

## Author Index to Volume 12 — 1985

- Anderson, B.A.: 129 (May)  
 Applegarth, D.A.: 274 (Aug)
- Bailey, P.: 278 (Aug)  
 Berger, L.: 255 (Aug)  
 Bernstein, M.: 366 (Nov supplement)  
 Bilbao, J.M.: 321 (Nov)  
 Biovin, D.: 106 (May)  
 Blume, W.T.: 317 (Nov)  
 Bolton, C.F.: 303 (Nov)  
 Bourque, C.N.: 129 (May)  
 Boyd, M.C.: 31, 35 (Feb)
- Calne, D.B.: 314 (Nov)  
 Camfield, P.R.: 48 (Feb)  
 Carroll, D.J.: 39 (Feb)  
 Carruthers, J.: 314 (Nov)  
 Chan-Lui, W.Y.: 100 (May)  
 Chiu, M.C.: 341 (Nov supplement)  
 Chu, J.Y.: 69 (Feb)  
 Cochrane, D.D.: 51 (Feb)  
 Cohen, H.C.M.: 121 (May)  
 Colapinto, E.V.: 321 (Nov)  
 Cooper, P.W.: 65 (Feb)  
 Cooperberg, P.L.: 31 (Feb)  
 Corenblum, B.: 243 (Aug)  
 Corrado, C.: 336 (Nov supplement)  
 Cosgrove, J.B.R.: 106 (May)  
 Couch, R.: 48 (Feb)  
 Cowan, D.H.: 69 (Feb)  
 Crapper McLachlan, D.T.: 1 (Feb)
- Darwish, H.Z.: 95 (May)  
 Decary, F.: 106 (May)  
 del Campo, C.M.: 129 (May)  
 Derome, P.J.: 345 (Nov supplement)  
 Dixon, A.A.: 267 (Aug)  
 Dolan, E.J.: 65 (Feb)  
 Dooley, J.M.: 73 (Feb)
- Dua, A.K.: 60 (Feb)  
 Duquette, P.: 106 (May)
- Ebers, G.C.: 236 (Aug)  
 Eder, S.: 317 (Nov)  
 Eisen, A.: 314 (Nov)  
 Etches, W.S.: 39 (Feb)  
 Ezrin-Waters, C.: 272 (Aug)
- Farrell, K.: 274 (Aug)  
 Freigang, B.: 45 (Feb)
- Garner, J.B.: 267 (Aug)  
 Gauthier, S.: 255 (Aug)  
 Gentili, F.: 336 (Nov supplement)  
 Ghanem, Q.: 136 (May)  
 Gilbert, J.: 149 (May)  
 Gilbert, J.J.: 303 (Nov)  
 Gordon, P.A.: 39 (Feb)  
 Griebel, R.: 259 (Aug)  
 Gutin, P.H.: 366 (Nov supplement)
- Hansebout, R.R.: 83 (May)  
 Haslam, R.H.A.: 45 (Feb)  
 Hoffman, H.J.: 348 (Nov supplement)  
 Hogenhuis, L.A.H.: 308 (Nov)  
 Holness, R.O.: 267 (Aug)  
 Howes, W.J.: 267 (Aug)  
 Huang, K.: 88 (May)  
 Hudson, A.R.: 321 (Nov)
- Jackson, A.L.: 303 (Nov)  
 Jasper, H.H.: 221 (Aug)  
 Jeffrey, V.: 39 (Feb)
- Kamath, M.V.: 83 (May)  
 Kassel, E.E.: 65 (Feb)  
 Khan, M.: 259 (Aug)  
 Kwan, H.C.: 11, 24 (Feb)
- Lamont, R.N.: 83 (May)  
 Lamoureux, G.: 106 (May)
