



May 2011

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Patient Care

Innovative endoscopic techniques advance treatment for skull base tumors

Image-guided surgery aids in tumor localization, angled-view endoscopes move with ease through nasal passages to provide a wide-angle view of the tumor, and intraoperative MRI allows surgeons to check for residual traces of the tumor during the procedure. [Read more.](#)

Dopamine agonists result in impulse control disorders when used to treat Parkinson's disease

Up to 22% of patients with Parkinson's disease who took dopamine agonists reported a new onset impulse control disorder. A recent study found that the higher the dose, the greater the likelihood of an impulse control behavior. [Read more.](#)

Microendoscopic treatment effective for some SDAVFs

Open surgical procedures or embolization are not always optimal treatment approaches for patients with spinal dural arteriovenous fistulas. An innovative surgical technique allows neurosurgeons to address SDAVFs microendoscopically. The small incision reduces the risk of infection and minimizes the blood loss. [Read more.](#)

Research

Tool predicts disability timeline for MS

Specialists can predict whether patients will suffer a fast onset of multiple sclerosis by the presence of certain markers in a commonly performed cerebrospinal fluid test. Researchers noticed a relationship between a fast disability rate and abnormally high levels of two proteins — oligoclonal band and immunoglobulin-G molecule. [Read more.](#)

Botox eases painful CFS headaches

Pain caused by low cerebrospinal fluid pressure headaches ranges from slight to disabling. Neurologists treated a patient with a 25-year history of CFS headaches with Botox for 3 years. After each treatment, improvement lasted for 3 months before pain returned. [Read more.](#)

Schwannomatosis recognized as an independent form of neurofibromatosis

Neurosurgeons and medical geneticists are creating a registry of patients with schwannomatosis and their family members to help determine whether there is a link between schwannomatosis and other tumor types. Schwannomatosis continues to be underrecognized and often misdiagnosed. [Read more.](#)

Grand Rounds

Mayo Clinic Grand Rounds Presentations

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

Education

Hot Topics in Neurology and Neurosurgery for the Primary Clinician

June 9-10, 2011

Programming addresses advances in interventional therapies for neurological and neurosurgical conditions that have evolved over the last 10 years, including deep brain stimulation and endovascular interventions for cerebrovascular disease. Presentations will prepare clinicians to identify patients who are most appropriate candidates for the new invasive neurotherapeutics.

Location: Rochester, Minnesota

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

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Third Annual Neurofibromatosis (NF) Forum

July 29-31, 2011

Experts in NF research and clinical care share the latest information about the disorder, including methods of management and practical advice on the challenges of living with NF at this patient and family symposium.

Location: Minneapolis, Minnesota

Contact: 800-323-7938 (toll-free) or [email](#)

[Read more and register](#)

Mayo Clinic Stroke and Cerebrovascular Disease Review

September 8-11, 2011

This course updates participants on areas of clinical interest in vascular neurology, including:

- Management of asymptomatic vascular lesions, including arteriovenous malformations, cavernous malformations, cerebral aneurysms, and carotid stenosis
- Diagnostic and therapeutic approaches to brain attack
- Major single-gene disorders that cause stroke

Location: Amelia Island, Florida

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

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Practical Clinical Neurology for the Primary Care Physician

October 26-29, 2011

This intensive, practical review emphasizes advances in and evidence-based approaches to the diagnosis and treatment of common neurological clinical problems that face internists, family practitioners, neurologists, and physicians and nurse practitioners in their daily practices.

Location: Orlando, Florida

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

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New Staff

Derek R. Johnson, M.D., Department of Neurology in Minnesota

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