



May 2010

Refer a Patient

To refer a patient or arrange a consultation:

[Arizona Referrals](#)

866-629-6362 (toll-free)

[Florida Referrals](#)

800-634-1417 (toll-free)

[Minnesota Referrals](#)

[Neurology](#)

507-284-1588

[Neurosurgery](#)

507-284-8008

[Other Consults](#)

800-533-1564 (toll-free)

[Online Referrals](#)

Clinical Trials

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

Continuing Medical Education

Mayo School of Continuous Professional Development [Neurology and Neurologic Surgery Course Offerings](#)

Comments?

We're interested in your [feedback](#) about this newsletter.

Pass It On

Invite a colleague to [subscribe](#) by forwarding this newsletter.

Patient Care

Update on Deep Brain Stimulation at Mayo Clinic

Deep brain stimulation (DBS) restores function and relieves pain by stimulating neural activity through surgically implanted electrodes. Multidisciplinary teams at Mayo Clinic have developed new technologies and clinical applications to successfully treat the symptoms of essential tremor, Parkinson's disease, dystonia, epilepsy, neuropathic pain, and psychiatric disorders. [Learn more.](#)

Exercise, Computer Use May Aid Cognitive Skills

Physical exercise, cognitive activity, and caloric intake are independently associated with mild cognitive impairment (MCI). A Mayo Clinic study found that for patients with MCI, the combination of moderate physical exercise and computer use in late life may be beneficial, and more beneficial than one or the other. [Learn more and view video.](#)

Neurology Inpatient Fall Risk Assessment

Required physician involvement in fall risk assessment for neurology inpatient admissions is associated with a reduced fall rate. Mayo researchers found that adding a physician fall risk assessment upon hospital admission increased the number of neurology inpatients identified as being at risk for falls. It also reduced inpatient falls. [Learn more and view video.](#)

Inflammation in Postsurgical Peripheral Nerve Disorders

Inflammatory mechanisms may play a role in the development of peripheral nerve disorders following surgery. Mayo researchers found that injury to fragile peripheral nerves can interfere with communication between the brain and muscles controlled by the nerve, affecting a person's ability to move certain muscles or feel normal sensations. [Learn more.](#)

Research

Risk Factors for Parkinson's Disease Differ for Men, Women

A recent study of Parkinson's disease found that, in men, the most important risk factors were lifestyle and occupational risk factors. In women, the primary risk factor was anemia. Lifestyle and occupational factors were inconsequential. Mayo researchers hope to identify people who may develop Parkinson's disease later in life. [Learn more.](#)

Neuroimaging for Dementia

There is no definitive test to diagnose dementing illnesses, yet early detection is critical to management. Mayo researchers use advances in neuroimaging, including amyloid imaging, to identify the predominant pathology and lesser ones to permit specifically tailored drug combinations that could halt disease progression. [Learn more.](#)

MS Immunopattern Heterogeneity Persists in Active Lesions

The type of tissue damage changes throughout the course of multiple sclerosis (MS). Mayo research shows that active plaques are uncommon in chronic MS. Heterogenous immunopatterns predominate early, when active plaques are more frequent. Smoldering and inactive plaques predominate in chronic progressive disease and demonstrate immunopattern homogeneity. [Learn more and view video.](#)

Education

Mayo Clinic Grand Rounds Presentations

New [Grand Rounds presentations](#) are available online.

[Cognitive Aging and Presymptomatic Alzheimer's Disease](#)

[Young, Mobile and Wired: The Prevalence and Impact of Social Media on Children](#)

Practical Neurology Update

July 7-10, 2010

Primer of neurological disorders covers common neurological, neurosurgical, and psychiatric clinical problems faced by primary care providers. In 4 half-day sessions, the course also provides an intensive review for neurologists, neurosurgeons and psychiatrists.

Location: [Hotel del Coronado](#), San Diego, Calif.

Contact: 480-301-4580 or [email](#)

[View brochure](#)

[Register now](#)

Diagnostic and Interventional Musculoskeletal Ultrasound

July 15-17, 2010

Participants in this 3-day course will complete more than 13 hours of hands-on training in techniques and applications of diagnostic and interventional musculoskeletal ultrasound in the major joint regions of the body, including needle tracking skills, ultrasound machine controls, scanning on live models, and performing ultrasound-guided procedures on unembalmed cadavers.

Location: Mayo Clinic and Marriott Hotel, Rochester, Minn.

Contact: 800-638-5352 (toll-free) or [email](#)

Online registration not yet available

Stroke & Cerebrovascular Disease Review

October 1-3, 2010

This course provides a high-yield, broad review of stroke and cerebrovascular diseases, including:

- Cerebrovascular physiology and pathophysiology
- Primary and secondary stroke prevention
- Acute ischemic stroke evaluation and management
- Neuro-critical care brain aneurysms and vascular malformations
- Intracranial hemorrhage
- Complications of stroke

Location: [The Ritz-Carlton, Amelia Island](#), Fla.

Contact: 800-462-9633 (toll-free) or [email](#)

Online registration not yet available

Neuroradiology: Practice to Innovation

November 8-12, 2010

Learn about new trends, relevant techniques and applications in diagnostic and therapeutic neuroradiology. This course is designed for the practicing radiologist and others involved in the neurological sciences.

Location: Naples, Fla.

Contact: 866-246-1581 (toll-free) or [email](#)

Online registration not yet available

Mayo Clinic Electromyography, Electroencephalography, and Neurophysiology in Clinical Practice

March 6-12, 2011

Review the basic concepts of nerve conduction studies, needle EMG, EEG, evoked potentials, intraoperative monitoring, and autonomic and sleep studies with special emphasis on techniques, interpretation, and electrodiagnostic approaches to clinical disorders. Faculty from Mayo Clinic in Arizona, Florida and Minnesota participate.

Location: [Amelia Island Plantation](#), Amelia Island, Fla.

Contact: 800-462-9633 (toll-free) or [email](#)

Online registration not yet available

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

[Newsletter Archive](#) | [Contact Mayo](#)

[Subscribe](#)

© 2010 Mayo Clinic. All rights reserved. [Terms of Use](#).

13400 East Shea Blvd
Scottsdale, AZ 85259

Mayo Clinic
4500 San Pablo Road
Jacksonville, FL 32224

200 First St. SW
Rochester, MN 55905