- Lang, A.E.: 125 (May), 272 (Aug)  
 Lapierre, Y.: 106 (May)  
 Lasjaunias, P.: 341 (Nov supplement)  
 Leblanc, R.: 255 (Aug)  
 Lewis, A.J.: 65, 69 (Feb)  
 Lewis, P.N.: 1 (Feb)  
 Logan, W.J.: 100 (May)  
 Lougheed, W.M.: 336 (Nov supplement)  
 Luo, Y.: 88 (May)
- Mak, E.: 314 (Nov)  
 Marsh, L.: 39 (Feb)  
 Martin, W.R.W.: 6 (Feb)  
 Mertens, W.C.: 317 (Nov)  
 Ghanem, Q.: 136 (May)  
 McLeod, P.M.: 274 (Aug)  
 Morley, T.P.: 230 (Aug)  
 Morrice, B.L.: 39 (Feb)  
 Muller, P.: 371 (Nov supplement)  
 Murphy, J.T.: 11, 24 (Feb)  
 Murray, T.J.: 251 (Aug)  
 Myles, S.T.: 51 (Feb)
- Nimrod, C.: 51 (Feb)  
 Noseworthy, J.: 149 (May)
- Olmstead, D.: 39 (Feb)
- Pascual-Castroviejo, I.: 139 (May)  
 Payne, D.G.: 363 (Nov supplement)  
 Pinsky, C.: 60 (Feb)  
 Pleines, J.: 106 (May)  
 Politis, M.: 259 (Aug)  
 Potts, D.G.: 327 (Nov supplement)
- Resch, L.: 272 (Aug)  
 Reulen, J.P.H.: 308 (Nov)  
 Robitaille, Y.: 278 (Aug)  
 Ross, R.T.: 289 (Nov)  
 Rozdilsky, B.: 259 (Aug)
- Sanders, E.A.C.M.: 308 (Nov)  
 Sarnat, H.B.: 111 (May), 296 (Nov)  
 Savage, A.V.: 274 (Aug)  
 Saunders, F.W.: 263 (Aug)  
 Schwartz, M.L.: 65 (Feb)  
 Scott, A.: 314 (Nov)  
 Sharpe, J.A.: 332 (Nov supplement)  
 Shedden, P.: 263 (Aug)  
 Sima, A.A.F.: 129 (May)  
 Smyth, H.: 358 (Nov supplement)  
 Steinbok, P.: 31, 35 (Feb)  
 Still, D.K.: 51 (Feb)  
 Sugarman, R.G.: 51 (Feb)  
 Sundaram, M.B.M.: 134 (May)
- Tator, C.H.: 353 (Nov supplement)  
 Taylor, M.J.: 100 (May)  
 Ter Brugge, K.G.: 341 (Nov supplement)  
 Tibbles, J.A.R.: 48 (Feb)  
 Toone, V.R.: 274 (Aug)  
 Tsui, J.K.: 314 (Nov)  
 Tucker, W.S.: 121 (May)  
 Tyndel, F.: 321 (Nov)
- Van der Velde, E.A.: 308 (Nov)  
 Van Orman, C.B.: 95 (May)
- Warren, K.G.: 39 (Feb)  
 Wells, G.A.: 317 (Nov)  
 Wilson, B.C.: 371 (Nov supplement)  
 Wittman, B.K.: 51 (Feb)  
 Wright, B.A.: 73 (Feb)  
 Wong, Y.C.: 11, 24 (Feb)  
 Wu, L.: 88 (May)
- Yamashiro, K.: 336 (Nov supplement)  
 Young, G.B.: 303, 317 (Nov)
- Zimmerman, R.D.: 327 (Nov supplement)

