

Authors Index to Volume 18 — 1991

- Abarbanel, J.M.:** 349 (Aug)
Ajmone-Marsan, C.: 564 (Nov)
Akiyama, H.: 287 (Aug); 376 (Aug)
Alvord, W.G.: 45 (Feb)
Ammann, W.: 59 (Feb)
Andermann, F.: 580 (Nov)
Araujo, D.M.: 390 (Aug)
Aroichane, M.: 510 (Nov)
Ashby, P.: 349 (Aug)
Avoli, M.: 636 (Nov)
Awad, I.A.: 120 (May)

Babb, T.L.: 645 (Nov)
Ball, M.J.: 408 (Aug)
Ban, Y.: 140 (May)
Barbeau, H.: 321 (Aug); 443 (Nov)
Baucaud, J.: 566 (Nov)
Becker, L.E.: 63 (Feb); 170 (May)
Becker, W.J.: 476 (Nov)
Bedard, P.J.: 373 (Aug)
Berry, H.: 337 (Aug)
Blume, W.T.: 570 (Nov)
Blunt, R.: 443 (Nov)
Boghen, D.: 510 (Nov)
Botez, M.I.: 307 (Aug)
Botez, T.: 307 (Aug)
Bouchard, R.: 439 (Aug)
Bouvier, G.: 598 (Nov)
Brem, S.: 12 (Feb)
Brooks, B.R.: 435 (Aug)
Brownstone, R.: 59 (Feb)
Brun, D.: 129 (Feb)
Bruneau, J.: 126 (May)
Brunet, P.: 566 (Nov)
Bruni, J.: 66 (Feb)
Burnham, W.M.: 132 (May)
Butterworth, R.F.: 126 (May)

Capodilupo, J.: 408 (Aug)
Carmant, L.: 488 (Nov)
Catton, C.: 499 (Nov)
Chabot, J.G.: 390 (Aug)
Chapman, K.R.: 349 (Aug)
Choi, D.W.: 394 (Aug)
Chu, D.: 59 (Feb)
Clark, A.W.: 476 (Nov)
Clark, C.: 59 (Feb)
Cochrane, E.E.: 181 (May)
Cork, L.C.: 432 (Aug)

D'Amour, D.: 126 (May)
Da Prada, M.: 384 (Aug)
Davey, P.: 499 (Nov)
Deck, J.H.N.: 358 (Aug)
Dekaban, G.A.: 352 (Aug)
Del Maestro, R.F.: 7 (Feb)
Delgado-Escueta, A.V.: 649 (Nov)
Dellatolas, G.: 143 (May)
Dempsey, P.K.: 295 (Aug)
Dhalla, Z.: 66 (Feb)
Dow, K.E.: 398 (Aug)
Dubeau, F.: 640 (Nov)

Edamura, M.: 443 (Nov)
Engel, Jr., J.: 588 (Nov)
Ethier, R.: 580 (Nov)

Farrell, C.R.: 7 (Feb)
Fazi, M.: 453 (Nov)
Fehlings, M.G.: 505 (Nov)
Feindel, W.: 549 (Nov); 577 (Nov); 601 (Nov); 603 (Nov)
Fewer, D.: 463 (Nov)

Fisher, C.M.: 18 (Feb)
Freedom, M.: 129 (May)
Fung, J.: 443 (Nov)
Furtado, J.C.S.: 77 (Feb)

Gagné, C.: 129 (Feb)
Garruto, R.M.: 428 (Aug)
Gasalberti, R.: 342 (Aug)
Gaudet, D.: 129 (Feb)
Gauthier, L.: 439 (Aug)
Gauthier, S.: 70 (Feb); 321 (Aug); 439 (Aug)
Gentili, F.: 505 (Nov)
Giallonardo, T.: 566 (Nov)
Gloor, P.: 554 (Nov)
Goossens, L.: 577 (Nov)
Gotman, J.: 573 (Nov)
Gravel, R.A.: 419 (Aug)
Graybiel, A.M.: 380 (Aug)
Grimes, J.D.: 85 (Feb)
Guieu, R.: 113 (May)

Haese, P.: 472 (Nov)
Hammerstad, J.: 492 (Nov)
He, F.: 492 (Nov)
Heilman, K.M.: 503 (Nov)
Holden, J.: 59 (Feb)
Houlden, D.A.: 453 (Nov)
Hudson, A.J.: 45 (Feb); 387 (Aug)
Hurwitz, T.A.: 59 (Feb)
Hutton, J.T.: 467 (Nov)
Hwa, G.G.C.: 636 (Nov)
Hynie, I.: 39 (Feb)

Ito, L.: 140 (May)

Jasper, H.H.: 533 (Nov)
Johnston, B.: 472 (Nov)
Jolicoeur, P.: 411 (Aug)

Kaibara, M.: 570 (Nov)
Kaufmann, J.C.E.: 352 (Aug)
Kawamata, T.: 376 (Aug)
Kertesz, A.: 344 (Aug)
Kirk, A.: 344 (Aug); 503 (Nov)
Klimek, E.H.: 358 (Aug)
Kofman, O.S.: 83 (Feb)
Kondziolka, D.: 295 (Aug)
Kostopoulos, G.: 636 (Nov)
Kucharczyk, W.: 515 (Nov)
Kushima, K.: 140 (May)

Laberge, C.: 129 (Feb)
Lang, A.P.: 515 (Nov)
Lapchak, P.A.: 390 (Aug)
Lavoie, B.: 373 (Aug)
Lee, J.P.: 458 (Nov)
Lee, R.G.: 279 (Aug); 476 (Nov)
Leonard, G.: 593 (Nov)
Leung, L.S.: 333 (Aug)
Levi, A.D.O.: 515 (Nov)
Li, C.-X.: 28 (Feb)
Li, M.: 577 (Nov)
Little, J.R.: 120 (May)
Love, E.J.: 279 (Aug)
Ludolph, A.C.: 492 (Nov)
Lukiw, W.J.: 414 (Aug)
Lunsford, L.D.: 295 (Aug)
Lupien, P.J.: 129 (Feb)

MacDonald, E.A.: 337 (Aug)
Macdonald, R.L.: 358 (Aug)
Mahurant, D.J.: 419 (Aug)

Marchand, M.P.: 143 (May)
Marin-Padilla, M.: 153 (May)
Marquez-Julio, A.: 349 (Aug)
Martin, J.B.: 1 (Feb)
Mathieu, J.: 129 (Feb)
Mazurek, M.: 77 (Feb)
McDonald, W.: 7 (Feb)
McGeer, E.G.: 376 (Aug)
McGeer, P.L.: 287 (Aug); 376 (Aug)
McLachlan, D.R.C.: 414 (Aug)
McLachlan, R.S.: 333 (Aug)
Meislin, R.: 342 (Aug)
Melancon, D.: 577 (Nov)
Melanson, D.: 580 (Nov)
Menche, D.: 342 (Aug)
Michaud, J.: 12 (Feb)
Midha, R.: 63 (Feb)
Mizzen, C.: 414 (Aug)
Moises, H.C.: 403 (Aug)
Moorjani, S.: 129 (Feb)
Maratalla, R.: 380 (Aug)
Morissette, J.: 129 (Feb)
Morrice, B.L.: 476 (Nov)
Morris, J.L.: 467 (Nov)
Mrazek, A.C.: 337 (Aug)
Munari, C.: 566 (Nov)
Murphy, W.S.: 137 (May)

