Apolipoprotein E Lipidation and Amyloid Peptides
Hanson and colleagues characterize the lipidation states of β-amyloid peptides and apolipoprotein E in the cerebrospinal fluid in adults with respect to cognitive diagnosis and APOE ε4 allele carrier status at baseline and after a dietary intervention.

High-Dosage Ascorbic Acid Treatment in CMT1A
Lewis and coauthors determine whether 4 g/d of ascorbic acid improves the neuropathy of subjects with Charcot-Marie-Tooth disease type 1A (CMT1A).

Hemotoma Volume Predictors in Supratentorial ICH
To evaluate whether determinants of intracerebral hemorrhage (ICH) volume differ by topography, Falcone and colleagues sought to estimate location-specific effects for potential predictors of this radiological outcome.

Cingulate Epilepsy
Alkawadri and colleagues studied 14 consecutive cingulate gyrus epilepsy cases identified retrospectively to characterize the clinical and electrophysiological findings of epilepsies arising from the anterior and posterior cingulate gyrus.

Nonlesional Extratemporal Lobe Epilepsy Surgery
In a retrospective study, Noe and coauthors evaluate noninvasive diagnostic test results and their association with excellent surgical outcomes (defined using Engel classes I-III A of surgical outcomes) in a group of patients with medically resistant nonlesional extratemporal epilepsy.

Excitatory and Inhibitory Neurotransmitters in ALS
In a case-control study, Foerster and coauthors determine whether there are reductions in γ-aminobutyric acid levels and elevations in glutamate-glutamine levels in selected brain regions of patients with amyotrophic lateral sclerosis (ALS) by use of proton magnetic resonance spectroscopy.

Interleukin 17F and Interferon Beta in MS
Hartung and colleagues investigate the role of interleukin 17F (IL-17F) in predicting treatment response to interferon beta-1b in patients with relapsing-remitting multiple sclerosis (MS) using the Singulex Erenna IL-17F immunoassay.
Research (continued)

**Fragile X–Associated Tremor/Ataxia Syndrome**

Wang and coauthors examine the associations of CGG repeat and *FMR1* messenger RNA with motor-related fiber tracts in males with premutation alleles.

**Risk of Brain Injury Biomarkers With β-Amyloidosis**

In a long-term study, Knopman et al evaluate 191 cognitively normal elderly individuals to determine the effect of the joint presence of β-amyloid and brain injury biomarkers on neurodegeneration.

**Alzheimer Disease and White Matter Hyperintensities**


**Blood Pressure and Progression of Brain Atrophy**

Jochemsen and colleagues examined the associations of baseline blood pressure and change in blood pressure over time with progression of brain atrophy using data from the Secondary Manifestations of ARTerial disease–Magnetic Resonance Study.

Clinical Review & Education

**Auditory Neglect**

Gokhale et al indicate that visual and somatosensory neglect have been extensively reported and widely recognized. Clinical assessment of auditory neglect is often difficult because of accompanying neurological deficits and lack of accurate bedside tests.