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 (LIK)

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 J/NNP 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, 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 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 8 | JNNP August 2020

2020 Vision

791 A 2020 centenary perspective on

neuromuscular disorders

OPEN ACCESS SA Goutman, BC Callaghan, EFeldman

Subacute sensory neuronopathy and cancer: the identification of paraneoplastic syndromes M C Kiernan, D R Cornblath

2020 Hindsight

Parkinson's disease: etiopathogenesis and treatment



J Jankovic, E K Tan

Editorial commentaries

809 Tremor: so common, so difficult M C Sepúlveda Soto, A Fasano

Defining causality in COVID-19 and neurological disorders OPEN ACCESS

M Ellul, A Varatharaj, T R Nicholson, T A Pollak, N Thomas, A Easton, M S Zandi, H Manji, T Solomon, A Carson, M R Turner, R Kneen, I Galea, S Pett, R H Thomas, B D Michael, CoroNerve Steering Committee

813 Prognostic value of weight loss in patients with amyotrophic lateral sclerosis F J Steyn, S T Ngo

Movement disorders

814 Effects of *TPH2* gene variation and childhood 6 trauma on the clinical and circuit-level

phenotype of functional movement disorders

P A Spagnolo, G Norato, C W Maurer, D Goldman, C Hodgkinson, S Horovitz, M Hallett

Systematic clinical approach for diagnosing 6 upper limb tremor



OPEN ACCESS I v de Wardt, A M M van der Stouwe, M Dirkx, J W J Elting, B Post, M AJ Tijssen, R C Helmich

Cerebrovascular disease

831 Late functional improvement and 5-year poststroke outcomes: a population-based

cohort study

A Ganesh, R Luengo-Fernandez, P M Rothwell

840 Longer term stroke risk in intracerebral haemorrhage survivors

G Banerjee, D Wilson, G Ambler, I C Hostettler, C Shakeshaft, H Cohen, T Yousry, R Al-Shahi Salman, G Y H Lip, H Houlden, K W Muir, M M Brown, H R Jäger, D J Werring, on behalf of the CROMIS-2 collaborators

846 Status of SARS-CoV-2 in cerebrospinal fluid of patients with COVID-19 and stroke

F Al Saiegh, R Ghosh, A Leibold, M B Avery, R F Schmidt, T Theofanis, N Mouchtouris, L Philipp, S C Peiper, Z-X Wang, F Rincon, S I Tjoumakaris, P Jabbour, R H Rosenwasser, M R Gooch

Neurodegeneration

- 849 Great expectations: virus-mediated gene therapy in neurological disorders D Kariyawasam, I E Alexander, M Kurian, M A Farrar
- Regional hyperperfusion in cognitively normal APOE ε4 allele carriers in midlife: analysis of ASL pilot data from the PREVENT-Dementia cohort

E F McKiernan, E Mak, M-E Dounavi, K Wells, C Ritchie, G Williams, L Su, J O'Brien

Neuromuscular

867 Prognostic value of weight loss in patients with amyotrophic lateral sclerosis: a population-based study

> M R lanse van Mantgem, R P A van Eijk, HK van der Burgh, HHG Tan, H-I Westeneng, M A van Es, J H Veldink, L H van den Berg

> > 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



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



This journal is a member of and subscribes to the principles of the Committee on Publication Ethics

http://publicationethics.org/



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

Inclusion body myositis in patients with spinocerebellar ataxia types 3 and 6

A Rietveld, J van Gaalen, C Saris, K Okkersen, B Küsters, B van de Warrenburg, B van Engelen, S Sacconi, J Raaphorst

Neurosurgery

879 Neuralgic amyotrophy: a paradigm shift in diagnosis and treatment

C Gstoettner, J A Mayer, S Rassam, L A Hruby, S Salminger, A Sturma, M Aman, L Harhaus, H Platzgummer, O C Aszmann

PostScript

889 Letters



Electronic pages

- Correction: Primary lateral sclerosis: consensus diagnostic criteria
- BNPA Abstracts 2020 e2