

# 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 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)  
M Donaghy (UK)  
P J Dyck (USA)  
M Filippi (Italy)  
B Fontaine (France)  
M A Gresty (UK)  
M Husain (UK)  
M Lambon-Ralph (UK)  
S Love (UK)  
H Markus (UK)  
I McKeith (UK)  
K Mills (UK)  
H Mizusawa (Japan)  
S D Silbertstein (USA)  
A Thompson (UK)  
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.bmjjournals.com>

## Subscription information

See p iv

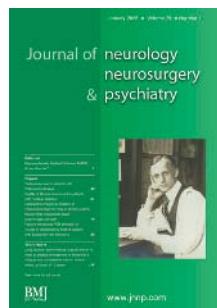
## Copyright

© 2005 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



Dr Harvey Williams  
Cushing: courtesy of the  
Alan Mason Chesney  
Medical Archives/John  
Hopkins Medical  
Institutions

# contents JNNP

Volume 76 Number 1 January 2005

## Editorials

- 1 New year... M N Rossor, M G Hanna
- 1 Migraine—anxiety related dizziness (MARD): a new disorder? J M Furman, C D Balaban, R G Jacob, D A Marcus

## Editorial commentaries

- 9 Long duration asymmetric postural tremor in the development of Parkinson's disease D G Grosset, A J Lees
- 10 Molecular diagnosis of CNS viral infections L E Davis, K L Tyler

## Papers

- 11 A voxel based morphometry study on mild cognitive impairment C Pennanen, C Testa, M P Laakso, M Hallikainen, E-L Helkala, T Hänninen, M Kivipelto, M Könönen, A Nissinen, S Tervo, M Vanhanen, R Vanninen, G B Frisoni, H Soininen
- 15 Metabolic interaction between ApoE genotype and onset age in Alzheimer's disease: implications for brain reserve L Mosconi, K Herholz, I Prohovnik, B Nacmias, M T R De Cristofaro, M Fayyaz, L Bracco, S Sorbi, A Pupi
- 25 Brain activation during ideomotor praxis: imitation and movements executed by verbal command M Makuchi, T Kaminaga, M Sugishita
- 34 Different patterns of medication change after subthalamic or pallidal stimulation for Parkinson's disease: target related effect or selection bias? A Minguez-Castellanos, F Escamilla-Sevilla, M J Katati, J M Martin-Linares, M Meersmans, A Ortega-Moreno, V Arjona
- 40 Taste responses in patients with Parkinson's disease H Sienkiewicz-Jarosz, A Scinska, W Kuran, D Ryglewicz, A Rogowski, E Wrobel, A Korkosz, A Kukwa, W Kostowski, P Bienkowski
- 47 The spasticity paradox: movement disorder or disorder of resting limbs? J A Burne, V L Carleton, N J O'Dwyer
- 55 Abnormal vibration induced illusion of movement in essential tremor: evidence for abnormal muscle spindle afferent function N Firma, R A Grünewald
- 58 A comparison of health utility measures for the evaluation of multiple sclerosis treatments J D Fisk, M G Brown, I S Sketris, L M Metz, T J Murray, K J Stadnyk
- 64 Quality of life and impairment in patients with multiple sclerosis A-K Isaksson, G Ahlström, L-G Gunnarsson
- 70 Clinical and imaging predictors of intracerebral haemorrhage in stroke patients treated with intravenous tissue plasminogen activator L Derex, M Hermier, P Adeleine, J-B Pialat, M Wiart, Y Berthezène, F Philippeau, J Honnorat, J-C Froment, P Trouillas, N Nighoghossian
- 76 Prognostic significance of admission levels of troponin I in patients with acute ischaemic stroke E Di Angelantonio, M Fiorelli, D Toni, M L Sacchetti, S Lorenzano, A Falcao, M V Ciarla, M Suppa, L Bonanni, G Bertazzoni, F Aguglia, C Argentino
- 82 Factors influencing PCR detection of viruses in cerebrospinal fluid of patients with suspected CNS infections N W S Davies, L J Brown, J Gonide, D Irish, R O Robinson, A V Swan, J Banatvala, R S Howard, M K Sharief, P Muir



[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

- 88 Spontaneous nystagmus in dorsolateral medullary infarction indicates vestibular semicircular canal imbalance *H Rambold, C Helmchen*
- 95 Lesional location of lateral medullary infarction presenting hiccups (*singultus*) *M H Park, B J Kim, S B Koh, M K Park, K W Park, D H Lee*

