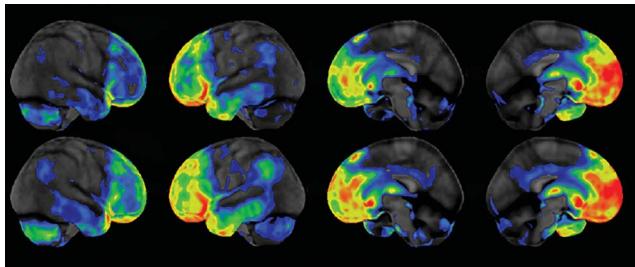


TABLE OF CONTENTS

Volume 95, Number 24, December 15, 2020

Neurology.org/N



COVER IMAGE

Individual baseline FDG-PET CortexID Z score maps of a patient with Pick disease presenting with behavioral variant frontotemporal dementia.

See page 1084

Editorials

- 1071 Genetics and adult-onset chronic idiopathic axonal neuropathy
M.E. Shy

- 1074 Dementia and epilepsy: Not a one-way street
W.A. Hauser, A. Lleo, and H. Schmolck

- 1076 Alzheimer disease biomarker profiles in dementia with Lewy bodies: Does A plus T spell D-L-B?
A.K. Koyama and D.J. Irwin

- 1078 Mechanical thrombectomy in patients with large core: Does location matter?
J. Molad

- 1080 A repeating theme in amyotrophic lateral sclerosis genetics
P.K. Todd

Articles: Short Format

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

- 1082 The genetic landscape of axonal neuropathies in the middle-aged and elderly: Focus on MME

J. Senderek, P. Lassuthova, D. Kabzińska, L. Abreu, J. Baets, C. Beetz, G.J. Braathen, D. Brenner, J. Dalton, L. Dankwa, T. Deconinck, P. De Jonghe, B. Dräger, K. Eggemann, M. Ellis, C. Fischer, T. Stojkovic, D.N. Herrmann, R. Horvath, H. Hoyer, S. Iglseder, M. Kennerson, K. Kinslechner, J.N. Kohler, I. Kurth, N.G. Laing, P.J. Lamont, W. Löscher, A. Ludolph, W. Marques, Jr., G. Nicholson, R. Ong, S. Petri, G. Ravenscroft, A. Rebelo, G. Ricci, S. Rudnik-Schöneborn, A. Schirrmacher, B. Schlotter-Weigel, L. Schoels, R. Schüle, M. Synofzik, B. Francou, T.M. Strom, J. Wagner, D. Walk, J. Wanschitz, D. Weinmann, J. Weishaupl, M. Wiessner, R. Windhager, P. Young, S. Züchner, S. Toegel, P. Seeman, A. Kochański, and M. Auer-Grumbach

• Editorial, p. 1071

Ahead of Print Articles and Editorials

NPub.org/aheadofprint

- 1083 Pregnancy in Charcot-Marie-Tooth disease: Data from the Italian CMT national registry

C. Pisciotta, D. Calabrese, L. Santoro, I. Tramacere, F. Manganelli, G.M. Fabrizi, A. Schenone, T. Cavallaro, M. Grandis, S.C. Previtali, I. Allegri, L. Padua, C. Pazzaglia, P. Saveri, A. Quattrone, P. Valentino, S. Tozza, L. Gentile, M. Russo, A. Mazzeo, M.C. Trapasso, F. Parazzini, G. Vita, and D. Pareyson, for the Italian CMT Network

• CME Course

- 1084 Longitudinal anatomic, functional, and molecular characterization of Pick disease phenotypes

J.L. Whitwell, N. Tosakulwong, C.C. Schwarz, M.L. Senjem, A.J. Spychalla, J.R. Duffy, J. Graff-Radford, M.M. Machulda, B.F. Boeve, D.S. Knopman, R.C. Petersen, V.J. Lowe, C.R. Jack, Jr., D.W. Dickson, J.E. Parisi, and K.A. Josephs

- 1085 Prehospital midazolam use and outcomes among patients with out-of-hospital status epilepticus

E.L. Guterman, J.K. Sanford, J.P. Betjemann, L. Zhang, J.F. Burke, D.H. Lowenstein, S.A. Josephson, and K.A. Sporer

• Class of Evidence

- 1086 Epilepsy after brain infection in adults: A register-based population-wide study

