

# Journal of Neurology Neurosurgery & Psychiatry

## Editor

Martin Rossor (UK)

## Deputy Editor

Mike Hanna (UK)

## Editor, Practical Neurology

Charles Warlow (UK)

## Associate Editors

Simon Flemingier (UK)

Didier Leys (France)

Philip Scheltens (The Netherlands)

Peter Warnke (USA)

## Web Editor

Rustam Al-Shahi (UK)

## Editorial Board

F Barkhof (The Netherlands)

P Boon (Belgium)

D Burn (UK)

V Caso (Italy)

M G Celani (Italy)

M S Choksey (UK)

D W Dickson (USA)

H C Diener (Germany)

P J Dyck (USA)

B Fontaine (France)

M Kiernan (Australia)

M Lambon-Ralph (UK)

P N Leigh (UK)

I McKeith (UK)

H Mizusawa (Japan)

S D Silbertstein (USA)

C J Stam (The Netherlands)

M Strupp (Germany)

## Disclaimer

The *Journal of Neurology, Neurosurgery & Psychiatry* is published by BMJ Publishing Group Ltd, a wholly owned subsidiary of the British Medical Association.

The BMA grants editorial freedom to the Editor of the *Journal of Neurology, Neurosurgery & Psychiatry*. The *Journal of Neurology, Neurosurgery & Psychiatry* 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.

The *Journal of Neurology, Neurosurgery & Psychiatry* 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 endorsement.

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 the *Journal of Neurology, Neurosurgery & Psychiatry* or any information in it whether based on contract, tort, or otherwise. Readers are advised to verify any information they choose to rely on.

## Guidelines for authors and reviewers

Full instructions are available online at: <http://jnnp.bmj.com/ffora>

All papers must be submitted via Bench>Press at

<http://submit-jnnp.bmj.com>

## Subscription information

See p iv

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

Practical Neurology: ISSN 1474-7758 (print); 1474-7766 (online)

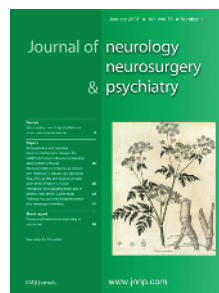
## Copyright

© 2007 BMJ Publishing Group. All rights 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 without the prior permission of the BMJ Publishing Group.

Authors are required to grant the BMJ Publishing Group an exclusive licence to publish; further details available online at <http://jnnp.com/licence/ffora.dtl>

• *Journal of Neurology Neurosurgery & Psychiatry* is published by BMJ Publishing Group, copyedited by Macmillan India Ltd, typeset by The Charlesworth Group, and printed in UK on acid-free paper by Cambrian Printers Ltd, Aberystwyth, Wales

• Periodicals postage paid, Rahway, NJ. Postmaster: send address changes to: *Journal of Neurology Neurosurgery & Psychiatry*, c/o Mercury Airfreight International Ltd, 365 Blair Road, Avenel, NJ 07001, USA



Hemlock

Editor's choice and patient's choice articles are freely available online

## contents JNNP

Volume 78 Number 1 January 2007

### Editorial

- 1 Happy New Year *M Rossor, M Hanna*

### Editorial Commentaries

- 2 Antipsychotics, cognitive decline and death in Alzheimer's disease: the London and South-East Region Alzheimer's Disease longitudinal study *D Ames*
- 2 Behavioural and psychological symptoms of dementia associated with Parkinson's disease *I Leroi, A Burns*
- 3 Investigating the bias of space representations in patients with stroke *M Rousseaux, J Honoré*

### Review

- 5 Mirror writing: neurological reflections on an unusual phenomenon *G D Schott*

### Neurology of body systems

- 14 Antithrombotic and interventional treatment options in cardioembolic transient ischaemic attack and ischaemic stroke *D J H McCabe, R D Rakhit*