## Subject Index to Volume 12 — 1985

- Adrenoleukodystrophy**  
 Adrenoleukodystrophy Mimicking Multiple Sclerosis 73 (Feb)
- Akinetic Mutism**  
 Akinetic Mutism and Parkinsonism Associated with Obstructive Hydrocephalus 255 (Aug)
- Alzheimer's Disease**  
 Alzheimer's Disease: Errors in Gene Expression I (Feb)
- Amantadine**  
 Amantadine Therapy for Fatigue in Multiple Sclerosis 251 (Aug)
- Angiography, super-selective**  
 Super-selective Angiography and Embolization of Skull Base Tumours 341 (Nov supplement)
- Asthma**  
 Cough Syncope Mimicking Epilepsy in Asthmatic Children 45 (Feb)
- Ataxia Telangiectasia**  
 Longitudinal Evoked Potential Studies in Hereditary Ataxias 100 (May)
- Autoimmune Disease**  
 Sensorimotor Perineuritis — An Autoimmune Disease? 129 (May)
- Basal Skull**  
 Super-selective Angiography and Embolization of Skull Base Tumours 341 (Nov supplement)
- Binswanger's Disease**  
 Binswanger's Disease: Progressive Subcortical Encephalopathy or Multi-Infarct Dementia? 88 (May)
- Botulinum Toxin**  
 A Pilot Study on the Use of Botulinum Toxin in Spasmodic Torticollis 314 (Nov)
- Brain**  
 Le Cerveau Influence-t-il le Développement Musculaire du Foetus Humain? 111 (May)
- Carotid Artery**  
 The Carotid Siphon: A Scanning Electron Microscope Assessment of its Embolic Potential 263 (Aug)
- Cerebral Infarcts**  
 Binswanger's Disease: Progressive Subcortical Encephalopathy or Multi-Infarct Dementia? 88 (May)
- Chemotherapy**  
 Complications of Chemotherapy 149 (May)
- Chorea**  
 Recurrent Chorea Gravidarum in Four Pregnancies 136 (May)
- Complications**  
 Complications of Chemotherapy 149 (May)
- Cortex, Motor**  
 Cross Correlation Studies in Primate Motor Cortex: Event Related Correlation 24 (Feb)  
 Cross Correlation Studies in Primate Motor Cortex: Synaptic Interaction and Shared Input 11 (Feb)
- Cough Syncope**  
 Cough Syncope Mimicking Epilepsy in Asthmatic Children 45 (Feb)
- Craniopharyngioma**  
 Craniopharyngiomas 348 (Nov supplement)
- Creutzfeldt-Jakob Disease**  
 Coexistence of Idiopathic Parkinson's Disease and Creutzfeldt-Jakob Disease 272 (Aug)
- Dementia**  
 Binswanger's Disease: Progressive Subcortical Encephalopathy or Multi-Infarct Dementia? 88 (May)
- Dopamine**  
 delta-Opioid Modulation of Striatal Dopaminergic Activity in Mice 60 (Feb)
- Embolization, Angiographic**  
 Super-selective Angiography and Embolization of Skull Base Tumours 341 (Nov supplement)
- Encephalopathy**  
 The Encephalopathy of Sepsis 303 (Nov)
- Epilepsy**  
 Cough Syncope Mimicking Epilepsy in Asthmatic Children 45 (Feb)  
 Differential Aspects of Sleep Epilepsy 317 (Nov)

**Evoked Potentials**

Cross Correlation Studies in Primate Motor Cortex: Event Related Correlation 24 (Feb)  
 Electrophysiological Disorders in Multiple Sclerosis and Optic Neuritis 308 (Nov)  
 Longitudinal Evoked Potential Studies in Hereditary Ataxias 100 (May)  
 Monitoring of Sensory Evoked Potentials during Surgery of Skull Base Tumours 336 (Nov supplement)

**Evolution**

The Brain of the Planarian as the Ancestor of the Human Brain 296 (Nov)

**Fatigue**

Amantadine Therapy for Fatigue in Multiple Sclerosis 251 (Aug)

**Fetus**

Intrauterine Hydrocephalus and Ventriculomegaly: Associated Abnormalities and Fetal Outcome 51 (Feb)  
 Le Cerveau Influence-t-il le Développement Musculaire du Foetus Humain? 111 (May)

**Friedreich's Ataxia**

Longitudinal Evoked Potential Studies in Hereditary Ataxias 100 (May)

**Gliomatosis, Leptomeningeal**

Primary Diffuse Leptomeningeal Gliomatosis 278 (Aug)

**Haemorrhage, Intracerebral**

Spontaneous Intracerebral Haemorrhage: An Analysis of Factors Affecting Prognosis 267 (Aug)

**Hemangioma Calcificans**

Hemangioma Calcificans of the Spinal Cord 321 (Nov)

**Hematomyelin**

Hemangioma Calcificans of the Spinal Cord 321 (Nov)

**Hemiballismus**

Persistent Hemiballismus with Lesions Outside the Subthalamic Nucleus 125 (May)

