



CANADIAN
NEUROLOGICAL
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DU CANADA

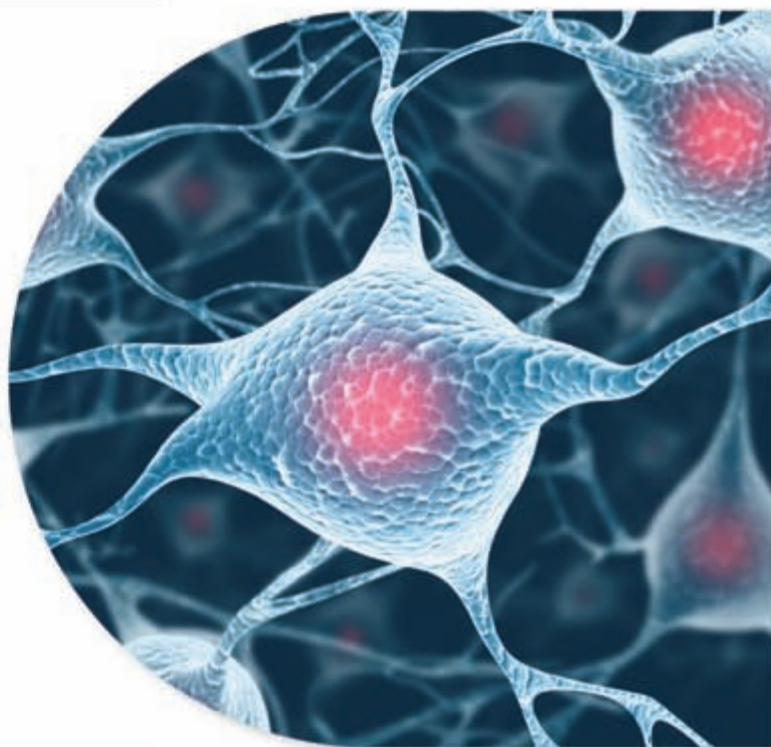


final program



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*44th Annual Congress of the
Canadian
Neurological
Sciences Federation
June 9-12, 2009*



44th Annual Congress of the
Canadian Neurological Sciences Federation:
Epilepsy Industry Co-developed Symposium

Managing epilepsy in
the 21st century:
Upgrade your knowledge

Wednesday, June 10, 2009

12:00 pm – 1:30 pm

The World Trade & Convention Center
Room 301/302 3rd floor – Halifax, Nova Scotia



Canadian
Neurological Society  Société
canadienne de neurologie

This event is an Accredited Group Learning Activity (Section 1)
as defined by the Maintenance of Certification program of
The Royal College of Physicians and Surgeons of Canada and
approved by the Canadian Neurological Society (CNS).

Educational grant provided by
UCB PHARMA CANADA INC.



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The Learning Objectives

Introduction & Welcome

J. C. Martin del Campo, MD, FRCPC

New add-on therapies for the treatment of partial onset seizures

Steve S. Chung, MD

Neurosurgical evaluation of refractory patient - strategic approach

Samuel Wiebe MD, MSc, FRCPC

Epilepsy management in special populations: the elderly

Richard Desbiens MD, FRCPC

Panel discussion

Moderated by *J. C. Martin del Campo, MD, FRCPC*

WELCOME MESSAGE

Scientific Program Chair Mike Tymiński, Vice Chairs Michael Hill and John Stewart, their Committee members (listed below), the CNSF Board and staff welcome you to the 44th Congress of the Canadian Neurological Sciences Federation.

We are confident that this year's Program is responsive to what our delegates have indicated, from past Congress Surveys and Evaluations, are their Continuing Professional Development needs.

