and one control (0-9%) had a positive result on immunoblot assay (NS between groups). Positive results in the control and positive patients with multiple sclerosis were not related.

How our patients have been contaminated is uncertain. They had normal liver tests. They had not received blood transfusions, they were not intravenous drug users, or healthcare workers, and they did not have tattoos. Thus we could not determine if the suspected period of contamination by the virus followed or preceded the onset of multiple sclerosis.

In conclusion, the prevalence of anti HCV antibodies is not higher in our population of patients with multiple sclerosis than in our controls, and in the general population in France (0-8% v 0-29% in blood donors and 0-87% in organ donors), and our results do not support a role for hepatitis C virus in the pathogenesis of multiple sclerosis.

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MATTERS ARISING

Epidemiology of schizophrenia

Cannon and Jones are to be congratulated for their thorough and scholarly review on the epidemiology of schizophrenia. However, they do not do justice to the literature on immigrant groups and in particular that concerning “British Asians”—that is, migrants to Britain from the Indian subcontinent and their descendants.

They quote one study in support of their assertion that an increased incidence of schizophrenia has been reported from this group. However, this study is concentrated in one particular district of London; British Asians have settled in many districts of London and in most provincial cities, now constitute about half of all ethnic minorities (1.5 million people in the 1991 census), and represent a multiplicity of cultures, languages, and countries of origin. The quoted study concerns only one small fraction of this population and involves only a very few Asian cases. It has been the subject of a considerable body of criticism in subsequent issues of the BMJ. Given the heterogeneity of this population and the limitations of much of the research, firm conclusions on the subject are some way off. But a review of schizophrenia in British Asians concludes that studies carried out soon after the migration showed an excess, whereas more recent surveys have indicated a rate close to or below that of the rest of the population. The early excess may be due to the effects of the virus, or haemorrhage or haemosiderosis.

Thus this view held sway for so long is perhaps because these lesions are rare and an appreciation of their epidemiology and natural history can only be determined by the aggregation of information from controls drawn from different sources. However, it has gradually become clear that these lesions are much more sinister than our earlier complacent view had led us to believe. They have a significant risk of haemorrhage, have serious compressive neurological sequelae, and may also present with thromboembolic complications. Most patients do not survive for more than a few years, usually dying from either haemorrhage or brain ischaemia. Similarly because of their relative infrequency, it is often difficult for individual surgeons to develop the necessary expertise in dealing with these formidable lesions.

The neurosurgeon with an “average” general neurological practice may thus be presented with considerable problems in deciding the best management options. In the initial flurry of enthusiasm which greeted the beginnings of endovascular treatment it was felt that this may perhaps represent the best answer for these lesions, but the results have on the whole been disappointing and in many cases it has not proved possible to deal with them by indirect means. Surgical repair remains an important part of the armamentarium. This volume sets down in considerable detail the current “best practice” for the management of giant intracranial aneurysms. For British readers the “inspirational dedication” may be rather hard to take but the individual papers contained within the volume are useful and are usually clearly illustrated with angiograms, MRI, and diagrammatic representations. The book represents a useful addition to the volumes already produced by the American Association of Neurological Surgeons. The AANS publications committee are to be congratulated on the generally high standard of presentation, illustration, and content of their publications. The book is highly recommended to those who have an interest in intracranial vascular disease.

DAVID HARDY

BOOK REVIEWS


In this second edition, van der Knaap and Valk have collated information on all the central nervous system disorders that affect myelin; so, this is definitely not just a book on multiple sclerosis. The 64 main chapters (some no more than a couple of paragraphs) describe individual conditions, syndromes and groups of white matter disor-
VOLUMES 60 and 61 · ASSESSORS

The Editor is grateful to the following, who assisted in the assessment of papers during the past year.

J A Aarli
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F Barkhof
D Barlow
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L L Bieber
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E Bisach
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J B Bogousslavsky
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I A Bone
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D Bowsher
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J L Bradshaw
T Brady
T Brandt
A Brice
P K Bridges
T Britton
M J Brodie
D J Brooks
N Brooks
M M Brown
P Brown
R Brown
R G Brown
D A Bruce
J C M Brust
R P M Bruyn
C Bucknall
H Budka
M R Bullock
P Burgess
A S Burns
G Bydder
J Byrne
D B Calne
M J Campbell
R Campbell
L R Caplan
F Cardoso
T A Carpenter
A Carrington
N E Cartlage
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U Castiello
J Catalan
J B Cavanagh
J Cervos-Navarro
D W Chadwick
O Chadwick
R M Chalmers
J Chambers
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V Chaudhury
J A Child
P Chiodini
K Chong
H C Chui
L Cipolotti
M Clanet
J B Clark
G M Cleator
F Cohadon
L Cohen
J G Colebatch
J Collinge
J Collins
G Comi
D A S Compston
J E Compston
P Cook
H Cope
D R Corblath
H B Coster
A Cowey
T Cox
T J Crawford
H Crook
E M R Critchley
H A Crockard
L S Culkin
W J K Cumming
J L Cummins
M Czosnyka
K R Daffner
M C Dalakas
J D Dalmau
J C Dalrymple-Alford
M Dam
S Daniel

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K E Davies
G A B Davies-Jones
C H Davis
M Dearden
C S de Carlo
G de la Meuliere
N de Tribolet
O H Del Brutto
D Delpy
P Delwaide
M Dennis
A G De Volder
J Dichgans
J P R Dick
D Di Donato
S DiMauro
R J Dolan
M Donaghy
W N Dorsch
R L Doty
V Dousset
D B Drachman
V Dubowitz
O Dulac
J D Duncan
J S Duncan
R C Duvoisin
P J Dyck
R A J Eady
J D Easton
G C Ebers
G Edan
S G M Edwards
A Eisen
H M Eisenberg
P Eldridge
A Ellis
C C J Ellis
J S Elston
R D C Elmes
T E Erkinjuntti
M Esiri
B Evans
J Evans
I P Everall
B Evertt
M Fardeau
M Farrington
D T Fearon
T E Feasby
A Fentnstein
A H Fensom
R E Ferner
M Fernside
G P Findlay
L J Findley
J L Firth
D Fish
R A Fishman
S Fleminger
P Fletcher
F Polli
J Foong
J Ford
A C Fowler
N Fox
R S J Frackowiak
D A Francis
P T Francis
G Franck
C E L Freer
C D Frith
F J Gabreels
C Gabriel
D Gadian
G P Gajdos
J C Garcia-Moncado
J S Garfield
D H Geschwind
W Gibb
J Gill

L Ginsberg
F Giuibilei
J D Glass
K G Go
P Goasby
C G Gootz
L Golden
G M Goodwin
I Goodyear
D J Graham
E M Graham
G D Graham
R Grant
P Grasby
P R Graus
M Greaves
E J Greenlee
R Greenwood
N Gregson
P J Grifths
W Grisold
R Grossman
D J Grundy
E P Guazzz
R W Gullan
C Guilleminault
R J Guilfo
D M Hadley
P Hagard
A P Had
M Hallert
P W Halligan
G M Halmagyi
S Hammans
R J Hardie
A E Harding
D G Hardy
W Harkness
C Harper
M J G Harrison
A Hartmann
H-P Hartung
C P Hawkins
R J Hay
R Hayward
J Head
K M Heilman
O Heiskanen
V Henn
M Hennertico
J Henry
J Herbert
J R Heron
A G Herzog
D Hilton-Jones
A D Hockley
J R Hodges
S V Hodgson
H Hoogenhaver
R Hohfeld
G E Holder
G Holmgren
O R Hommes
A P Hopkins
A House
R Howard
R Howard
P Howell
K Hughan
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P J Hutchinson
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VOLUMES 60 and 61 · REVIEWERS

The Editor is grateful to the following for reviewing books in 1996.

