

Table of Contents



From the Editor's Desk..... 175

The Nerve! Readers Speak..... 176

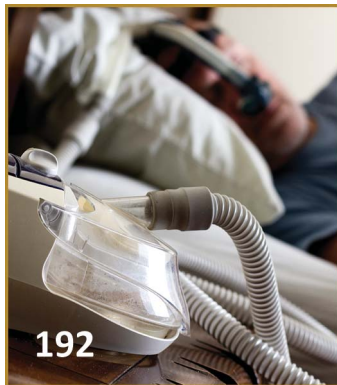
Clinical and Ethical Challenges

Contraindications to intravenous rtPA for acute stroke: A critical reappraisal 177

Jennifer E. Fugate and Alejandro A. Rabinstein

Stroke syndromes associated with DWI-negative MRI include ataxic hemiparesis and isolated internuclear ophthalmoplegia..... 186


Jennifer Watts, Brad Wood, Andrew Kelly, and Anthony Alvaro



Early diagnosis and treatment of obstructive sleep apnea after stroke: Are we neglecting a modifiable stroke risk factor? 192

Arielle P. Davis, Martha E. Billings, W.T. Longstreth, Jr., and Sandeep P. Khot

Practice Across Borders

 **Standard strategies for acute ischemic stroke within the rtPA therapeutic window**..... 202

Antonio Culebras and Seemant Chaturvedi

Julius Gene S. Latorre: United States

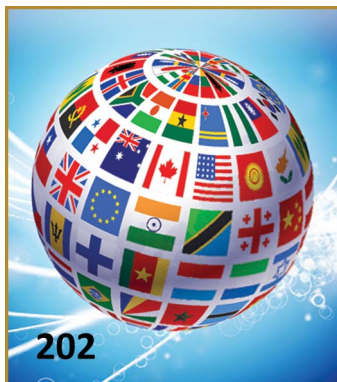
Turgut Tatlisumak: Finland

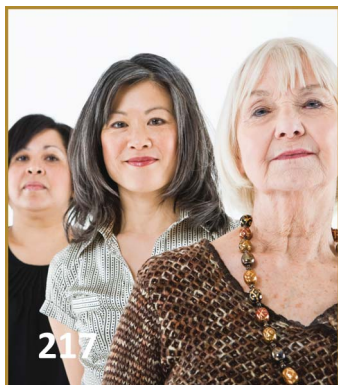
Yongjun Wang and Ruijun Ji: China

Ayrton Roberto Massaro: Brazil

Nabil Kitchener: Egypt

Graeme J. Hankey and Christopher R. Levi: Australia





Five New Things

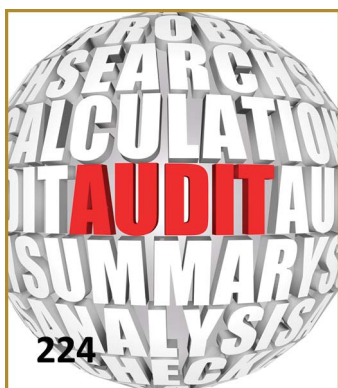
Neurologic diseases in women: Five new things..... **217**

Mary Angela O'Neal

Eye on Practice

Recovery audits: Practical update for neurology practices..... **224**

Joseph V. Fritz, Sandra Setlock, and Daneen P. Grooms

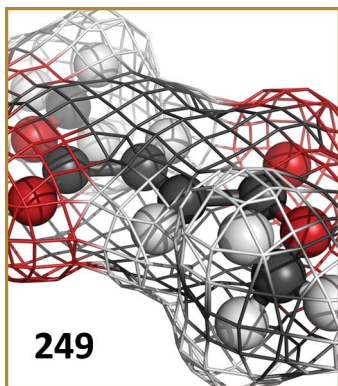


Practice and payment trends in neurology in 2012..... **233**

Karolina Craft, Peter Donofrio, Katie M. Shepard, Mary Coleman, and Gregory J. Esper

Enhancing the quality of care for patients with multiple sclerosis through performance improvement CME..... **240**

Bruce A. Cohen, Ben W. Thrower, Carolyn A. Berry, Stephanie A. Stowell, William A. Mencia, and Rachel B. Karcher