Some examples which are a direct response to this feedback include:

1. Refinements to the scope and objectives for the Neurobiology Review Course, now called the Advances in the Neurobiology of Disease Course. This promises to be a session you do not want to miss.
2. The Neuroradiology and Neurovascular Courses are now adjacent to each other and delegates are encouraged to move between the two as interest dictates.
3. The Neuro-ophthalmology Course has been introduced to the Program as the result of the expressed interest from delegates.
4. The EMG and MS Courses return to the Program as requested.
5. Abstract submissions were again very high so expect to see quality Platform and Digital Poster presentations. The Digital Poster format continues to improve and delegate and presenter feedback is helping us to make this presentation even better and more effective.
6. Expect more Digital Poster stations, more Congress Course Notes printing stations and the same exciting Plenary Lectures that you've come to expect; including our Distinguished Guest Lecturer Ms. Margaret Atwood.

During this Congress there will be opportunities for you to:

1. Network with colleagues, mentors and friends.
2. Rejuvenate your practice with additional knowledge and skill.
3. Stimulate your thinking.
4. Earn Section 1 MOC Credits.

We hope you find this Congress as educational, broad based, innovative, creative and exciting as we do.

Please tell us how we are doing by completing the Session/Course Specific Evaluation Forms, which will be in the Course and other session rooms, and the Overall Congress Evaluation, available on-line and in your registration package. It is important that you provide us this feedback so we can continue to improve and better meet your Continuing Professional Development needs.

Again, welcome and thank you.



George Elleker
President
CNSF



Mike Tymiński
Chair
Scientific Program Committee

Please visit the following web sites for further information on the Congress and the City of Halifax
www.cnsfederation.org www.halifaxinfo.com

CNSF Executive Committee

The Executive Committee oversees the affairs of the organization, making decisions on behalf of the Board between full Board meetings and serves as a liaison between the Board and the Chief Executive Officer. The CNSF President, two Vice-Presidents, and Chief Executive Officer serve on the Executive Committee.

George Elleker, CNSF President

Garth Bray, CNSF Vice-President

Derek Fewer, CNSF Vice-President

Dan Morin, CNSF Chief Executive Officer

CNSF Scientific Program Committee

The Scientific Program Committee is responsible for planning all aspects of the scientific programs for the annual CNSF Congress, which is an accredited learning activity approved for Section I credits as defined by the Royal College of Physicians and Surgeons of Canada.

Dr. Mike Tymiński CNSS (Chair, SPC)
Dr. John Stewart CNS (Vice Chair, SPC)
Dr. Michael Hill CNS (Vice Chair, SPC)
Dr. Jeanne Teitelbaum CNS
Dr. Richard Desbiens CNS
Dr. Derek Fewer CNSS
Dr. Chris White CSCN
Dr. Eric Massicotte CNSS
Dr. Juliette Hukin CACN
Dr. Peter Smith (CAN Representative)
Dr. Brian Wheelock CNSS (Chair, PDC)
Dr. George Elleker CSCN

Dr. Seyed Mirsattari CSCN
Dr. Cecil Hahn CACN
Dr. Greg Hawryluk CNSS
Residents' Rep.
Dr. Vijay Ramaswamy CACN
Residents' Rep.
Dr. Teneille Gofton CNS
Residents' Rep.
Mr. Dan Morin CNSF CEO
Ms. Lisa Bicek CNSF Rep.
Mr. Brett Windle CNSF Rep.

GENERAL MEETING INFORMATION

MEETING LOCATION, REGISTRATION AND SOCIAL EVENTS

MEETING SITE

The World Trade and Convention Centre
1800 Argyle Street
Halifax, Nova Scotia B3J 2V9

ALL COURSES AND MEETINGS ARE AT THE WORLD TRADE AND CONVENTION CENTRE UNLESS OTHERWISE STATED

DELEGATE & EXHIBITOR REGISTRATION – ON SITE

Registration Desk

The World Trade and Convention Centre

Tuesday, June 9	06:30 – 18:30
Wednesday, June 10	07:00 – 18:30
Thursday, June 11	07:00 – 18:30
Friday, June 12	07:00 – 13:30

CANADIAN NEUROLOGICAL SCIENCES FEDERATION'S FUTURE CONGRESS SITES

June 8-11, 2010	Quebec City, Quebec
June 14-17, 2011	Vancouver, British Columbia

REGISTRATION DETAILS

Full Registration

- Full registrants can attend all sessions of the 2009 Annual Congress from Tuesday, June 9 through Friday, June 12.
- Includes the Sponsors' and Exhibitors' Reception.

