

# Neurology<sup>®</sup>

## Table of Contents

Volume 82, Number 1, January 7, 2014

Neurology.org

THE MOST WIDELY READ AND HIGHLY CITED PEER-REVIEWED  
NEUROLOGY JOURNAL



### IN FOCUS

- 1 Spotlight on the January 7 Issue
- 62 This Week's *Neurology*<sup>®</sup> Podcast



### ACKNOWLEDGMENT TO REVIEWERS



- 2 Message from the Editors to our Reviewers  
*R.A. Gross, D.S. Knopman, A.A. Amato, G.D. Cascino, J.R. Corboy, M.S.V. Elkind, J.W. Mink, R.M. Ransohoff, R.J. Uitti, and B.B. Worrall*


### EDITORIALS

- 11 A call for "negative" outcome studies  
*D.K. Knopman and R.A. Gross*
- 13 The underestimation of familial ALS and counseling patients with sporadic ALS  
*C. Armon*
- 15 BCG vaccine for clinically isolated syndrome and MS: Infections and protective immunity  
*D. Bourdette and R.T. Naismith*


### ARTICLES

- 17 Familial clustering of ALS in a population-based resource  
*S.B. Gibson, K.P. Figueroa, M.B. Bromberg, S.-M. Pulst, and L. Cannon-Albright*  
**Editorial, p. 13**
- 23 Cluster RCT of case management on patients' quality of life and caregiver strain in ALS  
*H. Creemers, J.H. Veldink, H. Grupstra, F. Nollet, A. Beelen, and L.H. van den Berg*  

- 32 Effect of subthalamic nucleus deep brain stimulation on driving in Parkinson disease  
*C. Buhmann, L. Maintz, J. Hierling, E. Vettorazzi, C.K.E. Moll, A.K. Engel, C. Gerloff, W. Hamel, and W.H. Zangemeister*  


- 41 Effects of Bacille Calmette-Guérin after the first demyelinating event in the CNS  
*G. Ristori, S. Romano, S. Cannoni, A. Visconti, E. Tinelli, L. Mendozzi, P. Cecconi, R. Lanzillo, M. Quarantelli, C. Buttinelli, C. Gasperini, M. Frontoni, G. Coarelli, D. Caputo, V. Bresciamorra, N. Vanacore, C. Pozzilli, and M. Salvetti*  
  **Editorial, p. 15**

- 49 Neuroimaging and clinical features in type II (late-onset) Alexander disease  
*J. Graff-Radford, K. Schwartz, R.H. Gavriloza, D.H. Lachance, and N. Kumar*  


- 57 White matter perivascular spaces: An MRI marker in pathology-proven cerebral amyloid angiopathy?  
*A. Charidimou, Z. Jaunmuktane, J.-C. Baron, M. Burnell, P. Varlet, A. Peeters, J. Xuereb, R. Jäger, S. Brandner, and D.J. Werring*

- 63 Effect of head impacts on diffusivity measures in a cohort of collegiate contact sport athletes  
*T.W. McAllister, J.C. Ford, L.A. Flashman, A. Maerlender, R.M. Greenwald, J.G. Beckwith, R.P. Bolander, T.D. Tosteson, J.H. Turco, R. Raman, and S. Jain*  


- 70 Head trauma and in vivo measures of amyloid and neurodegeneration in a population-based study  
*M.M. Mielke, R. Savica, H.J. Wiste, S.D. Weigand, P. Vemuri, D.S. Knopman, V.J. Lowe, R.O. Roberts, M.M. Machulda, Y.E. Geda, R.C. Petersen, and C.R. Jack, Jr*

### CONTEMPORARY ISSUES

- 77 The questionable use of unequal allocation in confirmatory trials  
*S.P. Hey and J. Kimmelman*

### VIEWS & REVIEWS

- 80 Prevalence of ataxia in children: A systematic review  
*K.E. Musselman, C.T. Stoyanov, R. Marasigan, M.E. Jenkins, J. Konczak, S.M. Morton, and A.J. Bastian*

