

Cover image: M.C. Escher's "Rind". © The M.C. Escher Company-Holland All rights reserved. www.mcescher.com

Editor

Matthew C Kiernan (Australia)

Deputy Editor

Michael Hanna (UK)

Associate Editors

Alan Carson (UK) Satoshi Kuwabara (Japan) Nick Ward (UK) Peter Warnke (USA)

Weh Editors

Arun Krishnan (Australia) Clare Caldwell (Australia) Cindy Lin (Australia) Steve Vucic (Australia)

Editor, Practical Neurology

Charles Warlow (UK)

Editorial Office

Journal of Neurology Neurosurgery &

BMJ Publishing Group Ltd **BMA** House

Tavistock Square

London WC1H 9JR, UK

T: +44 (0)20 7833 6467

F: +44 (0)20 7383 6668

E: jnnp@bmjgroup.com

ISSN: 0022-3050 (print) ISSN: 1468-330X (online)

Impact factor: 4.87

Disclaimer: JNNP is published by BMJ Publishing Group Ltd, a wholly owned subsidiary of the British Medical Association. The BMJ Group grants editorial freedom to the Editor of JNNP. JNNP follows guidelines on editorial independence produced by the World Association of Medical Editors and the code on good publication practice of the Committee on Publication Ethics.

JNNP is intended for medical professionals and is provided without warranty, express or implied. Statements in the journal are the responsibility of their authors and advertisers and not authors institutions, the BMJ Publishing Group or the BMA unless otherwise specified or determined by law Acceptance of advertising does not imply

To the fullest extent permitted by law, the BMJ Publishing Group shall not be liable for any loss, injury or damage resulting from the use of JNNP or any information in it whether based on contract, tort or otherwise. Readers are advised to verify any information they choose to rely on.

Copyright: © 2010 BMJ Publishing Group. All reserved; no part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise

JNNP is published by BMJ Publishing Group Ltd, typeset by TNQ Books & Journals, Chennai, India and printed in the UK on acid-free paper from sustainable forests by Latimer Trend, Plymouth, UK.

Journal of Neurology Neurosurgery & Psychiatry (ISSN No: 0022-3050) is published monthly by BMJ Publishing Group and distributed in the USA by Mercury International Ltd. as mailing agent Periodicals postage paid at Rahway, NJ. POSTMASTER: send address changes to *Journal of Neurology Neurosurgery & Psychiatry*, Mercury International Ltd, 365 Blair Road, Avenel, NJ, 07001, USA.

Editorial commentaries

Contents

1297 Patients with traumatic brain injury are at high risk of developing chronic sleep-wake disturbances

N Gosselin, M Tellier

- **1298** Poor effect of guideline-based treatment of restless legs syndrome in clinical practice R I Davenport
- 1299 Do twin studies still have anything to teach us about the genetics of amyotrophic lateral sclerosis?

K Talbot

Cerebrovascular disease

1301 Estimating the impact of stroke unit care in a whole population: an epidemiological study using routine data

P Langhorne, J D Lewsey, P S Jhund, M Gillies, J W T Chalmers, A Redpath, A Briggs, M Walters, S Capewell, J J V McMurray, K MacIntyre

1306 Ulcerated plagues in the aortic arch contribute to symptomatic multiple brain infarction S Yoshimura, K Toyoda, T Kuwashiro, M Koga, R Otsubo, K Konaka, M Naganuma, H Matsuoka, H Naritomi, K Minematsu

1312 White matter hyperintensities in post-stroke depression: a case control study W K Tang, Y K Chen, I Y Lu, W C W Chu, V C T Mok, G S Ungvari, K S Wong

1316 The effect of brain atrophy on outcome after a large cerebral infarction

S H Lee, C W Oh, J H Han, C-Y Kim, O-K Kwon, Y-J Son, H-J Bae, M-K Han, Y S Chung

Neurodegenerative

1324 An estimate of amyotrophic lateral sclerosis heritability using twin data





1327 Autonomic innervation in multiple system atrophy and pure autonomic failure

V Donadio, P Cortelli, M Elam, V Di Stasi, P Montagna, B Holmberg, M P Giannoccaro, E Bugiardini, P Avoni, A Baruzzi, R Liguori

