The Department of Neurosurgery at Mayo Clinic offers a unique breadth and depth of expertise, cutting edge clinical research and state of the art diagnostic and therapeutic approaches. The department embraces multidisciplinary collaboration to offer patients the best possible care. The practice is passionate about comprehensive care for both general and highly specialized neurosurgical disorders.

Cutting Edge Technologies, Techniques and Surgical Treatment:
- Acute Stroke Therapies
- Acoustic Neuroma Comprehensive Care
- Aneurysm Coiling, Clipping and Stenting
- Awake Brain Mapping and Microsurgery
- Arteriovenous Malformation and Fistula Therapies
- Brain Bypass
- Brain and Spinal Cord Tumor Therapies
- Carotid Endarterectomy
- Carotid Stenting
- Complex Spinal Surgery
- Computer Assisted Image Guided Surgery
- Deep Brain Stimulation
- Endoscopic Brain and Pituitary Surgery
- Epilepsy Surgery and Laser Ablation
- Microvascular Decompression
- Minimally Invasive Brain and Skull Base Microsurgery
- Minimally Invasive Endovascular Therapies
- Minimally Invasive Laser Ablation for Epilepsy and Brain Tumors
- Minimally Invasive and Percutaneous Spinal Surgery
- Comprehensive Neuro-Oncology Care
- Revascularization for Moya Moya Disease
- Scoliosis and Spinal Tumors Comprehensive Care and Surgery
- Spinal Cord Stimulation
- Spinal Deformity
- Stenosis
- Stereotactic Radiosurgery
- Trigeminal Neuralgia using Minimally Invasive Approaches
- Third Ventriculostomy and Image Guided Techniques for Hydrocephalus
Staff and Subspecialty Clinics in Arizona

Neurologic Surgery

Bernard Bendok, M.D.
bendok.bernard@mayo.edu
- Minimally Invasive Brain and Spinal Cord Microsurgery
- Brain and Pituitary Endoscopic Techniques
- Neurointerventional Surgery
- Microvascular Decompression
- Skull Base Surgery and ECIC Bypass
- Stereotactic Radiosurgery and Laser Ablation
- Neurovascular Diseases
- Brain, Spinal and Skull Base tumors

Maziyar Kalani, M.D.
kalani.maziyar@mayo.edu
- Spinal column and spinal cord tumors
- Cervical Spine Surgery
- Cervical and Thoracolumbar Deformity

Chandan Krishna, M.D.
krishna.chandan@mayo.edu
- Brain and Pituitary Endoscopic Techniques
- Minimally Invasive Percutaneous Spinal Techniques
- Neurointerventional Surgery
- Minimally Invasive Brain and Spinal Cord Microsurgery
- Minimally Invasive Spinal Surgery
- Microvascular Decompression
- Neurovascular Diseases
- Brain, Spinal and Skull Base tumors

Mark Lyons, M.D.
lyons.mark2@mayo.edu
- Minimally Invasive Computer Guided Brain Surgery
- Deep Brain Stimulation
- Functional Neurosurgery
- Minimally Invasive Spinal Surgery
- Stereotactic Radiosurgery
- Brain and Spinal Cord Tumors

Pelagia E. Kouloumeris, M.D.
kouloumeris.pelagia@mayo.edu
- Minimally Invasive Spinal Surgery
- Minimally Invasive Treatment of Brain and Spinal Cord Tumors
- Endoscopic Techniques for Pituitary Tumors
- Microvascular Decompression
- Peripheral Nerve Surgery
- Stereotactic Radiosurgery and Laser Ablation

Jamal McClendon, M.D.
mcclendon.jamal@mayo.edu
- Minimally Invasive Spinal Surgery
- Spinal Deformity and Sagittal Malalignment
- Scoliosis
- Adolescent and idiopathic Degenerative kyphoscoliosis
- Lumbar and lumbar spinal

Matthew Neal, M.D.
neal.matthew@mayo.edu
- Minimally Invasive Spinal Surgery
- Spinal Deformity
- Scoliosis
- Minimally Invasive Treatment of Brain and Spinal Cord Tumors
- Peripheral Nerve Surgery

Naresh Patel, M.D.
patel.naresh@mayo.edu
- Minimally Invasive Brain and Pituitary Endoscopic Techniques
- Minimally Invasive Spinal Surgery
- Stereotactic Radiosurgery
- Endoscopic anterior skull base surgery
- Spinal cord stimulation
- Cervical and lumbar spine surgery

Ali Hassoun Turkmani, M.D.
turkmani.ali@mayo.edu
- Neurovascular Disease
- Endovascular Neurointerventional Surgery
- Skull Base, Brain and Spine Tumors
- Brain and Pituitary Endoscopic Surgery
- Minimally Invasive Brain and Spinal Microsurgery
- Microvascular decompression
- Minimally Invasive Spine Surgery
- Peripheral Nerve Surgery
- Epilepsy

Richard Zimmerman, M.D.
zimmerman.richard@mayo.edu
- Minimally Invasive Brain and Spinal Cord Microsurgery
- Epilepsy Microsurgery
- Responsive Neurostimulator –RNS Implants
- Laser Ablation and Radiosurgery for Brain Tumors and Epilepsy
- Microvascular Decompression
- Brain and Spinal Cord Tumors
- Neurovascular Diseases

Kristin Swanson, Ph.D.
swanson.kristin@mayo.edu
- Mathematical Modeling for Brain Tumor Research

Brian Chong, M.D.
chong.brian@mayo.edu
- Advanced Brain Imaging
- Neurointerventional Surgery
- Minimally Invasive Percutaneous Spinal Techniques

Research - Neurologic Surgery

Neuroradiology - Interventional

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