



Cover image: Brain tree.

Editor

Matthew C Kiernan (Australia)

Deputy Editors

Karen L Furie (USA)
Satoshi Kuwabara (Japan)
Lawrence Wong (China)

Associate Editors

Alan Carson (UK)
Nick Ward (UK)
Peter Warnke (USA)

Commissioning Editor

Martin Turner (UK)

Web Editors

Clare Caldwell
Arun Krishnan
Cindy Lin
Steve Vucic

Podcast Editor

Elizabeth Highton-Williamson

JNNP Blog Editors

Jose Manuel Matamala
Thanuja Dharmadasa

JNNP Facebook Editors

Cindy Lin
William Huynh

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
E: jnnp@bmj.com
Twitter: @JNNP_BMJ
ISSN: 0022-3050 (print)
ISSN: 1468-330X (online)
Impact factor: 8.272

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: © 2019 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 Exeter Premedia Services Private Ltd, 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

963 Defining chronic inflammatory demyelinating polyradiculoneuropathy subtypes
R A C Hughes

964 Selective neuronal loss progression in chronic carotid or middle cerebral artery obstruction is accentuated by lower follow-up systolic blood pressure
J-C Baron

Cognitive neurology

965 Hippocampal network abnormalities explain amnesia after VGKC-Ab related autoimmune limbic encephalitis
C Loane, G P D Argyropoulos, A Roca-Fernández, C Lage, F Sheerin, S Ahmed, G Zamboni, C Mackay, S R Irani, C R Butler

Cerebrovascular disease

975 Selective neuronal damage and blood pressure in atherosclerotic major cerebral artery disease
H Yamauchi, S Kagawa, M Takahashi, K Kusano, C Okuyama

Neuromuscular

981 Chronic inflammatory demyelinating polyneuropathy: update on diagnosis, immunopathogenesis and treatment
H C Lehmann, D Burke, S Kuwabara

988 Clinicopathological characteristics of subtypes of chronic inflammatory demyelinating polyradiculoneuropathy
S Ikeda, H Koike, R Nishi, Y Kawagashira, M Iijima, M Katsuno, G Sobue

Neurodegeneration

997 Clinical value of cerebrospinal fluid neurofilament light chain in semantic dementia
L H H Meeter, R M E Steketeer, D Salkovic, M E Vos, M Grossman, C T McMillan, D J Irwin, A L Boxer, J C Rojas, N T Olney, A Karydas, B L Miller, Y A L Pijnenburg, F Barkhof, R Sánchez-Valle, A Lladó, S Borrego-Ecija, J Diehl-Schmid, T Grimmer, O Goldhardt, A F Santillo, O Hansson, S Vestberg, B Borroni, A Padovani, D Galimberti, E Scarpini, J D Rohrer, I O C Woollacott, M Synofzik, C Wille, A de Mendonca, R Vandenberghe, L Benussi, R Ghidoni, G Binetti, W J Niessen, J M Papma, H Seelaar, L C Jiskoot, F J de Jong, L Donker Kaat, M Del Campo, C E Teunissen, E E Bron, E Van den Berg, J C Van Swieten

1005 Gyrification abnormalities in presymptomatic *c9orf72* expansion carriers
E Caverzasi, G Battistella, S A Chu, H Rosen, T P Zanto, A Karydas, W Shwe, G Coppola, D H Geschwind, R Rademakers, B L Miller, M L Gorno-Tempini, S E Lee

1011 Measuring network disruption in neurodegenerative diseases: New approaches using signal analysis
R McMackin, M Muthuraman, S Groppa, C Babiloni, J-P Taylor, M C Kiernan, B Nasserolelami, O Hardiman

MORE CONTENTS ►



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



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



This article has been made freely available online under the BMJ Journals open access scheme. See <http://authors.bmj.com/open-access/>



The article is part of the Impact Commentaries series



Member since 2008 JM00010

This journal is a member of and subscribes to the principles of the Committee on Publication Ethics <http://publicationethics.org/>



The online version of this article contains multiple choice questions hosted on BMJ Learning.

Neuro-inflammation

- 1021** Aquaporin-4 and myelin oligodendrocyte glycoprotein antibodies in immune-mediated optic neuritis at long-term follow-up
A Petzold, M Woodhall, Z Khaleeli, W O Tobin, S J Pittock, B G Weinshenker, A Vincent, P Waters, G T Plant

- 1027** CLIPPERS and its mimics: evaluation of new criteria for the diagnosis of CLIPPERS
G Taieb, P Mulero, D Psimaras, B W van Oosten, J D Seebach, R Marignier, F Pico, V Rigau, Y Ueno, C Duflos, V Fominykh, V Guiraud, C Lebrun-Frény, J-P Camdessanché, P Kerschen, G Ahle, N Téllez, A Rovira, K Hoang-Xuan, J Pelletier, P Labauge, in cooperation with the French CLIPPERS group

Epilepsy

- 1039** First seizure presentations in adults: beyond assessment and treatment
E Foster, P Carney, D Liew, Z Ademi, T O'Brien, P Kwan

Movement disorders

- 1046** Shorter pulse width reduces gait disturbances following deep brain stimulation for essential tremor
D Kroneberg, S Ewert, A-C Meyer, A A Kühn

Multiple sclerosis

- 1051** Mindfulness-based interventions for mental well-being among people with multiple sclerosis: a systematic review and meta-analysis of randomised controlled trials
R Simpson, S Simpson, N Ramparsad, M Lawrence, J Booth, S W Mercer

- 1059** Cerebrospinal fluid neurofilament light chain in multiple sclerosis and its subtypes: a meta-analysis of case-control studies
S-J Martin, S McClasson, D Hunt, J Overell

PostScript

- 1068** Letters