Associations of Sex, Age, and Cardiometabolic Risk Profiles With Brain Structure and Cognition: A UK Biobank Latent Class Analysis

Midlife imaging dementia markers are different for people depending on sex, age, menopause, and cardiometabolic health. Latent class analysis showed greater age-related brain changes in postmenopausal women aged 60 years or older with good cardiometabolic profiles than in men with poor profiles. Dementia prevention may require tailoring for sex, menopause, and cardiometabolic health.

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Risk of Neurodegenerative Diseases in Patients With Acromegaly: A Cohort Study

The understanding of insulin-like growth factor 1’s possible role in the pathology of neurodegenerative disease is growing. This nationwide cohort study examined the association between acromegaly and neurodegenerative diseases. Acromegaly was associated with a higher risk of developing Parkinson disease and dementia.

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Continued
In Focus

Efficacy of Ubrogepant in the Acute Treatment of Migraine With Mild Pain vs Moderate or Severe Pain
This 52-week trial examined the efficacy of ubrogepant (50 and 100 mg) for treating mild to severe migraine. Rates of freedom from pain and associated symptoms after 2 hours were higher for mild attacks than for moderate or severe ones. Upper respiratory tract infection was the most common adverse event.
Page 746

Association of Blood Pressure Lowering Intensity With White Matter Network Integrity in Patients With Cerebral Small Vessel Disease
This study used brain network analysis to detect treatment effects from intensive vs standard blood pressure lowering in patients with cerebral small vessel disease. Differences in diffusion network metrics showed improved network integrity with intensive blood pressure lowering, suggesting that brain network efficiency measures may be sensitive to the efficacy of blood pressure control treatment.
Page 749

NB: “Combination Olaparib and Temozolomide for the Treatment of Glioma: A Retrospective Case Series,” p. 750. To check out other Clinical/Scientific Notes, point your browser to Neurology.org/N. At the end of the issue, check out the Resident & Fellow Section Child Neurology article discussing hemiconvulsion-hemiplegia-epilepsy syndrome in a patient with acute COVID-19 and multisystem inflammatory syndrome in children. This week also includes a Resident & Fellow Section Right Brain article titled “Pull Up a Chair.”

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