**History**

Osler and Neurology 236 (Aug)  
 Some Professional and Political Events in Canadian Neurosurgery 230 (Aug)  
 The Early Development of Neuroscience in Canada 221 (Aug)

**Hydrocephalus**

Akinetic Mutism and Parkinsonism Associated with Obstructive Hydrocephalus 255 (Aug)

**Hydrocephalus, Intrauterine**

Intrauterine Hydrocephalus and Ventriculomegaly: Associated Abnormalities and Fetal Outcome 51 (Feb)

**Immunological Disease**

IgDK Multiple Myeloma Presenting as Unilateral Proptosis 69 (Feb)

**Invertebrate Brain**

The Brain of the Planarian as the Ancestor of the Human Brain 296 (Nov)

**Magnetic Resonance Imaging**

Nuclear Magnetic Resonance Imaging of Skull Base Lesions 327 (Nov supplement)

**Medical Treatment**

The Medical Treatment of the Hypersecreting Pituitary Gland 243 (Aug)

**Meninges**

Primary Diffuse Leptomeningeal Gliomatosis 278 (Aug)

**Movement Disorders**

Positron Emission Tomography in Movement Disorders 6 (Feb)

**Multiple Myeloma**

IgDK Multiple Myeloma Presenting as Unilateral Proptosis 69 (Feb)

**Multiple Sclerosis**

A Double-blind Controlled Pilot Study of Plasma Exchange Versus Sham Apheresis in Chronic Progressive Multiple Sclerosis 39 (Feb)  
 Amantadine Therapy for Fatigue in Multiple Sclerosis 251 (Aug)  
 Clinical Sub-groups of Multiple Sclerosis in Relation to HLA: DR Alleles as Possible Markers of Disease Progression 106 (May)  
 Electrophysiological Disorders in Multiple Sclerosis and Optic Neuritis 308 (Nov)

**Muscle Development**

Le Cerveau Influence-t-il le Développement Musculaire du Foetus Humain? 111 (May)

**Myelography**

Pitfalls of Incomplete Myelography with Thoracic Spinal Lesions 121 (May)

**Neonate**

Efficacy of Phenobarbital in Neonatal Seizures 95 (May)

**Neuroma, Acoustic**

Acoustic Neuromas: Management of 204 cases 353 (Nov supplement)

**Neuropathy**

Sensorimotor Perineuritis — An Autoimmune Disease? 129 (May)

**Neuroscience**

The Early Development of Neuroscience in Canada 221 (Aug)

**Neurosurgery**

Some Professional and Political Events in Canadian Neurosurgery 230 (Aug)

**Neurosyphilis**

Pupillary Abnormalities in Congenital Neurosyphilis 134 (May)

**Optic Neuritis**

Electrophysiological Disorders in Multiple Sclerosis and Optic Neuritis 308 (Nov)

**Osler, Sir William**

Osler and Neurology 236 (Aug)

**Parkinsonism**

Akinetic Mutism and Parkinsonism Associated with Obstructive Hydrocephalus 255 (Aug)  
 delta-Opioid Modulation of Striatal Dopaminergic Activity in Mice 60 (Feb)

**Parkinson's Disease**

Coexistence of Idiopathic Parkinson's Disease and Creutzfeldt-Jakob Disease 272 (Aug)

**Perineuritis**

Sensorimotor Perineuritis — An Autoimmune Disease? 129 (May)

**Phenobarbital**

Efficacy of Phenobarbital in Neonatal Seizures 95 (May)

**Photodynamic Therapy**

Photodynamic Therapy (PDT): Cavitory Photoillumination of Malignant Cerebral Tumours using a Laser Coupled Inflatable Balloon — A Preliminary Report 371 (Nov supplement)

**Pineal Tumour**

Pineal Region Tumors 35 (Feb)

**Pituitary Tumours**

The Medical Treatment of the Hypersecreting Pituitary Gland 243 (Aug)

**Planarian**

The Brain of the Planarian as the Ancestor of the Human Brain 296 (Nov)

**Plasmapheresis**

A Double-blind Controlled Pilot Study of Plasma Exchange versus Sham Apheresis in Chronic Progressive Multiple Sclerosis 39 (Feb)