C Allen
R Aylward
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S Boniface
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P Lantos
R Macfarlane

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A Salt
P Sanders
M Sanders
N Scolding
S Shorvon
J Sussman
T Walls
Author Index

Tardieu M, 52
Tansy D, 119 (C)
Tashiro K, 204 (C)
Tassinari CA, 471
Taylor C, 539
Teasdale G, 547 (P)
Tempero J, 653 (C)
Ter Meulen V, 339
Terzoli E, 409
Testa G, 601
Thomas AM, 649
Thomas DJ, 222 (P)
Thomas P, 456
Thompson PK, 214 (P), 529 (C)
Thompson AM, 546 (P)
Thompson PD, 205 (C), 645
Thorpe JW, 208 (C), 314
Thorsell A, 352
Tibbs RE Jr, 547 (P)
Tigges M, 211 (C)
Timmerman V, 535 (C)
Timothy J, 209 (C)
Tintore M, 418 (C)
Tofts PS, 357
Tolmie JL, 616
Tominaga M, 506
Tonali P, 641
Tore C, 103
Toscano G, 424 (C)
Tosin C, 601
Tournier-Lasserve E, 655 (C)
Trabucchi M, 157
Trepel M, 531 (C)
Trimble MR, 538 (P)

Troost D, 429 (C)
Tie VCK, 549 (P)
Tsujii S, 113 (C)
Tsutsui S, 99
Tubridy N, 223 (P)
Tuutti P, 523
Turnbull OM, 210 (C)
Twinstra A, 321

Ueda Y, 420 (C)
Uncini A, 528 (C)
Ushiyama M, 99

Valantine L, 478
Valentine A, 529 (C)
van Aalst VC, 321
van Breukelen G, 535 (C)
Vandenberghe A, 535 (C)
van de Pol M, 321
van Loo C, 339
van Vugt P, 510
Varolo A, 653 (C)
Varmus AH, 221 (P)
Vecht J, 649
Verm M, 36
Vestergaard B, 339
Vhoto S, 229 (P)
Vlaard P, 535 (C)
Vierregge P, 116 (C), 518
Visswanathan R, 564
Volpe B, 318
Volpi L, 471

Volpe R, 632
Vrankovic D, 654 (C)
Wachter H, 211 (C)
Wade DT, 242 (R)
Waite JC, 456
Walker MC, 226 (P)
Wall J, 211 (C)
Wallin A, 352
Ward CD, 215 (P)
Watts C, 549 (P)
Watts F, 217 (P)
Weber S, 222 (P)
Weber T, 339
Wells C, 157
Weller M, 531 (C)
Wenzel R, 172
Wharton SB, 461
White KD, 369
Whitehead AS, 347
Whiteley A, 419 (C)
Whitfield PC, 550 (P)
Whittle HR, 564
Wiert L, 265
Wijdtkes H, 304
Wierse M, 82
Wiedlitz G, 518
Wiersema JP, 654 (C)
Wiesmann UC, 357
Wijker W, 70
Wiles CM, 96
Williams ES, 121 (C)
Williams TL, 221 (P)
Willison HJ, 649
Wilmink JT, 321
Winer JB, 215 (P), 362
Winters C, 209 (C)
Winser J, 172
Wright A, 543 (P)
Wuollek ZK, 518

Xue P, 279
Xuereb J, 388
Yamami T, 113 (C)
Yamamoto T, 138
Yamamoto Y, 18
Yamashita A, 118 (C)
Yamashita M, 138
Yamatsu H, 18
Yanagisawa N, 99
Yang C, 279
Yazawa M, 99
Yeung M, 445
Yokota T, 596
Yonekura Y, 18
Yoshida K, 166
Yoshinaga J, 207 (C)
Yoshino A, 596
Yousry TA, 632
Yuceyar N, 491
Zajicek J, 218 (P)
Zeman AZJ, 216 (P)
Zenn R, 652 (C)
Zentner J, 423 (C)
Zimmer E, 518
Zur Nedden D, 521
Absence status epilepticus, Non-convulsive status epilepticus 93
Absorbable gelatin sponge, Local application of antimycotics in mucormycosis cerebri 521
Accident and emergency departments, Week in casualty 226
ACE inhibitors, Improvement of neurophysiological measures of nerve function with the ACE inhibitor, lisinopril in insulin dependent diabetics with peripheral neuropathy 223
Acetylcholinase inhibitor, Cholinesterase inhibition in Parkinson’s disease 324
Acetylcholine receptor, Possible distinct pathogenesis in low responder myasthenia gravis 207
Acetylcholine receptor mRNA, Acetylcholine receptor mRNA in human extracellular muscles and their susceptibility to myasthenia gravis 222
Acoustic neuroma, Depression after surgery for acoustic neuroma 403
Acromegaly, Transphenoidal surgery for acromegaly 233
Action, Possible central mode of action of β-interferon in multiple sclerosis 214
Action tremor, Thalamic stimulation for severe action tremor after lesion of the superior cerebellar peduncle 234
Activated protein C cofactor, Cerebral venous sinus thrombosis associated with factor V gene mutation 204
Activated protein C resistance, Cerebral venous sinus thrombosis associated with factor V gene mutation 204
Acute pandysautonomia, Acute pandysautonomia 99
Acute stroke trials, Should patients with visible infarction on admission CT be excluded from acute stroke trials? 217
Adhesion molecules, Endothelial cell activation and/or damage in rheumatoid arthritis peripheral neuropathy 223
Adrenaline, Basis for behavioural disturbances in dementia 127
Adrenomyeloneuropathy, Nerve conduction studies in adrenoleuoneuropathy 181
Adults, Electrophysiological features of idiopathic generalised epilepsy persisting absences in adult life 471
Afrid, Chronic inflammatory demyelinating polyneuropathy with multifocal CNS demyelination in an Afrid 529
Agenesis, Bilateral internal carotid artery agenesis 206
Age related myopathy, Paravertebral muscles in disease of the cervical spine 461
Agraphia, Progressive biparietal atrophy 388
Aicardi ataxia, Second report of Aicardi ataxia confirming autosomal recessive (AR) inheritance 225
AIDS, Acute lumbosacral polyradiculopathy due to cytomegalovirus in advanced HIV disease 456
Association between HIV distal symmetric polyneuropathy and mycobacterium avium complex infection 606
Alcohol induced rebound thrombocytosis, Platelets, alcohol consumption, and onset of brain infarction 376
Alexia without agraphia, Alexia without agraphia in multiple sclerosis 528
Allelic association, CYP2D6 allele is not overrepresented in a population of German patients with idiopathic Parkinson’s disease 518
Alzheimer’s disease, Apolipoprotein E 580
Apolipoprotein E allele e4 does not correlate with the number of senile plaques or neurofibrillary tangles in patients with Alzheimer’s disease 352
Apolipoprotein E polymorphism and late onset Alzheimer’s disease in Argentina 426
Familial Alzheimer’s disease 218
Neurite growth inhibitory molecules in Alzheimer’s disease brain 222
Neuropsychological and psychiatric differences between Alzheimer’s disease and Parkinson’s disease with dementia 381
New methodology for atrophy measurement that identifies early Alzheimer’s disease 218
Progressive biparietal atrophy 388
Amanitadine hydrochloride, Amanitadine hydrochloride treatment in heredodegenerative ataxias 259
Amnesia, Flight of fantasy 652
Memory without context 186
Amnesia by the seaside, Amnesia by the seaside revisited 223
AMPA receptors, AMPA receptor subunits and selective vulnerability of motor neurons to glutamate neurotoxicity 221
Amyotrophic lateral sclerosis, Cu/Zn superoxide dismutase gene mutations in amyotrophic lateral sclerosis 565
Double cortical stimulation in amyotrophic lateral sclerosis 596
Neuroepidemiology of amyotrophic lateral sclerosis 131
Neuropsychological investigation of amyotrophic lateral sclerosis (ALS) 543
Patterns of inheritance in United Kingdom families with amyotrophic lateral sclerosis 536
Prevalence and correlates of neuropsychological deficits in amyotrophic lateral sclerosis 450
Amytal, Correlative study of regional amyal distribution and cerebral blood flow during the Wada test using a double dose SPECT technique 222
Aneurysmal subarachnoid haemorrhage, Prospective audit of aneurysmal subarachnoid haemorrhage comparing early and late surgery 552
Aneurysm surgery, Delayed aneurysm surgery 230
Intraoperative hypothermic protection during aneurysm surgery 553
Aneurysm surgery, Timing of aneurysm surgery in elderly patients 553
Angioplasty, Remodelling after carotid angioplasty 217
Ankylosing spondylitis, Arrested progression of the cauda equina syndrome of ankylosing spondylitis after lumbarperitoneal shunting 115
Anosognosia, Hatred of the hemiparetic limbs (misophsiega) in a 10 year old child 210
Two domains of anosognosia in Alzheimer’s disease 485
Anti-CV2 autoantibodies, Antibodies to a subpopulation of glial cells and a 66 kDa developmental protein in patients with paramyxo-like neurological syndromes 270
Antidepressants, Non-selective (amitryptilinyne), but not a selective (citalopram), serotonin reuptake inhibitor is effective in the prophylactic treatment of chronic tension-type headache 285
Antiendothelial cell antibodies, Endothelial cell activation and/or damage in rheumatoid arthritis peripheral neuropathy 223
Antigliadin antibodies, Antigliadin antibodies and neuronal disease 542
Antimyelin associated glycoprotein antibodies, Chronic demyelinating polyneuropathy 36
Antineutrophilic cytoplasmic antibody, Antineutrophil cytoplasmic antibodies and the optic-spinal form of multiple sclerosis in Japan 203
Aphasia, Defective imitation of gestures in patients with damage in the left or right hemispheres 176
Apolipoprotein E, Apolipoprotein E allele e4 does not correlate with the number of senile plaques or neurofibrillary tangles in patients with Alzheimer’s disease 352
Apolipoprotein E 580
Apolipoprotein E4, Frequency of the apolipoprotein E4 allele in a case-control study of early onset Parkinson’s disease 347
Apolipoprotein E polymorphism, Apolipoprotein E polymorphism and late onset Alzheimer’s disease in Argentina 426
Apraxia, Defective imitation of gestures in patients with damage in the left or right hemispheres 176
Progressive biparietal atrophy 388
Arachnoid cyst, Arachnoid cyst of the middle cranial fossa, disclosed by bleeding 444
Arousal, Malignant distress on eye contact after severe head injury 114
Arteriosclerotic Parkinsonism, Arteriosclerotic Parkinsonism 537
Assessment, Clinical outcome assessment in multiple sclerosis trials 217
Ataxia, Inherited ataxias and the new genetics 327
Ataxia-oculomotor apraxia syndrome, Second report of ataxia ataxia confirming autosomal recessive (AR) inheritance 225
Atrophic retinal lesions, Congenital cerebellar ataxia, mental retardation, and atrophic retinal lesions in two brothers 424
Brain atrophy, New methodology for atrophy measurement that identifies early Alzheimer’s disease 218
Brain herniation, Acute intraoperative brain herniation during elective neurosurgery 584
Brain metastasis, Brain metastases from an unknown primary tumour 321
Brain stem
Bilateral total deafness due to pontine haematoma 628
Voluntary facial palsy with a pontine lesion 531
Brain stem auditory evoked potentials, Pure word deafness after resection of a teat plate glioma with preservation of wave V of brain stem auditory evoked potentials 623
Brainstem auditory evoked responses, Slowing of central conduction in X-linked Charcot-Marie-Tooth neuropathy shown by brain stem auditory evoked responses 43
Brain stem ischaemia, Coma due to brain stem ischaemia 540
Bulbospinal neuropathy, Familial bulbospinal neuropathy with optic atrophy 196