J. Zelano and G. Westman

• Class of Evidence

- 1087 The costs of epilepsy in Australia: A productivity-based analysis

E. Foster, Z. Chen, E. Zomer, M. Rychkova, P. Carney, T.J. O'Brien, D. Liew, G.D. Jackson, P. Kwan, and Z. Ademi

- 1088 Antiseizure medication use during pregnancy and risk of ASD and ADHD in children

K.K. Wiggs, M.E. Rickert, A.C. Sujan, P.D. Quinn, H. Larsson, P. Lichtenstein, A.S. Oberg, and B.M. D'Onofrio

Open Access Article

- 1089 Bi-directional association between epilepsy and dementia: The Framingham Heart Study

M. Stefanidou, A.S. Beiser, J.J. Himali, T.J. Peng, O. Devinsky, S. Seshadri, and D. Friedman

• Editorial, p. 1074

- 1090 Dementia in late-onset epilepsy: The Atherosclerosis Risk in Communities study

E.L. Johnson, G.L. Krauss, A. Kucharska-Newton, M.S. Albert, J. Brandt, K.A. Walker, S. Yasar, D.S. Knopman, K.A. Vossel, and R.F. Gottesman

• Editorial, p. 1074

Continued

- 1091 **β-Amyloid and tau biomarkers and clinical phenotype in dementia with Lewy bodies**
D. Ferreira, S.A. Przybelski, T.G. Lesnick, A.W. Lemstra, E. Londos, F. Blanc, Z. Nedelska, C.G. Schwarz, J. Graff-Radford, M.L. Senjem, J.A. Fields, D.S. Knopman, R. Savica, T.J. Ferman, N.R. Graff-Radford, V.J. Lowe, C.R. Jack, Jr., R.C. Petersen, B. Mollenhauer, S. Garcia-Ptacek, C. Abdelnour, J. Horts, L. Bonanni, K. Oppedal, M.G. Kramberger, B.F. Boeve, D. Aarsland, E. Westman, and K. Kantarci
 CME Course Class of Evidence
- 1092 **Neuropathologic burden and the degree of frailty in relation to global cognition and dementia**
L.M.K. Wallace, O. Theou, S. Darvesh, D.A. Bennett, A.S. Buchman, M.K. Andrew, S.A. Kirkland, J.D. Fisk, and K. Rockwood
- 1093 **Apathy and risk of probable incident dementia among community-dwelling older adults**
M.A. Bock, A. Bahorik, W.D. Brenowitz, and K. Yaffe
- 1094 **C9orf72, age at onset, and ancestry help discriminate behavioral from language variants in FTLD cohorts**
B. Costa, C. Manzoni, M. Bernal-Quiros, D.A. Kia, M. Aguilar, I. Alvarez, V. Alvarez, O. Andreassen, M. Anfossi, S. Bagnoli, L. Benussi, L. Bernardi, G. Binetti, D. Blackburn, M. Boada, B. Borroni, L. Bowns, G. Bräthen, A.C. Bruni, H.-H. Chiang, J. Clarimon, S. Colville, M.E. Conidi, T.E. Cope, C. Cruchaga, C. Cupidi, M.E. Di Battista, J. Diehl-Schmid, M. Diez-Fairen, O. Dols-Icardo, E. Durante, D. Flisar, F. Frangipane, D. Galimberti, M. Gallo, M. Gallucci, R. Ghidoni, C. Graff, J.H. Grafman, M. Grossman, J. Hardy, I. Hernández, G.J.T. Holloway, E.D. Huey, I. Illán-Gala, A. Karydas, B. Khoshnood, M.G. Kramberger, M. Kristiansen, P.A. Lewis, A. Lleó, G.K. Madhan, R. Maletta, A. Maver, M. Menendez-Gonzalez, G. Milan, B. Miller, M.O. Mol, P. Momeni, S. Moreno-Grau, C.M. Morris, B. Nacmias, C. Nilsson, V. Novelli, L. Öijerstedt, A. Padovani, S. Pal, Y. Panchbhaya, P. Pastor, B. Peterlin, I. Piaceri, S. Pickering-Brown, Y.A.L. Pijnenburg, A.A. Puca, I. Rainero, A. Rendina, A.M.T. Richardson, E. Rogeava, B. Rogelj, S. Rollinson, G. Rossi, C. Rossmeier, J.B. Rowe, E. Rubino, A. Ruiz, R. Sanchez-Valle, S.B. Sando, A.F. Santillo, J. Saxon, E. Scarpini, M. Serpente, N. Smirne, S. Sorbi, E.R. Suh, F. Tagliavini, J.C. Thompson, J.Q. Trojanowski, V.M. Van Deerlin, J. Van der Zee, C. Van Broeckhoven, J. van Rooij, J.C. Van Swieten, A. Veronesi, E. Vitale, M.L. Waldö, C. Woodward, J. Yokoyama, V. Escott-Price, J.M. Polke, and R. Ferrari, for the International FTD-Genetics Consortium
 Open Access Article
