

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
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: 8.263

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: © 2021 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.

Editorial commentaries

457 It is safe to switch therapy from interferon beta or glatiramer acetate to oral therapy in patients with relapsing multiple sclerosis with stable disease
N Koch-Henriksen

458 Plasma microRNA signature as biomarker for disease progression in frontotemporal dementia and amyotrophic lateral sclerosis
R Dewan, B J Traynor

459 Fashion focus: neurosurgery for tremor
L Zrinzo

Cognition

460 Cognitive reserve in amyotrophic lateral sclerosis (ALS): a population-based longitudinal study
E Costello, J Rooney, M Pinto-Grau, T Burke, M Elamin, P Bede, R McMackin, S Dukic, A Vajda, M Heverin, O Hardiman, N Pender

Migraine

466 Effect of erenumab on functional outcomes in patients with episodic migraine in whom 2–4 preventives were not useful: results from the LIBERTY study
M Lanteri-Minet, P J Goadsby, U Reuter, S Wen, P Hours-Zesiger, M D Ferrari, J Klatt

Neuromuscular

473 Chronic inflammatory demyelinating polyneuropathy and pregnancy: systematic review
F Kohle, S Kuwabara, H C Lehmann

Neurogenetics

479 Effect of familial clustering in the genetic screening of 235 French ALS families
P Corcia, W Camu, C Brulard, S Marouillat, P Couratier, J-P Camdessanché, P Cintas, A Verschuere, M-H Soriani, C Desnuelle, M-C Fleury, N Guy, J Cassereau, F Viader, S Pittion-Vouyovitch, V Danel, I Kolev, G Le Masson, S Beltran, F Salachas, E Bernard, P-F Pradat, H Blasco, D Lanznaster, R Hergesheimer, F Laumonnier, C R Andres, V Meininger, P Vourc'h

Neurodegeneration

485 Plasma microRNA signature in presymptomatic and symptomatic subjects with *C9orf72*-associated frontotemporal dementia and amyotrophic lateral sclerosis
V Kmetzsch, V Anquetil, D Saracino, D Rinaldi, A Camuzat, T Gareau, L Jornea, S Forlani, P Couratier, D Wallon, F Pasquier, N Robil, P de la Grange, I Moszer, I Le Ber, O Colliot, E Becker, The PREV-DEMALS study group

494 Modelling the cascade of biomarker changes in *GRN*-related frontotemporal dementia
J L Panman, V Venkatraghavan, E L van der Ende, R M E Steketee, L C Jiskoot, J M Poos, E G P Dopfer, L H H Meeter, L Donker Kaat, S A R B Rombouts, M W Vernooij, A J A Kievit, E Premi, M Cosseddu, E Bonomi, J Olives, J D Rohrer, R Sánchez-Valle, B Borroni, E E Bron, J C Van Swieten, J M Papma, S Klein, GENFI consortium investigators

502 Unravelling the clinical spectrum and the role of repeat length in *C9ORF72* repeat expansions
E L van der Ende, J L Jackson, A White, H Seelaar, M van Blitterswijk, J C Van Swieten

510 Value of systematic genetic screening of patients with amyotrophic lateral sclerosis
S R Shephard, M D Parker, J Cooper-Knock, N S Verber, L Tuddenham, P Heath, N Beauchamp, E Place, E S A Sollars, M R Turner, A Malaspina, P Fratta, C H Hewamadduma, T M Jenkins, C J McDermott, D Wang, J Kirby, P J Shaw, on behalf of the Project MINE Consortium

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/>




When you have finished with this magazine please recycle it.




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


Neuropsychiatry

519 Psychotropic and pain medication use in individuals with traumatic brain injury—a Swedish total population cohort study of 240 000 persons
 OPEN ACCESS
Y Molero, D J Sharp, B M D'Onofrio, H Larsson, S Fazel


528 Executive dysfunction and risk of suicide in older adults: a population-based prospective cohort study
D J Oh, J W Han, J B Bae, T H Kim, K P Kwak, B J Kim, S G Kim, J L Kim, S W Moon, J H Park, S-H Ryu, J C Youn, D Y Lee, D W Lee, S B Lee, J J Lee, J H Jhoo, K W Kim

Cerebrovascular disease

534 Recanalisation therapies for acute ischaemic stroke in patients on direct oral anticoagulants
 OPEN ACCESS
D J Seiffge, T Meinel, J C Purrucker, J Kaesmacher, U Fischer, D Wilson, T Y Wu

542 Prevalence, predictors and prognosis of incidental intracranial aneurysms in patients with suspected TIA and minor stroke: a population-based study and systematic review
 OPEN ACCESS
R Hurford, I Taveira, W Kukeer, P M Rothwell, On behalf of the Oxford Vascular Study Phenotyped Cohort

Movement disorders

549 Adoption of focused ultrasound thalamotomy for essential tremor: why so much fuss about FUS?
 EDITOR'S CHOICE
C Iorio-Morin, M Hodaie, A M Lozano

Multiple sclerosis

556 Effect of lateral therapy switches to oral moderate-efficacy drugs in multiple sclerosis: a nationwide cohort study
M D Buron, T Kalincik, F Sellebjerg, P S Sørensen, M Magyari

PostScript

563 Letters
 OPEN ACCESS

Electronic page

e2 Correction: *Brain iron deposition is linked with cognitive severity in Parkinson's disease*