## Short reports

- 100 14-3-3  $\gamma$ -isoform detection distinguishes sporadic Creutzfeldt–Jakob disease from other dementias *B R J Van Everbroeck, J Boons, P Cras*
- 103 Postmenopausal hormone therapy and Alzheimer's disease risk: interaction with age *V W Henderson, K S Benke, R C Green, L A Cupples, L A Farrer, for the MIRAGE Study Group*
- 106 Disturbance of sensory filtering in dementia with Lewy bodies: comparison with Parkinson's disease dementia and Alzheimer's disease *M-P Perriol, K Dujardin, P Derambure, A Marcq, J-L Bourriez, E Laureau, F Pasquier, L Defebvre, A Destée*
- 109 EEG coherence reflects regional corpus callosum area in Alzheimer's disease *O Pogarell, S J Teipel, G Juckel, L Gootjes, T Möller, K Bürger, G Leinsinger, H-J Möller, U Hegerl, H Hampel*
- 112 Structural correlates of early and late onset Alzheimer's disease: voxel based morphometric study *G B Frisoni, C Testa, F Sabattoli, A Beltramello, H Soininen, M P Laakso*
- 115 Long duration asymmetrical postural tremor is likely to predict development of Parkinson's disease and not essential tremor: clinical follow up study of 13 cases *K Ray Chaudhuri, M Buxton-Thomas, V Dhawan, R Peng, C Meilak, D J Brooks*
- 118 Dopamine transporter SPECT in patients with mitochondrial disorders *M Minnerop, C Kornblum, A Y Joe, K Tatsch, W S Kunz, T Klockgether, U Wüllner, M J Reinhardt*
- 121 The –148 C/T fibrinogen gene polymorphism and fibrinogen levels in ischaemic stroke: a case-control study *M P J van Goor, E B Gómez-García, F W G Leebeek, G J Brouwers, P J Koudstaal, D W J Dippe*
- 124 Verapamil induced gingival enlargement in cluster headache *M S Matharu, J A van Vliet, M D Ferrari, P J Goadsby*
- 129 Cerebral correlates of declarative memory dysfunctions in early traumatic brain injury *J M Serra-Grabulosa, C Junqué, K Verger, P Salgado-Pineda, C Mañeru, J M Mercader*
- 132 Hyperglycaemia in patients with juvenile muscular atrophy of the distal upper extremity (Hirayama disease) *S Ito, S Kuwabara, T Fukutake, Y Tokumaru, T Hattori*
- 135 Severe tick borne encephalitis with simultaneous brain stem, bithalamic, and spinal

cord involvement documented by MRI *A Bender, G Schulte-Altedorneburg, E U Walther, H-W Pfister*

- 138 Kinematical analysis of emotionally induced facial expressions: a novel tool to investigate hypomimia in patients suffering from depression *R Mergl, P Mavrogiorgou, U Hegerl, G Juckel*

## Letters

- 141 Stiff person syndrome with eye movement abnormality, myasthenia gravis, and thymoma *S Thomas, P Critchley, M Lawden, S Farooq, A Thomas, F A Proudlock, C S Constantinescu, I Gottlob*
- 142 Internal jugular vein thrombosis associated with shiatsu massage of the neck *Y Wada, C Yanagihara, Y Nishimura*
- 143 Congenital dumbbell neuroblastoma mimicking birth trauma *F Nejat, S Zabihyan Sigarchi, M Izadyar*
- 144 Anorexia nervosa remission following left thalamic stroke *H Dusoir, C Owens, R B Forbes, J I Morrow, P A Flynn, M O McCarron*
- 145 Is the rapid assessment stroke clinic rapid enough in assessing transient ischaemic attack and minor stroke? *E Widjaja, S N Salam, P D Griffiths, C Kamara, C Doyle, G S Venables*
- 146 An unusual cause of dysphagia *S Payne, D Wilkins, R Howard*
- 147 Traumatic brain injury and haemorrhagic complications after intracranial pressure monitoring *M Blaha, D Lazar*
- 148 Book reviews

## Miscellanea

- 94 Echo  
127 Echo

## Neurological picture

- 24 Progressive multifocal leucoencephalopathy with discrete involvement of pyramidal tract *N Sobha, S Sinha, A B Taly, G R Arunodaya, S Ravishankar, B Anandh, A Mahadevan, V Santosh, S K Shankar*

## Historical notes

- 99 Parinaud's syndrome *J M S Pearce*  
128 Poliomyelitis (Heine-Medin disease) *J M S Pearce*

## Proceedings

- 150 ABN abstracts