

# Neurology<sup>®</sup>

## Table of Contents

Volume 86, Number 21, May 24, 2016

Neurology.org

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




### IN FOCUS

- 1931 Spotlight on the May 24 Issue  
1991 This Week's *Neurology*<sup>®</sup> Podcast

### EDITORIALS

- 1932 Refractory epilepsy is a life-threatening disease:  
Lest we forget  
*N. Jette and J. Engel, Jr.*
- 1934 Bringing posttraumatic sleep-wake disorders out of  
the dark  
*B.L. Edlow and G.J. Lammers*
- 1936 Cerebral autoregulation in acute SAH: The more we  
know the better?  
*M. Reinhard and G.L. Bernardini*

### ARTICLES

- 1938 A reappraisal of mortality after epilepsy surgery  
*M.R. Sperling, S. Barshov, M. Nei, and  
A.A. Asadi-Pooya*  
**Editorial, p. 1932**
- 1945 Sleep-wake disorders persist 18 months after  
traumatic brain injury but remain underrecognized  
*L.L. Imbach, F. Büchele, P.O. Valko, T. Li, A. Maric,  
J.F. Stover, C.L. Bassetti, L. Mica, E. Werth, and  
C.R. Baumann*  
 **Editorial, p. 1934**
- 1950 Pathophysiologic differences in cerebral  
autoregulation after subarachnoid hemorrhage  
*G.A. Santos, N. Petersen, A.A. Zamani, R. Du,  
S. LaRose, A. Monk, F.A. Sorond, and C.O. Tan*  
**Editorial, p. 1936**
- 1957 Non-moyamoya vessel network formation along  
steno-occlusive middle cerebral artery  
*Y.-Y. Xu, M.-L. Li, S. Gao, B. Hou, Z.-Y. Sun, H.-L. Zhou,  
F. Feng, and W.-H. Xu*
- 1962 Comment: Implications of non-moyamoya vessel  
formation in MCA steno-occlusive disease  
*R.M. Starke*

- 1964 Distinct molecular mechanisms of *HTRA1* mutants in  
manifesting heterozygotes with CARASIL  
*H. Nozaki, T. Kato, M. Nihonmatsu, Y. Saito,  
I. Mizuta, T. Noda, R. Koike, K. Miyazaki, M. Kaito,  
S. Ito, M. Makino, A. Koyama, A. Shiga, M. Uemura,  
Y. Sekine, A. Murakami, S. Moritani, K. Hara,  
A. Yokoseki, R. Kuwano, N. Endo, T. Momotsu,  
M. Yoshida, M. Nishizawa, T. Mizuno, and  
O. Onodera*
- 1972 Comment: Autosomal dominant small vessel disease  
due to heterozygous *HTRA1* mutations  
*M. Ihara*
- 1975 Restriction of therapy mainly explains lower  
thrombolysis rates in reduced stroke service  
levels  
*C. Gumbinger, B. Reuter, W. Hacke, T. Sauer, I. Bruder,  
C. Diehm, H. Wiethölter, K. Schoser, M. Daffertshofer,  
S. Neumaier, E. Drewitz, S. Rode, R. Kern,  
M.G. Hennerici, C. Stock, and P. Ringleb*
- 1981 Comment: Well-organized stroke service reduces the  
burden of stroke  
*M. Kaste*
- 1984 Natural history of cavernous malformation: Systematic  
review and meta-analysis of 25 studies  
*S. Taslimi, A. Modabbernia, S. Amin-Hanjani,  
F.G. Barker II, and R.L. Macdonald*  

- 1992 Effect of two 12-minute culturally targeted films on  
intent to call 911 for stroke  
*O. Williams, E. Leighton-Herrmann, A. DeSorbo,  
J. Eimicke, A. Abel-Bey, L. Valdez, J. Noble, M. Gordillo,  
J. Ravenell, M. Ramirez, J.A. Teresi, G. Jean-Louis, and  
G. Ogedegbe*
- 1996 Impaired renal function is associated with brain atrophy  
and poststroke cognitive decline  
*E. Auriel, E. Kliper, S. Shenhar-Tsarfaty, J. Molad,  
S. Berliner, I. Shapira, D. Ben-Bashat, L. Shopin,  
O. Tene, G.A. Rosenberg, N.M. Bornstein, and  
E. Ben Assayag*

CONTINUED

# Neurology<sup>®</sup>

## Table of Contents

*continued*



2006 Brain reserve against physical disability progression over 5 years in multiple sclerosis  
*J.F. Sumowski, M.A. Rocca, V.M. Leavitt, A. Meani, S. Mesaros, J. Drulovic, P. Preziosa, C.G. Habeck, and M. Filippi*

2010 A comparison of current serum biomarkers as diagnostic indicators of mitochondrial diseases  
*R.L. Davis, C. Liang, and C.M. Sue*



2016 Loss of function of PCDH12 underlies recessive microcephaly mimicking intrauterine infection  
*A. Aran, N. Rosenfeld, R. Jaron, P. Renbaum, S. Zuckerman, H. Fridman, S. Zeligson, R. Segel, Y. Kohn, L. Kamal, M. Kanaan, Y. Segev, E. Mazaki, R. Rabinowitz, O. Shen, M. Lee, T. Walsh, M.C. King, S. Gulsuner, and E. Levy-Lahad*

### REFLECTIONS: NEUROLOGY AND THE HUMANITIES

e217 Remembering  
*A. Duffy*

### RESIDENT & FELLOW SECTION

e218 Clinical Reasoning: Pneumocephalus and pneumorrhachis in a 67-year-old man  
*B. Schömig, C. Seliger, W. Schulte-Mattler, K. Angstwurm, K. Fuchs, U. Bogdahn, and F. Schlachetzki*

e222 Emerging Subspecialties in Neurology: Neuro-ophthalmology  
*A. Desai, J. Stelzer, S. Desai, and S. Berman*

### WRITECLICK<sup>®</sup> EDITOR'S CHOICE

2025 Chikungunya virus-associated encephalitis: A cohort study on La Réunion Island, 2005–2009  
*J.R.M. Oliveira; Author Response: P. Gérardin, T. Couderc, H. Randrianaivo, X. Fritel, M. Lecuit*

2026 No association of multiple sclerosis activity and progression with EBV or tobacco use in BENEFIT  
*A. Sena, C. Capela, V. Ferret-Sena; Author Response: K.L. Munger, A. Ascherio, G. Suarez*

### DEPARTMENT

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

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

Find us on Facebook [tinyurl.com/neurologyfan](https://www.facebook.com/Neurology) twitter [twitter.com/GreenJournal](https://twitter.com/GreenJournal)



**Cover image:** Coronal section of the frontal lobe stained with Luxol fast blue from a manifesting heterozygote with CARASIL. See page 1964.

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

# Neurology®

86 (21)

*Neurology* 2016;86:e218-2026

**This information is current as of January 1, 2016**

**Updated Information & Services**

including high resolution figures, can be found at:  
<http://n.neurology.org/content/86/21.full>

**Permissions & Licensing**

Information about reproducing this article in parts (figures, tables) or in its entirety can be found online at:  
[http://www.neurology.org/about/about\\_the\\_journal#permissions](http://www.neurology.org/about/about_the_journal#permissions)

**Reprints**

Information about ordering reprints can be found online:  
<http://n.neurology.org/subscribers/advertise>

*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.

