

# Journal of Neurology Neurosurgery and Psychiatry

## Editor

Professor M N Rossor

## Deputy Editor

Dr M G Hanna

## Associate Editors

Dr S Fleminger, UK  
Professor D Leys, France  
Professor P Scheltens, The Netherlands  
Professor I R Whittle, UK

## Web Editor

R Al-Shahi (UK)

## Editorial Board

M P Barnes (UK)  
Y Ben-Shlomo (UK)  
S F Berkovic (Australia)  
I Bone (UK)  
M-G Bousser (France)  
T Brandt (Germany)  
D J Brooks (UK)  
M C Dalakas (USA)  
M Donaghy (UK)  
J S Duncan (UK)  
M Filippi (Italy)  
P J Goadsby (UK)  
M Husain (UK)  
P J Kirkpatrick (UK)  
S Love (UK)  
S Lovestone (UK)  
H Markus (UK)  
R Maurice-Williams (UK)  
T M McMillan (UK)  
K Mills (UK)  
I F Moseley (UK)  
AHV Schapira (UK)  
A Thompson (UK)  
E Tolosa (Spain)  
J Wardlaw (UK)  
J H J Wokke (The Netherlands)  
N W Wood (UK)  
Editor, *BMJ*

## Editorial Assistants

A L Kirk  
S Taylor

## Technical Editor

M Dodd

## Instructions to authors

Full instructions are available online at  
[www.jnnp.com/misc/ifora.shtml](http://www.jnnp.com/misc/ifora.shtml)  
If you do not have web access please contact the editorial office:

Journal of Neurology, Neurosurgery & Psychiatry  
BMJ Journals, BMA House, Tavistock Square,  
London WC1H 9JR, UK  
Telephone +44 (0)20 7383 6890  
Fax +44 (0)20 7383 6668  
Email: [jnnp@bmjgroup.com](mailto:jnnp@bmjgroup.com)

## Subscription information

See p iv

## Copyright

© 2004 *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*.

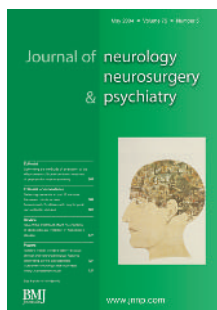
Authors are required to grant the *BMJ Publishing Group* an exclusive licence to publish; further details available online at [www.jnnp.com/misc/ifora.shtml](http://www.jnnp.com/misc/ifora.shtml)

• *Journal of Neurology Neurosurgery and Psychiatry* is published by BMJ Publishing Group, typeset by The Charlesworth Group, and printed in UK on acid-free paper by Thanet Press Limited, Margate, Kent

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

# contents JNNP

Volume 75 Number 5 May 2004



## Editorial

- 665 Optimising the methods of evaluation of the effectiveness of botulinum toxin treatment of post-stroke muscle spasticity *A M O Bakheit*

## Editorial commentaries

- 666 Detecting dementia in just 12 minutes: the seven minute screen *V W Henderson*  
667 Assessment of patients with psychogenic non-epileptic seizures *L H Goldstein*

## Neuroscience for neurologists

- 669 Applications of positron emission tomography (PET) in neurology *Y F Tai, P Piccini*

## Review

- 677 Size of the treatment effect on cognition of cholinesterase inhibition in Alzheimer's disease *K Rockwood*

## Lesson of the month

- 686 X-linked adrenoleukodystrophy presenting as autosomal dominant pure hereditary spastic paraparesis *C J Shaw-Smith, S J G Lewis, E Reid*

## Papers

- 689 Clozapine in drug induced psychosis in Parkinson's disease: a randomised, placebo controlled study with open follow up *P Pollak, F Tison, O Rascol, A Destée, J J Péré, J M Senard, F Durif, I Bourdeix, on behalf of the French Clozapine Parkinson Study Group*  
696 Association between apolipoprotein E  $\epsilon 4$  allele and arteriosclerosis, cerebral amyloid angiopathy, and cerebral white matter damage in Alzheimer's disease *J Tian, J Shi, K Bailey, C L Lendon, S M Pickering-Brown, D M A Mann*  
700 The seven minute screen: a neurocognitive screening test highly sensitive to various types of dementia *E F J Meulen, B Schmand, J P van Campen, S J de Koning, R W Ponds, P Scheltens, F R Verhey*  
706 Multicentre, randomised, double blind, placebo controlled, phase III study of weekly, low dose, subcutaneous interferon beta-1a in secondary progressive multiple sclerosis *O Andersen, I Elovaara, M Färkkilä, H J Hansen, S I Mellgren, K-M Myhr, M Sandberg-Wollheim, P Soelberg Sørensen, The Nordic SPMS Study Group*  
711 Clinical characteristics of multiple sclerosis in Västerbotten County in northern Sweden *P Sundström, A Svenningsson, L Nyström, L Forsgren*  
717 Electromagnetic function of polymicrogyric cortex in congenital bilateral perisylvian syndrome *R Paetau, J Saraneva, O Salonen, L Valanne, J Ignatius, S Salenius*  
723 Molecular-genetic characterisation of gliomas that recur as same grade or higher grade tumours *T J M Hulsebos, D Troost, S Leenstra*

