



Cover image: Brain tree.

Editor

Matthew C Kiernan (Australia)

Deputy Editor

Karen L Furie (USA)

Commissioning Editor

Martin Turner (UK)

Associate Editors

Alan Carson (UK)

Satoshi Kuwabara (Japan)

Nick Ward (UK)

Peter Warnke (USA)

Web Editors

Clare Caldwell

Arun Krishnan

Cindy Lin

Steve Vucic

Editors, Practical Neurology

Geraint Fuller (UK)

Phil Smith (UK)

Editorial Office

Journal of Neurology Neurosurgery & Psychiatry

BMJ Publishing Group Ltd

BMA House

Tavistock Square

London WC1H 9JR, UK

T: +44 (0)20 7383 6909

F: +44 (0)20 7383 6668

E: jnnp@bmj.com

Twitter: @JNNP_BMJ

ISSN: 0022-3050 (print)

ISSN: 1468-330X (online)

Impact factor: 5.58

Disclaimer: *JNNP* is published by BMJ Publishing Group Ltd, a wholly owned subsidiary of the British Medical Association. The BMJ Group grants editorial freedom to the Editor of *JNNP*. *JNNP* follows guidelines on editorial independence produced by the World Association of Medical Editors and the code on good publication practice of the Committee on Publication Ethics.

JNNP is intended for medical professionals and is provided without warranty, express or implied. Statements in the journal are the responsibility of their authors and advertisers and not authors' institutions, the BMJ Publishing Group or the BMA unless otherwise specified or determined by law. Acceptance of advertising does not imply endorsement.

To the fullest extent permitted by law, the BMJ Publishing Group shall not be liable for any loss, injury or damage resulting from the use of *JNNP* or any information in it whether based on contract, tort or otherwise. Readers are advised to verify any information they choose to rely on.

Copyright: © 2015 BMJ Publishing Group. All rights reserved; no part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise without prior permission.

JNNP is published by BMJ Publishing Group Ltd, typeset by Techset, Chennai, India and printed in the UK on acid-free paper from sustainable forests.

Journal of Neurology Neurosurgery & Psychiatry (ISSN No: 0022-3050) is published monthly by BMJ Publishing Group and is distributed in the USA by Air Business Ltd. Periodicals postage paid at Jamaica NY 11431 POSTMASTER: send address changes to *Journal of Neurology Neurosurgery & Psychiatry*, Air Business Ltd, c/o Worldnet Shipping Inc., 156-15, 146th Avenue, 2nd Floor, Jamaica, NY 11434, USA.

Editorial commentaries

359 Temozolomide in low-grade gliomas: living longer and better
J Rees

361 TRPV1, CGRP and SP in scalp arteries of patients suffering from chronic migraine. *Some like it hot!* Chronic migraine increases TRPV1 receptors in the scalp
S D Silberstein

362 Ultrasound: the future for evaluating the PNS in humans?
M E Shy

Impact commentaries

363 Subacute necrotising encephalomyelopathy (Leigh's disease; Leigh syndrome)
P N Leigh, S Al-Sarraj, S DiMauro

Neuro-oncology

366 Seizure reduction in a low-grade glioma: more than a beneficial side effect of temozolomide
J A F Koekkoek, L Dirven, J J Heimans, T J Postma, M J Vos, J C Reijneveld, M J B Taphoorn

374 Herpes simplex encephalitis in glioma patients: a challenging diagnosis
G Berzero, A L Di Stefano, C Dehais, M Sanson, P Gaviani, A Silvani, A Salmaggi, P Vitali, L Diamanti, F Baldanti, L M Farina, M Ceroni, E Marchioni

Neuromuscular

378 Nerve ultrasound depicts peripheral nerve enlargement in patients with genetically distinct Charcot-Marie-Tooth disease
Y-I Noto, K Shiga, Y Tsuji, I Mizuta, Y Higuchi, A Hashiguchi, H Takashima, M Nakagawa, T Mizuno

