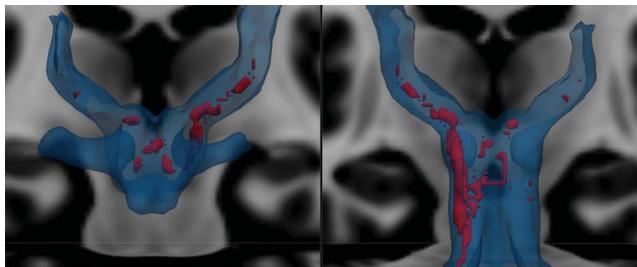


## TABLE OF CONTENTS

Volume 93, Number 13, September 24, 2019

Neurology.org/N



### COVER IMAGE

Peak areas of tract disruption within the ascending arousal network. In blue: 3-dimensional reconstruction of median normalized tracts in control subjects connecting the brainstem tegmentum seed to a combined target including the hypothalamus, thalamus, and basal forebrain. In red: voxels with significantly fewer normalized tracts in patients relative to controls.

See page 578

### IN FOCUS

567 Spotlight on the September 24 issue

568 This Week's *Neurology®* Podcast

### EDITORIALS

569 When white matter lesions cross the (mid)ventricle line: Predicting outcome in preterm infants

C. Juhász and M. Shevell

571 MRI endophenotypes of heritability and cognitive dysfunction in juvenile myoclonic epilepsy

F. Cendes and G.D. Cascino

### ARTICLES: SHORT FORMAT

Full articles at [Neurology.org/N](https://www.neurology.org/N)

573 Predicting developmental outcomes in preterm infants: A simple white matter injury imaging rule

D. Cayam-Rand, T. Guo, R.E. Grunau, I. Benavente-Fernández, A. Synnes, V. Chau, H. Branson, B. Latal, P. McQuillen, and S.P. Miller

⇒ Editorial, p. 569

574 Long-term progression in type II spinal muscular atrophy: A retrospective observational study

E. Mercuri, S. Lucibello, M.C. Pera, S. Carnicella, G. Coratti, R. de Sanctis, S. Messina, E. Mazzone, N. Forcina, L. Fanelli, G. Norcia, L. Antonaci, A.L. Frongia, and M. Pane

⇒ CME Course

575 The epileptology of alternating hemiplegia of childhood

J. Uchitel, A. Helseth, L. Prange, M. McLean, R. Ghusayni, M. Sachdev, A. Hunanyan, and M.A. Mikati

576 Clinical EEG slowing correlates with delirium severity and predicts poor clinical outcomes

E.Y. Kimchi, A. Neelagiri, W. Whitt, A.R. Sagi, S.L. Ryan, G. Gadbois, D. Groothuysen, and M.B. Westover

⇒ CME Course

577 Developmental MRI markers cosegregate juvenile patients with myoclonic epilepsy and their healthy siblings

B. Wandschneider, S.-J. Hong, B.C. Bernhardt, F. Fadaie, C. Vollmar, M.J. Koepf, N. Bernasconi, and A. Bernasconi

⇒ Editorial, p. 571 Open Access Article ⇒ Class of Evidence

578 Disruption of the ascending arousal network in acute traumatic disorders of consciousness

S.B. Snider, Y.G. Bodien, M. Bianciardi, E.N. Brown, O. Wu, and B.L. Edlow

⇒ Video

579 Early molecular oxidative stress biomarkers of ischemic penumbra in acute stroke

S. Lorenzano, N.S. Rost, M. Khan, H. Li, L.M. Batista, A. Chutinet, R.E. Green, T.K. Thankachan, B. Thornell, A. Muzikansky, K. Arai, A.T. Sorn, L.-D.D. Pham, O. Wu, G.J. Harris, E.H. Lo, J.B. Blumberg, P.E. Milbury, S.K. Feske, and K.L. Furie

580 Serum GFAP and neurofilament light as biomarkers of disease activity and disability in NMOSD

M. Watanabe, Y. Nakamura, Z. Michalak, N. Isobe, C. Barro, D. Leppert, T. Matsushita, F. Hayashi, R. Yamasaki, J. Kuhle, and J.-i. Kira

