

Journal of Neurology Neurosurgery and Psychiatry

Editor

Professor M N Rossor

Deputy Editor

Dr M G Hanna

Associate Editors

Dr S Fleming, UK
Professor D Leys, France
Professor Ph Scheltens, The Netherlands
Professor P Warnke, UK

Web Editor

R Al-Shahi (UK)

Editorial Board

F Barkhof (Netherlands)
P Boon (Belgium)
D Burn (UK)
M G Celani (Italy)
M S Choksey (UK)
H C Diener (Germany)
P J Dyck (USA)
M Filippi (Italy)
B Fontaine (France)
M A Gresty (UK)
M Husain (UK)
M Kiernan (Australia)
M Lambon-Ralph (UK)
S Love (UK)
H Markus (UK)
I McKeith (UK)
K Mills (UK)
H Mizusawa (Japan)
S D Silberstein (USA)
J H J Wokke (Netherlands)

Editorial Assistant

E Ioannou

Technical Editor

N West

Instructions to authors

All papers must be submitted via BenchPress at <http://submit-jnnp.bmjournals.com>

Subscription information

See p iv

Copyright

© 2006 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/fora.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



From the paper by Padovani et al (see page 457)

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



www.publicationethics.org.uk

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

contents JNNP

Volume 77 Number 4 April 2006

Editorial commentaries

- 427 Paraneoplastic cerebellar degeneration: new insights into imaging and immunology *J H Rees*
- 428 Presurgical evaluations of patients with intractable epilepsy *R P Lesser*
- 428 Neuropsychological dysfunction following repeat concussions in jockeys *T W Teasdale*

Review

- 429 Clinical trials in mild cognitive impairment: lessons for the future *V Jelic, M Kivipelto, B Winblad*

Papers

- 439 Hippocampal atrophy on MRI in frontotemporal lobar degeneration and Alzheimer's disease *L A van de Pol, A Hensel, W M van der Flier, P-J Visser, Y A L Pijnenburg, F Barkhof, H Josef Gertz, P Scheltens*
- 443 Clinical and economic results of bilateral subthalamic nucleus stimulation in Parkinson's disease *V Fraix, J-L Houeto, C Lagrange, C Le Pen, P Krystkowiak, D Guehl, C Ardouin, M-L Welter, F Maurel, L Defebvre, A Rougier, A-L Benabid, V Mesnage, M Ligier, S Blond, P Burbaud, B Bioulac, A Destée, P Cornu, P Pollak, on behalf of the SPARK Study Group*
- 450 Clinical and neuropsychological follow up at 12 months in patients with complicated Parkinson's disease treated with subcutaneous apomorphine infusion or deep brain stimulation of the subthalamic nucleus *D De Gaspari, C Siri, A Landi, R Cilia, A Bonetti, F Natuzzi, L Morgante, C B Mariani, E Sganzerla, G Pezzoli, A Antonini*
- 454 Visuospatial functions in atypical parkinsonian syndromes *T H Bak, D Caine, V C Hearn, J R Hodges*
- 457 Diffusion tensor imaging and voxel based morphometry study in early progressive supranuclear palsy *A Padovani, B Borroni, S M Brambati, C Agosti, M Brolli, R Alonso, P Scifo, G Bellelli, A Alberici, R Gasparotti, D Perani*
- 464 The α -synuclein gene in multiple system atrophy *T Ozawa, D G Healy, P M Abou-Sleiman, K R Ahmadi, N Quinn, A J Lees, K Shaw, U Wullner, J Berciano, J C Moller, C Kamm, K Burk, K A Josephs, P Barone, E Tolosa, D B Goldstein, G Wenning, F Geser, J L Holton, T Gasser, T Revesz, N W Wood, the European MSA study group*
- 468 Predictors of falls and fractures in bradykinetic rigid syndromes: a retrospective study *D R Williams, H C Watt, A J Lees*
- 474 Is it worth pursuing surgery for epilepsy in patients with normal neuroimaging? *G Alarcón, A Valentín, C Watt, R P Selway, M E Lacruz, R D C Elwes, J M Jarosz, M Honavar, F Brunhuber, N Mullatti, I Bodi, M Salinas, C D Binnie, C E Polkey*
- 481 Variability of antiepileptic medication taking behaviour in sudden unexplained death in epilepsy: hair analysis at autopsy *J Williams, C Lawthom, F D Dunstan, T P Dawson, M P Kerr, J F Wilson, P E M Smith*
- 485 Calcified cysticercotic lesions and intractable epilepsy: a cross sectional study of 512 patients *T R Velasco, P A Zanello, C L Dalmagro, D Araújo Jr, A C Santos, M M Bianchin, V Alexandre Jr, R Walz, J A Assirati, C G Carloti Jr, O M Takayanagui, A C Sakamoto, J P Leite*

- 489 Increased thalamus levels of glutamate and glutamine (Glx) in patients with idiopathic generalised epilepsy *G Helms, C Ciumas, S Kyaga, I Savic*
- 495 Neurological abnormalities in young adults born preterm *M Allin, M Rooney, T Griffiths, M Cuddy, J Wyatt, L Rifkin, R Murray*
- 500 Origin of ICU acquired paresis determined by direct muscle stimulation *J-P Lefaucheur, T Nordine, P Rodriguez, L Brochard*
- 507 Post-streptococcal opsoclonus-myoclonus syndrome associated with anti-neuroleukin antibodies *P M Candler, R C Dale, S Griffin, A J Church, R Wait, M D Chapman, G Keir, G Giovannoni, J H Rees*