### Papers

- 25 Antipsychotics and cognitive decline in Alzheimer's disease: the LASER-Alzheimer's disease longitudinal study *G Livingston, A E Walker, C L E Katona, C Cooper*
- 30 The relationship between cerebral Alzheimer's disease pathology and odour identification in old age *R S Wilson, S E Arnold, J A Schneider, Y Tang, D A Bennett*
- 36 Neuropsychiatric symptoms in patients with Parkinson's disease and dementia: frequency, profile and associated care giver stress *D Aarsland, K Brønneck, U Ehrh, P P De Deyn, S Tekin, M Emre, J L Cummings*
- 43 Perception of longitudinal body axis in patients with stroke: a pilot study *J Barra, V Chauvineau, T Ohlmann, M Gresty, D Pérennou*
- 49 Influence of subjective visual vertical misperception on balance recovery after stroke *I V Bonan, K Hubeaux, M C Gellez-Leman, J P Guichard, E Vicaut, A P Yelnik*
- 56 Influence of cognitive impairment on the institutionalisation rate 3 years after a stroke *M Pasquini, D Leys, M Rousseaux, F Pasquier, H Hénon*
- 60 A population-based study of depressive symptoms in multiple sclerosis in Stockholm county: association with functioning and sense of coherence *K Gottberg, U Einarsson, S Fredrikson, L von Koch, L W Holmqvist*

- 66 Temporal sensitivity in a hemianopic visual field can be improved by long-term training using flicker stimulation *A Raninen, S Vanni, L Hyvärinen, R Näsänen*
- 74 Training-induced cortical representation of a hemianopic hemifield *L Henriksson, A Raninen, R Näsänen, L Hyvärinen, S Vanni*

## Short reports

- 82 PINK1 mutation heterozygosity and the risk of Parkinson's disease *M Toft, R Myhre, L Pielsticker, L R White, J O Aasly, M J Farrer*
- 85 Eosinophilic vasculitis in an isolated central nervous system distribution *R B Sommerville, J M Noble, J P Vonsattel, R Delapaz, C B Wright*
- 89 Paradoxical recovery in a bilingual patient with aphasia after right capsuloputamenal infarction *A García-Caballero, I García-Lado, J González-Hermida, R Area, M J Recimil, O Juncos Rabadán, S Lamas, G Ozaita, F J Jorge*
- 93 Ablative thyroid treatment for thyrotoxicosis due to thyrotropin-producing pituitary tumours *C Daousi, P M Foy, I A MacFarlane*
- 96 Paroxysmal hemicrania responding to topiramate *A S Cohen, P J Goadsby*

## Letters

- 98 Vacuolar leucoencephalopathy and pulvinar sign in association with coeliac disease *A M Ryan, J Ryan, M Wan-Ahmed, O Hardiman, M A Farrell, B McNamara, B J Sweeney*
- 99 Mitochondrial disease mimicking Charcot-Marie Tooth disease *M Needham, J Duley, S Hammond, G.K. Herkes, M Hirano, C M Sue*
- 100 Isolated shoulder palsy due to cortical infarction: localisation and electrophysiological correlates of recovery *A Uncini, C M Caporale, M Caulo, A Ferretti, A Tartaro, F Ranieri, V Di Lazzaro*

- 102 Rapid improvement of diffusion-weighted imaging abnormalities after glucose infusion in hypoglycaemic coma *J Maruya, H Endoh, H Watanabe, H Motoyama, H Abe*
- 103 Familial Creutzfeldt-Jakob disease with E200K mutation presenting with neurosensory hypoacusis *R Reñć, J Campdelacreu, I Ferrer, A Escrig, M Povedano, J Gascoón-Bayarri, E Moral*
- 104 Fugue associated with migraine *G Porter, T Shaw, C J Ryan*
- 105 Severe chorea with positive antibasal ganglia antibodies after herpesencephalitis *I Marschitz, S Rödl, U Gruber-Sedlmayr, A Church, G Giovannoni, G Zobel, C J Mache, J Raith, B Plecko*
- 107 Brain stem encephalitis with central neurogenic hyperventilation *D Nystad, R Salvesen, R Salvesen, E W Nielsen, E W Nielsen*
- 108 New formulation of Botox: complete antibody-induced treatment failure in cervical dystonia *D Dressler, F A Saberi*

- 109 Book reviews

## Neurological pictures

- 35 Mid-brain molar tooth sign: expanding the clinical spectrum *J N Panicker, B Jyothi, K P Sreekumar*
- 81 A case of brain embolism during catheter embolisation of head arteriovenous malformation. What is the mechanism of stroke? *Y Iguchi, K Kimura*

## Historical note

- 92 Hughlings Jackson's early education *E H Reynolds, M Andrew*