Cadasil, Clinical spectrum of Cadasil 220
Caeruloplasmin
Hereditary caeruloplasmin deficiency 506
Hereditary deficiency of ferrooxidase (aka caeruloplasmin) 431
(CAG), repeat, Huntington’s disease 625
CAG repeat expansion, Sporadic case of dentatorubral pallidoluysian atrophy (DRPLA) with CAG repeat expansion but no clinical abnormalities in the father 113
Calcification, Calcification of the substantia nigra in a patient with an akinetic rigid syndrome 112
Calcium, Intravenous activated calcium flux in peripheral blood lymphocytes from patients with primary and secondary progressive multiple sclerosis 515
Camino pressure monitor, Systematic overestimation of intracranial pressure measured using a Camino pressure monitor 427
CAMPYLOBACTER JEJUNI, Experimental Campylobacter jejuni infection in the chicken 279

Capsular genu, Memory without context 186
Carbamazepine, Phenotypic and genotypic analysis of patients with carbamazepine hypersensitivity 222
Cardiac arrest, Early prognosis in coma after cardiac arrest 610
Cardiac autonomic regulation, Cardiac autonomic regulation during sleep in panic disorder 421
Cardiovascular responses, Differences in cardiovascular responses to supine exercise and to standing after exercise in two clinical subgroups of Shy-Drager syndrome (multiple system atrophy) 297
Carnitine, Valproate induced encephalopathy treated with carnitine in an adult 211
Carotid angioplasty, Remodelling after carotid angioplasty 217
Carotid artery, Bilateral internal carotid artery agenesis 206
Carotid percutaneous transluminal angioplasty, Remodelling after carotid angioplasty 217
Case control study
Case control study of Leber’s hereditary optic neuropathy 218
Frequency of the apolipoprotein E e4 allele in a case-control study of early onset Parkinson’s disease 347
Case mix, Effect of correcting outcome data for case mix after stroke 217
Cauda equina, Neurothekeoma of the cauda equina 530
Cauda equina syndrome, Arrested progression of the cauda equina syndrome of ankylosing spondylitis after lumboperitoneal shunting 115
Cauda equina syndromes, Conus medullaris and cauda equina syndromes 216
Causes, Simple partial status epilepticus 90
Cavernous sinus, Management of meningiomas of the cavernous sinus 231
Central, From thalamic syndrome to central poststroke pain 560
Central core disease, Should patients with central core disease be screened for malignant hyperthermia? 119
Central pain, Central pain 62
Central pontine myelinolysis, Persistence of MRI changes in central pontine myelinolysis 579
Cerebellar ataxia, Brain MRI, lumbar CSF monoamine concentrations, and clinical descriptors of patients with spinocerebellar ataxia mutations 591
Cerebellar peduncle, Pathway possibly responsible for the occurrence of isolated lateropulsion of the trunk 555
Cerebellum, Isolated dystarthisia caused by a right paravermal infarction 205
Cerebral atrophy, Cerebral atrophy in multiple sclerosis 219
Cerebral blood flow, Dynamics of cerebral blood flow and metabolism in patients with cri-nioplasty as evaluated by 153Xe CT and 13P magnetic resonance spectroscopy 166
Inflammatory cytokines in CSF in bacterial meningitis 57
Regional cerebral blood flow during the Wada test 216
Cerebral haemodynamics, Assessment of cerebral haemodynamics using spatially resolved spectroscopy 554
Cerebral infarction, Magnetic resonance imaging in Avellini’s syndrome 17
Platelet, alcohol consumption, and onset of brain infarction 376
Cerebral ischaemia, Diffusion weighted MRI and MR proton spectroscopy are more sensitive than conventional MRI to cerebral ischaemia 222
Transcranial Doppler ultrasonography in the detection of venous to arterial shunting in acute stroke and transient ischaemic attacks 445
Cerebral lacunae, Special form of cerebral lacunae 200
Cerebral metabolism, Dynamics of cerebral blood flow and metabolism in patients with cri-nioplasty as evaluated by 153Xe CT and 13P magnetic resonance spectroscopy 166
Cerebral palsy, Congenital unilateral perisylvian syndrome 52
Cerebral segmental angiitis, Special form of cerebral lacunae 200
Cerebral vasospasm, Endothelins in cerebral vasospasm 553
Cerebral venous thrombosis, Cerebral venous sinus thrombosis associated with factor V gene mutation 204
Cerebrospinal fluid pressure, Lumbar cerebrospinal fluid pressure monitoring using the new codman microsensor 554
Cerebrospinal fluid rhinorrhoea, Endoscopic management of cerebrospinal fluid rhinorrhoea 234
Cerebrotendinous xanthomatosis, Patient with cerebrotendinous xanthomatosis, palatal tremor, and hypertrophied olives 540
Cerebrovascular disease, Evidence of misry perfusion and risk for recurrent stroke in major cerebral arterial occlusive diseases from PET 18
Isolated dysarthria caused by a right paravascular infarction 206
Cerebrovascular reactivity, Correlation between slow waves in intracranial and arterial pressure 554
Cerebral spine disease, Paravertebral muscles in disease of the cervical spine 461
Chiaral malformation, Pathophysiology of Chiaral malformation in relation to syringomyelia 552
Childhood craniofaryngioma, Can the morbidity for the surgical management of childhood craniofaryngioma be predicted? 227
2-chlorodeoxyadensine, Local application of antimycotics in mucormycosis cerebri 521
Chromosome 1, Familial Alzheimer's disease 218
Chromosome 19p, Familial hemiplegic migraine in the west of Scotland 616
Chronic idiopathic demyelinating polyneuropathy, Massive nerve root enlargement in chronic inflammatory demyelinating polyneuropathy 232
Chronic inflammatory demyelinating neuropathy, Isolation and characterisation of T lymphocytes from sural nerve biopsies in patients with Guillain-Barre syndrome and chronic inflammatory demyelinating polyneuropathy 362
Chronic inflammatory demyelinating polyneuropathy, Chronic inflammatory demyelinating polyneuropathy with multifocal CNS demyelination in an Aired 529
Clinical
Central nervous system sarcoidosis 218
Conus medullaris and cauda equina syndromes 216
Clinical directorship, Is the present model of clinical directorship in the neuroscience acceptable? 229
Clinical features, Relations between genotype and phenotype in German patients with the Machado-Joseph disease mutation 466
Clinically isolated syndromes, Prognostic significance of brain MRI in clinically isolated syndromes suggestive of demyelina-
tion 214
Codon 200 mutation, Codon 200 mutation in a new family of Chilean origin with Creutzfeldt-Jakob disease 111
Cognitive decline, Apolipoprotein E 580
Cognitive deficits, Pathophysiological basis of cognitive impair-
ment in Parkinson's disease changes with disease chronicity 220
Cognitive impairment, Evolution of cognitive impairment in Parkinson’s disease 537
Cognitive performance, Cognitive impairment after acute encephalitis 478
Community, Neurology in the community 215
Complex partial status epilepticus, Non-convulsive status epilepticus 93
Compulsive writing, Increased writing activity in neurological conditions 510
Computed tomography, Changes in cerebral tissue perfusion during the first 48 hours of ischaemic stroke 26
Evidence of misery perfusion and risk for recurrent stroke in major cerebral arterial occlusive diseases from PET 18
Should patients with visible infarction on admission CT be excluded from acute stroke trials? 217
Conduction block, Chronic autoimmune demyelinating polyneu-
ropathy 36
Confabulation, Flight of fantasy 652
Memory without context 186
Congenital cerebellar ataxia, Congenital cerebellar ataxia, mental retardation, and atrophic retinal lesions in two brothers 424
Consultant neurologists, How many neurologists do we need in the United Kingdom? 212
Context memory, Memory without context 186
Conus medullaris, Conus medullaris and cauda equina syndromes 216
Cortical Lewy body disease, Fluctuating neuropsychology in cor-
tical Lewy body disease 538
Cortical pathology, Structural and functional changes in patients with motor neuron disease 234
Cortico-basal degeneration, Experimental study of dyspraxia and alien limb 216
Corticosteroids, Case of intracranial plasma cell granuloma suc-
cessfully treated with corticosteroids 223
Cranial meningiomas, Value of preoperative embolisation of cranial meningiomas 229
Craniomaxillofacial trauma, Early combined treatment of com-
plex craniomaxillofacial trauma 232
Cranioplasty, Dynamics of cerebral blood flow and metabolism in patients with cri-nioplasty as evaluated by 153Xe CT and 13P magnetic resonance spectroscopy 166
Creutzfeldt-Jakob disease, Creutzfeldt-Jakob disease in Austria 139
Differential diagnosis and diagnostic clinical features of Creutzfeldt-Jakob disease 539
Increased serum neopterin concentrations in a patient with Creutzfeldt-Jakob disease 211