**Positron Emission Tomography**

Positron Emission Tomography in Movement Disorders 6 (Feb)

**Pregnancy**

Recurrent Chorea Gravidarum in Four Pregnancies 136 (May)

**Proptosis**

IgDK Multiple Myeloma Presenting as Unilateral Proptosis 69 (Feb)

**Pseudoarylsulfatase-A Deficiency**

Pseudoarylsulfatase-A Deficiency in the Neurologically Impaired Patient 274 (Aug)

**Pseudotumor Cerebri**

The Changing Picture of Pseudotumor Cerebri in Children 48 (Feb)

**Radiation Therapy**

Interstitial Irradiation of Skull Base Tumours 366 (Nov supplement)  
 Radiation Therapy of Tumours involving the Skull Base 363 (Nov supplement)

**Seizures**

Efficacy of Phenobarbital in Neonatal Seizures 95 (May)

**Sepsis**

The Encephalopathy of Sepsis 303 (Nov)

**Shunt Ventricular**

Intrauterine Hydrocephalus and Ventriculomegaly: Associated Abnormalities and Fetal Outcome 51 (Feb)

**Spinal cord**

Hemangioma Calcificans of the Spinal Cord 321 (Nov)  
 Pitfalls of Incomplete Myelography with Thoracic Spinal Lesions 121 (May)  
 Spinal Cord Infarction in Disease and Surgery of the Aorta 289 (Nov)  
 The Effects of Local Cooling on Canine Spinal Cord Blood Flow 83 (May)

**Spinal Cord Injury**

Hemorrhagic Changes in Experimental Spinal Cord Injury Models 259 (Aug)

**Synaptic Interaction**

Cross Correlation Studies in Primate Motor Cortex: Synaptic Interaction and Shared Input 11 (Feb)

**Torticollis, Spasmodic**

A Pilot Study on the Use of Botulinum Toxin in Spasmodic Torticollis 314 (Nov)

**Trigeminal Nerve**

Adenoid Cystic Carcinoma: An Unusual Neurosurgical Entity 65 (Feb)

**Tumour**

Adenoid Cystic Carcinoma: An Unusual Neurosurgical Entity 65 (Feb)

**Tumour, Brain**

Intraoperative Localization of Intracranial Lesions with Real Time Ultrasound 31 (Feb)  
 Pineal Region Tumors 35 (Feb)

**Tumour, Pituitary**

Pathological Diversity in Clinical Syndromes of Pituitary Hypersecretion: Its significance in evaluating their surgical treatment 358 (Nov supplement)

**Tumour, Skull Base**

325-373 (Nov supplement)

**Ultrasound**

Intraoperative Localization of Intracranial Lesions with Real Time Ultrasound 31 (Feb)

**Vascular Malformations**

The Association of Extracranial and Intracranial Vascular Malformations in Children 139 (May)

**Ventriculomegaly**

Intrauterine Hydrocephalus and Ventriculomegaly: Associated Abnormalities and Fetal Outcome 51 (Feb)

**Visual Dysfunction**

Visual Dysfunction with Basal Skull Tumours 332 (Nov supplement)

THE CANADIAN JOURNAL OF NEUROLOGICAL SCIENCES

VOL. 12, NO. 1 FEB. 1985

**SPECIAL FEATURES**  
 Message from the Editor ..... xi  
 Alzheimer's Disease: Errors in Gene Expression ..... D.T. Crapper McLachlan and P.N. Lewis 1  
 Positron Emission Tomography in Movement Disorders ..... W.R. Wayne Martin 6

**ORIGINAL ARTICLES**  
 Cross Correlation Studies in Primate Motor Cortex: Synaptic Interaction and Shared Input ..... John T. Murphy, Hon. C. Kwan and Yiu C. Wong 11  
 Cross Correlation Studies in Primate Motor Cortex: Event Related Correlation ..... John T. Murphy, Hon. C. Kwan and Yiu C. Wong 24  
 Intraoperative Localization of Intracranial Lesions with Real Time Ultrasound ..... Michael C. Boyd, Paul Steinbok and Peter L. Cooperberg 31  
 Pineal Region Tumors ..... Michael C. Boyd and Paul Steinbok 35  
 A Double-blind Controlled Pilot Study of Plasma Exchange versus Sham Apheresis in Chronic Progressive Multiple Sclerosis ..... P.A. Gordon, D.J. Carroll, W.S. Etches, V. Jeffrey, L. Marsh, B.L. Morrice, D. Olmstead and K.G. Warren 39  
 Cough Syncope Mimicking Epilepsy in Asthmatic Children ..... Robert H.A. Haslam and Bruno Freigang 45