- 1095 **Association of serial position scores on memory tests and hippocampal-related neuropathologic outcomes**
K.M. Gicas, W.G. Honer, R.S. Wilson, P.A. Boyle, S.E. Leurgans, J.A. Schneider, and D.A. Bennett
- 1096 **Leadership, recognition awards, and publication by men and women in the American Academy of Neurology**
J.M. Miyasaki, E. Maplethorpe, Y. Yuan, C. Keran, and R.A. Gross
 Podcast
- 1097 **Exploring the relationship between effort perception and poststroke fatigue**
W. De Doncker, L. Charles, S. Ondobaka, and A. Kuppuswamy
 Open Access Article
- 1098 **Association of common genetic variants with brain microbleeds: A genome-wide association study**
M.J. Knol, D. Lu, M. Traylor, H.H.H. Adams, J.R.J. Romero, A.V. Smith, M. Fornage, E. Hofer, J. Liu, I.C. Hostettler, M. Luciano, S. Trompet, A.-K. Giese, S. Hilal, E.B. van den Akker, D. Vojinovic, S. Li, S. Sigurdsson, S.J. van der Lee, C.R. Jack, Jr., D. Wilson, P. Yilmaz, C.L. Satizabal, D.C.M. Liewald, J. van der Grond, C. Chen, Y. Saba, A. van der Lugt, M.E. Bastin, B.G. Windham, C.Y. Cheng, L. Pirpamer, K. Kantarci, J.J. Hjalmalí, Q. Yang, Z. Morris, A.S. Beiser, D.J. Tozer, M.W. Vernooij, N. Amin, M. Beekman, J.Y. Koh, D.J. Stott, H. Houlden, R. Schmidt, R.F. Gottesman, A.D. MacKinnon, C. DeCarli, V. Gudnason, I.J. Deary, C.M. van Duijn, P.E. Slagboom, T.Y. Wong, N.S. Rost, J.W. Jukema, T.H. Mosley, D.J. Werring, H. Schmidt, J.M. Wardlaw, M.A. Ikram, S. Seshadri, L.J. Launer, and H.S. Markus, for the Alzheimer's Disease Neuroimaging Initiative
 Open Access Article
- 1099 **The role of infarct location in patients with DWI-ASPECTS 0–5 acute stroke treated with thrombectomy**
P. Panni, C. Michelozzi, R. Blanc, B. Chen, A. Consoli, M. Mazighi, M. Piotin, C. Dargazanli, C. Arquizan, G. Marnat, I. Sibon, R. Anxionnat, S. Richard, G. Hossu, R. Bourcier, B. Lapergue, and B. Gory, on behalf of the ETIS (Endovascular Treatment in Ischemic Stroke) Investigators
 Editorial, p. 1078
- 1100 **Safety and efficacy of remote ischemic postconditioning after thrombolysis in patients with stroke**
J.-q. An, Y.-w. Cheng, Y.-c. Guo, M. Wei, M.-j. Gong, Y.-l. Tang, X.-y. Yuan, W.-f. Song, C.-y. Mu, A.-f. Zhang, A.M. Saguner, G.-l. Li, and G.-g. Luo
 Class of Evidence
- 1101 **Thrombectomy vs medical management in low NIHSS acute anterior circulation stroke**
O. Volny, C. Zerna, A. Tomek, M. Bar, M. Rocek, R. Padr, F. Cihlar, M. Nevsimalova, L. Jurak, R. Havlicek, M. Kovar, P. Sevcik, V. Rohan, J. Fiksa, D. Cernik, R. Jura, D. Vaclavik, P. Cimflova, J. Puig, D. Dowlatshahi, A.V. Khaw, E. Fainardi, M. Najm, A.M. Demchuk, B.K. Menon, R. Mikulik, and M.D. Hill
 Class of Evidence
- 1102 **Stroke risk, phenotypes, and death in COVID-19: Systematic review and newly reported cases**
S. Fridman, M.B. Bullrich, A. Jimenez-Ruiz, P. Costantini, P. Shah, C. Just, D. Vela-Duarte, I. Linfante, A. Sharifi-Razavi, N. Karimi, R. Bagur, D.B. Debicki, T.E. Gofton, D.A. Steven, and L.A. Sposato
- 1103 **Hematoma expansion is more frequent in deep than lobar intracerebral hemorrhage**
D. Roh, A. Boehme, C. Young, W. Roth, J. Gutierrez, M. Flaherty, J. Rosand, F. Testai, D. Woo, and M.S.V. Elkind
- 1104 **Identification of GGC repeat expansion in the NOTCH2NLC gene in amyotrophic lateral sclerosis**
Y. Yuan, Z. Liu, X. Hou, W. Li, J. Ni, L. Huang, Y. Hu, P. Liu, X. Hou, J. Xue, Q. Sun, Y. Tian, B. Jiao, R. Duan, H. Jiang, L. Shen, B. Tang, and J. Wang
 Editorial, p. 1080

