



October 2009

Grand Rounds Presentations

See videos of select Mayo Clinic [Grand Rounds presentations](#).

New presentations are posted regularly.

Referring a Patient

To refer a patient or arrange a consultation:

[Arizona Referrals](#)

866-629-6362 (toll-free)

[Florida Referrals](#)

800-624-1417 (toll-free)

[Minnesota Referrals](#)

[Neurology](#)

507-284-1588

[Neurosurgery](#)

507-284-8008

[Other Consults](#)

800-533-1564 (toll-free)

Clinical Trials

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

Continuing Medical Education

[Neurology and Neurosurgery Course Offerings](#)

Comments?

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

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Patient Care

Radiosurgery for Benign Intracranial Tumors

Most benign intracranial tumors are noninvasive, well defined, well visualized on MRI and have a slow rate of progression, making them good candidates for radiosurgery. The focused delivery of radiation to an image-defined intracranial tumor has little or no radiation effects on adjacent structures.

[Learn more.](#)

Intraoperative MRI Comes to Mayo Clinic in Florida

Intraoperative magnetic resonance imaging (iMRI) improves precision in tumor removal and numerous other procedures, including epilepsy surgery. iMRI also provides a real-time neuronavigational tool for catheter placement and implantation of deep brain stimulators. The newly installed iMRI at Mayo Clinic Hospital in Jacksonville, Fla., is the only unit in the region.

[Learn more.](#)

Utility of Autonomic Testing

Evaluation of sudomotor, cardiovagal and adrenergic function helps determine the presence, severity, distribution and localization of autonomic dysfunction. Increased referrals to the autonomic testing laboratory at Mayo Clinic in Minnesota from specialties besides neurology reflect wider appreciation for the utility of autonomic testing for differential diagnosis and management.

[Learn more.](#)

Research

Origins of Brain Cancer

The only known risk factors for brain cancer are heredity and exposure to radiation. Using statistics from Mayo Clinic's patient databases, genetics researchers are learning how genetic mutations and environmental triggers increase the risk of brain cancer.

[Learn more.](#)

CNS Repair in Mice

Why do some people with multiple sclerosis (MS) do well with the disease while others do poorly? A Mayo Clinic study found that two genes in mice were associated with good central nervous system (CNS) repair in MS and suggests that there may be a small number of strong genetic determinants for CNS repair following demyelinating disease, rather than a large number of weak determinants.

[Learn more on the Physician Update blog.](#)

Single Gene Promotes Essential Tremor, Parkinson's

Patients with essential tremor shake when they move. Parkinson's disease patients shake when they are at rest. Researchers at Mayo Clinic in Florida and their collaborators worldwide have discovered that a single gene, a variant in LINGO1, promotes development of essential tremor in some patients and Parkinson's disease in others.

[Learn more.](#)

Education

Update in EEG, EMG, and Clinical Neurophysiology

Jan. 24-30, 2010

Review of techniques and topics pertaining to clinical neurophysiology, including basic physiology, pathophysiology, EEG, evoked potentials, EMG, movement disorders and intraoperative monitoring. Focus includes clinical correlation of various neurophysiological tests used for the evaluation of patients. Workshop participants will observe and perform hands-on EMG techniques on normal subjects.

Location: Scottsdale, Ariz.

Contact: 480-301-4580 or mcs.cme@mayo.edu

[Brochure](#)

[Register](#)

Clinical Neurology, Neurosurgery and Psychiatry for the Primary Care Doctor

July 7-10, 2010

This course is both a primer of common neurological, neurosurgical and psychiatric clinical problems faced by primary care providers and an intensive review for neurologists, neurosurgeons or psychiatrists. Evidence-based approaches to common problems will be surveyed across clinical neuroscience.

Location: Coronado, Calif.

Contact: 480-301-4580 or mcs.cme@mayo.edu

Online registration not yet available

[See all Neurology and Neurosurgery Continuing Medical Education courses.](#)

New Staff

[Owen Ross, Ph.D.](#), Neuroscience Research

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13400 East Shea Blvd
Scottsdale, AZ 85259

Mayo Clinic
4500 San Pablo Road
Jacksonville, FL 32224

200 First St. SW
Rochester, MN 55905