CONTINUED

# Neurology<sup>®</sup>

## Table of Contents

*continued*



### CLINICAL/SCIENTIFIC NOTES

- 90 Varicella-zoster virus trigeminal ganglioneuritis without rash  
*M. Birlea, M.A. Nagel, N. Khmeleva, A. Choe, B. Kleinschmidt-DeMasters, R. Hevner, P. Boyer, K.C. Lear-Kaul, N. Bos, M. Wellish, R.J. Cohrs, and D. Gildea*

### NEUROIMAGES

- 93 Nontraumatic hypertrophic neuroma in treated Hansen disease  
*C. Parres, C. Thomas, W. Ooi, D. Bryan, D. Ho, and J. Srinivasan*

### RESIDENT & FELLOW SECTION

- e1 Child Neurology: Recurrent rhabdomyolysis due to a fatty acid oxidation disorder  
*G. Terrone, M. Ruoppolo, N. Brunetti-Pierri, C. Cozzolino, E. Scolamiero, G. Parenti, A. Romano, G. Andria, F. Salvatore, and G. Frisso*
- e5 Right Brain: A reading specialist with alexia without agraphia: Teacher interrupted  
*J. Cuomo, M. Flaster, and J. Biller*

- e8 Teaching Video NeuroImages: Holmes tremor in progressive multifocal leukoencephalopathy isolated to the posterior fossa  
*J. Katchanov and G. Branding*

### WRITECLICK: EDITOR'S CHOICE

- 95 Summary of evidence-based guideline: Periprocedural management of antithrombotic medications in patients with ischemic cerebrovascular disease: Report of the Guideline Development Subcommittee of the American Academy of Neurology  
*K.F. Khoo, B. Lepas; Author response: M.J. Armstrong, J. Biller, L.B. Goldstein, M. Schneck, S.R. Messé*
- 95 Meeting the challenges of stroke in India  
*M. Sharma, N.K. Sethi; Author response: M. M. Mehndiratta, A. Singhal, S. Chaturvedi, MR. Sivakumar, M. Moonis*

### CORRECTION

- 96 Skin sympathetic fiber  $\alpha$ -synuclein deposits: A potential biomarker for pure autonomic failure

### DEPARTMENT

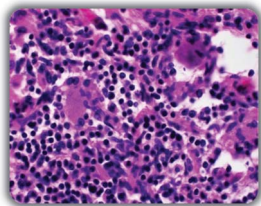
- C3 In the Next Issue of *Neurology*<sup>®</sup>

Podcast at [www.neurology.org](http://www.neurology.org) CME Video Patient Page LOE classification LOE recommendation



Find us on Facebook

[tinyurl.com/neurologyfan](http://tinyurl.com/neurologyfan) [twitter.com/GreenJournal](https://twitter.com/GreenJournal)



**Cover image:** Dense lymphocytic-predominant inflammatory infiltrate surrounding neurons in the ganglion of a patient with varicella-zoster virus trigeminal ganglioneuritis without rash. See page 90.

Look for **Publish Ahead of Print** articles and editorials under the Ahead of Print tab at [Neurology.org](http://Neurology.org)

# Neurology®

82 (1)  
*Neurology* 2014;82:e5-96

**This information is current as of January 1, 2014**

<b>Updated Information &amp; Services</b>	including high resolution figures, can be found at: <a href="http://n.neurology.org/content/82/1.full">http://n.neurology.org/content/82/1.full</a>
<b>Permissions &amp; Licensing</b>	Information about reproducing this article in parts (figures, tables) or in its entirety can be found online at: <a href="http://www.neurology.org/about/about_the_journal#permissions">http://www.neurology.org/about/about_the_journal#permissions</a>
<b>Reprints</b>	Information about ordering reprints can be found online: <a href="http://n.neurology.org/subscribers/advertise">http://n.neurology.org/subscribers/advertise</a>

*Neurology*® is the official journal of the American Academy of Neurology. Published continuously since 1951, it is now a weekly with 48 issues per year. Copyright . All rights reserved. Print ISSN: 0028-3878. Online ISSN: 1526-632X.