Nalbantoglu, J.: 424 (Aug)
Norman, M.G.: 181 (May)

O'Brien, P.: 499 (Nov)
Olivier, A.: 628 (Nov); 636 (Nov); 640 (Nov)

Palmer, K.C.: 408 (Aug)
Palmini, A.: 580 (Nov)
Parent, A.: 373 (Aug)
Paul, M.L.: 380 (Aug)
Pedraza, O.: 307 (Aug)
Percy, M.E.: 414 (Aug)
Pinto, F.: 300 (Aug)
Pitman, M.: 342 (Aug)
Poirier, J.: 70 (Feb)
Polk, M.J.: 344 (Aug)
Poskitt, K.J.: 181 (May)
Power, C.: 352 (Aug)
Preston, E.: 39 (Feb)

Quesney, L.F.: 559 (Nov)
Quirion, R.: 390 (Aug); 439 (Aug)

Ragazzoni, A.: 300 (Aug)
Rajput, A.H.: 275 (Aug)
Rajput, A.: 275 (Aug)
Rasmussen, T.: 601 (Nov); 603 (Nov); 606 (Nov); 611 (Nov)
Reddy, K.: 463 (Nov)
Reiher, J.: 488 (Nov)
Rice, G.P.A.: 352 (Aug)
Richardson, P.M.: 398 (Aug)
Richer, F.: 598 (Nov)
Riopelle, R.J.: 398 (Aug)
Robb, P.: 361 (Aug)
Robert, F.: 12 (Feb)
Robertson, H.A.: 380 (Aug)
Robitaille, Y.: 577 (Nov); 580 (Nov)
Roher, A.E.: 408 (Aug)
Roll, J-P.: 113 (May)
Rondot, P.: 143 (May)
Ross, R.T.: 312 (Aug)
Rouleau, L.: 598 (Nov)
Rozdilsky, B.: 275 (Aug)

Rubin, M.: 342 (Aug)
Rylett, R.J.: 403 (Aug)

Sabri, M.: 492 (Nov)
Saint-Hilaire, J-M.: 598 (Nov)
Sarnat, H.B.: 196 (May)
Sato, Y.: 140 (May)
Schutz, H.: 515 (Nov)
Schwartz, M.: 499 (Nov)
Semchuk, K.M.: 279 (Aug)
Seshia, S.S.: 472 (Nov)
Seto, D.: 390 (Aug)
Shandling, M.: 352 (Aug)
Sherwin, A.L.: 640 (Nov)
Shuaib, A.: 137 (May); 356 (Aug)
Silveri, M.C.: 300 (Aug)
Somerville, M.J.: 414 (Aug)
Spencer, P.S.: 492 (Nov)
Stein, R.B.: 443 (Nov)
Stewart, J.E.: 321 (Aug)
Strong, M.J.: 45 (Feb); 428 (Aug)
Stroude, E.: 7 (Feb)
Stugita, K.: 140 (May)
Sultan, S.: 439 (Aug)
Sutherland, M.K.: 414 (Aug)
Sutton, J.: 66 (Feb)
Swartz, B.E.: 649 (Nov)

Taiuti, R.: 300 (Aug)
Talairach, J.: 566 (Nov)
Tampieri, D.: 577 (Nov); 580 (Nov)
Tang, A.H.: 403 (Aug)
Taniyama, M.: 140 (May)
Tardy-Gervet, M-F.: 113 (May)
Thibault, M.C.: 129 (Feb)
Triggs-Raine, B.L.: 419 (Aug)
Tsanaclis, A-M.: 12 (Feb)
Turmel, A.: 598 (Nov)

Varga, M.: 129 (May)
Verge, V.M.K.: 398 (Aug)
Vernet, D.: 640 (Nov)
Villemure, J-G.: 636 (Nov)

Wakade, A.R.: 408 (Aug)
Walsh, G.O.: 649 (Nov)
Waters, R.S.: 28 (Feb)
Weaver (R.N.), K.: 453 (Nov)
Weinshender, B.G.: 352 (Aug)
Weiss, J.H.: 394 (Aug)
West, M.: 463 (Nov)
Wheelock, B.: 512 (Nov)
Wieser, H.G.: 617 (Nov)
Wightman, H.: 512 (Nov)
Williams, L.R.: 403 (Aug)
Willinsky, R.: 499 (Nov)
Wong, L.: 414 (Aug)
Wortzman, G.: 129 (May)

Yacobi, R.: 132 (May)
Yager, J.Y.: 472 (Nov)
Yamada, T.: 287 (Aug); 376 (Aug)
Yang, J.F.: 443 (Nov)
Young, C.: 499 (Nov)
Young, N.: 307 (Aug)

Zelouf, D.: 342 (Aug)
Zolo, P.: 649 (Nov)