Drugs and Devices

Dimethyl fumarate for relapsing MS..... **249**

Alessandro Serra and Robert J. Fox

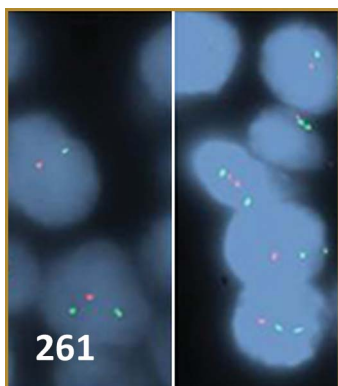
Teriflunomide..... **254**

Jiwon Oh and Paul W. O'Connor

Cases

Diffuse anaplastic leptomenigeal oligodendrogliomatosis mimicking neurosarcoidosis..... **261**

Andrea N. Leep Hunderfund, Rana K. Zabad, Allen J. Aksamit, Jonathan M. Morris, Fredric B. Meyer, William E. Thorell, Joseph E. Parisi, and Caterina Giannini



A rare case of cerebral proliferative angiopathy with bihemispheric morphology **266**

Jolandi Van Heerden, Andrew Cheung, and Constantine Chris Phatouros

Alien hand phenomenon in right anterior cerebral artery infarct..... 270

Vimal Kumar Paliwal, Ravi Uniyal, and Zafar Neyaz

Radiographic evolution of a rapidly reversible leukoencephalopathy due to metronidazole 272

Yoon Andrew Cho-Park, David L. Perez, Tracey A. Milligan, and Park F. Cho

Neurology® is a registered trademark of the American Academy of Neurology (registration valid in the United States). *Neurology*® Clinical Practice (ISSN 2163-0402) is published 6 times per year for the American Academy of Neurology, 201 Chicago Avenue, Minneapolis, MN 55415, by Lippincott Williams & Wilkins, 16522 Hunters Green Parkway, Hagerstown, MD 21740-2116. Business offices are located at Two Commerce Square, 2001 Market St., Philadelphia, PA 19103. Production offices are located at 351 West Camden Street, Baltimore, MD 21201-2436. Periodicals postage paid at Hagerstown, MD and at additional mailing offices. © 2013 American Academy of Neurology.

Annual Subscription Rates: United States: \$329.00 Individual, \$604.00 Institution, \$114.00 In-training. Outside the United States: \$375.00 Individual, \$679.00 Institution, \$114.00 In-training. Single copy rate \$89.00. All prices include a handling charge. Subscriptions outside of North America must add \$13.00 for airfreight delivery. United States residents of AL, CO, DC, FL, GA, HI, IA, ID, IN, KS, KY, LA, MD, MO, ND, NM, NV, PR, RI, SC, SD, UT, VT, WA, WV add state sales tax. The GST tax of 7% must be added to all orders shipped to Canada (Lippincott Williams & Wilkins' GST Identification #895524239, Publications Mail Agreement #1119672). Subscription prices outside the United States must be prepaid. Prices subject to change without notice. Visit us online at www.lww.com.

Individual and in-training subscription rates include print and access to the online version. Institutional online subscriptions can be purchased through Ovid by contacting the publisher. Please contact Lippincott Williams & Wilkins, 16522 Hunters Green Parkway, Hagerstown, MD 21740-2116; phone 800-638-3030 (outside the United States 301-223-2300); fax 301-223-2400.

Address for non-member subscription information, orders, or change of address: Lippincott Williams & Wilkins, P.O. Box 1580, Hagerstown, MD 21741-1580; phone 800-638-3030 (outside the United States 301-223-2300); fax 301-223-2400. In Japan, contact LWW Igaku-Shoin Ltd., 3-23-14 Hongo, Bunkyo-ku, Tokyo 113-0033; phone 81-3-5689-5400; fax 81-3-5689-5402. In Bangladesh, India, Nepal, Sri Lanka, and Pakistan, contact Globe Publications Pvt. B-13 3rd Floor, A Block, Shopping Complex, Naraina Vihar, Ring Road, New Delhi, 110028; phone 91-11-579-3211; fax 91-11-579-8876.

