



**Editor**  
Karen Furie (USA)  
**Deputy Editor**  
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)

**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](mailto:jnnp@bmj.com)  
Twitter: @JNNP\_BMJ  
ISSN: 0022-3050 (print)  
ISSN: 1468-330X (online)  
**Impact factor: 13.654**

**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.

## Editorial commentary

**913** Go, COMPARE!  
*A P Leff, J Crinion*

## Occasional essay

**915** Skin biopsy and small fibre neuropathies: facts and thoughts 30 years later  
*G Lauria, C G Faber, D R Cornblath*

## Neurodegeneration

**919** Neuropathology and emerging biomarkers in corticobasal syndrome  
*S Koga, K A Josephs, I Aiba, M Yoshida, D W Dickson*

**930** LDL cholesterol is associated with higher AD neuropathology burden independent of APOE  
*A P Wingo, S M Vattathil, J Liu, W Fan, D J Cutler, A I Levey, J A Schneider, D A Bennett, T S Wingo*

## Cerebrovascular disease

**939** Antithrombotic dilemmas in stroke medicine: new data, unsolved challenges  
*J G Best, B Cardus, C J M Klijn, G Lip, D J Seiffge, E E Smith, D J Werring*

## Movement disorders

**952** Genetics of validated Parkinson's disease subtypes in the Oxford Discovery and Tracking Parkinson's cohorts  
*M Lawton, M MX Tan, Y Ben-Shlomo, F Baig, T Barber, J C Klein, S G Evetts, S Millin, N Malek, K Grosset, R A Barker, N Williams, D J Burn, T Foltynie, H R Morris, N Wood, D G Grosset, M T-M Hu*

## Multiple sclerosis

**960** SARS-CoV-2 mRNA vaccinations fail to elicit humoral and cellular immune responses in patients with multiple sclerosis receiving fingolimod  
*L Meyer-Arndt, J Braun, F Fauchere, K Vanshylla, L Loyal, L Henze, B Kruse, M Dingeldey, K Jürchott, M Mangold, A Maraj, A Braginets, C Bötcher, A Nitsche, K de la Rosa, C Ratswohl, B Sawitzki, P Holenya, U Reimer, L E Sander, F Klein, F Paul, J Bellmann-Strobl, A Thiel, C Giesecke-Thiel*

**972** Plasma neurofilament light chain levels suggest neuroaxonal stability following therapeutic remyelination in people with multiple sclerosis  
*A Abdelhak, C Cordano, W J Boscardin, E Caverzasi, J Kuhle, B Chan, J M Gelfand, H H Yiu, F C Oertel, A Beaudry-Richard, S Condor Montes, J R Oksenberg, A Lario Lago, A Boxer, J C Rojas-Martinez, F M Elahi, J R Chan, A J Green*

**978** Immune response to SARS-CoV-2 vaccination in relation to peripheral immune cell profiles among patients with multiple sclerosis receiving ocrelizumab  
*S Räuber, M Korsen, N Huntemann, L Rolfes, T Müntefering, V Dobelmann, A M Hermann, T Kölsche, K von Wnuck Lipinski, C B Schroeter, C Nelke, L Regner-Nelke, J Ingwersen, M Pawlitzki, B Teegen, M H Barnett, H-P Hartung, O Aktas, P Albrecht, B Levkau, N Melzer, T Ruck, S G Meuth, D Kremer*

**986** Multiple sclerosis disease-modifying therapies and COVID-19 vaccines: a practical review and meta-analysis  
*M Etemadifar, H Nouri, M Pitzalis, M L Idda, M Salari, M Baratian, S Mahdavi, A P Abhari, N Sedaghat*

**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.

## Neuromuscular

- 995** Clinical value of cell-based assays in the characterisation of seronegative myasthenia gravis  
*V Damato, G Spagni, G Monte, M Woodhall, L Jacobson, S Falso, T Smith, R Iorio, P Waters, S R Irani, A Vincent, A Evoli*

## Neuropsychiatry

- 1001** Dementia Early-Stage Cognitive Aids New Trial (DESCANT) of memory aids and guidance for people with dementia: randomised controlled trial  
*P Clarkson, R Pitts, S Islam, J Peconi, I Russell, G Fegan, R Beresford, C Entwistle, V Gillan, M Orrell, D Challis, H Chester, J Hughes, N Kapur, B Roe, B Malik, C Robinson*



## Sleep disorders

- 1010** Prevalence and correlates of REM sleep behaviour disorder in patients with major depressive disorder: a two-phase study  
*J Wang, S W H Chau, S P Lam, Y Liu, J Zhang, N Y Chan, M M S Cheung, M W M Yu, J C T Tsang, J W Y Chan, B Huang, S X Li, V Moke, Y K Wing*

## PostScript

- 1019** Letters



## Electronic page

- e2** Abstracts: ABN Abstracts 2022