Subject Index to Volume 18 — 1991

- 3-nitropropionic Acid**
3 Nitropropionic Acid-Exogenous Animal Neurotoxin and Possible Human Striatal Toxin 492 (Nov)
- Abstracts**
XXVI Canadian Congress of Neurological Sciences 205 (May)
4th Canadian Neuro-oncology Meeting 93 (Feb)
- Accessory Nerve**
Accessory Nerve Palsy: A Review of 23 Cases 337 (Aug)
- Alcoholism**
Abnormalities of Peripheral Nerve Conduction in Relation to Thiamine Status in Alcoholic Patients 126 (May)
- Amyotrophic Lateral Sclerosis**
Amyotrophic Lateral Sclerosis/
Parkinsonism/Dementia: Clinico-Pathological Correlation Relevant to Guamanian ALS/PD 387 (Aug)
Familial Amyotrophic Lateral Sclerosis, 1850-1989: A Statistical Analysis of the World Literature 45 (Feb)
- Aluminum**
Chronic Aluminum-Induced Motor Neuron Degeneration: Clinical, Neuropathological and Molecular Biological Aspects 428 (Aug)
- Alzheimer Disease**
Anomalous Gene Expression in Alzheimer Disease 414 (Aug)
B-Amyloid Protein in Alzheimer's Disease 424 (Aug)
New Biochemical Insights to Unravel the Pathogenesis of Alzheimer's Lesions 408 (Aug)
Single Photon Emission Computed Tomography Using ^{99m}Tc-HM-PAO in the Routine Evaluation of Alzheimer's Disease 59 (Feb)
Treatment of Alzheimer's Disease: Hopes and Reality 439 (Aug)
- Amantadine**
Treatment of Heredo-Degenerative Ataxias with Amantadine Hydrochloride 307 (Aug)
- Amygdala**
Temporal Lobectomy with Amygdalectomy and Minimal Hippocampal Resection: Review of 100 Cases 603 (Nov)
Temporal Lobe Surgery for Epilepsy: Neuropsychological Variables Related to Surgical Outcome: 593 (Nov)
- Amygdala-kindled**
The Effect of Tricyclic Antidepressants on Cortex- and Amygdala-Kindled Seizures in the Rat 132 (May)
- Aneurysms**
Perioperative Management and Outcome after Surgical Treatment of Anterior Cerebral Artery Aneurysms 120 (May)
The Association Between Polycystic Kidney Disease and Cerebral Aneurysms 505 (Nov)
- Anterior Cerebral Artery**
Perioperative Management and Outcome after Surgical Treatment of Anterior Cerebral Artery Aneurysms 120 (May)
- Antibody K1-67**
The Cycling Pool of Cells Within Human Brain Tumors: In Situ Cytokinetics Using the Monoclonal Antibody K1-67 12 (Feb)
- Antidepressants**
The Effect of Tricyclic Antidepressants on Cortex- and Amygdala-Kindled Seizures in the Rat 132 (May)
- Arteriovenous Malformations**
Current Status of Radiosurgery for Arteriovenous Malformations 499 (Nov)
- Astrocytoma Growth**
Effect of an Inhibitor of Lipid Peroxidation, U78517F, on C6 Astrocytoma Growth 7 (Feb)
- Ataxias**
Multi-Joint Reaching Movements and Eye-Hand Tracking in Cerebellar Incoordination: Investigation of a Patient with Complete Loss of Purkinje Cells 476 (Nov)
Treatment of Heredo-Degenerative Ataxias Amantadine Hydrochloride 307 (Aug)
- Atropine Toxicity**
Visual Hallucinations on Eye Closure Associated with Atropine Toxicity. A Neurological Analysis and Comparison with Other Visual Hallucinations 18 (Feb)
- Axonal Transport**
The Role of Axonal Transport in Neurodegenerative Disease Spread: A Meta-Analysis of Experimental and Clinical Poliomyelitis Compared with Amyotrophic Lateral Sclerosis 435 (Aug)
- Basalganglia**
3 Nitropropionic Acid - Exogenous Animal Neurotoxin and Possible Human Striatal Toxin 492 (Nov)
- Blood-Brain Barrier**
Transfer Constants for Blood-Brain Barrier Permeation of the Neuroexcitatory Shellfish Toxin, Domoic Acid 39 (Feb)
- Brain Stem Hemorrhage**
Clival Chordoma Presenting with Acute Brain Stem Hemorrhage 515 (Nov)
- Brain Tumors**
The Cycling Pool of Cells Within Human Brain Tumors: In Situ Cytokinetics Using the Monoclonal Antibody K1-67 12 (Feb)
- Carbamazepine**
A Comparison of the Efficacy and Tolerability of Controlled-Release Carbamazepine with Conventional Carbamazepine 66 (Feb)
- Cerebellar Incoordination**
Multi-Joint Reaching Movements and Eye-Hand Tracking in Cerebellar Incoordination: Investigation of a Patient with Complete Loss of Purkinje Cells 476 (Nov)
- Cerebral Blood Flow**
Correlation Between Cerebral Blood Flow, Somatosensory Evoked Potentials, CT Scan Grade and Neurological Grade in Patients with Subarachnoid Hemorrhage 453 (Nov)
- Cerebrovascular Disease**
Correlation Between Cerebral Blood Flow, Somatosensory Evoked Potentials, CT Scan Grade and Neurological Grade in Patients with Subarachnoid Hemorrhage 453 (Nov)
Current Status of Radiosurgery for Arteriovenous Malformations 499 (Nov)
The Association Between Polycystic Kidney Disease and Cerebral Aneurysms 505 (Nov)
- Chordoma**
Clival Chordoma Presenting with Acute Brain Stem Hemorrhage 515 (Nov)
- Clonidine**
Modulation of Locomotor Pattern and Spasticity with Clonidine in Spinal Cord Injured Patients 321 (Aug)
- Cognitive Impairment**
Assessment of Cognitive Impairment: The Role of CT 129 (May)
- Myotonic Dystrophy: An Electrophysiological Study of the Cognitive Deficits 300 (Aug)
- Coma**
Intraparenchymal and Intraventricular Hemorrhage without Mass Effect in Traumatic Coma 458 (Nov)
Inter-Observer Agreement in Assessing Comatose Children 472 (Nov)
- Coma Scale**
Inter-Observer Agreement in Assessing Comatose Children 472 (Nov)
- Computed Tomography**
Correlation Between Cerebral Blood Flow, Somatosensory Evoked Potentials, CT Scan Grade and Neurological Grade in Patients with Subarachnoid Hemorrhage 453 (Nov)
Single Photon Emission Computed Tomography Using ^{99m}Tc-HM-PAO in the Routine Evaluation of Alzheimer's Disease 59 (Feb)
- Degenerative Diseases-Dementia**
Amyotrophic Lateral Sclerosis/
Parkinsonism/Dementia: Clinico-Pathological Correlation Relevant to Guamanian ALS/PD 387 (Aug)
Dementia With Leukoencephalopathy in Systemic Lupus Erythematosus 344 (Aug)
New Approaches to the Treatment of Age-Related Brain Disorders 384 (Aug)
- Deprenyl**
Deprenyl: Protective vs. Symptomatic Effect 83 (Feb)
Deprenyl: The Exciting Possibility of Protective Effect 85 (Feb)
- Domoic Acid**
Transfer Constants for Blood-Brain Barrier Permeation of the Neuroexcitatory Shellfish Toxin, Domoic Acid 39 (Feb)
- Dopamine Denervation**
Effects of Dopamine Denervation on Striatal Peptide Expression in Parkinsonian Monkeys 373 (Aug)
- Dopaminergic Drugs**
Expression of the Immediate Early Gene-c-fos in Basal Ganglia: Induction by Dopaminergic Drugs 380 (Aug)
Long-Term Evaluation of Sinemet® CR in Parkinsonian Patients with Motor Fluctuations 467 (Nov)
- Dysgenesis**
Cerebral Dysplasias as Expressions of Altered Maturation Processes 196 (May)
Surgical Implications of Cerebral Dysgenesis 181 (May)
Synaptic Dysgenesis 170 (May)
- Dysplasias**
Cerebral Dysplasias as Expressions of Altered Maturation Processes 196 (May)
- Dysraphic Disorders**
Cephalic Axial Skeletal - Neural Dysraphic Disorders: Embryology and Pathology 153 (May)
- Dystonia**
3 Nitropropionic Acid - Exogenous Animal Neurotoxin and Possible Human Striatal Toxin 492 (Nov)
- Electroencephalography**
A Movement-Associated Fast Rolandic Rhythm 333 (Aug)
Electroencephalography, Magnetic Resonance Imaging and Pathology in Patients Treated Surgically for Temporal Lobe Epilepsy 577 (Nov)

