Editorial
135 Transcranial Doppler ultrasound H S Markus

Editorial commentaries
138 Benign multiple sclerosis A J Thompson
139 Clinical and magnetic resonance imaging heterogeneity in multiple sclerosis D H Miller
140 What basal forebrain lesions cause amnesia? A R Mayes

Review
141 Jaws: diversities of gnathological history and temporomandibular joint enterprise D A Nelson, W M Landau

Papers
153 Clinical and MRI study of brain stem and cerebellar involvement in Japanese patients with multiple sclerosis I Nakashima, K Fujihara, N Ohita, S Takase, Y Ioyama
158 Validation of Italian multiple sclerosis quality of life 54 questionnaire A Solari, G Filippini, L Mendoza, A Ghizzly, S Cifani, E Barbieri, S Baldini, A Salmaggi, L La Mantia, M Farinotti, D Caputo, P Mosconi
163 Basal forebrain amnesia: does the nucleus accumbens contribute to human memory? G Goldenberg, U Schuri, O Grömminger, U Arnold
169 When the left brain is not right the right brain may be left: report of personal experience of occipital hemianopia M Cole
180 Hyperreflexia in Guillain-Barré syndrome: relation with acute motor axonal neuropathy and anti-GM1 antibody S Kunisaba, K Ogawa, M Koga, M Mori, T Hattori, N Yuki
185 Detection of meningeal fibrosis after subarachnoid haemorrhage by assaying procollagen propeptides in cerebrospinal fluid J Sajanti, K Majamaa
189 111Tl-metiodobenzylguanidine myocardial scintigraphy in Parkinson’s disease S Orino, E Ozawa, S Nakade, T Sugimoto, H Mizusawa
195 Mutations producing premature termination of translation and an amino acid substitution in the steroid 27-hydroxylase gene cause cerebrotendinous xanthomatosis associated with parkinsonism N Wakahatsu, M Hayashi, H Kawai, H Kondo, Y Gotoda, Y Nishida, R Kondo, S Tsuji, T Matsumoto

Short reports
199 Regulation of parkinsonian speech volume: the effect of interlocuter distance A K Ho, R Iansek, J L Bradshaw
203 Association of the APOE e4 allele with disease activity in multiple sclerosis N Evangelou, M Jackson, D Beeson, J Palace
206 Bilateral ballism in a patient with overlapping Fisher’s and Guillain-Barré syndromes M Odaka, N Yuki, K Hirata
214 Extrapyramidal involvement in amyotrophic lateral sclerosis: backward falls and retropulsion J Desai, M Sward
217 A family with pseudodominant Friedreich’s ataxia showing marked variation of phenotype between affected siblings S Webb, K Doudney, M Pooh, S Chamberlain, M Hutchinson
220 Continuous haemodynamic monitoring in an unusual case of swallow induced syncope K Doguchi, C J Mathias
223 Giant cell arteritis of the cervical radicular vessels presenting with diaphragmatic weakness E A Burton, J B Winer, P C Barber
227 Intracranial dural fistula as a cause of diffuse MR enhancement of the cervical spinal cord V Bousson, L Brunereau, K Vahedi, R Chapot
231 Epileptic psychoses and anticonvulsant drug treatment M Matsuiura
234 Clinical significance of intracranial developmental venous anomalies R Töpper, E Jürgens, J Reul, A Thron
Lesson of the month
243 Imaging and laboratory investigation in herpes simplex encephalitis M E Coren, R M Buchdahl, F M Cowan, P G Riches, K Miles, E J Thompson

Neurological pictures
246 A blinding headache and two black eyes N D Lawon, E F M Wijdicks, B R Younge
247 Chronic misuse of paint thinners M Komiyama, K Yamakawa
248 Multiple sclerosis associated with syringomyelia S Sogeju, G Sechi, M Pugliatti, P Valenti, G Rosati, A Achene, M Conti

Letters to the editor
249 Pseudotumour after arteriovenous malformation embolisation C D Kollar, I H Johnston
250 False negative polymerase chain reaction on cerebrospinal fluid samples in tuberculous meningitis established by culture M Melzer, T J Brown, J Flood, S Lacey, L R Bagg
250 False negative polymerase chain reaction on cerebrospinal fluid samples in tuberculous meningitis D M Gascony-Birns, P M Hawkey
250 A novel mutation of the myelin P gene segregating Charcot-Marie-Tooth disease type 1B manifesting as trigeminal nerve thickening M Shiizuka, Y Ikehda, M Watanabe, K Okamoto, M Shiaji, T Ikagaami, K Hayasaka

251 Intracranial extracerebral follicular lymphoma mimicking a sphenoid wing meningioma D J Hodgson, K M David, M Powell, J L Holton, P Pezzella
252 Determinants of the copper concentration in cerebrospinal fluid H Joergstuerenberg, M Oechner, S Schroeder, K Kunze
253 Solitary intracranial myofibroma in a child C B O'Sulllackeain, C Marks, D Ryder, C Koehane, M J O'Sullivan
254 Axonal polyneuropathy and encephalopathy in a patient with verotoxin producing Escherichia coli (VTEC) infection R Sakabara, T Hattori, K Mizobuchi, S Kurabayara, M Ogawa
255 Crying spells as symptoms of a transient ischaemic attack M F Mendez, Y L Bronstein
255 Continuous drop type of orthostatic hypotension T Yokota, K Mitani, Y Saito, T Oniki, M Hayashi

Correspondence
260 Idiopathic cerebellar ataxia associated with celiac disease: lack of distinctive neurological features M Hadjivassiliou, R A Grimeswal, G A B Davies-Jones. Reply by M T Pellechcia, R Scala, A Fillia, G de Micheile, P Barone
260 Procarbamide for faecal incontinence in myotonic dystrophy G Pelliccioni, O Scarpino, V Piloni
260 Flail arm syndrome or Vulpian-Bernhart's form of amyotrophic lateral sclerosis J Gamez, C Cerere, A S Codina
260 Pain after whiplash R Ferrari

Book reviews
260 Proceedings of the Association of British Neurologists, University of Southampton, 24–26 March 1999

Historical note
230 A note on the use of botulinum toxin J M S Pearce

Neurological stamp
137 Sir William Osler (1849-1919) L F Haas