THIS WEEK IN Neurology®

75 Highlights of the July 8 issue

EDITORIAL

76 Fine-tuning gait in Parkinson disease
Michele Tagliati

78 Detecting Alzheimer disease before it happens: The key to prevention?
Joseph Quinn and Marwan N. Sabbagh

ARTICLES

80 STN-DBS frequency effects on freezing of gait in advanced Parkinson disease
C. Moreau, L. Defebvre, A. Destée, S. Bleuse, F. Clement, J.L. Blatt, P. Krystkowiak, and D. Devos

85 Biochemical markers in persons with preclinical familial Alzheimer disease

93 CNS aquaporin-4 autoimmunity in children

101 Right-to-left shunt does not increase white matter lesion load in migraine with aura patients

108 Impact of white matter hyperintensity volume progression on rate of cognitive and motor decline

114 Multimechanistic (sumatriptan-naproxen) early intervention for the acute treatment of migraine

122 Two-year placebo-controlled trial of botulinum toxin A for leg spasticity in cerebral palsy
A.P. Moore, R.A. Ade-Hall, C. Tudur Smith, L. Rosenbloom, H.P.J. Walsh, K. Mohamed, and P.R. Williamson

129 Temporal trends in the incidence of multiple sclerosis: A systematic review
Alvaro Alonso and Miguel A. Hernán

VIEWS & REVIEWS

136 Mechanisms of action of disease-modifying agents and brain volume changes in multiple sclerosis

CLINICAL/SCIENTIFIC NOTES

145 Primary progressive aphasia: Quantitative analysis
S. Arzy, J.P. Newman, T. Ben-Hur, and R.R. Leker

146 Paroxysmal movement disorders in GLUT1 deficiency syndrome
G. Zorzi, B. Castellotti, F. Zibordi, C. Gellera, and N. Nardocci

NEUROIMAGES

149 Hourglass brain
R.M. Guerreiro and P. Fontoura

RESIDENT & FELLOW SECTION

e3 Teaching Neurolmage: Spindle cell oncocytoma of the pituitary gland
M.U. Farooq, A. Bhatt, and H.T. Chang
CORRESPONDENCE
150 Relevance of the antibody index to diagnose Lyme neuroborreliosis among seropositive patients

151 Relevance of the antibody index to diagnose Lyme neuroborreliosis among seropositive patients
To the Editor: Unn Ljøstad and Åse Mygland. Reply from the Authors: F. Blanc, B. Jaulhac, J. de Seze, Y. Hansmann, and C. Tranchant

CORRECTION
152 There is nothing staid about STARD: Progress in the reporting of diagnostic accuracy studies

AAN ANNUAL MEETING ABSTRACTS
153 Late-breaking science abstracts

DEPARTMENTS
157 Calendar
25A In the Next Issue

Neurology® Podcast

Right-to-left shunt does not increase white matter lesion load in migraine with aura patients
The weekly podcast of content from Neurology is located on the AAN Web site at www.aan.com. Select the “podcast” button in the Neurology section under Publications Highlights to subscribe to the podcasts or listen to an individual podcast.
This week’s podcast features an interview by Dr. Ted Burns with Drs. Alessandro Adami and Gian Paolo Anzola about their paper on white matter lesion load in migraine.

Neurology® Online CME Program

Earn CME while reading Neurology. This program is available only to online Neurology subscribers. Simply read the articles marked CME, go to www.neurology.org, and click on CME. This will provide all of the information necessary to get started. The American Academy of Neurology (AAN) is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to sponsor continuing medical education for physicians. Neurology is planned and produced in accordance with the ACCME Essentials. For more information, contact AAN Member Services at 800-879-1960.