



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: 8.234

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: © 2020 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 WN Shipping USA, 156-15, 146th Avenue, 2nd Floor, Jamaica, NY 11434, USA. Periodicals postage paid at Brooklyn, NY 11256. US Postmaster: Send address changes to *Journal of Neurology Neurosurgery & Psychiatry*, WN Shipping USA, 156-15, 146th Avenue, 2nd Floor, Jamaica, NY 11434, USA. Subscription records are maintained at BMA House, Tavistock Square, WC1H 9JR London. Air Business Ltd is acting as our mailing agent.

Contents

Volume 91 Issue 11 | JNNP November 2020

2020 Vision

- 1129** Standing on the shoulders of giants: 100 years of neurology and epidemic infections
H Van Den Tooren, M A Ellul, N WS Davies, A Easton, A Vincent, T Solomon, B D Michael, On behalf of the CoroNerve Studies Group

2020 Hindsight

- 1132** Humans: the ultimate animal models
M M Reilly, A M Rossor

Editorial commentaries

- 1137** Marked abnormalities of plasma protein biomarkers in Creutzfeldt-Jakob disease (CJD)
S Mead

- 1138** Consideration of *C9orf72*-associated ALS-FTD as a neurodevelopmental disorder: insights from neuroimaging
P Bede, W F Siah, M C McKenna, S Li Hi Shing

- 1139** Treating adults with spinal muscular atrophy with nusinersen
M A Farrar, M C Kiernan

- 1140** Prevention of Alzheimer's disease and dementia: the evidence is out there, but new high-quality studies and implementation are needed
G Logroscino

- 1142** Chronic polyradiculoneuropathies responsive to immunotherapy do not necessarily show electrophysiological or nerve biopsy evidence of demyelination
J Pollard

- 1143** Split-hand sign: clinical feature of spinal bulbar muscular atrophy?
S Vucic

Epilepsy

- 1145** Epileptic seizures of suspected autoimmune origin: a multicentre retrospective study
S Bozzetti, F Rossini, S Ferrari, R Delogu, G Cantalupo, F Marchioretto, G Zanette, T Zanoni, M Turatti, G Vitale, M Cadaldini, F Rossi, L Di Tizio, C Zuco, G T Maniscalco, F Soldani, S Monaco, E Trinka, R Hoeffberger, S Mariotto

- 1154** Early brain biomarkers of post-traumatic seizures: initial report of the multicentre epilepsy bioinformatics study for antiepileptogenic therapy (EpiBioS4Rx) prospective study
E S Lutkenhoff, V Shrestha, J Ruiz Tejada, C Real, D L McArthur, D Duncan, M La Rocca, R Garner, A W Toga, P M Vespa, M M Monti, for the EpiBioS4Rx Study Group

Neuroinfection

- 1158** MM2-type sporadic Creutzfeldt-Jakob disease: new diagnostic criteria for MM2-cortical type
T Hamaguchi, N Sanjo, R Ae, Y Nakamura, K Sakai, M Takao, S Murayama, Y Iwasaki, K Satoh, H Murai, M Harada, T Tsukamoto, H Mizusawa, M Yamada

Neuromuscular

- 1166** Nusinersen safety and effects on motor function in adult spinal muscular atrophy type 2 and 3
L Maggi, L Bello, S Bonanno, A Govoni, C Caponnetto, L Passamano, M Grandis, F Trojsi, F Cerri, M Ferraro, V Bozzoni, L Caumo, R Piras, R Tanel, E Saccani, M Meneri, V Vacchiano, G Ricci, G Soraru, E D'Errico, I Tramacere, S Bortolani, G Pavesi, R Zanin, M Silvestrini, L Politano, A Schenone, S C Previtali, A Berardinelli, M Turri, L Verriello, M Coccia, R Mantegazza, R Liguori, M Filosto, G Marrosu, G Siciliano, I L Simone, T Mongini, G Coni, E Pegoraro

- 1175** Chronic inflammatory axonal polyneuropathy
S J Oh, L Lu, M Alsharabati, M B Morgan, P King

[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.

Neurodegeneration

- 1181** Comparison between plasma and cerebrospinal fluid biomarkers for the early diagnosis and association with survival in prion disease
S Abu-Rumeileh, S Baiardi, A Ladogana, C Zenesini, A Bartoletti-Stella, A Poleggi, A Mammanna, B Polischi, M Pocchiari, S Capellari, P Parchi

- 1189** Split hand and motor axonal hyperexcitability in spinal and bulbar muscular atrophy
K Shibuya, S Misawa, A Uzawa, S Sawai, A Tsuneyama, Y-I Suzuki, T Suichi, Y Kojima, K Nakamura, H Kano, M Prado, S Kuwabara

Cognitive neurology

- 1195** Deficits in verbal fluency in presymptomatic *C9orf72* mutation gene carriers—a developmental disorder
D E Lulé, H-P Müller, J Finsel, P Weydt, A Knehr, I Winroth, P Andersen, J Weishaupt, I Utner, J Kassubeke, A C Ludolph

- 1201** Evidence-based prevention of Alzheimer's disease: systematic review and meta-analysis of 243 observational prospective studies and 153 randomised controlled trials
J-T Yu, W Xu, C-C Tan, S Andrieu, J Suckling, E Evangelou, A Pan, C Zhang, J Jia, L Feng, E-H Kua, Y-J Wang, H-F Wang, M-S Tan, J-Q Li, X-H Hou, Y Wan, L Tan, V Mok, L Tan, Q Dong, J Touchon, S Gauthier, P S Aisen, B Vellas

Neurosurgery

- 1210** Data-driven evolution of neurosurgical gene therapy delivery in Parkinson's disease
R M Richardson, K S Bankiewicz, C W Christine, A D Van Laar, R E Gross, R Lonser, S A Factor, S K Kostyk, A P Kells, B Ravina, P S Larson

Neuro-inflammation

- 1219** Peripheral immunophenotype in dementia with Lewy bodies and Alzheimer's disease: an observational clinical study
J Amin, D Boche, Z Clough, J Teeling, A Williams, Y Gao, L Chudley, L Lau, F Smith, S Harris, C Holmes

Neurological picture

- 1227** Clinicoradiological dissociation in sarcoid myelopathy
R Dhanapalaratnam, W Huynh

PostScript

- 1229** Letters