



May 2011

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Patient Care

Bisphosphonate treatments for osteoporosis may cause jaw osteonecrosis

Patients contemplating therapy with oral or intravenous bisphosphonate for prevention or treatment of osteoporosis should be informed of the rare risk of jaw osteonecrosis with oral bisphosphonates and the relatively infrequent risk of jaw osteonecrosis with intravenous bisphosphonates. [Read more.](#)

Thyroid Nodule Clinic provides a definitive diagnosis in a single visit

Mayo endocrinologists coordinate care to provide clinical assessment, ultrasound evaluation, fine-needle aspiration, and a definitive diagnosis. Early diagnosis of thyroid cancer improves the likelihood it can be contained within the thyroid gland, amenable to surgery. [Read more.](#)

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 proteins oligoclonal band and immunoglobulin-G molecule. [Read more.](#)

Urologists still recommend PSA test for use in prostate cancer screening

A Mayo Clinic specialist addresses the controversy over PSA test use and its effectiveness in prostate cancer screening and discusses what constitutes the best screening methods and programs. [View video.](#)

Research

Drugs and environmental factors impact thyroid function

Research indicates that drugs such as interferon- α , lithium, and estrogen and selective estrogen receptor modulators have the potential to affect thyroid function. Common toxins, including potassium perchlorate, pesticides, and industrial chemicals such as polychlorinated biphenyls may also impact the thyroid. [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 three years. After each treatment, improvement lasts for three months before pain returns. [Read more.](#)

Alzheimer's disease-associated gene and cardiovascular disease linked to memory decline

People who carry the apolipoprotein e4 gene and have cardiovascular risk factors such as hypertension, diabetes, smoking, and high cholesterol experience age-related memory decline 20 to 25 years sooner than people who carry the gene without cardiovascular risk. [Read more.](#)

Grand Rounds

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

Education

18th Annual Clinical Reviews and Primary Care Update

June 6-10, 2011
Lectures, discussions, and workshops focus on challenges in various areas of medicine, surgery, and pediatrics and include updates in the areas of cardiology, dermatology, endocrinology, gastroenterology, infectious diseases, internal medicine, neurology, women's health, pediatrics, pulmonology, and sports medicine.

Location: Amelia Island, Florida
Contact: 800-462-9633 (toll-free) or [email](#)
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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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Controversies in Women's Health

July 14-16, 2011

Experts in obstetrics and gynecology, cardiology, oncology, endocrinology, general internal medicine, and psychiatry discuss new diagnostic tests and therapies for menopausal and hormone therapy concerns, cardiovascular disease, pelvic floor dysfunction, irritable bowel syndrome, infertility, sexual dysfunction, osteoporosis, and other common women's health issues.

Location: Wisconsin Dells, Wisconsin

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

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Primary Care Update 2011: A Four Corners Experience

July 29-30, 2011

This broad update on common problems seen in primary care related to general medicine, dermatology, neurology, cardiovascular diseases, gastroenterology, and endocrinology includes discussions of diabetes, dementia, skin cancers, depression, pulmonary hypertension, and common hand injuries.

Location: Durango, Colorado

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

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New Staff

[James A. Levine, M.D., Ph.D.](#), Endocrinology in Minnesota

[Molly M. Olsen, M.D.](#), Internal Medicine in Minnesota

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