CT, Should patients with visible infarction on admission CT be excluded from acute stroke trials? 217
Cushing's disease, Reoperative transphenoidal surgery for Cushing’s disease 233
Cu/Zn superoxide dismutase, Cu/Zn superoxide dismutase gene mutations in amyotrophic lateral sclerosis 565
Cyst, Obstructive hydrocephalus due to benign cysts of the thala-
mus 203
Cytochrome-P4501A2, Cytochrome-P4501A2 abnormalities in Parkinson’s disease 225
Cytokine, Transient neurological deterioration associated with cytokine release induced by lymphocyte depletion immunother-
apy in multiple sclerosis 214
Cytokines, Inflammatory cytokines in CSF in bacterial meningitis 57
Cytemegalovirus, Acute lumbosacral polyradiculopathy due to cytomegalovirus in advanced HIV disease 456
Deafness, Bilateral total deafness due to pontine haematomyelia 628
Debrisoquine 4-hydroxylase, CY2D6B allele is not overrepre-
sented in a population of German patients with idiopathic Parkinson’s disease 515
Degenerative cortical brain disease, Heterogeneity in degenera-
tive cortical brain disease 543
Deletion, Hereditary neuropathy with liability to pressure palsies with a partial deletion of the region often duplicated in Charcot-
Marie-Tooth disease, type 1A 535
Dementia
Basis for behavioural disturbances in dementia 127
Hereditary caeruloplasmin deficiency 506
Neuropsychological and psychiatric differences between Alzheimer’s disease and Parkinson’s disease with dementia 381
Progressive dementing and slowly progressive atrophy 388
Structural and functional changes in patients with motor neuron disease 234
Two domains of anosognosia in Alzheimer’s disease 485
Demyelinating polyneuropathy, Cognitive dysimmune demyelinating polyneuropathy 36
Demyelination, Decreased magnetisation transfer ratio due to demyelination 208
Dentatorubral pallidolysian atrophy, Sporadic case of dentatorubral pallidolysian atrophy (DRPLA) with CAG repeat expansion but no clinical abnormalities in the father 113
Depression, Apolipoprotein E 580
Depressive disorders, Depression after surgery for acoustic neuroma 403
Diabetes insipidus, Central diabetes insipidus 325
Diabetes mellitus, Hereditary caeruloplasmin deficiency 506
Improvement of neurophysiological measures of nerve function with the ACE inhibitor, lisinopril in insulin dependent diabetics with peripheral neuropathy 223
Paired transcranial magnetic stimulation using short interstimulus intervals in patients with multiple sclerosis 223
Diagnostic evaluation, Brain metastases from an unknown primary tumour 321
Diffuse neurofibriary tangles with calcification, Diffuse neurofibrillary tangles with calcification in a non-demented woman 116
Disability, Epidemiology of disabling neurological disease 242
Disartria, Isolated dysarthria caused by a right paravermal infarction 205
Disease course, Variation between observers in classifying multiple sclerosis 418
Dorsal medullary tumour, Orthostatic hypotension caused by a localised dorsal medullary tumour 118
Dostoevsky’s epilepsy, Dostoevsky’s epilepsy induced by television 653
Double blind trial, Randomised, double blind, placebo controlled trial of botulinum toxin in the treatment of spastic foot in hemiparetic patients 265
Double cortical stimulation, Double cortical stimulation in amyotrophic lateral sclerosis 596
Down’s syndrome, Olfactory function in young adolescents with Down’s syndrome 412
Duane’s syndrome, Duane’s syndrome 600
Dysphagia, Palatal and pharyngeal reflexes in health and in motor neuron disease 96
Dysphagia limit, Piecemeal deglutition and dysphagia limit in normal subjects and in patients with swallowing disorders 491
Dysplasia, Startle provoked epileptic seizures 151
Dyspraxia, Experimental study of dyspraxia and alien limb 216
Dystrophic axons, Atypical dopa responsive parkinsonism in a patient with megalencephaly, midbrain Lewy body disease, and some pathological features of Hallervorden-Spatz disease 523
Ecstatic epilepsy, Dostoevsky’s epilepsy induced by television 653
Electrical stimulation, Sensory deficits of a nerve root lesion can be objectively documented by somatosensory evoked potentials elicited by painful infrared laser stimulations 107
Electroencephalography, Early prognosis in coma after cardiac arrest 610
Electromyography, Electromyography of the serratus anterior and subscapularis muscles 117
Some reflections on approaching retirement 573
Encephalitis, Central diabetes insipidus 325
Cognitive impairment after acute encephalitis 478
Endothelin receptors, Characterisation of endothelin receptors in human brain tumours 545
Epidemiological, Epidemiological study of Guillain-Barré syndrome 215
Epidemiology, Creutzfeldt-Jakob disease in Austria 139
Epidemiology of disabling neurological disease 242
Epidemiology of stroke 333
Epidemiology of the epsilpes 433
How far are we in understanding the cause of Parkinson’s disease? 495
Incidence of intracranial tumours in the Lothian region of Scotland, 1989–90 143
Multiple sclerosis in the north Cambridgeshire districts of East Anglia 121
Neuroepidemiology of amyotrophic lateral sclerosis 131
Epidermal growth factor, Culture and preliminary characterisation of epidermal growth factor generated mouse CNS stem cells 550
Epilepsies, Epidemiology of the epilepsies 433
Epilepsy, Diffusion weighted MRI and MR proton spectroscopy are more sensitive than conventional MRI to cerebral ischaemia 222
Family with hereditary spastic paraparesis and epilepsy 222
Magnetic resonance imaging in epilepsy with a fast FLAIR sequence 357
Meta-analysis of the randomised placebo controlled add-on studies with gabapentin, lamotrigine, tiagabine, topiramate, vigabatrin, and zonisamide 216
Startle provoked epileptic seizures 151
Evoked potentials, Changes in spinal cord excitability in a patient with rhythmic segmental myoclonus 641
Exercise, Differences in cardiovascular responses to supine exercise and to standing after exercise in two clinical subgroups of Shy-Drager syndrome (multiple system atrophy) 297
External decompression, Dynamics of cerebral blood flow and metabolism in patients with cranioplasty as evaluated by 11C CT and 15F magnetic resonance spectroscopy 166
Extracranial muscle weakness, Acetylcholine receptor mRNA in human extracranial muscles and their susceptibility to myasthenia gravis 222
Extrapontine myelolysis, Extrapontine myelolysis 250
Possible distinct pathogenesis in low responder myasthenia gravis 208
Eye contact, Malignant distress on eye contact after severe head injury 114
Eye movements, Malignant distress on eye contact after severe head injury 112
Facial palsy, Voluntary facial palsy with a pontine lesion 531
Factor V mutation, Cerebral venous sinus thrombosis associated with factor V gene mutation 204
Failure of baroreflex arc, Orthostatic hypotension caused by a localised dorsal medullary tumour 118
Familial, Clinical spectrum of CADASIL 220
Familial Alzheimer’s disease, Familial Alzheimer’s disease 218
Familial Creutzfeldt-Jakob disease, Codon 200 mutation in a new family of Chilean origin with Creutzfeldt-Jakob disease 111
Familial hemiplegic migraine, Familial hemiplegic migraine in the west of Scotland 616
Fast fluid attenuated inversion recovery, Spinal cord MRI in multiple sclerosis with multicoll arrays 632
Fast spin echo, Spinal cord MRI in multiple sclerosis with multicoll arrays 632
Ferroxidase, Hereditary deficiency of ferroxidase (aka caeruloplasmin) 431
Fluid attenuated inversion recovery, Magnetic resonance imaging in epilepsy with a fast FLAIR sequence 357
Focal limb dystonia, Paroxysmal ocular tilt reaction and focal limb dystonia due to a mesodiencephalic lesion 542
Foot spasticity, Randomised, double blind, placebo controlled trial of botulinum toxin in the treatment of spastic foot in hemiparetic patients 265
Friedreich’s ataxia, Amantadine hydrochloride treatment in heredodegenerative ataxias 259
Frontal lobe, Imitation and utilisation behaviour 396
Increased writing activity in neurological conditions 510
Startle provoked epileptic seizures 151
Frontal lobe deficits, Flight of fantasy 652
Frontotemporal dementia, Brain atrophy in frontotemporal dementia 157
Immunohistochemistry provides a neuropathological classification of the causes of frontotemporal dementia 538
F waves, Reversible urinary retention as the main symptom in the first manifestation of a syringomyelia 407
Gadolinium enhancement, Magnetic resonance imaging changes with recombiant human interferon—a 251
Gag reflex, Palatal and pharyngeal reflexes in health and in motor neuron disease 96
Gait disorders, Disorders of gait 199
Gangliosides, Acute oropharyngeal palsy is associated with antibodies to GQ1b and GT1a gangliosides 649
Subject Index