- Electrophysiological Analysis of Human Neocortex in Vitro: Experimental Techniques and Methodological Approaches 636 (Nov)
- Clinical Correlates and EEG Characteristics of Two Additional Patterns Related to 14 and 6 Per Second Positive Spikes 488 (Nov)
- History of Early Development of Electroencephalography and Clinical Neurophysiology at the Montreal Neurological Institute: the First 25 Years 1939-1964 533 (Nov)
- Introduction à l'Étude Clinique des Crises Épileptiques Rétrorolandiques 566 (Nov)
- Localization of Epileptic Foci in Children 570 (Nov)
- Neuronal Migration Disorders: A Contribution of Modern Neuroimaging to the Etiologic Diagnosis of Epilepsy 580 (Nov)
- Preoperative Electroencephalographic Investigation in Frontal Lobe Epilepsy: EEG, SEEG, and ECoG Recordings 559 (Nov)
- Preoperative Electroencephalographic Investigation in Temporal Lobe Epilepsy: Extracranial and Intracranial Recordings 554 (Nov)
- Preoperative Electroencephalographic Localization of Large Epileptogenic Zones in the Frontal and Temporal Lobes 564 (Nov)
- Relationships Between Interictal Spiking and Seizures: Human and Experimental Evidence 573 (Nov)
- Relative Localizing Value of Common Tests Used in the Pre-operative Investigation of Epileptic Patients 598 (Nov)
- Surface Ictal Electroencephalographic Patterns in Frontal vs Temporal Lobe Epilepsy 649 (Nov)
- Embryology**
- Cephalic Axial Skeletal - Neural Dysraphic Disorders: Embryology and Pathology 153 (May)
- Cerebral Dysplasias as Expressions of Altered Maturational Processes 196 (May)
- Epilepsy**
- Bilateral Pathological Damage in Temporal Lobe Epilepsy 645 (Nov)
- Biochemical Markers of Excitability in Human Neocortex 640 (Nov)
- Development of Surgical Therapy of Epilepsy at Montreal Neurological Institute 549 (Nov)
- Electroencephalography, Magnetic Resonance Imaging and Pathology in Patients Treated Surgically for Temporal Lobe Epilepsy 577 (Nov)
- Electrophysiological Analysis of Human Neocortex in Vitro: Experimental Techniques and Methodological Approaches 636 (Nov)
- History of Early Development of Electroencephalography and Clinical Neurophysiology at the Montreal Neurological Institute: the First 25 Years 1939-1964 533 (Nov)
- Introduction à l'Étude Clinique des Crises Épileptiques Rétrorolandiques 566 (Nov)
- Localization of Epileptic Foci in Children 570 (Nov)
- Neuronal Migration Disorders: A Contribution of Modern Neuroimaging to the Etiologic Diagnosis of Epilepsy 580 (Nov)
- PET Scanning in Partial Epilepsy 588 (Nov)
- Preoperative Electroencephalographic Investigation in Frontal Lobe Epilepsy: EEG, SEEG, and ECoG Recordings 559 (Nov)
- Preoperative Electroencephalographic Localization of Large Epileptogenic Zones in the Frontal and Temporal Lobes 564 (Nov)
- Relationships Between Interictal Spiking and Seizures: Human and Experimental Evidence 573 (Nov)
- Relative Localizing Value of Common Tests Used in the Preoperative Investigation of Epileptic Patients 598 (Nov)
- Relevance of Removal of Limbic Structures in Surgery for Temporal Lobe Epilepsy 628 (Nov)
- Selective Amygdalohippocampectomy Indications and Follow-up 617 (Nov)
- Surface Ictal Electroencephalographic Patterns in Frontal vs Temporal Lobe Epilepsy 649 (Nov)
- Surgery for Central, Parietal and Occipital Epilepsy 611 (Nov)
- Tailoring of Cortical Excisions for Frontal Lobe Epilepsy 606 (Nov)
- Temporal Lobe Surgery for Epilepsy: Neuropsychological Variables Related to Surgical Outcome 593 (Nov)
- Temporal Lobectomy: Review of 100 Cases with Major Hippocampectomy 601 (Nov)
- Temporal Lobectomy with Amygdalotomy and Minimal Hippocampal Resection: Review of 100 Cases 603 (Nov)
- Evoked Potentials**
- Correlation between Cerebral Blood Flow, Somatosensory Evoked Potentials, CT Scan Grade and Neurological Grade in Patients with Subarachnoid Hemorrhage 453 (Nov)
- Granulomatous Meningitis**
- Vernix Caseo Granulomatous Meningitis (Vernicomylia) 63 (Feb)
- Graves' Disease**
- Graves' Thyrotoxicosis and Moyamoya Disease 140 (May)
- Growth Factors**
- Growth Factors and Lymphokines: Modulators of Cholinergic Neuronal Activity 390 (Aug)
- H-Reflex Modulation**
- H-Reflex Modulation During Walking in Spastic Paretic Subjects 443 (Nov)
- Head Trauma**
- Intraparenchymal and Intraventricular Hemorrhage without Mass Effect in Traumatic Coma 458 (Nov)
- Hemorrhage-Brainstem**
- Benign Brain-Stem Hemorrhage 356 (Aug)
- Hemorrhage-Cerebral**
- Current Status of Radiosurgery for Arteriovenous Malformations 499 (Nov)
- Intraparenchymal and Intraventricular Hemorrhage without Mass Effect in Traumatic Coma 458 (Nov)
- Hippocampus**
- Temporal Lobectomy: Review of 100 Cases with Major Hippocampectomy 601 (Nov)
- History**
- History of Early Development of Electroencephalography and Clinical Neurophysiology at the Montreal Neurological Institute: the First 25 Years 1939-1964 533 (Nov)
- Hydrocephalus**
- Pupillary Areactivity in Hydrocephalus of Recent Onset 510 (Nov)
- Immune System**
- Reactions of the Immune System in Chronic Degenerative Neurological Diseases 376 (Aug)
- Infarction**
- Recurrent Cerebral Infarction in Anticoagulated Patients with Mital Valve Prolapse 137 (May)
- Joint Position**
- Dissociated Loss of Vibration, Joint Position and Discriminatory Tactile Senses in Disease of Spinal Cord and Brain 312 (Aug)
- Leukoencephalopathy**
- Dementia With Leukoencephalopathy in Systemic Lupus Erythematosus 344 (Aug)
- Lipid Peroxidation**
- Effect of an Inhibitor of Lipid Peroxidation, U78517F, on C6 Astrocytoma Growth 7 (Feb)
- Lymphokines**
- Growth Factors and Lymphokines: Modulators of Cholinergic Neuronal Activity 390 (Aug)
- Mitral Valve Prolapse**
- Recurrent Cerebral Infarction in Anticoagulated Patients with Mital Valve Prolapse 137 (May)
- Molecular Interactions**
- Molecular Interactions Modulating Neuronal Survival and Growth 398 (Aug)
- Montreal Neurological Inst.**
- Development of Surgical Therapy of Epilepsy at the Montreal Neurological Institute 549 (Nov)
- History of Early Development of Electroencephalography and Clinical Neurophysiology at the Montreal Neurological Institute: the First 25 Years 1939-1964 533 (Nov)
- Motor Control in Humans**
- H-Reflex Modulation During Walking in Spastic Paretic Subjects 443 (Nov)
- Multi-Joint Reaching Movements and Eye-Hand Tracking in Cerebellar Incoordination: Investigation of a Patient with Complete Loss of Purkinje Cells 476 (Nov)
- Motor Cortex**
- Organization of the Mouse Motor Cortex Studied by Retrograde Tracing and Intracortical Microstimulation (ICMS) Mapping 28 (Feb)
- Motor Fluctuations**
- Long-Term Evaluation of Sinemet® CR in Parkinsonian Patients with Motor Fluctuations 467 (Nov)
- Motor Neuron Degeneration**
- Chronic Aluminum-Induced Motor Neuron Degeneration: Clinical, Neuropathological and Molecular Biological Aspects 428 (Aug)
- Motor Neuron Disease**
- Hereditary Canine Spinal Muscular Atrophy: An Animal Model of Motor Neuron Disease 432 (Aug)
- Neuronal Loss in a Lower Motor Neuron Disease Induced by a Murine Retrovirus 411 (Aug)
- Movement Disorders**
- 3-Nitropropionic Acid-Exogenous Animal Neurotoxin and Possible Human Striatal Toxin 492 (Nov)
- Long-Term Evaluation of Sinemet® CR in Parkinsonian Patients with Motor Fluctuations 467 (Nov)
- Auricular Myoclonus 503 (Nov)
- Moyamoya Disease**
- Graves' Thyrotoxicosis and Moyamoya Disease 140 (May)
- Multi-Joint Reaching Movement**
- Multi-Joint Reaching Movements and Eye-Hand Tracking in Cerebellar Incoordination: Investigation of a Patient with Complete Loss of Purkinje Cells 476 (Nov)
- Myelopathy**
- Pathological and Molecular Biological Features of a Myelopathy Associated with HTLV-1 Infection 352 (Aug)
- Myoclonus**
- Auricular Myoclonus 503 (Nov)
- Myotonic Dystrophy**
- Myotonic Dystrophy: An Electrophysiological Study of the Cognitive Deficits 300 (Aug)
- Nerve Conduction**
- Abnormalities of Peripheral Nerve Conduction in Relation to Thiamine Status in Alcoholic Patients 126 (May)
- Nerve Growth Factor**
- Exogenous NGF Affects Cholinergic Transmitter Function and Y-Maze Behavior in Aged Fischer 344 Male Rats 403 (Aug)
- Nerve Stimulation**
- Analgesic Effects of Vibration and Transcutaneous Electrical Nerve Stimulation Applied Separately and Simultaneously to Patients with Chronic Pain 113 (May)