385 GNE myopathy: current update and future therapy
I Nishino, N Carrillo-Carrasco, Z Argov

Migraine

393 TRPV1, CGRP and SP in scalp arteries of patients suffering from chronic migraine
M D Fiacco, M Quartu, M Boi, M P Serra, T Melis, R Boccaletti, E Shevel, C Cianchetti

Movement disorders

398 Anatomic correlates of deep brain stimulation electrode impedance
D Satzer, E W Maurer, D Lanctin, W Guan, A Abosch

404 Effect of subthalamic nucleus deep brain stimulation on dual-task cognitive and motor performance in isolated dystonia
K A Mills, L C Markun, M S Luciano, R Rizk, I E Allen, C A Racine, P A Starr, J L Alberts, J L Ostrem



MORE CONTENTS ►



EDITOR'S CHOICE

This article has been chosen by the Editor to be of special interest or importance and is freely available online.



PATIENT'S CHOICE

This article has been chosen in conjunction with the BMJ Patient Forum to be of particular interest to patients and is freely available online.



OPEN ACCESS

This article has been made freely available online under the BMJ Journals Open Access scheme. See <http://jnnp.bmj.com/site/about/guidelines.xhtml#open>



The article is part of the Impact Commentaries series



COMMITTEE ON PUBLICATION ETHICS

This journal is a member of and subscribes to the principles of the Committee on Publication Ethics

<http://publicationethics.org/>



When you have finished with this magazine please recycle it.

Multiple sclerosis

- 410** Cervical spinal cord volume loss is related to clinical disability progression in multiple sclerosis

C Lukas, D L Knol, M H Sombekke, B Bellenberg, H K Hahn, V Popescu, K Weier, E W Radue, A Gass, L Kappos, Y Naegelin, B M J Uitdehaag, J J G Geurts, F Barkhof, H Vrenken

- 419** Bidirectional trans-synaptic axonal degeneration in the visual pathway in multiple sclerosis

L J Balk, M D Steenwijk, P Tewarie, M Daams, J Killestein, M P Wattjes, H Vrenken, F Barkhof, C H Polman, B M J Uitdehaag, A Petzold

Neuropsychiatry

- 425** Interobserver agreement and validity of bedside 'positive signs' for functional weakness, sensory and gait disorders in conversion disorder: a pilot study

C Daum, F Gheorghita, M Spatola, V Stojanova, F Medlin, F Vingerhoets, A Berney, M Gholam-Rezaee, G E Maccaferri, M Hubschmid, S Aybek

Neurodegeneration

- 431** A β imaging with 18F-florbetaben in prodromal Alzheimer's disease: a prospective outcome study

K T Ong, V L Villemagne, A Bahar-Fuchs, F Lamb, N Langdon, A M Catafau, A W Stephens, J Seibyl, L M Dinkelborg, C B Reininger, B Putz, B Rohde, C L Masters, C C Rowe

General neurology

- 437** Altered hypothalamic functional connectivity in cluster headache: a longitudinal resting-state functional MRI study

F-C Yang, K-H Chou, J-L Fuh, P-L Lee, J-F Lirng, Y-Y Lin, C-P Lin, S-J Wang

- 446** What to see when you are looking at confusion: a review of the neuroimaging of acute encephalopathy



R Sutter, P W Kaplan

Cerebrovascular disease

- 460** Increased thrombin generation potential in symptomatic versus asymptomatic moderate or severe carotid stenosis and relationship with cerebral microemboli

J A Kinsella, W O Tobin, G F Kavanagh, J S O'Donnell, R T McGrath, S Tierney, T M Feeley, B Egan, D O'Neill, D R Collins, T Coughlan, J A Harbison, C P Doherty, P Madhavan, D J Moore, S M O'Neill, M P Colgan, M Saqqur, R P Murphy, N Moran, G Hamilton, D J H McCabe

PostScript

- 468** Letters

Receive regular table of contents by email.

Register using this QR code.