581 Vamorolone trial in Duchenne muscular dystrophy shows dose-related improvement of muscle function

E.P. Hoffman, B.D. Schwartz, L.J. Mengle-Gaw, E.C. Smith, D. Castro, J.K. Mah, C.M. McDonald, N.L. Kuntz, R.S. Finkel, M. Guglieri, K. Bushby, M. Tulinius, Y. Nevo, M.M. Ryan, R. Webster, A.L. Smith, L.P. Morgenroth, A. Arrieta, M. Shimony, C. Siener, M. Jaros, P. Shale, J.M. McCall, K. Nagaraju, J. van den Anker, L.S. Conklin, A. Cnaan, H. Gordish-Dressman, J.M. Damsker, and P.R. Clemens, and the Cooperative International Neuromuscular Research Group

Open Access Article ⇒ Class of Evidence

### AHEAD OF PRINT ARTICLES AND EDITORIALS

NPub.org/aheadofprint

Continued

**What's Happening**

- 582 What's happening in *Neurology*®  
583 What's happening in *Neurology*® Genetics

**Special Article**

- 584 Practice guideline update summary: Vaccine-preventable infections and immunization in multiple sclerosis: Report of the Guideline Development, Dissemination, and Implementation Subcommittee of the American Academy of Neurology

M.F. Farez, J. Correale, M.J. Armstrong, A. Rae-Grant, D. Gloss, D. Donley, Y. Holler-Managan, N.J. Kachuck, D. Jeffery, M. Beilman, G. Gronseth, D. Michelson, E. Lee, J. Cox, T. Getchius, J. Sejvar, and P. Narayanaswami

Podcast Level of Recommendation

**Clinical/Scientific Notes**

- 595 Dravet syndrome and parkinsonism: A case report investigating the dopaminergic system

L. Deuel, A.E. Collins, E.H. Maa, J.P. Barr, and D.S. Kern

**Resident & Fellow Section**

- 597 Resident & Fellow Rounds

J.J. Millichap and R.E. Strowd III

- 599 Mystery Case: Bilateral Claude syndrome

J. Witsch, R. Narula, H. Amin, and J.L. Schindler

Video

- e1324 Teaching NeuroImages: Thermal imaging in Horner syndrome

A.D. Henderson, P.Y. Ramulu, and J.F. Lawler

- e1326 Teaching NeuroImages: Frontal lobe involvement in adult-onset cerebral X-linked adrenoleukodystrophy

C. Liu, Y. Cao, and B. Bu

**Disputes & Debates: Editors' Choice**

- 601 Editors' note: Unintended consequences of Mayo paraneoplastic evaluations  
A. Ganesh and S. Galetta

- 602 Reader response: Unintended consequences of Mayo paraneoplastic evaluations  
P. Kelkar

- 602 Reader response: Unintended consequences of Mayo paraneoplastic evaluations  
M.R. Brier, R.C. Bucelli, and G.S. Day

- 603 Author response: Unintended consequences of Mayo paraneoplastic evaluations  
B.C. Callaghan

- 604 Reader response: Unintended consequences of Mayo paraneoplastic evaluations  
S.J. Pittock, J.R. Mills, and A. McKeon

- 606 Author response: Unintended consequences of Mayo paraneoplastic evaluations  
B.C. Callaghan and J.F. Burke

**Corrections**

- 608 Genetic variation in *PLEKHG1* is associated with white matter hyperintensities (n = 11,226)

- 608 Incidence of frontotemporal lobar degeneration in Italy: The Salento-Brescia Registry study

- 608 Changes in cerebral autoregulation and blood biomarkers after remote ischemic preconditioning

- 608 Iron deposition in periaqueductal gray matter as a potential biomarker for chronic migraine

**Department**

In the Next Issue of *Neurology*®

**Subspecialty Alerts by E-mail!**

Customize your online journal experience by signing up for e-mail alerts related to your subspecialty or area of interest. Access this free service by clicking on the "My Alerts" link on the home page. An extensive list of subspecialties, methods, and study design choices will be available for you to choose from—allowing you priority alerts to cutting-edge research in your field!

# Neurology®

**93 (13)**  
*Neurology* 2019;93:e1324-608

**This information is current as of January 1, 2019**

**Updated Information &  
Services**

including high resolution figures, can be found at:  
<http://n.neurology.org/content/93/13.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.

