Research Articles

Associations of the Lifestyle for Brain Health Index With Structural Brain Changes and Cognition: Results From the Maastricht Study

This cross-sectional study of 4,164 individuals confirmed the association of a modifiable dementia risk score with lower cognitive performance and provided evidence for associations with structural brain changes and white matter hyperintensities. This modifiable dementia risk score could be used to identify individuals at risk for dementia and monitor room for improvement over time.

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Interface of Multiple Sclerosis, Depression, Vascular Disease, and Mortality: A Population-Based Matched Cohort Study

The authors conducted a population-based cohort study to assess whether the association of vascular management, depression, and associated mortality differs in people with and without multiple sclerosis (MS). The effects of depression and MS on mortality were synergistic. The study underscores the importance of identifying and treating depression in MS.

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Continued
From editorialist Salter: “The population-based study design and large sample size are notable strengths of this study. The cohort had > 12,000 persons with MS and 6 controls matched to each person with MS, which permitted robust representation in each of the 4 groups: controls with and without depression and persons with MS with and without depression.”

Definitions of Drug-Resistant Epilepsy for Administrative Claims Data Research

To assess the accuracy of definitions of drug-resistant epilepsy, the authors of this study reviewed electronic medical records data and created claims-based definitions to maximize predictiveness, sensitivity, and specificity. The best-performing definition used a diagnosis code for drug-resistant epilepsy, but the additional measures allow for application to various research questions.

NEW EPISODE

September 28, 2021

Data-Driven vs Consensus Diagnosis of MCI: Enhanced Sensitivity for Detection of Clinical, Biomarker, and Neuropathologic Outcomes (see p. 621)

In the first part of the podcast, Dr. Jeff Ratliff talks with Dr. Winston Chiong about the updated AAN Position Statement on Ethical Considerations in Dementia Diagnosis and Care. In the second segment, Dr. Gregg Day talks with Dr. Emily Edmonds about differing cognitive, biomarker, and neuropathologic trajectories in subtypes of mild cognitive impairment.

Disclosures can be found at Neurology.org.

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