Continued

1105 Asymmetric muscle weakness due to *ACTA1* mosaic mutations

X. Lornage, S. Quijano-Roy, H. Amthor, R.-Y. Carlier, N. Monnier, J.-F. Deleuze, N.B. Romero, J. Laporte, and J. Böhm

1106 Association of timing of gabapentinoid use with motor recovery after spinal cord injury

F.M. Warner, J.J. Cragg, C.R. Jutzeler, L. Grassner, O. Mach, D.D. Maier, B. Mach, J. Schwab, M.A. Kopp, and J.L.K. Kramer

Class of Evidence

1107 Association of early skin breaks and neonatal thalamic maturation: A modifiable risk?

E.G. Duerden, R.E. Grunau, V. Chau, F. Groenendaal, T. Guo, M.M. Chakravarty, M. Benders, N. Wagenaar, R. Eijsermans, C. Koopman, A. Synnes, L. de Vries, and S.P. Miller

1108 Association of caffeine and related analytes with resistance to Parkinson disease among *LRRK2* mutation carriers: A metabolomic study

G.F. Crotty, R. Maciuci, E.A. Macklin, J. Wang, M. Montalban, S.S. Davis, J.I. Alkabsh, R. Bakshi, X. Chen, A. Ascherio, G. Astarita, S. Huntwork-Rodriguez, and M.A. Schwarzschild

Open Access Article

1109 New onset of restless legs syndrome in pregnancy in a prospective multiracial cohort: Incidence and risk factors

M. Na, J. Wu, M. Li, S.N. Hinkle, C. Zhang, and X. Gao

What's Happening**1110 What's happening in *Neurology® Clinical Practice*****1111 What's happening in *Neurology® Neuroimmunology & Neuroinflammation*****1112 What's happening in Without Borders****Resident & Fellow Section****1113 Emerging Subspecialties in Neurology: Neurodevelopmental disabilities**

N.J. Abreu, D.K. Urion, and M.R. Asato

e3448 Child Neurology: Triosephosphate isomerase deficiency

C. Harris, B. Nelson, D. Farber, S. Bickel, H. Huxol, A. Asamoah, and R. Morton

e3452 Teaching NeuroImages: Tuberculous meningitis: Remembering the Rich focus

O.C. Murphy and C.A. Pardo

e3454 Teaching NeuroImages: Texting rhythm: A common EEG finding in the era of smartphone use

B. Hanrahan and W.O. Tatum IV

Disputes & Debates: Editors' Choice**1116 Editors' note: Child neurology in the 21st century: More than the sum of our RVUs**

J.E. Siegler III and S. Galetta

1116 Reader response: Child neurology in the 21st century: More than the sum of our RVUs

J.B. Wollack

1117 Author response: Child neurology in the 21st century: More than the sum of our RVUs

M. Zupanc

1117 Reader response: Child neurology in the 21st century: More than the sum of our RVUs

K.B. Nash, N.S. Abend, M.L. Hutchinson, R.D. Messer, and E.M. Wells

1118 Author response: Child neurology in the 21st century: More than the sum of our RVUs

M. Zupanc

Department

In the Next Issue of *Neurology®*

New, Free Mobile Learning App Offers Complimentary Self-assessment CME

The American Academy of Neurology is pleased to offer a new, mobile educational resource—free to AAN members! The Neurology Question of the Day mobile app offers a quick, convenient, and fun way to assess your knowledge and fulfill self-assessment CME requirements. Get started at AAN.com/QODapp.

Neurology®

95 (24)
Neurology 2020;95:e3241-1118

This information is current as of January 1, 2020

**Updated Information &
Services**

including high resolution figures, can be found at:
<http://n.neurology.org/content/95/24.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

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.

