

XIX Canadian Congress of Neurological Sciences

Edmonton, Alberta
June 26 - 30, 1984

Canadian Association for Child Neurology, Annual Meeting, June 26, 1984

MORNING SYMPOSIUM:

Welcome to the Old and New Glenrose	E. W. Gauk
The Glenrose Neonatal Follow-up Program "1000 Little Soldiers"	C. M. Robertson
Effects of Maturation and Neurological Impairment on Auditory Evoked Potentials (Brain Stem Middle and Late)	P. Kileny
Rehabilitation of Head Injured Children	J. M. Watt
The Use of Electrical Muscle Stimulation in Treatment of Idiopathic Scoliosis	J. Raso
Use of Endoscopy in Communication Disorders	F. Wilson

GUEST LECTURE:

Recent Developments in the Biochemistry of Inherited Disorders of the Nervous System	L. Wolfe
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AFTERNOON SYMPOSIUM:

Progress in Supranuclear Palsy and Cerebromacular Degeneration	
Chairman: F. Andermann	
J. Wherrett	P. McLeod
J. Tibbles	E. Andermann
L. Wolfe	J. C. Jacob

Congress Educational Courses June 27, 1984

Course 1 - **Peripheral Neuropathies 1984: Advances and Approaches**

Chairmen: *J. Stewart — Montreal*
L. Heffernan — Halifax

Structure of Normal and Abnormal Nerve	G. Bray
The Assessment of the Patient with a Neuropathy: 1984 Approach	A. Asbury
Function and Dysfunction of Healthy and Diseased Nerves	W. Brown
Acute Neuropathies:	
a) Difficulties in diagnosis	J. Humphrey
b) Difficulties in management	J. Stewart
c) Pathogenesis of Guillain-Barré: Update	T. Feasby
d) Plasma exchange update	J. Humphrey
Diabetic Neuropathies	A. Asbury

Chronic Demyelinating Neuropathies:	
a) Overview	G. Bray
b) Hereditary Types	G. Bray
c) Chronic Inflammatory Types	J. Humphrey
d) Type Associated with Paraproteinemia	T. Feasby
Discussion and Closing Remarks	A. Asbury

Course 2 - Anatomical Review 1984

Chairman: *T. Myles*

Anterior Circulation Aneurysms	A. Rhoton
Posterior Circulation Aneurysms	K. Sugita
Cerebello-pontine Angle	C. Tator
Spinal Cord and Nerve Roots	I. Turnbull
Brachial Plexus	A. Hudson

Course 3 - Tumors of the Nervous System

Chairman: *P. Muller*

Brain Tumor Incidence, Treatments, and Results of therapy — an overview	P. Muller
Experimental Neuro-oncology	D. Bigner
a) human gliomas in nude mice	
b) chemical brain tumor induction	
c) monoclonal antibodies in diagnosis and treatment	
Primitive Neuroectodermal Tumors — changing concepts	L. Becker
Current Chemotherapy of Adult and Childhood Brain Tumors	V. Levin
Laser and Photoradiation Therapy	J. Boggan
Discussion	

SPECIAL LECTURES AND SYMPOSIA

THURSDAY, JUNE 28, 1984

Presidential Address

The Impact of Head Trauma on Society - L. Ivan, Ottawa

The Royal College Lecture

Trigeminal Nerve and Trigeminal Neuralgia - A. Rhoton, Gainesville, Florida

Heritage Lecture

Surgical Problems on Direct Approaches to A.V.M.'s - K. Sugita, Matsumoto, Japan

Canadian Neurological Society Guest Lecture

Experimental Studies in Brain Cardiovascular Control Systems — Implications in Hypertension and Cerebrovascular Disorders - J. Conomy, Cleveland, Ohio

FRIDAY, JUNE 29, 1984

Canadian League Against Epilepsy Penfield Award Lecture

McKenzie Award Lecture

Spontaneous Intracerebral Hemorrhage: Analysis of Factors Affecting Prognosis - A. Dixon, Halifax

McNaughton Prize Lecture

Stroke Risk Determinants in Patients with Asymptomatic Cervical Bruits - B.R. Chambers, Toronto

Canadian Neurosurgical Society Penfield Lecture

Neurosurgical Applications of Brain Imaging - W. Feindel, Montreal

SATURDAY, JUNE 30, 1984

Symposium A: Low Back Problems: Newer Management Techniques

Chairman: *A. Godon*

Physiological Approaches to Pain	G. Lucier
Epidural Spinal Cord Stimulation	K. Kumar
Deep Brain Stimulation	P. Allen
Facet Joint Syndromes	P. Dupuis
A Pain Clinic Perspective	I. Clarke
Panel Discussion — The "Failed Back"	

Symposium B: Dementias and Alzheimer's Disease

Chairman: *P. McGeer*

Positron Emission Tomography in Alzheimer's Disease	D. Comar
Combined Positron Emission Tomography and Nuclear Magnetic Resonance Studies in Dementias	P. McGeer
Tangles, Plaques and the Basal Forebrain: A Critical Evaluation of Histopathology in Alzheimer's Disease	N. Ball
Altered Chromatin Structure in Alzheimer's Disease	D. Crapper-McLachlan
Relative Importance of Acetylcholine Neurons in Alzheimer's Disease	P. Etienne
Neuropathology and Biochemistry of Alzheimer's Disease	H.M. Wisniewski
Panel Discussion - Future Approaches to the Problems of Dementias	