelsea locations. He is affiliated with St. Joseph Mercy Hospital and Chelsea Community Hospital.



Geoffrey M. Thomas, M.D., F.A.C.S.

Board-Certified Neurological Surgeon

Dr. Geoffrey Thomas is a board-certified neurological surgeon and specializes in adult spinal degenerative conditions and cervical spine reconstruction. Dr. Thomas also focuses on general neurosurgery, brain tumors, neurooncology and radiosurgery.



Dr. Thomas received his undergraduate degree with highest honors from the University of Michigan. He graduated from the University of Michigan School of Medicine with distinction. He completed his Surgical Internship at Northwestern University in Chicago. He returned to Ann Arbor for a residency in Pathology. Dr. Thomas continued his residency training at the University of Cincinnati in the Neurological Surgery program.

Dr. Thomas was awarded membership into the Alpha Omega Alpha Honor Medical Society. He is also an active member of the Congress of Neurological Surgeons and the American Association of Neurological Surgeons. Locally he is a member of the Michigan Association of Neurological Surgeons and the Washtenaw County Medical Association. Dr. Thomas practices at the Ann Arbor location.

Jason Brodkey, M.D., F.A.C.S., F.I.P.P.

Board-Certified Neurological Surgeon

Board-Certified Pain Medicine, Fellowship-trained in spine

Dr. Jason Brodkey is Board-Certified with the American Board of Neurological Surgeons and with the American Board of Pain Medicine. He is also certified as a Fellow of Interventional Pain Practice. Dr. Brodkey specializes in complex spinal reconstruction, spinal cord and nerve stimulation, spinal infusion pump implantation and minimally invasive spine surgery. Dr. Brodkey received his undergraduate degree in Biomedical Engineering with high honors from Case Institute of Technology (CWRU). He was awarded his medical degree from Case Western Reserve University. Dr. Brodkey attended the University of Tennessee, completing a surgical internship and Neurosurgical residency program. He continued his training in fellowships at the University of Toronto in Stereotactic and Functional Neurosurgery and in Memphis in Complex Spine Surgery.



Neurosurgery specialties at Michigan Brain & Spine Institute

The medical specialty known as neurosurgery is focused on the prevention, diagnosis, treatment and rehabilitation of disorders that affect the entire nervous system including the spinal column, spinal cord, brain and peripheral nerves. Dr. Buckingham and Dr. Thomas, at Michigan Brain & Spine Institute, specialize in the treatment and care of the following areas of neuroscience:

- Brain tumors
- Stroke
- Carpal Tunnel
- Spinal Cord
- Pituitary Tumor
- Brain Hemorrhage
- Hydrocepholus
- Surgical management of inguinal neuralgia
- Chiari Malformation
- Neuromas
- Spinal Cord Tumor
- General Neurosurgery



Above, Dr. Geoffrey Thomas consults with a patient. Dr. Thomas specializes in neurological disorders including brain tumors, neurooncology and radiosurgery. Dr. Martin Buckingham (shown below) examines a patient at Michigan Brain & Spine Institute. His specialties include cranial surgery, brain tumors, microsurgery and spine surgery.