Neuro-oncology

Clival Chordoma Presenting with Acute Brain Stem Hemorrhage 515 (Nov)

Neuro-oncology – Surgical

Eosinophilic Granuloma of the Occipital Bone Presenting as Intracranial Venous Hypertension 512 (Nov)

Neuro-ophthalmology

Eosinophilic Granuloma of the Occipital Bone Presenting as Intracranial Venous Hypertension 512 (Nov)

Pupillary Areactivity in Hydrocephalus of Recent Onset 510 (Nov)

Neuroblastoma

Pneumocephalus following Treatment of Esthesioneuroblastoma 358 (Aug)

Neurochemistry

Biochemical Markers of Excitability in Human Neocortex 640 (Nov)

Neurodegenerative disorders

Differential Vulnerability to Excitatory Amino Acid-Induced Toxicity and Selective Neuronal Loss in Neurodegenerative Diseases 394 (Aug)

Reactions of the Immune System in Chronic Degenerative Neurological Diseases 376 (Aug)

The Role of Axonal Transport in Neurodegenerative Disease Spread: A Meta-Analysis of Experimental and Clinical Poliomyelitis Compared with 435 (Aug)

Neuropathology

Bilateral Pathological Damage in Temporal Lobe Epilepsy 645 (Nov)

Neurophysiology

Clinical Correlates and Electroencephalographic Characteristics of Two Additional Patterns Related to 14 and 6 Per Second Positive Spikes 488 (Nov)

Preoperative Electroencephalographic Investigation in Temporal Lobe Epilepsy: Extracranial and Intracranial Recordings 554 (Nov)

Neuropsychology

Temporal Lobe Surgery for Epilepsy: Neuropsychological Variables Related to Surgical Outcome 593 (Nov)

Neurosurgery

Bilateral Pathological Damage in Temporal Lobe Epilepsy 645 (Nov)

Biochemical Markers of Excitability in Human Neocortex 640 (Nov)

Development of Surgical Therapy of Epilepsy at the Montreal Neurological Institute 549 (Nov)

Electroencephalography, Magnetic Resonance Imaging and Pathology in Patients Treated Surgically for Temporal Lobe Epilepsy 577 (Nov)

Relevance of Removal of Limbic Structures in Surgery for Temporal Lobe Epilepsy 628 (Nov)

Selective Amygdalohippocampotomy Indications and Follow-up 617 (Nov)

Surgery for Central, Parietal and Occipital Epilepsy 611 (Nov)

Tailoring of Cortical Excisions for Frontal Lobe Epilepsy 606 (Nov)

Temporal Lobectomy: Review of 100 Cases with Major Hippocampotomy 601 (Nov)

Temporal Lobectomy with Amygdalectomy and Minimal Hippocampal Resection: Review of 100 Cases 603 (Nov)

Neurosurgery - Adult

Clival Chordoma Presenting with Acute Brain Stem Hemorrhage 515 (Nov)

Neurotoxin

3 Nitropropionic Acid - Exogenous Animal Neurotoxin and Possible Human Striatal Toxin 492 (Nov)

Neurotransmitter

Biochemical Markers of Excitability in Human Neocortex 640 (Nov)

Ophthalmoplegia

Pupillary Areactivity in Hydrocephalus of Recent Onset 510 (Nov)

Pain

Analgesic Effects of Vibration and Transcutaneous Electrical Nerve Stimulation Applied Separately and Simultaneously to Patients with Chronic Pain 113 (May)

Parkinson's Disease

Accuracy of Clinical Diagnosis in Parkinsonism - A Prospective Study 275 (Aug)

Amyotrophic Lateral Sclerosis/Parkinsonism /Dementia: Clinico-Pathological Correlation 387 (Aug)

Environment, Genetics and Idiopathic Parkinson's Disease 70 (Feb)

Long-Term Evaluation of Sinemet® CR in Parkinsonian Patients with Motor Fluctuations • (Aug)

MPTP-Induced Neurotoxicity and the Quest for a Preventative Therapy for Parkinson's Disease 77 (Feb)

Parkinson's Disease and Exposure to Rural Environmental Factors: A Population Based Case-Controlled Study 279 (Aug)

Two Types of Spheroid Bodies in the Nigral Neurons in Parkinson's Disease 287 (Aug)

Parkinsonian Monkeys

Effects of Dopamine Denervation on Striatal Peptide Expression in Parkinsonian Monkeys 373 (Aug)

Peroneal Nerve

Entrapment of an Accessory Superficial Peroneal Sensory Nerve 342 (Aug)

Pituitary Adenomas

Complications of the Transsphenoidal Approach to Sellar Lesions 463 (Nov)

Pneumocephalus

Pneumocephalus following Treatment of Esthesioneuroblastoma 358 (Aug)

Polycystic Kidney Disease

The Association Between Polycystic Kidney Disease and Cerebral Aneurysms 505 (Nov)

Positron Emission Tomography

PET Scanning in Partial Epilepsy 588 (Nov)

Pupils

Pupillary Areactivity in Hydrocephalus of Recent Onset 510 (Nov)

Purkinje Cells

Multi-Joint Reaching Movements and Eye-Hand Tracking in Cerebellar Incoordination: Investigation of a Patient with Complete Loss of Purkinje Cells 476 (Nov)

Radiotherapy

Current Status of Radiotherapy for Arteriovenous Malformations 499 (Nov)

Retrovirus

Neuronal Loss in a Lower Motor Neuron Disease Induced by a Murine Retrovirus 411 (Aug)

Seizures

The Effect of Tricyclic Antidepressants on Cortex- and Amygdala-Kindled Seizures in the Rat 132 (May)

Sellar Lesions

Complications of the Transsphenoidal Approach to Sellar Lesions 463 (Nov)