**NEW  
ONLINE  
SUBMISSION**  
**GO TO  
WEBSITE**  
**TO SUBMIT YOUR  
MANUSCRIPT**



[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

- 727 Isolated middle cerebral artery disease: clinical and neuroradiological features depending on the pathogenesis *P H Lee, S H Oh, O Y Bang, I S Joo, K Huh*
- 733 Arterial oxygen saturation, COPD, and cerebral small vessel disease *E J van Dijk, S E Vermeer, J C de Groot, J van de Minkelis, N D Prins, M Oudkerk, A Hofman, P J Koudstaal, M M B Breteler*
- 737 Outcomes following childhood head injury: a population study *C A Hawley, A B Ward, A R Magnay, J Long*
- 743 Multidimensional assessment of personality in patients with psychogenic non-epileptic seizures *M Reuber, R Pukrop, J Bauer, R Derfuss, C E Elger*
- 749 Craniocervical dystonia questionnaire (CDQ-24): development and validation of a disease-specific quality of life instrument *J Müller, J Wissel, G Kemmler, B Voller, T Bodner, A Schneider, G K Wenning, W Poewe, and the Austrian Botulinum Toxin and Dystonia Study Group*
- 754 Theoretical analysis of the pathophysiology of syringomyelia associated with adhesive arachnoiditis *H S Chang, H Nakagawa*
- 758 Correlation of clinical findings, collision parameters, and psychological factors in the outcome of whiplash associated disorders *M Richter, R Ferrari, D Otte, H-W Kuensebeck, M Blauth, C Krettek*
- 765 Chronic inflammatory demyelinating polyneuropathy: decreased claudin-5 and relocated ZO-1 *T Kanda, Y Numata, H Mizusawa*

## Short reports

- 771 Use of short term video EEG in the diagnosis of attack disorders *A McGonigal, A J C Russell, A K Mallik, M Oto, R Duncan*
- 773 Medial temporal lobe epilepsy: gender differences *J Janszky, R Schulz, I Janszky, A Ebner*
- 776 Reversible bilateral internuclear ophthalmoplegia associated with FK506 *M M Lai, J B Kerrison, N R Miller*
- 779 Treatment of anterior canal benign paroxysmal positional vertigo by a prolonged forced position procedure *L Crevits*
- 782 A case of Collet-Sicard syndrome associated with traumatic atlas fractures

- and congenital basilar invagination *H P Hsu, S T Chen, C J Chen, L S Ro*
- 785 Imidazoline I<sub>2</sub> receptor density increases with the malignancy of human gliomas *L F Callado, J I Martín-Gómez, J Ruiz, J M Garibi, J J Meana*

## Letters

- 788 Emotion processing in the minimally conscious state *T Bekinschtein, J Niklison, L Sigman, F Manes, R Leiguarda, J Armony, A Owen, S Carpintiero, L Olmos*
- 789 Neurosyphilis presenting with gummatous oculomotor nerve palsy *W W Seeley, N Venna*
- 789 High dose cyclophosphamide for severe refractory myasthenia gravis *D E Gladstone, T H Brannagan III, R J Schwartzman, A A Prestrud, I Brodsky*
- 791 Acute head drop after cervical hyperflexion injury *R F Price*
- 792 Acute disseminated encephalomyelitis temporally associated with *Campylobacter* gastroenteritis *D Orr, M W McKendrick, B Sharrack*

## Correspondence

- 794 Misuse of the terms chiropractic and chiropractor *A Wenban*. Reply: *J Beck, A Raabe, E Dettmann, V Seifert*

- 794 Book reviews

- 797 Proceedings

## Historical notes

- 688 Friedreich's ataxia *J M S Pearce*
- 770 Tuberos sclerosis complex and its founders *F E Jansen, O van Nieuwenhuizen, A C van Huffelen*

## Neurological picture

- 775 An unusual case of thigh adductor weakness: obturator nerve ganglion *A H Schwabegger, M Shafiqhi, R Gurunluoglu*

## Neuronline

- 784 We move: [www.wemove.org](http://www.wemove.org) *M Sadler*