Short reports

- 513 Usefulness of the Rowland Universal Dementia Assessment Scale in South India *T Iype, B K Ajitha, P Antony, N B Ajeeth, S Job, K S Shaji*
- 515 Genetic associations between cathepsin D exon 2 C→T polymorphism and Alzheimer's disease, and pathological correlations with genotype *Y Davidson, L Gibbons, A Pritchard, J Hardicre, J Wren, J Tian, J Shi, C Stopford, C Julien, J Thompson, A Payton, U Thaker, A J Hayes, T Iwatsubo, S M Pickering-Brown, N Pendleton, M A Horan, A Burns, N Purandare, C L Lendon, D Neary, J S Snowden, D M A Mann*
- 518 Neuropsychological dysfunction following repeat concussions in jockeys *S E Wall, W H Williams, S Cartwright-Hatton, T P Kelly, J Murray, M Murray, A Owen, M Turner*
- 521 Evaluation of single nucleotide polymorphisms in the phosphodiesterase 4D gene (*PDE4D*) and their association with ischaemic stroke in a large German cohort *G Kühlenbäumer, K Berger, A Hüge, E Lange, C Kessler, U John, H Funke, D G Nabavi, F Stögbauer, E B Ringelstein, M Stoll*
- 525 Cerebellar hypermetabolism in paraneoplastic cerebellar degeneration *K-D Choi, J S Kim, S-H Park, Y K Kim, S E Kim, P S Smitt*
- 529 Clinical insights into paraneoplastic cerebellar degeneration *R Scheid, R Voltz, S Briest, R Kluge, D Y von Cramon*
- 531 Treadmill training for individuals with multiple sclerosis: a pilot randomised trial *M van den Berg, H Dawes, D T Wade, M Newman, J Burridge, H Izadi, C M Sackley*
- 534 Late onset axonal Charcot-Marie-Tooth phenotype caused by a novel myelin protein zero mutation *H M E Bienfait, C G Faber, F Baas, A A W M Gabreëls-Festen, J H T M Koelman, J E Hoogendijk, J J Verschuuren, J H J Wokke, M de Visser*

- 538 An abnormal mRNA produced by a novel PMP22 splice site mutation associated with HNPP *E Bellone, P Balestra, G Ribizzi, A Schenone, G Zocchi, E Di Maria, F Ajmar, P Mandich*
- 541 Frequency of dystrophic muscle abnormalities in chronic progressive external ophthalmoplegia: analysis of 86 patients *B H Kiyomoto, C H Tengan, C K Costa, A S Oliveira, B Schmidt, A A Gabbai*
- 544 Treatment of chronic inflammatory demyelinating polyradiculoneuropathy with methotrexate *D Fialho, Y-C Chan, D C Allen, M M Reilly, R A C Hughes*
- 548 Sensory nerve excitability and neuropathy in end stage kidney disease *A V Krishnan, R K S Phoon, B A Pussell, J A Charlesworth, M C Kiernan*
- 552 Stress induced hypotension in pure autonomic failure *R D Thijs, J G van Dijk*
- 554 Sleep disorders are long-term sequelae of both bacterial and viral meningitis *H Schmidt, S Cohrs, T Heinemann, C Goerdts, M Djukic, B Heimann, C-W Wallesch, R Nau*
- 559 Sneezing related area in the medulla: localisation of the human sneezing centre? *M Seijo-Martínez, A Varela-Freijanes, J Grandes, F Vázquez*

Letters

- 562 Unusual magnetic resonance imaging and cerebrospinal fluid findings in paraneoplastic cerebellar degeneration: a sequential study *C de Andrés, A Esquivel, J G de Villoria, F Graus, S Sánchez-Ramón*
- 563 Abscess of the medulla oblongata following endotracheal intubation *S J L Payne, S J Hickman, R S Howard*
- 564 Anti-MuSK antibodies in a case of ocular myasthenia gravis *D L H Bennett, K R Mills, P Riordan-Eva, P R J Barnes, M R Rose*
- 565 Cognitive changes in Parkinson's disease during subthalamic stimulation: a clinicopathologic study *F Valdeorriola, E Tolosa, M Alegret, E Tolosa, M J Rey, O Morsi, M Pilleri, J Rumià*
- 566 Levetiracetam can be effective in the treatment of restless legs syndrome with periodic limb movements in sleep: report of two cases *G Della Marca, C Vollono, P Mariotti, M Mazza, G F Mennuni, P Tonali, S Mazza*

- 567 Book reviews

Neurological pictures

- 463 Eight-and-a-half syndrome *R Nandhagopal, S G Krishnamoorthy*
- 512 Brain involvement in a *Schistosoma mansoni* myelopathy patient *F J C Artal, H M Mesquita, R de A Gepp, J S Antunes, R K Kalil*



This logo indicates an article that was published online first ahead of print