Address for member subscription information, orders, or change of address: *Neurology: Clinical Practice* is a benefit of membership to the American Academy of Neurology. To become a member or provide a change of address, please contact the American Academy of Neurology, 201 Chicago Avenue, Minneapolis, MN 55415 (or call 612-928-6000). For all other membership inquiries, contact Lippincott Williams & Wilkins Customer Service Department, P.O. Box 1580, Hagerstown, MD 21741-1580; phone 800-638-3030 (outside the United States 301-223-2300); fax 301-223-2400; e-mail memberservice@lww.com. Please indicate training status and name of institution. Institutional rates apply to libraries, hospitals, corporations, and partnerships of three or more individuals. Prices are subject to change without notice. Subscriptions will begin with currently available issue unless otherwise requested. Copies will be replaced without charge if the publisher receives a request within 90 days of the mailing date.

Copyright and Permission Information: No portion(s) of the work(s) may be reproduced without written consent from Lippincott Williams & Wilkins. Permission to reproduce copies of articles for noncommercial use may be obtained from the Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923, (978) 750-8400, fax (978) 750-4470, www.copyright.com. For all other use, please go to the Journal website and click the "Request Permissions" link in the Services box for the relevant article. Alternatively send an email to customer-care@copyright.com. Translation Rights & Licensing queries: Please contact, Silvia Serra, Translations Rights, Licensing & Permissions Manager, Wolters Kluwer Health (Medical Research) Ltd, 250 Waterloo Road, London SE1 8RD, UK. Phone +44 (0)207 981 0600; Silvia.Serra@wolterskluwer.com.

Disclaimer: Opinions expressed by the authors and advertisers are not necessarily those of the American Academy of Neurology or of the Publisher. Both the American Academy of Neurology and the Publisher disclaim any liability to any party for the accuracy, completeness, or availability of the material contained herein or for any damages arising out of the use or non-use of any of the material contained herein.

Advertising Sales Representatives: Lippincott Williams & Wilkins, 333 Seventh Avenue, New York, NY 10001. Contacts: Eileen Henry-Hubert, tel: 732-778-2261, fax: 973-215-2485, eileen.henry-hubert@wolterskluwer.com and Valentin Torres, tel: 646-674-6354, cell: 646-628-4530, fax: 917-677-8420, Valentin.Torres@wolterskluwer.com. In Europe: The Point of Difference, Ltd., 4 Chase Side Avenue, London SW20 8LU, UK, tel: 44 20 8542 3200, fax: 44 20 8543 3810, pointofdiff@btinternet.com.

Careers & Events: Matt Westcoat, Lippincott Williams & Wilkins, 351 West Camden Street, Baltimore, MD 21201, tel: 410-528-4212, fax: 410-510-1219, matt.westcoat@wolterskluwer.com.

Reprints: Michele Livewell, Lippincott Williams & Wilkins, Two Commerce Square, 2001 Market Street, Philadelphia, PA 19103, tel: 215-521-8941, Michele.livewell@wolterskluwer.com, reprintsolutions@wolterskluwer.com.

Special Projects: US & Canada: Alan Moore, Lippincott Williams & Wilkins, Two Commerce Square, 2001 Market Street, Philadelphia, PA 19103, tel: 215-521-8638, Alan.Moore@wolterskluwer.com. International: Silvia Serra, Wolters Kluwer Health, 250 Waterloo Road, London SE1 8RD, UK, tel: 44 (0)207 981 0600, Silvia.Serra@wolterskluwer.com.

Postmaster: Send address changes to *Neurology: Clinical Practice*, P.O. Box 1550, Hagerstown, MD 21740.

Neurology® Clinical Practice

3 (3)

Neurol Clin Pract 2013;3;175-274

This information is current as of January 1, 2013

Updated Information & Services	including high resolution figures, can be found at: http://cp.neurology.org/content/3/3.citation.full.html
Permissions & Licensing	Information about reproducing this article in parts (figures,tables) or in its entirety can be found online at: http://cp.neurology.org/misc/about.xhtml#permissions
Reprints	Information about ordering reprints can be found online: http://cp.neurology.org/misc/addir.xhtml#reprintsus

Neurol Clin Pract is an official journal of the American Academy of Neurology. Published continuously since 2011, it is now a bimonthly with 6 issues per year. Copyright . All rights reserved. Print ISSN: 2163-0402. Online ISSN: 2163-0933.