One-Day Registration

- One-day registrants can attend all sessions on that day as well as the Sponsors' and Exhibitors' Reception on Wednesday, or lunch in the Exhibit Hall on Thursday or Friday, if you are registered on those days.

Badges

- Delegates must wear their badges at all times to gain entry to Congress Courses, Scientific Sessions and evening events. Tickets will be sold and collected for the Maritime Lobster Supper and Kitchen Party.



SOCIAL EVENTS

RESIDENTS' BREAKFAST

Tuesday, June 9, 2009 - 07:15-08:30

World Trade and Convention Centre - All residents are invited to attend and to meet with their colleagues and CNSF Board members. Complimentary continental breakfast provided.

SPONSORS' AND EXHIBITORS' RECEPTION

Wednesday, June 10, 2009 - 17:00-18:30

World Trade and Convention Centre - Room 200 Grand Ballroom
Wine & Cheese. Cash bar. **Must have badges for entry.**

CACN DINNER

Wednesday, June 10, 2009 - Time: 19:00

Location: Colleague Joe Dooley is host to the annual CACN Dinner at his home in Halifax. Address to follow upon registration. Tickets are \$80 per person.

MARITIME LOBSTER SUPPER AND KITCHEN PARTY

Thursday, June 11, 2009

Reception 18:00, Dinner and Dancing 19:00

Location: Cunard Centre. Socialize with your friends and colleagues on historic Pier 23 along the Halifax harbour front while enjoying a traditional lobster feast! Tickets are \$85 per person and are available when registering. (See page 43 for more information). *The CNSF extends its thanks to our Halifax Social Committee for developing the concept and making local arrangements for this event. They are: Ian Fleetwood, Gordon Gubitz, Sean Christie, Heather Stoyles, Debbie Beveridge, Rayleen Murphy and Judi Phillips.*

Educational Objectives for the 2009 Congress:

By the end of the Congress the participants will be able to:

- * Discuss advances in the management of acute and chronic neurological and neurosurgical disorders
- * Discuss new findings in muscular dystrophies and demyelinating disease in children
- * Describe new invasive techniques for treating neurovascular disorders
- * Summarize advances in the neurobiology of the autonomic nervous system

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Tuesday, June 9, 2009

- 07:15-08:30 Residents' Breakfast
Suites 304-305
- 08:15-17:00 **Advances in the Neurobiology of Disease**
Suites 301-303
- 08:30-17:00 **ALS**
Room 200 C2
- 08:30-17:00 **Child Neurology Day**
Suites 202-203
- 12:00-13:30 Lunch
- 13:30-15:30 **ALS Breakout 2**
Room 200 C1
- 18:00-20:00 **Epilepsy Video Session**
Room 200 C2
- 18:00-20:00 **Movement Disorders SIG**
Room 200 C1
- 18:00-20:00 **Headache SIG**
Suites 202-203
- 18:00-20:00 **Neuromuscular SIG**
Suites 301-303

- 13:30-17:00 **Concurrent Neurovascular Course - Clinical Neurovascular**
Suite 306
- 13:30-17:00 **Spine**
Suite 303
- 13:30-17:00 **Neurocritical Care**
Suite 304
- 13:30-17:00 **Epilepsy**
Room 200 C1/C2
- 13:30-17:00 **EMG**
-Delta Halifax Hotel - McDonald and Mayflower Rooms
-Dalhousie University - Gross Anatomy Lab Room 14G
- 13:30-17:00 **Neuro-ophthalmology**
Suite 205
- 17:00-18:30 Sponsors' and Exhibitors' Reception
Room 200 DE
- 18:30-20:00 **Industry Co-developed Diabetic Neuropathic Pain Symposium (Boehringer Ingelheim)**
Suites 202-204
- 19:00-TBA **CACN Dinner**

