

# Journal of Neurology Neurosurgery & Psychiatry

## Editor

Martin Rossor (UK)

## Deputy Editor

Mike Hanna (UK)

## Editor, Practical Neurology

Charles Warlow (UK)

## Associate Editors

Simon Fleminger (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/fora>  
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/fora.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



Frontispiece of 15th Century Italian manuscript showing the fathers of Western medicine – Avicenna

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



[www.publicationethics.org.uk](http://www.publicationethics.org.uk)  
This journal is a member of and subscribes to the principles of the Committee on Publication Ethics

## contents JNNP

Volume 78 Number 3 March 2007

### Editorial commentaries

- 221 Does chronic subthalamic nucleus stimulation in advanced Parkinson's disease cause invalidating cognitive and behavioural dysfunctions?  
*J D Speelman, H M M Smeding, B Schmand*
- 222 Obstructive sleep apnoea: an underestimated cause of peripheral neuropathy  
*J de Seze*
- 222 Lowering the bleeding risk in intra-arterial thrombolysis without losing efficiency by excluding adjunctive heparin?  
*P Trouillas*

### Neurology of body systems

- 224 Neurology and orthopaedics  
*H Houlden, P Charlton, D Singh*

### Papers

- 233 The effects of commonly prescribed drugs in patients with Alzheimer's disease on the rate of deterioration  
*J Ellul, N Archer, C M L Foy, M Poppe, H Boothby, H Nicholas, R G Brown, S Lovestone*
- 240 Single photon emission computed tomography perfusion differences in mild cognitive impairment  
*K A Johnson, E K Moran, J A Becker, D Blacker, A J Fischman, M S Albert*
- 248 Cognitive outcome 5 years after bilateral chronic stimulation of subthalamic nucleus in patients with Parkinson's disease  
*M F Contarino, A Daniele, A H Sibilila, L M A Romito, A R Bentivoglio, G Gainotti, A Albanese*
- 254 A magnetic resonance imaging study of patients with Parkinson's disease with mild cognitive impairment and dementia using voxel-based morphometry  
*M K Beyer, C C Janvin, J P Larsen, D Aarsland*
- 260 Head trauma in primary cranial dystonias: a multicentre case-control study  
*D Martino, G Defazio, G Abbruzzese, P Girlanda, M Tinazzi, G Fabbrini, M S Aniello, L Avanzino, C Colosimo, G Majorana, C Trompetto, A Berardelli*
- 264 Botulinum toxin for writer's cramp: a randomised, placebo-controlled trial and 1-year follow-up  
*J J M Kruisdijk, J H T M Koelman, B W Ongerboer de Visser, R J de Haan, J D Speelman*
- 271 Inherited thrombophilia and stratification of ischaemic stroke risk among users of oral contraceptives  
*A Pezzini, M Grassi, L Iacoviello, E Del Zotto, S Archetti, A Giossi, A Padovani*
- 277 Abnormal breathing patterns in stroke: relationship with location of acute stroke lesion and prior cerebrovascular disease  
*A M Rowat, J M Wardlaw, M S Dennis*

- 280 Symptomatic intracranial haemorrhage after intra-arterial thrombolysis in acute ischaemic stroke: assessment of 294 patients treated with urokinase *C Brekenfeld, L Remonda, K Nedelchev, M Arnold, H P Mattle, U Fischer, L Kappelle, G Schroth*
- 286 Asymmetrical extra-hippocampal grey matter loss related to hippocampal atrophy in patients with medial temporal lobe epilepsy *L Bonilha, C Rorden, J J Halford, M Eckert, S Appenzeller, F Cendes, L M Li*
- 295 Treatment for obstructive sleep apnoea: effect on peripheral nerve function *R Dziewas, M Schilling, P Engel, M Boentert, H Hor, A Okegwo, P Lüdemann, E B Ringelstein, P Young*
- 298 Temporal changes in cerebral tissue oxygenation with cerebrovascular pressure reactivity in severe traumatic brain injury *B T Ang, J Wong, K K Lee, E Wang, I Ng*
- 303 Clinical features and predictive factors of intraventricular rupture in patients who have bacterial brain abscesses *T-H Lee, W-N Chang, T-M Su, H-W Chang, C-C Lui, J-T Ho, H-C Wang, C-H Lu*
- 310 Deep brain stimulation in the internal capsule and nucleus accumbens region: responses observed during active and sham programming *M S Okun, G Mann, K D Foote, N A Shapira, D Bowers, U Springer, W Knight, P Martin, W K Goodman*

## Short reports

- 315 Prevalence of haemochromatosis gene mutations in Parkinson's disease *A H Aamodt, L J Stovner, K Thorstensen, S Lydersen, L R White, J O Aasly*
- 318 Patterns of reoccurrence of segmental dystonia after discontinuation of deep brain stimulation *E Grips, C Blahak, H H Capelle, H Bänzner, R Weigel, O Sedlacek, J K Krauss, J C Wöhrle*
- 321 Familial prion disease in a Hungarian family with a novel 144-base pair insertion

in the prion protein gene *T Kovács, J A Beck, M I Papp, P L Lantos, Z Arányi, I G Szirmai, M Farsang, A Stuke, A Csillik, J Collinge*

## Letters

- 324 Reversible limbic encephalitis with antibodies against the membranes of neurones of the hippocampus *H Shimazaki, Y Ando, I Nakano, J Dalmau*
- 325 Devic's syndrome-like phenotype associated with thymoma and anti-CV2/CRMP5 antibodies *F Ducray, R Roos-Weil, P Y Garcia, J Slesari, O Heinzlef, D Chatelain, P Toussaint, E Rouillet, J Honnorat*
- 326 HFE H63D polymorphism is increased in patients with amyotrophic lateral sclerosis of Italian origin *G Restagno, F Lombardo, P Ghiglione, A Calvo, E Cocco, L Sbaiz, R Mutani, A Chiò*
- 327 Causes of death in multiple system atrophy *S Papapetropoulos, A Tuchman, D Laufer, A G Papatsoris, N Papapetropoulos, D C Mash*
- 329 Pisa syndrome after unilateral pallidotomy in Parkinson's disease: an unrecognised, delayed adverse event? *B P C van de Warrenburg, K P Bhatia, N P Quinn*

- 330 Corrections

## Neurological pictures

- 253 Dengue haemorrhagic fever: an unusual cause of intracranial haemorrhage *J Kumar, A Kumar, S Gupta, D Jain*
- 309 An internuclear ophthalmoplegia with ipsilateral abduction deficit: half and half syndrome *S Randhawa, V A Shah, R H Kardon, A G Lee*

## Historical note

- 302 Robert Bárány *J M S Pearce*