

November 2019



Patient Care

[Robotic technology aids safe, efficient spinal surgeries](#)

Mayo specialists employ robotic technology for surgery in the thoracic and lumbar spine. The system can be applied to small, minimally invasive procedures and more-complex open surgeries for oncologic or spinal deformity.

[Expertise, technology help optimize outcomes for patients with spinal deformity](#)

The wide range of spinal deformity treated at Mayo Clinic encompasses all forms of scoliosis and kyphosis, high-grade spondylolisthesis, and cervical spine and post-laminectomy deformity, as well as revision surgeries.

[Quantifiable CT perfusion imaging benefits patients treated for acute ischemic stroke](#)

Mayo Clinic specialists fine-tune quantifiable CT perfusion imaging to widen the treatment window for acute ischemic stroke and optimize outcomes in carefully selected patients.



Research

[Recurrent imaging pattern aids diagnosis of rare spinal dAVFs](#)

Mayo Clinic has identified a unique radiographic finding that facilitates earlier diagnosis of spinal dural arteriovenous fistulas (dAVFs), paving

the way to improved treatment outcomes.

See all [Neurology](#) and [Neurosurgery](#) Clinical Trials at Mayo Clinic



Education

[Electroencephalography \(EEG\), Electromyography \(EMG\) & Neurophysiology in Clinical Practice 2020](#)

Jan. 26-31, 2020, in Phoenix

This course reviews pathophysiology, electroencephalography, evoked potentials, electromyography and intraoperative monitoring. Focus includes clinical correlation of tests used for patient evaluation regarding epilepsy and peripheral nerve and neuromuscular disorders.

[3rd Annual Mayo Clinic Advances and Innovations in Complex Neuroscience Patient Care: Brain and Spine 2020](#)

Feb. 26-29, 2020 in Sedona, Ariz.

This course highlights complex nerve disorders including brain and skull base tumors; neurovascular diseases including arteriovenous malformations; and spinal disorders including scoliosis and epilepsy.

[Advances in Brachial Plexus Reconstruction: A Surgical Skills Course 2020](#)

April 23-25, 2020, in Rochester, Minn.

Techniques covered in detail include adult and obstetrical brachial plexus injuries, surgical planning, supra- and infraclavicular exploration, various nerve transfers and grafting, secondary surgical reconstructions, obtaining grasp, and pain management.

[See all Neurology and Neurologic Surgery Continuous Professional Development courses](#)



In the Video Center

[Spina bifida treatment using fetoscope](#)

FDA-approved fetoscopic surgery for the treatment of spina bifida allows surgeons to treat spina bifida in infants prior to birth. The minimally invasive treatment improves outcomes for both baby and mother.

[Adult-onset hydrocephalus](#)

Neurosurgeon Benjamin D. Elder, M.D., Ph.D., discusses adult-onset hydrocephalus — including idiopathic normal pressure hydrocephalus and idiopathic intracranial hypertension — with a focus on diagnosis, treatment options, outcomes, complications, cerebral spinal fluid diversion strategies and shunt design.

[View Neurology and Neurosurgery specialty and Grand Rounds presentations](#)

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480-342-1155

[Jacksonville, Florida](#)
844-275-1062 (toll-free)

Admission and Transfer Center (ATC) line for urgent/emergent referrals
904-717-0206

[Rochester, Minnesota](#)
844-384-4982 (toll-free)

Admission and Transfer Center (ATC) line for urgent/emergent referrals
507-255-2910

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