Neuro-inflammation

1336 A 15-year prospective longitudinal study of disease progression in patients with HTLV-1 associated myelopathy in the UK

F Martin, A Fedina, S Youshya, G P Taylor

1341 Human chorionic gonadotropin treatment of anti-Hu-associated paraneoplastic neurological syndromes

Volume 81 Issue 12 | JNNP December 2010

F van Broekhoven, M T de Graaf, J E Bromberg, H Hooijkaas, M I van den Bent, I W de Beukelaar, N A Khan, I W Gratama, I N van der Geest, M Frens, R Benner, P A Sillevis Smitt

Multiple sclerosis

1345 No evidence of JC virus reactivation in natalizumab treated multiple sclerosis patients: an 18 month follow-up study

L Rinaldi, F Rinaldi, P Perini, M Calabrese, D Seppi, P Grossi, I Mattisi, L Barzon, C Mengoli, M Sanzari, G Palú, P Gallo

1351 Early central atrophy rate predicts 5 year clinical outcome in multiple sclerosis

> C Lukas, A Minneboo, V de Groot, B Moraal, D L Knol, C H Polman, F Barkhof, H Vrenken

1357 Brain macro- and microscopic damage in patients with paediatric MS

> M Absinta, M A Rocca, L Moiola, A Ghezzi, N Milani, P Veggiotti, G Comi, M Filippi

Cognitive disorders

1363 The ADAS-cog in Alzheimer's disease clinical trials: psychometric evaluation of the sum and

> S J Cano, H B Posner, M L Moline, S W Hurt, J Swartz, T Hsu, J C Hobart

1369 Vitamin B₁₂-responsive severe leukoencephalopathy and autonomic dysfunction in a patient with "normal" serum

I I Graber, F T Sherman, H Kaufmann, E H Kolodny, S Sathe

MORE CONTENTS ▶



This article has been chosen by the Editor to be of specialist 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



Articles carrying the Unlocked Logo are freely available online under the BMJ Journals unlocked scheme. See http://jnnp.bmj.com/info/unlocked.dtl

COPE COMMITTEE ON PUBLICATION ETHICS

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

www.publicationethics.org.uk



Neuromuscular

1372 Antidepressants for neuropathic pain: a Cochrane review

T Saarto, P I Wiffen

1374 Randomised controlled trial comparing two different intravenous immunoglobulins in chronic inflammatory demyelinating polyradiculoneuropathy

K Kuitwaard, L H van den Berg, M Vermeulen, E Brusse, E A Cats, A J van der Kooi, N C Notermans, W-L van der Pol, I N van Schaik, S I van Nes, W C J Hop, P A van Doorn

1380 Evaluating the diagnostic capacity of a single-question neuropathy screen (SQNS) in HIV positive Zambian adults

P. A. Kandigh, M. A. Ladzbarov, M. P. Kvalcund

P A Kandiah, M Atadzhanov, M P Kvalsund, G L Birbeck

Movement disorders

Which patients with dystonia benefit from deep brain stimulation? A metaregression of individual patient outcomes

C Andrews, I Aviles-Olmos, M Hariz, T Foltynie

1390 Poor effect of guideline based treatment of restless legs syndrome in clinical practice *J Godau, N Spinnler, A-K Wevers, C Trenkwalder, D Berg*

1396 Spinocerebellar ataxia type 17 associated with an expansion of 42 glutamine residues in TATA-box binding protein gene

D Nolte, E Sobanski, A Wißen, J U Regula,
C Lichy, U Müller

Traumatic brain injury

1402 Sleep—wake disturbances 3 years after traumatic brain injury

J Kempf, E Werth, P R Kaiser, C L Bassetti,

C R Baumann

PostScript

1406 Letters1414 Corrections

Neurological pictures

1322 A case of bilateral stroke of the medulla oblongata

A Kastler, M Ulla, B Claise, F Durif

1382 Familial spinal neurofibromatosis: three generations of identical level symptomatic tumours

M Tsuji, S Harada, Y Ueno, N Osaka

1400 Contralateral cutaneous and MRI findings in a patient with Parry—Romberg syndrome *B D Moseley, T M Burrus, T G Mason, C Shin*