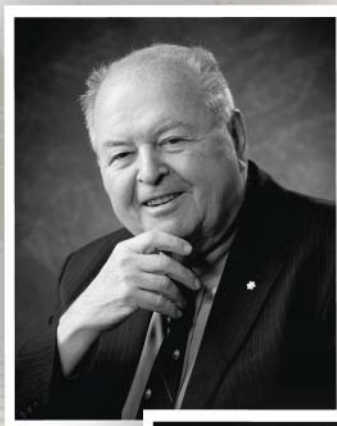


Epilepsy at the Cutting Edge

A SYMPOSIUM TO HONOUR
FRED AND EVA ANDERMANN

MONTREAL NEUROLOGICAL INSTITUTE & HOSPITAL, MCGILL UNIVERSITY
OCTOBER 23-25, 2008





INTRODUCTION & WELCOME

(8:15 – 8:30)

D Colman Director, Montreal Neurological Institute and Hospital
R Riopelle Chair, Neurology & Neurosurgery, McGill University
R Levin Vice-President (Health Affairs) & Dean,
Faculty of Medicine, McGill University

MALFORMATIONS OF CORTICAL DEVELOPMENT

(8:30 – 12:00)

8:30 – 10:00 **SESSION 1 : Genetics**

Chairs: **MM Guerreiro** University of Campinas, Brazil
HJ Meencke Epilepsy Center Berlin-Brandenburg, Germany

Lissencephaly, pachygyria & double cortex syndrome: clinical patterns and genetics
WB Dobyns University of Chicago, USA

Polymicrogyria and nodular heterotopia: clinical patterns and genetics
R Guerrini University of Florence, Florence, Italy

Brain development: what have clinical and genetic studies taught us?
CA Walsh Deaconess Medical Center, Boston, USA

10:00 – 10:30 *Coffee Break*

10:30 – 12:00 **SESSION 2 : Challenges in Diagnosis**

Chairs: **RI Kuzniecky** New York University, USA
A Arzimanoglou Institute for Children and Adolescents with Epilepsy,
Lyon, France

Challenges in the radiological identification of malformations of cortical development
AJ Barkovich University of California, San Francisco, USA

Electrophysiology of the focal cortical dysplasias
A Palmi Pontifica Catholic University of Rio Grande do Sul,
Porto Alegre, Brazil

Pathophysiology of Tuberos Sclerosis Complex
PB Crino University of Pennsylvania, Philadelphia, USA

12:00 – 13:30 *Lunch*

KEYNOTE ADDRESS

(13:30 – 14:30)

Chair: **SD Shorvon** UCL Institute of Neurology, London, England

Borderlands of epilepsy: a clinical and molecular view 100 years on
SF Berkovic University of Melbourne, Australia

14:30 – 15:00 *Coffee Break*

GENERALIZED EPILEPSIES

(15:00 – 17:00)

15 :00 – 17 :00 **SESSION 3 : Syndromes**

Chairs: **M Pandolfo** Université Libre de Bruxelles, Belgium
K Laxer California Medical Center, San Francisco, USA

Channelopathies: JME
P Cossette Université de Montréal, Canada

Generalized epilepsies - genetic twists in the channels and other tales
I Scheffer University of Melbourne, Australia

Unverricht-Lundborg disease
P Genton Hôpital Henri Gastaut-Centre Saint Paul, Marseille, France

Febrile seizures and their relationship to later epilepsies
B Abou-Khalil Vanderbilt University Medical Center, Nashville, USA

PERSONAL RECOLLECTIONS

(17:15 – 18:15)

Chairs: **B Zifkin** Montreal Neurological Institute and Hospital, Canada
D Keene Children's Hospital of Eastern Ontario, Ottawa, Canada

Historical notes
W Feindel Montreal Neurological Institute and Hospital, Canada



8:15 – 8:30 **EPILEPSY IN CANADA**
L Carmant Canadian League Against Epilepsy and
 Université de Montréal, Canada

FOCAL EPILEPSIES
(8:30 – 17:00)

8:30 – 10:00 **SESSION 4 : Genetics**
Chairs: Y Fukuyama Child Neurology Institute, Tokyo, Japan
M Shevell Montreal Children's Hospital, Canada

Benign temporal lobe epilepsy
A Gambardella University Magna Graecia, Catanzaro, Italy

Familial mesial temporal lobe epilepsy
I Lopes-Cendes University of Campinas, Brazil

