



September 2010

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To refer a patient or arrange a consultation:

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Patient Care

Mild cognitive impairment is a stable diagnosis

Amnesic mild cognitive impairment (aMCI) may be associated with likely progression to Alzheimer's disease. Although some patients do revert to normal cognition, a recent study shows that a diagnosis of MCI implies genuine cognitive impairment and represents a progressive condition. [Learn more.](#)

Study finds MCI is more common in men than women

A study of individuals 70-89 found that the prevalence of mild cognitive impairment (MCI) was 1.5 times higher in men than in women. The finding was unexpected, since the frequency of Alzheimer's disease is greater in women. [Learn more.](#)

Telemedicine benefits stroke patients cost-effectively

Researchers at Mayo Clinic in Arizona found that patients without timely access to stroke expertise may benefit from evaluation and treatment through regional care systems. Clot-busting drugs' effectiveness depends on timely access to the expertise and treatment telemedicine may supply. [Learn more.](#)

Research

Apathy, depression predict progression to dementia

A recent study confirms that apathy and depression significantly impact individuals' progression from mild cognitive impairment (MCI) to dementia. Mayo Clinic researchers will next study whether treatment of apathy or depressions in MCI may delay the onset of dementia. [Learn more.](#)

REM sleep behavioral disorder precedes movement disorders

A study of patients with REM sleep behavioral disorder predating onset of Parkinson's disease, dementia with Lewy bodies or multiple system atrophy by more than 15 years indicates the α -synuclein pathogenic process may start decades before symptoms of those disorders appear. [Learn more.](#)

Researchers decode Alzheimer's puzzle

By screening for unique coding in the genome, three Mayo Clinic researchers have identified variants that may influence development of dementia differently in individuals. They are also trying to pinpoint which gene variants put people at risk of, or protect them from, developing the disease. [Learn more.](#)

Risk of dementia varies for diabetic, nondiabetic patients

Researchers at Mayo Clinic in Florida found that in nondiabetic patients of Mexican ancestry, a low A β 42/A β 40 ratio or low A β 42 may indicate impending dementia. In diabetic patients, vascular disease-type pathology is more likely to cause dementia than is Alzheimer's pathology. [Learn more.](#)

New clinical protocol drops CT radiation dose 50 percent

The as-low-as-reasonably-achievable principle guides Mayo's approach to radiation dosages used to acquire CT images. Researchers are experimenting with an image-processing algorithm that produces high-quality perfusion CTs with up to 20 times less the radiation used under existing protocols. [Learn more](#).

Grand Rounds

Mayo Clinic Grand Rounds Presentations

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

Education

Neuroradiology: Practice to Innovation

November 8-12, 2010

Review common diseases involving the brain, head, neck and spine. Learn about new trends, relevant techniques, and applications in diagnostic and therapeutic neuroradiology in a course designed for the practicing radiologist and others involved in the neurological sciences. Location: Naples, Fla.

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

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Multiple Sclerosis 2011: Update and Practical Management Strategies

March 5-6, 2011

Practical management strategies, evidence-based clinical guidance and explanations of the latest research advances help physicians provide optimal care for patients with multiple sclerosis.

Location: Scottsdale, Arizona

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

Online registration not available

Electromyography, Electroencephalography, and Neurophysiology in Clinical Practice

March 6-12, 2011

Review concepts of nerve conduction studies, needle EMG, EEG, evoked potentials, intraoperative monitoring, and autonomic and sleep studies with emphasis on techniques, interpretation, and electrodiagnostic approaches to clinical disorders.

Location: Amelia Island, Florida

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

Online registration not available

Sixth Spine Symposium

March 20-24, 2011

Programming designed for surgeons and nonoperative clinicians treating patients with spinal disorders and spinal deformity addresses current health-quality measures, minimally invasive surgical techniques and the latest advances.

Location: Key West, Florida

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

Online registration not available

Mayo Headache Symposium

April 29-May 1, 2011

This course provides an update in the diagnosis and management of both primary and secondary headache disorders. Format includes lectures, expert panel discussions, interactive question-and-answer sessions, and small-group discussions.

Location: Chicago, Illinois

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

Online registration not available

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New Staff

[Michelle Clarke, M.D.](#), Department of Neurosurgery in Minnesota

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