The Changing Picture of Pseudotumor Cerebri in Children ..... R. Couch, P.R. Camfield and J.A.R. Tibbles 48  
 Intrauterine Hydrocephalus and Ventriculomegaly: Associated Abnormalities and Fetal Outcome ..... D.D. Cochrane, S.T. Myles, C. Nimrod, D.K. Still, R.C. Sugarman and B.K. Wittman 51  
 delta-Opiod Modulation of Striatal Dopaminergic Activity in Mice ..... Ashok K. Dua and Carl Pinsky 60  
 Adenoid Cystic Carcinoma: An Unusual Neurosurgical Entity ..... Michael L. Schwartz, Anthony J. Lewis, Edward E. Kassel and Perry W. Cooper 65  
 IgDK Multiple Myeloma Presenting as Unilateral Proptosis ..... Joseph Y. Chu, Anthony J. Lewis and Donald H. Cowan 69  
 Adrenoleukodystrophy Mimicking Multiple Sclerosis ..... J.M. Dooley and B.A. Wright 73  
 CORRESPONDENCE ..... 75  
 IN MEMORIAM: Kenneth Edwin Livingston M.D., D.A.B.N., F.A.C.S., F.R.C.S. (C) ... 76  
 BOOK REVIEWS ..... 77  
 CALENDAR OF EVENTS ..... 81

THE CANADIAN JOURNAL OF NEUROLOGICAL SCIENCES

VOL. 12, NO. 2 MAY 1985

**ORIGINAL ARTICLES**  
 The Effects of Local Cooling on Canine Spinal Cord Blood Flow ..... Robert R. Hansboub, R. Neil Lamont and M. Venkatraya Kamath 83  
 Binswanger's Disease: Progressive Subcortical Encephalopathy or Multi-Infarct Dementia? ..... Kewei Huang, Lijuan Wu and Yi Luo 88  
 Efficacy of Phenobarbital in Neonatal Seizures ..... C.B. Van Orman and H.Z. Darwish 95  
 Longitudinal Evoked Potential Studies in Hereditary Ataxias ..... M.J. Taylor, W.Y. Chan-Lui and W.J. Logan 100  
 Clinical Sub-Groups of Multiple Sclerosis in Relation to HLA: Dr. Alleles as Possible Markers of Disease Progression ..... Pierre Duquette, Francine Decary, Juliana Pleines, Denise Biovin, Gilles Lamoureux, James B.R. Cosgrove and Yves Lapierre 106  
 Le Cerveau Influence-t-il le Developpement Musculaire du Foetus Humain? ..... Harvey B. Sarnat 111  
 Pitfalls of Incomplete Myelography with Thoracic Spinal Lesions ..... Hart C.M. Cohen and William S. Tucker 121  
 Persistent Hemiballismus with Lesions Outside the Subthalamic Nucleus ..... Anthony E. Lang 125

Sensorimotor Perineuritis — An Autoimmune Disease? ..... Christopher N. Bourque, Brian A. Anderson, C. Martin del Campo and Anders A.F. Sima 129  
 Pupillary Abnormalities in Congenital Neurosyphilis ..... M.B.M. Sundaram 134  
 Recurrent Chorea Gravidarum in Four Pregnancies ..... Quais Chanem 136  
**REVIEW ARTICLE**  
 The Association of Extracranial and Intracranial Vascular Malformations in Children ..... Ignacio Pascual-Castroviejo 139  
**CLINICOPATHOLOGICAL CONFERENCE: —**  
 Complications of Chemotherapy ..... J. Gilbert and J. Noseworthy 149  
 IN MEMORIAM — Norman Geschwind (1926-1984) ..... 154  
 BOOK REVIEWS ..... 156  
 NOTES AND ANNOUNCEMENTS ..... 161  
 CALENDAR OF EVENTS ..... 162  
 XX CANADIAN CONGRESS OF NEUROLOGICAL SCIENCES —  
 Program and Abstracts ..... 163