Gelatinase, Increase in 92KDa gelatinase in serum is associated with clinical relapse in patients with multiple sclerosis 225

Genetic

Autosomal dominant Parkinson’s disease in three generations 221
Severe HMSN phenotype 214

Genetics

Familial bulboospinal neuronopathy with optic atrophy 196
Familial hemiplegic migraine in the west of Scotland 416
Inherited ataxias and the new genetics 327

Genotype, Cu/Zn superoxide dismutase gene mutations in amyotrophic lateral sclerosis 565

Gerstmann’s syndrome, Gerstmann’s syndrome 56

Glucose coma scale, Early prognosis in coma after cardiac arrest 610

Glial transplantation, Glial transplantation in the repair of demyelinated lesions 539

Glioma, Investigation into the expression of CD44 invasion related antigen in gliomas and its possible role in guiding resection 545

Glioblastoma, Differential effects of combinations of camptothecin derivatives and etoposide on glioblastoma and colon carcinoma 546

Glioma, Functional expression of a human tumour suppressor gene (p53) in rat glioma 549

Gliomas, Genetic differences between familial and sporadic gliomas 549

Glutamate excitotoxicity, Glutamate excitotoxicity is potentiated by non-lethal hypoxia in organotypic hippocampal slice cultures 548

Guarn, Neuroepidemiology of amyotrophic lateral sclerosis 131

Guillain-Barré syndrome

Acute oropharyngeal palsy is associated with antibodies to QG1b and GT1a gangliosides 649
Bilateral internal carotid artery agenesis 206
Epidemiological study of Guillain-Barré syndrome 215
Experimental Campylobacter jejuni infection in the chicken 279
Isolation and characterisation of T lymphocytes from sural nerve biopsies in patients with Guillain-Barré syndrome and chronic inflammatory demyelinating polyneuropathy 362
Isolation of T lymphocytes from nerve biopsy in Guillain-Barré syndrome 215

Gunshot wounds, Incidence and outcome of self inflicted gunshot wounds to the head in peace and war 654

Haemodynamics, Evidence of misery perfusion and risk for recurrent stroke in major cerebral arterial occlusive diseases from PET 18

Haemorrhage, Bilateral internal carotid artery agenesis 206

Hallerworden-Spatz disease, Atypical dopamine responsive parkinsonism in a patient with megalencephaly, midbrain Lewy body disease, and some pathological features of Hallerworden-Spatz disease 523

Head injury

Effects of a simple patient specific reminder on implementation of guidelines on head injury in accident and emergency departments 547
Emotional, neuropsychological, and organic factors 75
Head injury in the severely injured 231
Head injury prediction revisited 547
Is hypotraemia in acute head injury a significant secondary insult? 548
Malignant distress on eye contact after severe head injury 114
Plasma substitute diaspiron cross linked haemoglobin (DCLHB) reduces raised intracranial pressure in a rodent model of impact acceleration head injury 548
Raised plasma polyamine concentrations in patients with severe head injury 209

Hemifacial spasm, Hemifacial spasm 118

Hemiparetic limbs, Hatred of the hemiparetic limbs (misoplegia) in a 10 year old child 210

Hereditary caeruloplasmin deficiency, Hereditary caeruloplasmin deficiency 215

Hereditary/congenital myasthenia, Mutations within the genes encoding muscle acetylcholine receptor (AChR) in hereditary/congenital myasthenia 218

Hereditary motor and sensory neuropathy, Severe HMSN phenotype 214

Hereditary neuropathy, Hereditary neuropathy with liability to pressure palsies with a partial deletion of the region often duplicated in Charcot-Marie-Tooth disease, type 1A 535

Hereditary spastic paraparesis

Diffusion weighted MRI and MR proton spectroscopy are more sensitive than conventional MRI to cerebral ischaemia 222
Family with hereditary spastic paraparesis and epilepsy 222

Herpes encephalitis, Role of laboratory investigation in the diagnosis and management of patients with suspected herpes simplex encephalitis 339

Herpes simplex

Central diabetes insipidus 325
Cognitive impairment after acute encephalitis 478
Role of laboratory investigation in the diagnosis and management of patients with suspected herpes simplex encephalitis 339

Hippocampal formation, Brain atrophy in frontotemporal dementia 157

HIV

Acute lumbosacral polyradiculopathy due to cyromegalovirus in advanced HIV disease 456
Association between HIV distal symmetric polyneuropathy and mycobacterium avium complex infection 606

Home ventilation, Is chronic respiratory failure in neuromuscular diseases worth treating? 1

5-HT2 receptors, Receptor binding in Parkinson’s disease 225

Huntington’s disease

Comparison of different methods of embryonic tissue dissection used to obtain striatal tissue for intracerebral transplantation in the rat model of Huntington’s disease 549
Huntington’s disease 625
Neuropsychological stability over two years in asymptomatic carriers of the Huntington’s disease mutation 621

Hydrocephalus

Neuroendoscopy in the management of childhood hydrocephalus 228
Obstructive hydrocephalus due to benign cysts of the thalamus 203
Special form of cerebral lacunae 200

Hypergraphia, Increased writing activity in neurological conditions 510

Hyperperfusion, Reversible hyperperfusion of the right medial temporal lobe in transient global amnesia 654

Hypersensitivity, Phenotypic and genotypic analysis of patients with carbamazepine hypersensitivity 222

Hypertrophy, Malignant threshold is altered in hypertrophy 222

Hypoglycaemia, Case report of paroxysmal dystonic choreoathetosis due to hypoglycaemia induced by an insulinoma 194

Hyponatraemia

Extrapontine myelolysis 250
Possible distinct pathogenesis in low responder myasthenia gravis 208

Hyperalgesia

Hypothalamic hyperalgesia due to hypothalamic involvement in multiple sclerosis 419
Hypothalama in multiple sclerosis 369

Hypothermia

Hypotension due to hypothalamic involvement in multiple sclerosis 419
Hypothalama in multiple sclerosis 369

Idiopathic generalised epilepsy

Central benzodiazepine receptors in idiopathic generalised epilepsy and the effect of sodium valproate 542
Electrocortical features of idiopathic generalised epilepsy with persisting absences in adult life 471

Idiopathic Parkinson’s disease

CYP2D6B allele is not overrepresented in a population of German patients with idiopathic Parkinson’s disease 518
Differences in cardiovascular responses to supine exercise and to standing after exercise in two clinical subgroups of Shy-Drager syndrome (multiple system atrophy) 297
Differentiation of idiopathic Parkinson’s disease from multiple system atrophy 215

Idiopathic torsion dystonia, Widespread abnormalities of kinesia,thetics in focal idiopathic torsion dystonia 215

Imitation behaviour, Imitation and utilisation behaviour 396

Immunoglobulins, High dose intravenous immunoglobulin does not improve abnormalities in the blood-brain barrier during acute relapse of multiple sclerosis 418

