# 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**

#### 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

- 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 76 Number 3 March 2005



Guaiacum officinale from Dr Woodville's Medical Botany, published in 1790

## **Editorial**

Trigeminal autonomic cephalalgias: fancy term or constructive change to the IHS classification? P J Goadsby

.....

.....

### **Editorial commentaries**

- Action of cholinesterase inhibitors in patients' brains K Herholz
- 306 Recreational cannabis use: not so harmless! D Deplanque

### **Review**

Functional symptoms in neurology: questions and answers M Reuber, A J Mitchell, S J Howlett, 307 H L Crimlisk, R A Grünewald

.....

.....

#### **Papers**

- 315 Degree of inhibition of cortical acetylcholinesterase activity and cognitive effects by donepezil treatment in Alzheimer's disease N I Bohnen, D I Kaufer, R Hendrickson, L S Ivanco, B J Lopresti, R A Koeppe, C C Meltzer, G Constantine, J G Davis, C A Mathis, S T DeKosky, R Y Moore
- Predicting the outcome of cholinesterase inhibitor treatment in Alzheimer's disease *P J Connelly*, 320 N P Prentice, K G Fowler
- 325 Involvement of the peripheral nervous system in human prion diseases including dural graft associated Creutzfeldt-Jakob disease Č Ishida, S Okino, T Kitamoto, M Yamada
- 330 The neuropsychology of variant CJD: a comparative study with inherited and sporadic forms of prion disease R J Cordery, K Alner, L Cipolotti, M Ron, A Kennedy, J Collinge, M N Rossor
- 337 Incidence and mutation rates of Huntington's disease in Spain: experience of 9 years of direct genetic testing M A Ramos-Arroyo, S Moreno, A Valiente
- 343 Heterogeneity of Parkinson's disease in the early clinical stages using a data driven approach S J G Lewis, T Foltynie, A D Blackwell, T W Robbins, A M Owen, R A Barker
- 349 Admission blood glucose and short term survival in primary intracerebral haemorrhage: a population based study R Fogelholm, K Murros, A Rissanen, S Avikainen
- 354 Early computed tomography features in extensive middle cerebral artery territory infarct: prediction of survival W W M Lam, T W H Leung, W C W Chu, D T K Yeung, L K S Wong, W S Poon
- 358 Incidence and diagnosis of anosognosia for hemiparesis revisited B Baier, H-O Karnath
- 362 White matter hyperintensities are related to physical disability and poor motor function PS Sachdev, W Wen, H Christensen, A F Jorm
- 368 Ten year recurrence after first ever stroke in a Japanese community: the Hisayama study J Hata, Y Tanizaki, Y Kiyohara, I Kato, M Kubo, K Tanaka, K Okubo, H Nakamura, Y Oishi, S Ibayashi, M Iida



www.publicationethics.org.uk

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

# contents JNNP

Volume 76 Number 3 March 2005

373	Effects of peripheral cooling on intention
	tremor in multiple sclerosis P Feys,
	W Helsen, X Liu, D Mooren, H Albrecht,
	B Nuttin, P Ketelaer

- 380 Neuropsychiatric porphyria in patients with refractory epilepsy: report of three cases A S Winkler, T J Peters, R D C Elwes
- 384 Vagus nerve stimulation: predictors of seizure freedom J Janszky, M Hoppe, F Behne, I Tuxhorn, H W Pannek, A Ebner
- 390 Lower urinary tract function in patients with pituitary adenoma compressing hypothalamus T Yamamoto, R Sakakibara, T Uchiyama, Z Liu, T Ito, T Yamanishi, T Hattori
- 395 Late mortality after head injury B Pentland, L S Hutton, P A Jones
- 401 Identifying factors contributing to child and family outcome 30 months after traumatic brain injury in children V A Anderson, C Catroppa, F Haritou, S Morse, J V Rosenfeld
- 409 Targeting the subthalamic nucleus for deep brain stimulation: technical approach and fusion of pre- and postoperative MR images to define accuracy of lead placement N A Hamid, R D Mitchell, P Mocroft, G W M Westby, J Milner, H Pall
- 415 The time course of visual field recovery following transphenoidal surgery for pituitary adenomas: predictive factors for a good outcome K K Gnanalingham, S Bhattacharjee, R Pennington, J Ng, N Mendoza

# **Short reports**

- 420 Cognitive bedside assessment in atypical parkinsonian syndromes TH Bak, TT Rogers, LM Crawford, VC Hearn, PS Mathuranath, JR Hodges
- 423 Differentiation of Parkinson's disease and atypical parkinsonian syndromes by transcranial ultrasound S Behnke, D Berg, M Naumann, G Becker
- 426 Altered subthalamo-pallidal synchronisation in parkinsonian dyskinesias G Foffani, G Ardolino, B Meda, M Egidi, P Rampini, E Caputo, G Baselli, A Priori
- 429 Changes in motor cortex excitability during muscle fatigue in amyotrophic lateral sclerosis R Nardone, E Buffone, I Florio, F Tezzon
- 432 Neurometabolic coupling in the vegetative and minimally conscious states: preliminary findings M R Coleman, D K Menon, T D Fryer, J D Pickard
- 435 Recurrent stroke associated with cannabis use I Mateo, A Pinedo, M Gomez-Beldarrain, J M Basterretxea, J C Garcia-Monco

- 438 DWI in transient global amnesia and TIA: proposal for an ischaemic origin of TGA K Winbeck, T Etgen, H G von Einsiedel, M Röttinger, D Sander
- 442 Genotype-phenotype correlation in a family with late onset CMT and an MPZ lys236del mutation J E Sowden, E L Logigian, K Malik, D N Herrmann
- 445 Histology of hereditary neuralgic amyotrophy Nvan Alfen, AAWMGabreëls-Festen, HJ ter Laak, WFM Arts, FJM Gabreëls, BGM van Engelen
- 448 Long-term treatment of generalised myasthenia gravis with FK506 (tacrolimus) T Konishi, Y Yoshiyama, M Takamori, T Saida, the Japanese FK506 MG Study Group
- 451 4-aminopyridine restores visual ocular motor function in upbeat nystagmus S Glasauer, R Kalla, U Büttner, M Strupp, T Brandt

#### **Letters**

- 454 Possible transcallosal seizure induction by paired pulse transcranial magnetic stimulation in a patient with frontal lobe epilepsy J Reis, F Rosenow, B Fritsch, S Knake, W H Oertel, H M Hamer
- 455 Hashimoto's encephalopathy: steroid resistance and response to intravenous immunoglobulins *S Jacob*, *Y A Rajabally*
- 456 Spontaneous lobar haemorrhage in CADASIL A V MacLean, R Woods, L M Alderson, S P Salloway, S Correia, S Cortez, E G Stopa
- 457 Urinary retention caused by a small cortical infarction K Funakoshi, T Fukutake, H Nishino, S Sato, T Yamanishi
- 458 Book review
- 458 Corrections

#### **Historical notes**

- 389 Neuralgic amyotrophy J M S Pearce
- 441 Gabriel Anton's (1858–1933) contribution to the history of neurosurgery E Kumbier, K Haack

.....

# **Neurological** picture

367 Giant calcified chronic subdural haematoma: a long term complication of shunted hydrocephalus X S He, X Zhang

......

#### Miscellanea

342 Echo

