



January 2012

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Clinical Trials Open to Patient Recruitment for [Brain and Nerve Disease Research](#)

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Patient Care

Interdisciplinary team coordinates diagnoses and treatment for patients with challenging myasthenia gravis

Neuromuscular neurologists at Mayo Clinic in Florida also conduct repetitive stimulation studies and single fiber EMG, considered the most sensitive electrodiagnostic test of neuromuscular transmission, to help diagnose patients with myasthenia gravis. [Read more.](#)

Careful patient selection helps ensure successful surgical outcomes for patients with adult scoliosis

Mayo specialists consider the degree of curvature, risk of curvature progression, physical and cosmetic effects of the deformity, spinal balance, age, and pre-existing conditions before recommending that patients with thoracolumbar spinal deformities proceed to surgery. [Read more.](#)

Research

Identification of the origins of seizure activity aids prediction and prevention

Microelectrode arrays implanted during brain mapping surgery to pinpoint the exact moment and location of seizure generation confirm that seizures begin on a microscopic scale, often long before they affect behavior. [Read more.](#)

Researchers develop protocols to determine when the brain has fully recovered from initial concussion

The Department of Neurology at Mayo Clinic in Arizona also offers complimentary baseline and after-injury computerized cognitive testing to athletes of high school and middle school age as part of its comprehensive concussion program. [Read more.](#)

Inflammatory disease of the gray matter commences early in the pathogenesis of multiple sclerosis

In a cohort of patients with early-stage multiple sclerosis, cortical demyelinating lesions were frequent, inflammatory, and strongly associated with meningeal inflammation. Magnetic resonance imaging studies indicate that cortical damage occurs early in the disease. [View video.](#)

Gene responsible for HDLS may be common

Researchers at Mayo Clinic in Florida identified 14 different mutations in the gene CSF1R that lead to development of hereditary diffuse leukoencephalopathy with spheroids, a disorder of the brain's white matter that leads to death between ages 40 and 60. [Read more.](#)

Education

7th Mayo Clinic Spine Symposium

March 25-28, 2012

This program, designed for surgeons as well as nonoperative clinicians with special interest in the treatment of spinal disorders, is presented through didactic lectures, panel discussions, debates and case presentations. Maintenance of Certification facilitated self-assessment exams in orthopedics and neurosurgery are offered.

Location: Naples, Fla.

Contact: 800-323-2688 (toll-free) or [email](#)

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Hot Topics in Neurology and Neurologic Surgery for the Primary Clinician

June 7-8, 2012

Learn about newer interventional therapies available to various neurological and neurosurgical conditions, evaluation and triage of patients in a cost-effective manner in regards to tertiary care neurological therapeutics and management of common, uncomplicated neurological conditions.

Location: Rochester, Minn.
Contact: 800-323-2688 (toll-free) or [email](#)
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Neurology in Clinical Practice

July 19-21, 2012

This review emphasizes case-based presentations, recent advances, and evidence-based approaches. Topics include common neurologic disorders, acute stroke and secondary prevention options, types of seizures and seizure management, neurologic infections, management of the dizzy patient, headache types and disorders of the peripheral nervous system.

Location: Chicago
Contact: 800-323-2688 (toll-free) or [email](#)
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