Immunosuppression, Local application of antimycotics in mucormycosis cerebri 521
Variation between observers in classifying multiple sclerosis 418
Visual psychophysics and magnetic resonance imaging in secondary progressive multiple sclerosis 540
Multiple system atrophy, Differentiation of idiopathic Parkinson’s disease from multiple system atrophy 215
Muscle hypertrophy, Primary orthostatic tremor with prominent muscle hypertrophy 226
Muscle spindle, Widespread abnormalities of kinaesthesia in focal idiopathic torsion dystonia 215
Mutation analysis, Mutation analysis of neurofibrinomatosis 1 219
Mutations, Mutations within the genes encoding muscle acetylecholine receptor (ACHR) in hereditary/congenital myasthenia 218
Myasthenia gravis Acetylcholine receptor mRNA in human extracellular muscles and their susceptibility to myasthenia gravis 222
Genetically engineered human monoclonal antibodies in myasthenia gravis 218
Myasthenia gravis, thymoma, and nphritic syndrome 225
Possible distinct pathogenesis in low responder myasthenia gravis 222
Serum antibodies to botulinum toxin (BOT) detected by immunoprecipitation of 15I-BOT 224
Thymectomy for myasthenia gravis 224
Mycobacterium avium complex, Association between HIV distal symmetric polyneuropathy and mycobacterium avium complex infection 606
Myelopathy functional disability index Development of the myelopathy functional disability index 232
Myelopathy functional disability index 551
Myoclonus, Changes in spinal cord excitability in a patient with rhythmic segmental myoclonus 641
Near infrared spectroscopy Internal and external carotid contribution to near infrared spectroscopy (NIRS) during carotid endarterectomy (CE) 553
Non-invasive near infrared spectroscopy measurements of HbO2 correlated with dynamic microperfusion parameter values in non-traumatic hydrocephalic patients at drainage 554
Reliability of near infrared spectroscopy (NIRS) in the assessment of CO2 reactivity in patients with cerebrovascular disease 552
Transcutaneous detection of changes in oxyhaemoglobin concentration in response to internal carotid injections of radiocontrast media using near infrared spectroscopy 553
Nemaline myopathy, Nemaline myopathy 543
Neoplasms, Three cases of symptom change in Tourette’s syndrome and obsessive-compulsive disorder associated with paediatric cerebral malignancies 497
Neopterin, Increased serum neopterin concentrations in a patient with Creutzfeldt-Jakob disease 211
Nephrotic syndrome, Myasthenia gravis, thymoma, and nephrotic syndrome 223
Nerve conduction studies, Nerve conduction studies in adrenomyeloneuropathy 181
Neurite growth inhibitory molecules, Neurite growth inhibitory molecules in Alzheimer’s disease brain 222
Neurofibillary tangles, Apolipoprotein E allele ε4 does not correlate with the number of senile plaques or neurofibrillary tangles in patients with Alzheimer’s disease 352
Neurofibromatosis 1, Mutation analysis of neurofibromatosis 1 219
Neuroleptic treatment, Tardive dystonia after neuroleptic treatment of Tourette’s syndrome 119
Neurological consultation, Influence of obtaining a neurological opinion on the diagnosis and management of hospital inpatients 653
Neurological disease, Epidemiology of disabling neurological disease 242
Neurological education, Proceedings of the Association of British Neurologists, Norwich City College, 11-12 April 1996 213
World-wide web 213
Neurological symptoms, Week in casualty 226
Neuromuscular transmission, Stimulation single fibre EMG study in a patient with Schwartz-Jampel syndrome 425
Neuropathology, Creutzfeldt-Jakob disease in Austria 139
Neuroprotection, Vinorelbine neurotoxicity 409
Neuropsychological tests, Neuropsychological stability over two years in asymptomatic carriers of the Huntington’s disease mutation 621
Neuropsychology, Prevalence and correlates of neuropsychological deficits in amyotrophic lateral sclerosis 450
Neurosarcoidosis, Central nervous system sarcoidosis 218
Neurothekeoma, Neurothekeoma of the cauda equina 530
Neurotoxicity, Vinorelbine neurotoxicity 409
Neurotransfector factor, Brain derived neurotrophic factor prevents hypoxic/hypoglycaemic damage in organotypic hippocampal cultures 549
Nitric oxide, Diabetes mellitus alters the pathophysiology of haemorrhagic stroke 549
Nitric oxide synthase, Nitric oxide synthase activity in human glioblastoma 546
NMDA antagonist, Safety of extended administration to head injured patients of aptiganel HCL (Cerestab®), a non-competitive NMDA antagonist 547
Nonconvulsive status epilepticus, Non-convulsive status epilepticus 93
Non-invasive ventilation, Is chronic respiratory failure in neuromuscular diseases worth treating? 1
Noradrenaline, Acute pandsasautonia 99
Basis for behavioural disturbances in dementia 127
Normal pressure hydrocephalus, Normal pressure hydrocephalus 552
Nuclear magnetic resonance, Brain MRI, lumbar CSF monoamine concentrations, and clinical descriptors of patients with spinocerebellar ataxia mutations 591
Obesseous-compulsive disorder, Three cases of symptom change in Tourette’s syndrome and obsessive-compulsive disorder associated with paediatric cerebral malignancies 497
Occipital plagiocephaly, Clinical presentation and management of 100 infants with occipital plagiocephaly 227
Oculumotor nerve, Midbrain segmental lesions affecting or sparing the pupillary fibres 401
Olfaction, Olfactory function in young adolescents with Down’s syndrome 412
Oligodendrocyte Novel factor in oligodendrocyte maturation and survival 219
Oligodendrocytes, Antigens to a subpopulation of glial cells and a 66 kDa developmental protein in patients with paraneoplastic neurological syndromes 270
Olivopontocerebellar atrophy, Amantadine hydrochloride treatment in heredodegenerative ataxias 259
Optic neuropathy, Familial bulospinal neuronopathy with optic atrophy 196
Optic pathway gliomas, Management of optic pathway gliomas 227
Orocrural topography, Pure sensory deficit with crossed oroocular topography after pontine haemorrhage 534
Orcharyngal dysphagia, Picaemal deglution and dysphagia limit in normal subjects and in patients with swallowing disorders 491
Oropharyngeal palsy, Acute oropharyngeal palsy is associated with antibodies to GQ1b and GT1a gangliosides 649
Orthostatic hypotension, Acute pandsasautonia 99
Orthostatic hypotension caused by a localised dorsal medullary tumour 118
Osteosarcoma, Irradiation induced osteosarcoma in the posterior cranial fossa six years after surgery and radiation for medulloblastoma 429
Outcome, Non-convulsive status epilepticus 93
Simple partial status epilepticus 90
Oxidative cytoxicity, Neuroepidemiology of amyotrophic lateral sclerosis 131
Paediatric meningal tumours, Paediatric meningal tumours 227
Pain, Non-selective (aminitripindine), but not a selective (chemical) serotonin reuptake inhibitor is effective in the prophylactic treatment of chronic tension-type headache 285
Panic disorder, Cardiac autonomic regulation during sleep in panic disorder 421
Paradoxical embolism, Paradoxical embolism 225
Paraneoplastic neurological syndromes, Antibodies to a sub-population of glial cells and a 66 kDa developmental protein in patients with paraneoplastic neurological syndromes 270

Paravertebral muscles, Paravertebral muscles in disease of the cervical spine 461

Parkinsonism
Atypical dopa responsive parkinsonism in a patient with megalencephaly, midbrain Lewy body disease, and some pathological features of Hallervorden-Spatz disease 523
Calcification of the substantia nigra in a patient with an akinetic rigid syndrome 112
NMMA-antagonist ifenprodil alleviates akinnesia in a primate model of Parkinsonism 542