Sinemet® CR

Long-Term Evaluation of Sinemet CR® in Parkinsonian Patients with Motor Fluctuations 467 (Nov)

Spastic Paretic

H-Reflex Modulation During Walking in Spastic Paretic Subjects 443 (Nov)

Spasticity

H-Reflex Modulation During Walking in Spastic Paretic Subjects 443 (Nov)

Modulation of Locomotor Pattern and Spasticity with Clonidine in Spinal Cord Injured Patients 321 (Aug)

Spinal Cord

Dissociated Loss of Vibration, Joint Position and Discriminatory Tactile Senses in Disease of Spinal Cord and Brain 312 (Aug)

H-Reflex Modulation During Walking in Spastic Paretic Subjects 443 (Nov)

Spinal Cord Injury

Modulation of Locomotor Pattern and Spasticity with Clonidine in Spinal Cord Injured Patients 321 (Aug)

Spinal Cord Regeneration

A Footnote to Medical History: David Alexander Shirres on Spinal Cord Regeneration 361 (Aug)

Spinal Muscular Atrophy

Hereditary Canine Spinal Muscular Atrophy: An Animal Model of Motor Neuron Disease 432 (Aug)

Subarachnoid Hemorrhage

Correlation Between Cerebral Blood Flow, Somatosensory Evoked Potentials, CT Scan Grade and Neurological Grade in Patients with Subarachnoid Hemorrhage 453 (Nov)

Synaptic

Synaptic Dysgenesis 170 (May)

Systemic Lupus Erythematosus

Dementia with Leukoencephalopathy in Systemic Lupus Erythematosus 344 (Aug)

Tactile Senses

Dissociated Loss of Vibration, Joint Position and Discriminatory Tactile Senses in Disease of Spinal Cord and Brain 312 (Aug)

Tay-Sachs Disease

Biochemistry and Genetics of Tay-Sachs Disease 419 (Aug)

Thiamine

Abnormalities of Peripheral Nerve Conduction in Relation to Thiamine Status in Alcoholic Patients 126 (May)

Thyrotoxicosis

Graves' Thyrotoxicosis and Moyamoya Disease 140 (May)

Torticollis

Spasmodic Torticollis - A Review of 220 Patients 143 (May)

Transsphenoidal

Complications of the Transsphenoidal Approach to Sellar Lesions 463 (Nov)

Tuberous Sclerosis

Neuronal Migration Disorders: A Contribution of Modern Neuroimaging to the Etiologic Diagnosis of Epilepsy 580 (Nov)

Vasculitis

Current Status of Radiotherapy for Arteriovenous Malformations 499 (Nov)

Venous Angiomas

The Case for Conservative Management of Venous Angiomas 295 (Aug)

Violetto-Van Laere Syndrome

Bulbo-pontine Paralysis with Deafness: the Violetto Van Laere Syndrome 349 (Aug)

Vibration

Dissociated Loss of Vibration, Joint Position and Discriminatory Tactile Senses in Disease of Spinal Cord and Brain 312 (Aug)

Visual Hallucinations

Visual Hallucinations on Eye Closure Associated with Atropine Toxicity. A Neurological Analysis and Comparison with other Visual Hallucinations 18 (Feb)

THE CANADIAN JOURNAL OF NEUROLOGICAL SCIENCES

VOL. 18, NO. 1 FEB. 1991

SPECIAL FEATURE

1990 Richardson Lecture — Challenges for Neurology in the Nineties: Will We Survive?
Joseph B. Martin 1

ORIGINAL ARTICLES

Effect of an Inhibitor of Lipid Peroxidation, U78517F, on C6 Astrocytoma Growth
Rolando F. Del Maestro, Christine R. Farrell, Eric Stroude and Warren McDonald 7

The Cycling Pool of Cells within Human Brain Tumors: *In Situ* Cytokinetics Using the Monoclonal Antibody Ki-67
Ana Maria Tsanaclis, Françoise Robert, Jean Michaud and Steven Brem 12

Visual Hallucinations on Eye Closure Associated with Atropine Toxicity. A Neurological Analysis and Comparison with Other Visual Hallucinations
C. Miller Fisher 18

Organization of Mouse Motor Cortex Studied by Retrograde Tracing and Intracortical Microstimulation (ICMS) Mapping
Cheng-Xiang Li and Robert S. Waters 28

Transfer Constants for Blood-Brain Barrier Permeation of the Neuroexcitatory Shellfish Toxin, Domoic Acid
Edward Preston and Ivo Hynie 39

Familial Amyotrophic Lateral Sclerosis, 1850 - 1989: A Statistical Analysis of the World Literature
M.J. Strong, A.J. Hudson and W.G. Alvord 45

Single Photon Emission Computed Tomography Using ^{99m}Tc-HM-PAO in the Routine Evaluation of Alzheimer's Disease
T.A. Hurwitz, W. Ammann, D. Chu, C. Clark, J. Holden and R. Brownstone 59

Vernix Caseo Granulomatous Meningitis (Vernicomylia)
Rajiv Midha and Laurence E. Becker 63

A Comparison of the Efficacy and Tolerability of Controlled-Release Carbamazepine with Conventional Carbamazepine
Z. Dhalla, J. Bruni and J. Sutton 66

FOCUS ON PARKINSON'S DISEASE 69-92

EDITORIAL
Parkinson's Disease: Progress and Controversies
Robert G. Lee 69

REVIEW ARTICLES
Environment, Genetics and Idiopathic Parkinson's Disease
J. Poirier, Sandra Kogan and Serge Gauthier 70

MPTP-Induced Neurotoxicity and the Quest for a Preventative Therapy for Parkinson's Disease
J.C.S. Furtado and Michael F. Mazurek 77

VIEWPOINTS
Commentary on Deprenyl
Protective vs. Symptomatic Effect
Oscar S. Kofman 83

The Exciting Possibility of Protective Effect
J. David Grimes 85

CONFERENCE SUMMARY
National Conference on Parkinson's Disease
A.J. Rajput, D. Calne and A.E. Lang 87

ABSTRACTS
The 4th Canadian Neuro-oncology Meeting, June 1990 93

CORRESPONDENCE 104

BOOK REVIEWS 106

NOTES AND ANNOUNCEMENTS 110

CALENDAR OF EVENTS 111

INSTRUCTIONS TO AUTHORS vi

ADVERTISERS INDEX xxi

VOL. 18, NO. 2 MAY 1991

ORIGINAL ARTICLES

Analgesic Effects of Vibration and Transcutaneous Electrical Nerve Stimulation Applied Separately and Simultaneously to Patients with Chronic Pain
Régis Guieu, Marie-Françoise Tardy-Gervet and Jean-Pierre Roll 113

Perioperative Management and Outcome after Surgical Treatment of Anterior Cerebral Artery Aneurysms
Issam A. Awad and John R. Little 120

Abnormalities of Peripheral Nerve Conduction in Relation to Thiamine Status in Alcoholic Patients
Monique L. D'Amour, Julie Bruneau and Roger F. Butterworth 126

Assessment of Cognitive Impairment: The Role of CT
Marica Varga, George Wortzman and Morris Freedman 129

The Effect of Tricyclic Antidepressants on Cortex- and Amygdala-Kindled Seizures in the Rat
R. Yacobi and W.M. Burnham 132