Familial frontal lobe epilepsy
P Tinuper University of Bologna, Italy

10:00 – 10:30 *Coffee Break*

10:30 – 12:00 **SESSION 5: Electrophysiology**
Chairs: K Silver University of Chicago, USA
B Rosenblatt Montreal Children's Hospital, Canada

Understanding the epileptogenicity of the lesions with intracerebral EEG
F Dubeau Montreal Neurological Institute and Hospital, Canada

From epileptogenic lesion to epileptogenic network
P Kahane Université Joseph Fourier, Grenoble, France

High Frequency Oscillations (HFOs): The new EEG frontier?
J Gotman Montreal Neurological Institute and Hospital, Canada

Co-registered EEG/Magnetoencephalography for source localisation
H Stefan University of Erlangen-Nuremberg, Germany

12:00 – 13:30 *Lunch*

13:30 – 15:00 **SESSION 6 : Imaging**
Chairs: D Tampieri Montreal Neurological Institute and Hospital, Canada
A Bernasconi Montreal Neurological Institute and Hospital, Canada

Quantitative MRI techniques in temporal lobe epilepsy
F Cendes University of Campinas, Brazil

New anatomical and functional MRI techniques
GD Jackson Brain Research Institute, Melbourne, Australia

Functional imaging in focal epilepsy: neurotransmission and metabolism
J Engel, Jr University of California, Los Angeles, USA

15:00 – 15:30 *Coffee Break*

15:30 – 17:00 **SESSION 7 : Cognitive Studies**
Chairs: O Eeg-Olofsson Uppsala University, Sweden
M Jones-Gotman Montreal Neurological Institute and Hospital, Canada

Neuropsychological evaluation: children are not small adults
ML Smith University of Toronto, Canada

Cognitive deficits and developmental speech disorders in MCDs
AC Jansen University Hospital, Brussels, Belgium

Cognitive mapping through electrophysiology
G Ojemann University of Washington School of Medicine, Seattle, USA

PERSONAL RECOLLECTIONS
(17:15 – 18:15)

Chairs: G Rémillard Montreal Neurological Institute and Hospital, Canada
P Hwang University of Toronto Epilepsy Program, Canada

BANQUET
(19:45)
(Banquet attendance by prepaid reservation)

SATURDAY, OCTOBER 25, 2008

8:15 – 8:30 *The Montreal Neurological Institute Surgical Tradition*
A Olivier Montreal Neurological Institute and Hospital, Canada

8:30 – 10:00 **SESSION 8 : Surgery and other approaches**

Chairs: N Moshé Albert Einstein College of Medicine, New York, USA
A Cole Harvard University, Cambridge, USA

Why does temporal lobectomy for mesial TLE sometimes fail?
Y Comair Baylor College of Medicine, Houston, USA

Non-resective and less invasive surgical treatments for refractory epilepsies
N Barbaro University of California, San Francisco, USA

New methods of drug therapy for epilepsy
R Fisher Stanford University, Palo Alto, USA

10:00 – 10:30 *Coffee Break*

10:30 – 12:00 **SESSION 9 : Catastrophic Epilepsies**

Chairs: N Fejerman Hospital Nacional de Pediatría, Buenos Aires, Argentina
H Oguni Tokyo Women's Medical University, Japan

Managing epilepsy in tuberous sclerosis complex
EA Thiele Massachusetts General Hospital, Cambridge, USA

Rasmussen's encephalitis: Are there new, better therapeutic medical and surgical guidelines?

O Dulac Hôpital Necker Enfants-Malades, Paris, France

Medical and surgical management of infantile spasms
HT Chugani Children's Hospital of Michigan, Detroit, USA

REFLECTIONS

(12:00 – 12:30)

Fred & Eva Andermann Montreal Neurological Institute & Hospital

12:30 – 13:30 *Light Lunch*

SPONSORS



MONTREAL
NEUROLOGICAL
INSTITUTE
AND HOSPITAL
McGill University

INSTITUT ET
HÔPITAL
NEUROLOGIQUES
DE MONTRÉAL
Université McGill



UCB Pharma Canada Inc.



McGill University
Université McGill

Lundbeck
Proctor & Gamble
Oryx Pharmaceuticals
Savoy Foundation
Schering-Plough
Stellate
4-D NeuroImaging

Organized by David Colman, PhD, Director, Montreal Neurological Institute
François Dubeau, MD, Associate Professor
Jean Gotman, PhD, Professor