Parkinson's disease
Asymmetry of proprioceptive abnormalities in Parkinson's disease 543
Autosomal dominant Parkinson's disease in three generations 221
Cholinesterase inhibition in Parkinson's disease 324
Cytochrome P-4501A2 abnormalities in Parkinson's disease 225
Differentiation of idiopathic Parkinson's disease from multiple system atrophy 215
Disordered axial movement in Parkinson's disease 645
Does abnormal EEG predict early dementia in Parkinson's disease? 541
Evolution of cognitive impairment in Parkinson's disease 537
Frequency of the apolipoprotein E e4 allele in a case-control study of early onset Parkinson's disease 347
How far are we in understanding the cause of Parkinson's disease? 4
5-HT1A receptor binding in Parkinson's disease 225
Inhibition of the lateral globus pallidus in Parkinson's disease 542
Investigation of the pathological relation between affective and cognitive disturbance in Parkinson's disease by functional neuroimaging 216
Neurology in the community 215
Neuropsychological and psychiatric differences between Alzheimer's disease and Parkinson's disease with dementia 381
Pathophysiological basis of cognitive impairment in Parkinson's disease changes with disease chronicity 220
Postsynaptic 5HT1A and 5HT2A receptors are increased in Parkinson's disease neocortex 540
Quality of life in patients with Parkinson's disease 70
Role for 5HT2A antagonists in the treatment of Parkinson's disease? 541
Paroxysmal dystonic choreoathetosis, Case report of paroxysmal dystonic choreoathetosis due to hypoglycaemia induced by an insulinoma 194
Patent foramen ovale, Transcranial Doppler ultrasonography in the detection of venous to arterial shunting in acute stroke and transient ischaemic attacks 445
Pathogenic, Genetically engineered human monoclonal antibodies in myasthenia gravis 218
Peripheral nerve injury, HRP retrograde labelling of anterior horn cells in peripheral nerve injury in the rat 551
Peripheral neuropathy
Association between HIV distal symmetric polyneuropathy and mycobacterium avium complex infection 606
Improvement of neuropsychological measures of nerve function with the ACE inhibitor, lisinopril in insulin dependent diabetics with peripheral neuropathy 223
Nerve conduction studies in adenomyoneuropathy 181
Perisylvian dysplasia, Congenital unilateral perisylvian syndrome 52
Phenotype, Cu/Zn superoxide dismutase gene mutations in amyotrophic lateral sclerosis 565
Physiopathological mechanisms, Central pain 62
Piecemeal deglutition, Piecemeal deglutition and dysphagia limit in normal infants and in patients with swallowing disorders 491
Pituitary treatment, Hemifacial spasm 118
Platelet thromboxane formation, Platelets, alcohol consumption, and onset of brain infarction 376
PMP22, Hereditary neuropathy with liability to pressure palsies with a partial deletion of the region often duplicated in Charcot-Marie-Tooth disease, type 1A 535
Polyamines, Raised plasma polyamine concentrations in patients with severe head injury 209
Polymerase chain reaction, Role of laboratory investigation in the diagnosis and management of patients with suspected herpes simplex encephalitis 339
Polyradiculopathy, Acute lumbosacral polyradiculopathy due to cytomegalovirus in advanced HIV disease 456
Polyspikes, Electroclinical features of idiopathic generalised epilepsy with persisting absences in adult life 471
Pontine haemorrhage, Pure sensory deficit with crossed orocural topography after pontine haemorrhage 534
Pontine ischaemia, Voluntary facial palsy with a pontine lesion 531
Pontine micrurition centre, Urinary retention in bilateral pontine lesion 528
Pontine myelinolysis, Decreased magnetisation transfer ratio due to demyelination 208
Pontine tumour, Urinary retention in bilateral pontine tumour 528
Potser diagnostic criteria, Variation between observers in classifying multiple sclerosis 418
Positron emission tomography, Investigation of the pathological relation between affective and cognitive disturbance in Parkinson's disease by functional neuroimaging 216
Postanoxic coma, Early prognosis in coma after cardiac arrest 610
Postconcussion symptoms, Emotional, neuropsychological, and organic factors 75
Posterior screw fixations, Morphometric analysis of the axis, with particular reference to posterior screw fixations 550
Postirradiation lower motor neuron syndrome, Postirradiation lower motor neuron syndrome 538
Poststroke pain, From thalamic syndrome to central poststroke pain 560
Posttraumatic cerebral oedema, Bifrontal decompressive craniectomy in the management of diffuse malignant posttraumatic cerebral oedema 232
Predictors of mild head injury, Emotional, neuropsychological, and organic factors 75
Premotor potentials, Simple motor tics may be preceded by a premotor potential 103
Pressure palsy, Novel cause of a pressure palsy 346
Prevalence
Prevalence of multiple sclerosis in Rochdale 415
Prevalence survey of multiple sclerosis in the Leeds district 219
Prevention of stroke, Assessment scales and the costs of surgical prevention of stroke 552
Primary progressive multiple sclerosis, Interferon-γ activated calcium influx in peripheral blood lymphocytes from patients with primary and secondary progressive multiple sclerosis 515
Prion protein, Creutzfeldt-Jakob disease in Austria 139
Procedural learning, Impaired procedural learning after damage to the left supplementary motor area 555
Proceedings
Proceedings of the 128th Meeting of the Society of British Neurological Surgeons, University of Central Lancashire, Preston, 10–12 April 1996 227
Proceedings of the Association of British Neurologists from the Joint Meeting with the Deutsche Gesellschaft für Neurologie, Freie Universität Berlin 16–17 June 1995 537
Proceedings of the Association of British Neurologists, Norwich City College, 11–12 April 1996 213
Proceedings of the joint meeting of the British Neurosurgery Research Group and the Research Society of Neurological Surgeons (USA), the Cothorne Hotel, Newcastle-upon-Tyne 23–26 May 1996 545
Progesteron division, Oligodendrocyte progenitor present in adult human white matter 213
Prognosis
Changes in cerebral tissue perfusion during the first 48 hours of ischaemic stroke 26
Idiopathic mononeuropathy multiplex 215
Prognostic factor, Prognostic factors in low grade (WHO grade II) gliomas of the cerebral hemispheres 291
Progressive ataxia, Neurology of adult α-mannosidosis 116
Progressive dysphasic syndrome, Language function in motor neuron disease 219
Progressive external ophthalmoplegia, Large deletion (7-2 kb) of mitochondrial DNA with novel boundaries in a case of progressive external ophthalmoplegia 422
Propriospinal myoclonus, Lyme neuroborreliosis presenting with propriospinal myoclonus 420
PrP gene, Codon 200 mutation in a new family of Chilean origin with Creutzfeldt-Jakob disease 111
Psychiatric disorders
Intestinal mood and personality disorders in temporal lobe epilepsy and juvenile myoclonic epilepsy 601
Psychiatric disorders in candidates for surgery for epilepsy 82
Psychosis
Extrapoline myelinolysis 250
Possible distinct pathogenesis in low responder myasthenia gravis 207

Pudendal neuropathy, Pudendal neuropathy and bowel control 221

Pulmonary arteriovenous malformations, Paradoxical embolism 225

Pupil sparing, Midbrain tegmental lesions affecting or sparing the pupillary S101

Pure word deafness, Pure word deafness after resection of a tectal plate glioma with preservation of V of brain stem auditory evoked potentials 423

Putaminal haemorrhage, Metamorphopsia and visual hallucinations restricted to the right visual hemifield after a left putaminal haemorrhage 420

Quality of life, Quality of life in patients with Parkinson’s disease 70

Questionnaire development, Quality of life in patients with Parkinson’s disease 70

Radiculopathy, Sensory deficits of a nerve root lesion can be objectively documented by somatosensory evoked potentials elicited by painful infrared laser stimulations 107

Rating scales, Interrater reliability of clinical rating scales used in multiple sclerosis 217

Reaction time, Amantadine hydrochloride treatment in heredo-denerative ataxias 259

Read, Comparison of Read codes with the ICD-10 and OPCS-4 coding systems for neurosurgery 231

Recognition, Memory without context 156

Recombinant interferon-β, Magnetic resonance imaging changes with recombinant human interferon—1a 251

Relapsing-remitting multiple sclerosis, Magnetic resonance imaging changes with recombinant human interferon—1a 251

Remodelling, Remodelling after carotid angioplasty 217

Reperfusion, Changes in cerebral tissue perfusion during the first 48 hours of ischaemic stroke 26

Respiratory failure, Is chronic respiratory failure in neuromuscular diseases worth treating? 1

Retirement reflections, Some reflections on approaching retirement 573

Retrograde amnesia, Right temporofrontal cortex as critical locus for the expiry of old episodic memories 304

Retropharyngeal tendinitis, Longus cervicis colli “myositis” (syn: retropharyngeal tendinitis) 324

Rhabdomyolysis, Recurrent rhabdomyolysis due to disorders of fat metabolism 539

Rheumatoid arthritis, Endothelial cell activation and/or damage in rheumatoid arthritis peripheral neuropathy 223

Risk factors, Transcranial Doppler ultrasonography in the detection of venous to arterial shunting in acute stroke and transient ischaemic attacks 445

Rochdale, Prevalence of multiple sclerosis in Rochdale 415

Root hypertrophy, Massive nerve root enlargement in chronic inflammatory demyelinating polyneuropathy 636

Simple partial status epilepticus, Simple partial status epilepticus 90

Sleep, Cardiac autonomic regulation during sleep in panic disorder 421

Smell, Olfactory function in young adolescents with Down’s syndrome 412

Socioeconomic factors, Multiple sclerosis in Australia 311

Somatosensory evoked potentials, Early prognosis in coma after cardiac arrest 610

Reversible urinary retention as the main symptom in the first manifestation of a syringomyelia 407

Sensory deficits of a nerve root lesion can be objectively documented by somatosensory evoked potentials elicited by painful infrared laser stimulations 107

Spasticity, Use of botulinum toxin in stroke patients with severe upper limb spasticity 30

Spastic paraparesis, Family with hereditary spastic paraparesis and epilepsy 222

SPECT, Correlative study of regional amytal distribution and cerebral blood flow during the Wada test using a double dose SPECT technique 222

Outcome of subarachnoid haemorrhage 230

SPECT-findings in Lewy body disease 221

Speech, Isolated dysarthria caused by a right paravermal infarction 265

Speech perception, Bilateral total deafness due to pontine haematomata 628

Spinal cord, Changes in spinal cord excitability in a patient with rhythmic segmental myoclonus 641

Spinal cord MRI in multiple sclerosis with multcoil arrays 632

Spinal cord atrophy, Spinal cord atrophy and disability in multiple sclerosis 219

Spinal cord injury, FK-506 improvement in recovery after spinal cord injury 550

Spinal surgery, Image directed percutaneous spinal surgery 550

Spinal trauma, Analysis of spinal trauma managed in Hull 232

Spinocerebellar ataxia type 3, Relations between genotype and phenotype in German patients with the Machado-Joseph disease mutation 466

Spinocerebellar degeneration, Brain MRI, lumbar CSF monoamine concentrations, and clinical descriptors of patients with spinocerebellar ataxia mutations 591

Spontaneous intracranial hypotension, Syndrome of spontaneous intracranial hypotension 224