Recurrent Cerebral Infarction during Anticoagulation Therapy in Patients with Mitral Valve Prolapse
Ashfaq Shuaib and William F. Murphy 137

Graves' Thyrotoxicosis and Moyamoya Disease
Kenji Kushima, Yukata Satoh, Yoshio Ban, Matsuo Taniyama, Kunihiko Ito and Koujiro Sugita 140

Spasmodic Torticollis — Review of 220 Patients
P. Rondot, M.P. Marchand and G. Dellatolas 143

SYMPOSIUM

"Neuro-embryology and Cerebral Dysgenesis"
Cephalic Axial Skeletal — Neural Dysraphic Disorders: Embryology and Pathology
Miguel Marín-Padilla 152

Synaptic Dysgenesis
L.E. Becker 170

Surgical Implications of Cerebral Dysgenesis
D. Douglas Cochrane, K.J. Poskitt and M.G. Norman 181

Cerebral Dysplasias as Expressions of Altered Maturational Processes
Harvey B. Sarnat 196

XXVI CANADIAN CONGRESS OF NEUROLOGICAL SCIENCES

Program and Abstracts 205

CALENDAR OF EVENTS 270

NOTES AND ANNOUNCEMENTS 271

BOOK REVIEWS 272

ADVERTISERS INDEX xxiii

INSTRUCTIONS TO AUTHORS xxvi

VOL. 18, NO. 3 AUG. 1991

ORIGINAL ARTICLES

Accuracy of Clinical Diagnosis in Parkinsonism - A Prospective Study
A.H. Rajput, B. Rozdilsky, and Alex Rajput 275

Parkinson's Disease and Exposure to Rural Environmental Factors: A Population Based Case-Control Study
Karen M. Semchuk, Edgar J. Love and Robert G. Lee 279

Two Types of Spheroid Bodies in the Nigral Neurons in Parkinson's Disease
Tatsua Yamada, Haruhiko Akiyama and Patrick L. McGeer 287

The Case For Conservative Management of Venous Angiomas
Douglas Kondziolka, Peter K. Dempsey and L. Dade Lunsford 295

Myotonic Dystrophy: An Electrophysiological Study of Cognitive Deficits
Aldo Ragazzoni, Francesco Pinto, Rosanna Taiuti, and Maria Caterina Silveri 300

Treatment of Heredo-Degenerative Ataxias with Amantadine Hydrochloride
M.I. Botez, Simon N. Young, Thérèse Botez and Olgo L. Pedraza 307

Dissociated Loss of Vibration, Joint Position and Discriminatory Tactile Senses in Disease of Spinal Cord and Brain
R.T. Ross 312

Modulation of Locomotor Patterns and Spasticity with Clonidine in Spinal Cord Injured Patients
J.E. Stewart, H. Barbeau and S. Gauthier 321

A Movement-Associated Fast Rolandic Rhythm
Richard S. McLachlan and Lai Wo S. Leung 333

Accessory Nerve Palsy: A Review of 23 Cases
H. Berry, E.A. MacDonald and A.C. Mrazek 337

Entrapment of an Accessory Superficial Peroneal Sensory Nerve
Michael Rubin, David Menche and Mark Pitman 342

Dementia with Leukoencephalopathy in Systemic Lupus Erythematosus
Andrew Kirk, Andrew Kertesz and Marsha J. Polk 344

Bulbo-pontine Paralysis with Deafness: the Vialletto-Van Laere Syndrome
J.M. Abarbanel, P. Ashby, A. Marquez-Julio and K.R. Chapman 349

Pathological and Molecular Biological Features of a Myelopathy Associated with HTLV-1 Infection
Christopher Power, Brian G. Weinschenker, Gregory A. Dekaban, John C.E. Kaufmann, Maureen Shandling, George P.A. Rice 352

Benign Brainstem Hemorrhage
Ashfaq Shuaib 356

Pneumocephalus following Treatment of Esthesioneuroblastoma
E.H. Klimke, R.L. Macdonald and J.H.N. Deck 358

A Footnote to Medical History: David Alexander Shirres on Spinal Cord Regeneration
Preston Robb 361

Minimal Standards for Electroencephalographic Laboratories 363

NOTES AND ANNOUNCEMENTS 365

CALENDAR OF EVENTS 366

BOOK REVIEWS 368

INSTRUCTIONS TO AUTHORS viii

ADVERTISERS INDEX xviii

VOL. 18, NO. 3 (Supplement) AUG. 1991

Preface	372
1. Effects of Dopamine Denervation on Striatal Peptide Expression in Parkinsonian Monkeys <i>Brigitte Lavoie, Andre Parent and Paul J. Bedard</i>	373
2. Reactions of the Immune System in Chronic Degenerative Neurological Diseases <i>P.L. McGeer, E.G. McGeer, T. Kawamata, T. Yamada and H. Akiyama</i>	376
3. Expression of the Immediate Early Gene <i>c-fos</i> in Basal Ganglia: Induction by Dopaminergic Drugs <i>H.A. Robertson, M.L. Paul, R. Moratalla and A.M. Graybiel</i>	380
4. New Approaches to the Treatment of Age-Related Brain Disorders <i>M. Da Prada</i>	384
5. Amyotrophic Lateral Sclerosis/Parkinsonism/Dementia: Clinicopathological Correlations Relevant to Guamanian ALS/PD <i>Arthur J. Hudson</i>	387
6. Growth Factors and Lymphokines: Modulators of Cholinergic Neuronal Activity <i>Remi Quirion, Dalia M. Araujo, Paul A. Lapchak, David Seto and Jean-Guy Chabot</i>	390
7. Differential Vulnerability to Excitatory Amino Acid-Induced Toxicity and Selective Neuronal Loss in Neurodegenerative Diseases <i>John H. Weiss and Dennis W. Choi</i>	394
8. Molecular Interactions Modulating Neuronal Survival and Growth <i>R.J. Riopelle, K.E. Dow, V.M.K. Verge and P.M. Richardson</i>	398
9. Exogenous NGF Affects Cholinergic Transmitter Function and Y-Maze Behavior in Aged Fischer 344 Male Rats <i>Lawrence R. Williams, R. Jane Rylett, Hylan C. Moises and Andrew H. Tang</i>	403
10. New Biochemical Insights to Unravel the Pathogenesis of Alzheimer's Lesions <i>Alex E. Roher, Kenneth C. Palmer, John Capodilupo, Arun R. Wakade and Melvyn J. Ball</i>	408
11. Neuronal Loss in a Lower Motor Neuron Disease Induced by a Murine Retrovirus <i>Paul Jolicœur</i>	411
12. Anomalous Gene Expression in Alzheimer Disease: Cause or Effect? <i>D.R.C. McLachlan, W.J. Lukiw, C. Mizzen, M.E. Percy, M.J. Somerville, M.K. Sutherland and L. Wong</i>	414
13. Biochemistry and Genetics of Tay-Sachs Disease <i>R.A. Gravel, B.L. Triggs-Raine and D.J. Mahurant</i>	419
14. B-Amyloid Protein in Alzheimer's Disease <i>Josephine Nalbantoglu</i>	424
15. Chronic Aluminum-Induced Motor Neuron Degeneration: Clinical, Neuropathological and Molecular Biological Aspects <i>Michael J. Strong and Ralph M. Garruto</i>	428
16. Hereditary Canine Spinal Muscular Atrophy: An Animal Model of Motor Neuron Disease <i>Linda C. Cork</i>	432
17. The Role of Axonal Transport in Neurodegenerative Disease Spread: A Meta-Analysis of Experimental and Clinical Poliomyelitis Compared with Amyotrophic Lateral Sclerosis <i>Benjamin Rix Brooks</i>	435
18. Treatment of Alzheimer's Disease: Hopes and Reality <i>S. Gauthier, L. Gauthier, R. Bouchard, R. Quirion and S. Sultan</i>	439

