



Editorial commentaries

571 Blood biomarkers may distinguish among dementia disorders

L Parnetti, F Paolini Paoletti, L Gaetani

572 Microstructural changes in the normal appearance cerebral cortex of multiple sclerosis detected by an advanced diffusion MRI technique

A Sugiyama, S Kuwabara

Cognitive neurology

573 Results of the COMPARE trial of Constraint-induced or Multimodality Aphasia Therapy compared with usual care in chronic post-stroke aphasia

M L Rose, L Nickels, D Copland, L Togher, E Godecke, M Meinzer, T Rai, D A Cadilhac, J Kim, M Hurley, A Foster, M Carragher, C Wilcox, J E Pierce, G Steel

Cerebrovascular disease

582 Amantadine treatment is associated with improved consciousness in patients with non-traumatic brain injury

L Rühl, J B Kuramatsu, J A Sembill, B Kallmünzer, D Madzar, S T Gerner, A Giede-Jeppe, S Balk, T Mueller, J Jäger, S Schwab, H B Huttner, M I Sprügel

588 Aetiology, secondary prevention strategies and outcomes of ischaemic stroke despite oral anticoagulant therapy in patients with atrial fibrillation

A A Polymeris, T R Meinel, H Oehler, K Hölscher, A Zietz, J F Scheitz, C H Nolte, C Stretz, S Yaghi, S Stoll, R Wang, K G Häusler, S Hellwig, M G Klammer, S Litmeier, C R Leon Guerrero, I Moeini-Naghani, P Michel, D Strambo, A Salerno, G Bianco, C Cereda, T Uphaus, K Gröschel, M Katan, S Wegener, N Peters, S T Engelter, P A Lyrer, L H Bonati, L Grunder, P A Ringleb, U Fischer, B Kallmünzer, J C Purucker, D J Seiffge

Epilepsy

599 Temporal lobe epilepsy lateralisation and surgical outcome prediction using diffusion imaging

G W Johnson, L Y Cai, S Narasimhan, H F J González, K E Wills, V L Morgan, D J Englot

Movement disorders

609 Functional movement disorder gender, age and phenotype study: a systematic review and individual patient meta-analysis of 4905 cases

S C Lidstone, M Costa-Parke, E J Robinson, T Ercoli, J Stone, FMD GAP Study Group

617 A composite clinical motor score as a comprehensive and sensitive outcome measure for Parkinson's disease

C Lo, S Arora, M Lawton, T Barber, T Quinnell, G J Dennis, Y Ben-Shlomo, M T-M Hu

625 Functional tremor developing after successful MRI-guided focused ultrasound thalamotomy for essential tremor

S Alshimeri, D Vargas-Méndez, R Chen, N Lipsman, M L Schwartz, A M Lozano, A Fasano

Multiple sclerosis

628 In vivo detection of damage in multiple sclerosis cortex and cortical lesions using NODDI

P Preziosa, E Pagani, R Bonacchi, L Cacciaguerra, A Falini, M A Rocca, M Filippi

MORE CONTENTS ►

Editor

Karen Furie (USA)

Deputy Editors

Satoshi Kuwabara (Japan)
Nick Ward (UK)

Associate Editors

Aisling Carr (UK)
Alan Carson (UK)
Liz Coulthard (UK)
Sofia Eriksson (UK)
Ritsuko Hanajima (Japan)
Bruce V Taylor (Australia)
Peter Warnke (USA)

Commissioning Editor

William Powers (USA)

Web Editors

Clare Caldwell
Arun Krishnan
Cindy Lin
Steve Vucic

Podcast Editor

Colin Mahoney

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: 10.283

Disclaimer: The Editor of JNNP has been granted editorial freedom and JNNP is published in accordance with editorial guidelines issued by the World Association of Medical Editors and the Committee on Publication Ethics. JNNP is primarily intended for healthcare professionals and its content is for information only. The Journal is published without any guarantee as to its accuracy or completeness and any representations or warranties are expressly excluded to the fullest extent permitted by law. Readers are advised to independently verify any information on which they choose to rely. Acceptance of advertising by JNNP does not imply endorsement. BMJ Publishing Group Limited shall not be liable for any loss, injury or damage howsoever arising from JNNP (except for liability which cannot be legally excluded).

Copyright: © 2022 BMJ Publishing Group Ltd. All rights reserved; no part of this publication may be reproduced in any form without 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 0022-3050 (USPS 2156) is published monthly by BMJ Publishing Group Ltd, BMA House, Tavistock Square, WC1H 9JR London. Airfreight and mailing in the USA by agent named World Container Inc, 150-15, 183rd Street, Jamaica, NY 11413, USA. Periodicals postage paid at Brooklyn, NY 11256.

US Postmaster: Send address changes to Journal of Neurology Neurosurgery & Psychiatry, World Container Inc, 150-15, 183rd Street, Jamaica, NY 11413, USA. Subscription records are maintained at BMA House, Tavistock Square, WC1H 9JR London Air Business Ltd is acting as our mailing agent



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://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/>



When you have finished with this magazine please recycle it.



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

- 637** Phase II study of ketogenic diets in relapsing multiple sclerosis: safety, tolerability and potential clinical benefits

J N Brenton, D Lehner-Gulotta, E Woolbright, B Banwell, A G C Bergqvist, S Chen, R Coleman, M Conaway, M D Goldman

- 645** Association of adverse childhood experiences with the development of multiple sclerosis



K Eid, Ø Torkildsen, J Aarseth, M Aalstad, A Bhan, E G Celius, M Cortese, A K Daltveit, T Holmøy, K-M Myhr, T Riise, S Schüler, C F Torkildsen, S Wergeland, N E Gilhus, M-H Bjørk

Neurodegeneration

- 651** Differential levels of plasma biomarkers of neurodegeneration in Lewy body dementia, Alzheimer's disease, frontotemporal dementia and progressive supranuclear palsy



L Chouliaras, A Thomas, M Malpetti, P Donaghy, J Kane, E Mak, G Savulich, M A Prats-Sedano, A J Heslegrave, H Zetterberg, L Su, J B Rowe, J T O'Brien

- 659** Serum GFAP differentiates Alzheimer's disease from frontotemporal dementia and predicts MCI-to-dementia conversion

P Oeckel, S Anderl-Straub, C A F Von Arnim, I Baldeiras, J Diehl-Schmid, T Grimmer, S Halbgebauer, A M Kort, M Lima, T M Marques, M Ortner, I Santana, P Steinacker, M M Verbeek, A E Volk, A C Ludolph, M Otto

Neuromuscular

- 668** Novel approaches to diagnosis and management of hereditary transthyretin amyloidosis



A Carroll, P J Dyck, M de Carvalho, M Kennerson, M M Reilly, M C Kiernan, S Vucic

PostScript

- 679** Letters



Electronic page

- e1** ABN Annual Meeting Abstracts 2020–2021