Sporadic, Clinical spectrum of CADASIL 220

Stamp, Claude Bernard (1813–78) 345

David Livingstone (1813–73) 303

Joseph Hyrtl (1811–94) 130

Louis Charles Alfred de Musset (1810–57) 25

Rudolph Ludwig Carl Virchow (1821–1902) 578

Thomas Sydenham (1624–89) 465

Startle, Startle provoked epileptic seizures 151

Status epilepticus, Intensive care treatment of refractory status epilepticus 226

Stimulation single fibre EMG, Stimulation single fibre EMG study in a patient with Schwartz-Jampel syndrome 425

Stroke, Isolated dysarthria caused by a right paravermal infarction 206

Transcranial sonography and perfusion MRI 220

Use of botulinum toxin in stroke patients with severe upper limb spasticity 30

Stroke mortality rates, Epidemiology of stroke 333

Stroke outcome, Changes in cerebral tissue perfusion during the first 48 hours of ischaemic stroke 26

Stroke risk, Epidemiology of stroke 333

Evidence of misery perfusion and risk for recurrent stroke in major cerebral arterial occlusive diseases from PET 18

Stroke trial, Should patients with visible infarction on admission CT be excluded from acute stroke trials? 217

Stroke unit, Effect of correcting outcome data for case mix after stroke 217

Subacute sensory neuropathy, Subacute sensory neuropathy, antineuronal antibodies, and seninoma 220

Subarachnoid haemorrhage, Acute intraoperative brain herniation during elective neurosurgery 584

Dynamics of cerebral blood flow and metabolism in patients with
cerebral ischaemia after subarachnoid haemorrhage 230
Outcome of subarachnoid haemorrhage 230
Prospective audit of aneurysmal subarachnoid haemorrhage comparing early and late surgery 230
Subcapsularis muscle, Electromyography of the serratius anterior and subscapularis muscles 117
Substantia nigra, Calcification of the substantia nigra in a patient with an atypical rigid syndrome 112
Suicide, Incidence and outcome of self inflicted gunshot wounds to the head in peace and war 654
Superior cerebellar peduncle, Thalamic stimulation for severe action tremor after lesion of the superior cerebellar peduncle 234
Supplementary motor area, Impaired procedural learning after damage to the left supplementary motor area 555
Sural nerve biopsy, Isolation and characterisation of T lymphocytes from sural nerve biopsies in patients with Guillain-Barré syndrome and chronic inflammatory demyelinating polyneuropathy 362
Surgery Delayed aneurysm surgery 230
Diagnostic factors in low grade (WHO grade II) gliomas of the cerebral hemispheres 291
Surgery for epilepsy, Psychiatric disorders in candidates for surgery for epilepsy 82
Surgical complications, Depression after surgery for acoustic neuroma 403
Swallow, Organisation of the respiratory cycle around deglutition apraxia 541
Sympathetic dystrophy, Treatment of reflex sympathetic dystrophy with spinal cord stimulation 551
Syringomyelia, Reversible urinary retention as the main symptom in the first manifestation of a syringomyelia 407
Spatial modulation of magnetisation in the study of cerebospinal fluid dynamics 228
Tardive dystonia, Tardive dystonia after neuroleptic treatment of Tourette's syndrome 119
T11mTc-ECD-SPECT, Reversible hyperperfusion of the right medial temporal lobe in transient global amnesia 654
T cell lymphomas, Mononeuritis multiplex associated with primary T cell proliferation 226
Tectal plate glioma, Pure word deafness after resection of a tectal plate glioma with preservation of wave V of brain stem auditory evoked potentials 423
Television induction, Dostoievsky's epilepsy induced by television 653
Temporal lobe epilepsy, Intercital mood and personality disorders in temporal lobe epilepsy and juvenile myoclonic epilepsy 601
Tension type headache, Non-selective (amitryptiline), but not a selective (citalopram), seroton ine reuptake inhibitor is effective in the prophylactic treatment of chronic tension-type headache 285
Thalamic, From thalamic syndrome to central poststroke pain 560
Thalamic stimulation, Thalamic stimulation for severe action tremor or the lesion of the superior cerebellar peduncle 234
Thalamus, Obstructive hydrocephalus due to benign cysts of the thalamus 203
Thrombocytopenia, Hypothemia in multiple sclerosis 369
Thymectomy, Serum antibodies to butylinum toxin (BOT) detected by immunoneprecipitation of 115-BOT 224
Thymectomy for myasthenia gravis 224
Thyroid carcinoma, Deafness due to bilateral endolymphatic sac tumours in a case of von Hippel-Lindau syndrome 318
Tics, Simple motor tics may be preceded by a premotor potential 103
Tinel's sign of formication, Tinel's sign of formication 61
T lymphocytes, Interferon-activated calcium influx in peripheral blood lymphocytes from patients with primary and secondary progressive multiple sclerosis 515
Isolation and characterisation of T lymphocytes from sural nerve biopsies in patients with Guillain-Barré syndrome and chronic inflammatory demyelinating polyneuropathy 362
Isolation of T lymphocytes from nerve biopsy in Guillain-Barré syndrome 166
Tomacula, Hereditary neuropathy with liability to pressure palsies with a partial deletion of the region often duplicated in Charcot-Marie-Tooth disease, type 1A 535
Tourette's syndrome, Simple motor tics may be preceded by a premotor potential 103
Tardive dystonia after neuroleptic treatment of Tourette's syndrome 119
Three cases of symptom change in Tourette's syndrome and obsessive-compulsive disorder associated with paediatric cerebral malignancies 497
Transbasal approach, Modified transbasal approach 231
Transcranial colour coded sonography, Transcranial sonography and perfusion MRI 220
Transcranial Doppler, Transcranial Doppler ultrasonography in the detection of venous to arterial shunting in acute stroke and transient ischaemic attacks 445
Transient global amnesia, Amnesia by the seaside revisited 223
Reversible hyperperfusion of the right medial temporal lobe in transient global amnesia 654
Transphenoidal surgery, Reoperative transphenoidal surgery for Cushing's disease 233
Transphenoidal surgery for acromegaly 233
Trapezoid body, Bilateral total deafness due to pontine haematomata 628
Traumatic intracranial haematomas, Traumatic intracranial haematomata 232
Treatment, Non-convulsive status epilepticus 93
Simple partial status epilepticus 90
Tremor, Primary orthostatic tremor with prominent muscle hypertrophy 226
Trigeminal nerve, Pain after microvascular decompression of the trigeminal nerve 228
Trigeminal neuralgia, Trigeminal neuralgia 228
Trigeminal sensory neuropathy, Small medullary infarction presenting as painful trigeminal sensory neuropathy 138
Trinucleotide repeats, Inherited ataxias and the new genetics 327
Typical absences, Electroclinical features of idiopathic generalised epilepsy with persisting absences in adult life 471
Unknown primary tumour site, Brain metastases from an unknown primary tumour 321
UK Shunt Evaluation Unit, UK shunt registry and UK shunt evaluation unit 228
UK Shunt Registry, UK shunt registry and UK shunt evaluation unit 228
Urinary retention, Reversible urinary retention as the main symptom in the first manifestation of a syringomyelia 407
Urinary retention in bilateral pontine tumour 528
Utilisation behaviour, Imitation and utilisation behaviour 396
Valediction, Valediction 559
Valproate, Valproate induced encephalopathy treated with carmine in an adult 211
Valsaiva's manoeuvre, Reversible urinary retention as the main symptom in the first manifestation of a syringomyelia 407
Vascular dementia, Apolipoprotein E allele e4 does not correlate with the number of senile plaques or neurofibrillary tangles in patients with Alzheimer's disease 352
Venous thrombosis, Haematological abnormalities in cerebral venous thrombosis 537
Vestibular disorders, Subjective postural vertical in peripheral and central vestibular disorders 540
Vigabatrin, Behaviour disturbances with vigabatrin 538
Vinorelbine, Vinorelbine neurotoxicity 409
Visual evoked potentials, Metamorphopsia and visual hallucinations restricted to the right visual hemifield after a left putaminal haemorrhage 420
Visual hallucination, Metamorphopsia and visual hallucinations restricted to the right visual hemifield after a left putaminal haemorrhage 420
Visual spatial abilities, Defective imitation of gestures in patients with damage in the left or right hemispheres 176
Von-Hippel-Lindau complex, Should endolymphatic sac tumours be considered part of the Von-Hippel-Lindau complex? 547

Water, Amnesia by the seaside revisited 223
Word deafness, Pure word deafness after resection of a tectal plate glioma with preservation of wave V of brain stem auditory evoked potentials 423

Writer's cramp, Botulinum toxin in writer's cramp 172
Writer's cramp rating scale, Botulinum toxin in writer's cramp 172
Writing by doctors, Doctor's writing, and writings 310

X-linked Charcot-Marie-Tooth neuropathy, Slowing of central conduction in X-linked Charcot-Marie-Tooth neuropathy shown by brain stem auditory evoked responses 43