VOL. 18, NO. 4 NOV. 1991

ORIGINAL ARTICLES

H-Reflex Modulation During Walking in Spastic Paretic Subjects <i>J.F. Yang, J. Fung, M. Edamura, R. Blunt, R.B. Stein and H. Barbeau</i>	443
Correlation between Cerebral Blood Flow, Somatosensory Evoked Potentials, CT Scan Grade and Neurological Grade in Patients with Subarachnoid Hemorrhage <i>M. Fazl, D.A. Houlden and K. Weaver</i>	453
Intraparenchymal and Intraventricular Hemorrhage without Mass Effect in Traumatic Coma <i>Jen-Pei Lee</i>	458
Complications of the Transphenoidal Approach to Sellar Lesions <i>Kesava Reddy, Derek Fewer and Michael West</i>	463
Long-Term Evaluation of Sinemet® CR in Parkinsonian Patients with Motor Fluctuations <i>J. Thomas Hutton and Jerry L. Morris</i>	467
Inter-Observer Agreement in Assessing Comatose Children <i>Shasi S. Seshia, Jerome Y. Yager, Bruce Johnston and Philip Haese</i>	472
Multi-Joint Reaching Movements and Eye-Hand Tracking in Cerebellar Incoordination: Investigation of a Patient with Complete Loss of Purkinje Cells <i>W.J. Becker, B.L. Morrice, A.W. Clark and R.G. Lee</i>	476
Clinical Correlates and Electroencephalographic Characteristics of Two Additional Patterns Related to 14 and 6 per Second Positive Spikes <i>J. Reiher and L. Carmant</i>	488
3-Nitropropionic Acid – Exogenous Animal Neurotoxin and Possible Human Striatal Toxin <i>A.C. Ludolph, F. He, P.S. Spencer, J. Hammerstad and M. Sabri</i>	492
Current Status of Radiosurgery for Arteriovenous Malformations <i>Michael Schwartz, Peter O'Brien, Phillip Davey, Charlene Young, Robert Willinsky and Charles Catton</i>	499
Auricular Myoclonus <i>Andrew Kirk and Kenneth M. Heilman</i>	503

The Association between Polycystic Kidney Disease and Cerebral Aneurysms <i>Michael G. Fehlings and Fred Gentili</i>	505
Pupillary Areactivity in Hydrocephalus of Recent Onset <i>Dan Boghen and Maryann Arochane</i>	510
Eosinophilic Granuloma of the Occipital Bone Presenting as Intracranial Venous Hypertension <i>H. Wightman and B. Wheelock</i>	512
Clival Chordoma Presenting with Acute Brain Stem Hemorrhage <i>Allan D.O. Levi, Walter Kucharczyk, Arnold P. Lange and Hart Schutz</i>	515
NOTES AND ANNOUNCEMENTS	519
CALENDAR OF EVENTS	519
BOOK REVIEWS	521
INDEX TO VOLUME 18	526
INSTRUCTIONS TO AUTHORS	viii
ADVERTISERS INDEX	xxiii

VOL. 18, NO. 4 (Supplement) NOV. 1991

1. History of the Early Development of Electroencephalography and Clinical Neurophysiology at the Montreal Neurological Institute, The First 25 Years 1939 – 1964 <i>H. Jasper</i>	533
2. Development of Surgical Therapy of Epilepsy at the Montreal Neurological Institute <i>W. Feindel</i>	549
3. Preoperative Electroencephalographic Investigation in Temporal Lobe Epilepsy: Extracranial and Intracranial Recordings <i>P. Gloor</i>	554
4. Preoperative Electroencephalographic Investigation in Frontal Lobe Epilepsy: EEG, SEEG and ECoG Recordings <i>L.F. Quesney</i>	559
5. Preoperative Electroencephalographic Localization of Large Epileptogenic Zones in the Frontal and Temporal Lobes <i>C. Ajmone-Marsan</i>	564
6. Introduction à l'Étude Clinique des Crises Épileptiques Rétrorolandiques <i>J. Bancaud, J. Talairach, C. Munari, T. Giallonardo et P. Brunet</i>	566
7. Localization of Epileptic Foci in Children <i>W. Blume and M. Kaibara</i>	570
8. Relationships Between Interictal Spiking and Seizures: Human and Experimental Evidence <i>J. Gotman</i>	573
9. EEG, MRI and Pathology in Patients Treated Surgically for Temporal Lobe Epilepsy <i>W. Feindel, Y. Robitaille, D. Tampieri, L. Goossens, M. Li and D. Melançon</i>	577
10. Neuronal Migration Disorders: A Contribution of Modern Neuroimaging to the Etiologic Diagnosis of Epilepsy <i>A. Palmieri, F. Andermann, D. Tampieri, Y. Robitaille, D. Melaçon and R. Ethier</i>	580
11. PET Scanning in Partial Epilepsy <i>J. Engel</i>	588
12. Temporal Lobe Surgery for Epilepsy: Neuropsychological Variables Related to Surgical Outcome <i>G. Leonard</i>	593
13. On the Relative Localizing Value of Common Tests Used in the Preoperative Investigation of Epileptic Patients <i>J.M. St-Hilaire, F. Richer, A. Turmel, I. Rouleau and G. Bouvier</i>	598
14. Temporal Lobectomy: Review of 100 Cases with Major Hippocampectomy <i>T. Rasmussen and W. Feindel</i>	601
15. Temporal Lobectomy with Amygdalectomy and Minimal Hippocampectomy: Review of 100 Cases <i>W. Feindel and T. Rasmussen</i>	603
16. Tailoring of Cortical Excision for Frontal Lobe Epilepsy <i>T. Rasmussen</i>	606
17. Surgery for Central, Parietal and Occipital Epilepsy <i>T. Rasmussen</i>	611
18. Selective Amygdalohippocampectomy: Indications and Follow-up <i>H.G. Wieser</i>	617
19. Relevance of Limbic Structures Removal in the Surgery of Temporal Lobe Epilepsy <i>A. Olivier</i>	628
20. Electrophysiological Analysis of Human Neocortex <i>In Vitro</i> : Experimental Techniques and Methodological Approaches <i>M. Avoli, G.G.C. Hwa, G. Kostopoulos, A. Olivier and J.-G. Villemure</i>	636
21. Biochemical Markers of Excitability in Human Neocortex <i>A.L. Sherwin, O. Vernat, F. Dubeau and A. Olivier</i>	640
22. Bilateral Pathological Damage in Temporal Lobe Epilepsy <i>T. Babb</i>	645
23. Surface Ictal Electroencephalographic Patterns in Frontal vs Temporal Lobe Epilepsy <i>B.E. Swartz, G.O. Walsh, A.V. Delgado-Escueta and P. Zolo</i>	649