



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

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: 6.431

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: © 2016 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 Nova Techset Private Limited, Bengaluru & 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.

Contents

Volume 87 Issue 12 | JNNP December 2016

Editorial commentaries

- 1275** Clinical tool for predicting survival in ALS: do we need one?
K Talbot

- 1276** Salt intake in multiple sclerosis: friend or foe?
M F Farez

Cerebrovascular disease

- 1277** Unruptured intracranial aneurysm follow-up and treatment after morphological change is safe: observational study and systematic review
R Gondar, O P Gautschi, J Cuony, F Perren, M Jägersberg, M-V Corniola, B Schatlo, G Molliqaj, S Morel, Z Kulcsár, V M Pereira, D Rüfenacht, K Schaller, P Bijlenga

- 1283** The contribution of lesion location to upper limb deficit after stroke
C-h Park, N Kou, N S Ward

- 1287** Diagnostic criteria for Susac syndrome
I Kleffner, J Dörr, M Ringelstein, C C Gross, Y Böckenfeld, W Schwindt, B Sundermann, H Lohmann, H Wersching, J Promesberger, N von Königsmarck, A Alex, R Guthoff, C J M Frijns, L J Kappelle, S Jarius, B Wildemann, O Aktas, F Paul, H Wiendl, T Dünig, for the European Susac Consortium (EuSaC)

- 1296** Cognitive reserve moderates long-term cognitive and functional outcome in cerebral small vessel disease
H Jokinen, S Melkas, S Madureira, A Verdelho, J M Ferro, F Fazekas, R Schmidt, P Scheltens, F Barkhof, J M Wardlaw, D Inzitari, L Pantoni, T Erkinjuntti

Cognitive neurology

- 1303** Defining and validating a short form Montreal Cognitive Assessment (s-MoCA) for use in neurodegenerative disease
D R Roalf, T M Moore, D A Wolke, S E Arnold, D Mechanic-Hamilton, J Rick, S Kabadi, K Ruparel, A S Chen-Plotkin, L M Chahine, N A Dahodwala, J E Duda, D A Weintraub, P J Moberg

- 1311** 'Under pressure': is there a link between orthostatic hypotension and cognitive impairment in α -synucleinopathies?
S J Udow, A D Robertson, B J MacIntosh, A J Espay, J B Rowe, A E Lang, M Masellis

Epilepsy

- 1322** Trends in epilepsy surgery: stable surgical numbers despite increasing presurgical volumes
T Cloppenborg, T W May, I Blümcke, P Grewe, L J Hopf, T Kalbhenn, M Pfäfflin, T Polster, R Schulz, F G Woermann, C G Bien

General neurology

- 1330** Early blood pressure lowering in patients with intracerebral haemorrhage and prior use of antithrombotic agents: pooled analysis of the INTERACT studies
L Song, E C Sandset, H Arima, E Heeley, C Delcourt, G Chen, J Yang, G Wu, X Wang, P M Lavados, Y Huang, C Stapf, J Wang, T G Robinson, J Chalmers, R I Lindley, C S Anderson, for the INTERACT2 Investigators

- 1336** Metabolic syndrome is related to polyneuropathy and impaired peripheral nerve function: a prospective population-based cohort study
R Hanewinkel, J Drenthen, S Ligthart, A Dehghan, O H Franco, A Hofman, M A Ikram, P A van Doorn

Multiple sclerosis

- 1343** Higher latitude is significantly associated with an earlier age of disease onset in multiple sclerosis
C Tao, S Simpson Jr, I van der Mei, L Blizzard, E Havrdova, D Horakova, V Shaygannejad, A Lugaresi, G Izquierdo, M Trojano, P Duquette, M Girard, F Grand'Maison, P Grammond, R Alroughani, M Terzi, C Oreja-Guevara, S A Sajedi, G Iuliano, P Sola, J Lechner-Scott, V V Pesch, E Pucci, R Bergamaschi, M Barnett, C Ramo, B Singhal, D L A Spitaleri, M Slee, F Verheul, R Fernández Bolaños, M P Amato, E Cristiano, F Granella, S Hodgkinson, M Fiol, O Gray, P McCombe, M L Saladino, J L Sánchez Menoyo, N Shuey, S Vucic, C Shaw, N Deri, W O Arruda, H Butzkueven, T Spelman, B V Taylor, on behalf of the MSBase Study Group

[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://jnnp.bmj.com/site/about/guidelines.xhtml#open>



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/>



- 1350** Dietary salt intake and time to relapse in paediatric multiple sclerosis

B Nourbakhsh, J Graves, T C Casper, S Lulu, A Waldman, A Belman, B Greenberg, B Weinstock-Guttman, G Aaen, J-M Tillema, J Hart, J Ness, J Rubin, L Krupp, M Gorman, L Benson, M Rodriguez, T Chitnis, J Rose, L Barcellos, E Waubant, for the Network of Pediatric Multiple Sclerosis Centers

Neurodegeneration

- 1354** Widespread structural brain involvement in ALS is not limited to the C9orf72 repeat expansion



H-J Westeneng, R Walhout, M Straathof, R Schmidt, J Hendrikse, J H Veldink, M P van den Heuvel, L H van den Berg

- 1361** A clinical tool for predicting survival in ALS



J A Knibb, N Keren, A Kulka, P N Leigh, S Martin, C E Shaw, M Tsuda, A Al-Chalabi



- 1368** Acetylcholinesterase inhibitors are associated with weight loss in older people with dementia: a systematic review and meta-analysis

P Soysal, A T Isik, B Stubbs, M Solmi, M Volpe, C Luchini, G D'Onofrio, A Pilotto, E Manzato, G Sergi, P Schofield, N Veronese

Neuropsychiatry

- 1375** Depressive symptoms influence global cognitive impairment indirectly by reducing memory and executive function in patients with mild cognitive impairment

C Yatawara, L Lim, R Chander, J Zhou, N Kandiah

Neurological picture

- 1384** Approaches to genetic diagnosis in neuromuscular conditions in the era of next generation sequencing

MCQs

H L Teoh, H Sampaio, T Roscioli, M Farrar

PostScript

- 1386** Letters

Erratum

- 1392** Erratum

Electronic page

- e1** ABN Abstracts 2016