THE CANADIAN JOURNAL OF NEUROLOGICAL SCIENCES

VOL. 12, NO. 3 AUG. 1985

**SPECIAL FEATURES**  
 The Early Development of Neuroscience in Canada ..... Herbert H. Jasper 221  
 Some Professional and Political Events in Canadian Neurosurgery ..... T.P. Morley 230  
 Osler and Neurology ..... George C. Ebers 236

**ORIGINAL ARTICLES**  
 The Medical Treatment of the Hypersecreting Pituitary Gland ..... Bernard Corenblum 243  
 Amantadine Therapy for Fatigue in Multiple Sclerosis ..... T.J. Murray 251  
 Akinetin Mutism and Parkinsonism Associated with Obstructive Hydrocephalus ..... L. Berger, S. Gauthier and R. Leblanc 255  
 Hemorrhagic Changes in Experimental Spinal Cord Injury Models ..... Moe Khan, Robert Griebel, Bodan Rozdilsky and Michael Politis 259  
 The Carotid Siphon: A Scanning Electron Microscope Assessment of its Embolic Potential ..... F.W. Saunders and P. Shedden 263

Spontaneous Intracerebral Haemorrhage: An Analysis of Factors Affecting Prognosis ..... A.A. Dixon, R.O. Holness, W.J. Howes and J.B. Garner 267  
 Coexistence of Idiopathic Parkinson's Disease and Creutzfeldt-Jakob Disease ..... C. Ezrin-Waters, L. Resch and A.E. Lang 272  
 Pseudoarylsulfatase — A Deficiency in the Neurologically Impaired Patient ..... Kevin Farrell, D.A. Applegarth, J.R. Toone, P.M. McLeod and A.V. Savage 274  
 Primary Diffuse Leptomeningeal Gliomatosis ..... Peter Bailey and Yves Robitaille 278  
 CORRESPONDENCE ..... 282  
 BOOK REVIEWS ..... 283  
 NOTES AND ANNOUNCEMENTS ..... 286  
 CALENDAR OF EVENTS ..... 287

THE CANADIAN JOURNAL OF NEUROLOGICAL SCIENCES

VOL. 12, NO. 4 NOV. 1985

**SPECIAL FEATURES**  
 Spinal Cord Infarction in Disease and Surgery of the Aorta ..... R.T. Ross 289  
 The Brain of the Planarian as the Ancestor of the Human Brain ..... H.B. Sarnat and Martin G. Netsky 296

**ORIGINAL ARTICLES**  
 The Encephalopathy of Sepsis ..... Alan C. Jackson, Joseph J. Gilbert, G. Bryan Young and Charles F. Bolton 303  
 Electrophysiological Disorders in Multiple Sclerosis and Optic Neuritis ..... E.A.C.M. Sanders, J.P.H. Reulen, L.A.H. Hogenhuis and E.A. van der Velde 308  
 A Pilot Study on the Use of Botulinum Toxin in Spasmodic Torticollis ..... J.K. Tsui, A. Eisen, E. Mak, J. Carruthers, A. Scott and D.B. Calne 314  
 Differential Aspects of Sleep Epilepsy ..... G. Bryan Young, Warren T. Blume, George A. Wells, Wilson C. Mertens and Suzanne Eder 317

Hemangioma Calcificans of the Spinal Cord ..... Felix J. Tyndel, Juan M. Bilbao, Alan R. Hudson and Edward V. Colapinto 321

**SPECIAL SUPPLEMENT**  
 Symposium on Skull Base Tumours (see detailed Table of Contents) ..... 324  
 BOOK REVIEWS ..... 374  
 NOTES AND ANNOUNCEMENTS ..... 377  
 CALENDAR OF EVENTS ..... 378  
 CANADIAN CONGRESS OF NEUROLOGICAL SCIENCES —  
 Call for Abstracts announcement ..... 380  
 INDEX TO VOLUME 12 ..... 381