Wednesday, June 10, 2009

- 08:00-10:00 **Grand Opening Plenary - Scientific and Technical Advances in the Clinical Neurosciences**
Room 200 C1/C2
- 10:00-10:15 Break
Foyer - Level 2 Concourse
- 10:15-11:45 **Chair's Select Plenary Presentations**
Room 200 C1/C2
- 12:00-13:30 **Industry Co-developed Neuropathic Pain Symposium (Pfizer Canada)**
Suites 202-204
- 12:00-13:30 **Industry Co-developed Epilepsy Symposium (UCB Pharma Canada)**
Suites 301-302
- 13:30-17:00 **Concurrent Neurovascular Course - Neuroradiology**
Suite 305

Thursday, June 11, 2009

- 08:00-09:30 **Plenary-CNS, CACN & CSCN**
Room 200 C1
- 08:00-09:30 **Plenary-CNSS**
Room 200 C2
- 09:30-10:00 Break
Room 200 DE
- 09:30-10:00 Digital Poster Viewing
- See page 56/62 3rd Floor Atrium
- 10:00-12:15 **Platform Sessions (General Neurology)**
- See page 47 Suite 203
- 10:00-12:15 **Platform Sessions (General Neurosurgery & History) - See page 48 Suite 202**
- 10:00-12:15 **Platform Sessions (Pediatric Neurology I)**
- See page 48 Room 200 C2
- 10:00-12:15 **Platform Sessions (Spine I)**
- See page 49 Suite 204
- 10:00-12:15 **Platform Sessions (Epilepsy I)**
- See page 50 Suite 205



Thursday, June 11, 2009 (continued)

- 10:00-12:15 **Platform Sessions (Stroke/Cerebrovascular Surgery I)**
- See page 50 *Room 200 C1*
- 12:15-14:00 Lunch/Exhibit Viewing *Room 200 DE*
- 12:15-14:00 Digital Mini-platforms
- See page 56 *3rd Floor Atrium*
- 14:00-16:30 **Platform Sessions (MS/Dementia)**
- See page 51 *Room 200 C2*
- 14:00-16:30 **Platform Sessions (Movement Disorders/Neuromuscular)**
- See page 52 *Suite 203*
- 14:00-16:30 **Platform Sessions (General Neurosurgery II)**
- See page 52 *Suite 202*
- 14:00-16:30 **Platform Sessions (Spine II)**
- See page 53 *Suite 204*
- 14:00-16:30 **Platform Sessions (Stroke/Cerebrovascular II)**
- See page 54 *Room 200 C1*
- 14:00-16:30 **Platform Sessions (Neuro-Oncology)**
- See page 54 *Suite 205*
- 14:00-16:30 **Platform Sessions (Trauma/Critical Care)**
- See page 55 *Suite 306*
- 16:30-17:30 Exhibit Viewing *Room 200 DE*
- 16:30-17:30 Digital Poster
- See page 56 *3rd Floor Atrium*
- 18:00-24:00 Maritime Lobster Supper and Kitchen Party
Cunard Centre

Friday, June 12, 2009

- 08:00-08:15 Journal Editors' Report
Room 200 C1/C2
- 08:15-08:30 CBANHC Report
Room 200 C1/C2
- 08:30-09:30 **Distinguished Guest Lecture:**
Ms. Margaret Atwood
Room 200 C1/C2
- 09:30-10:15 Break/Exhibit Viewing/Atwood Book Signing
Room 200 DE
- 09:30-10:15 Digital Poster Viewing *3rd Floor Atrium*
- See page 56/62
- 10:15-12:00 **Grand Rounds**
Room 200 C1/C2
- 12:00-13:30 Lunch/Exhibit Viewing
Room 200 DE
- 12:00-13:30 Digital Mini-platforms
- See page 56 (Thursday)
- See page 62 (Friday)
- 13:30-17:00 **Peripheral Nerve**
Suite 304
- 13:30-17:00 **What's New in Neurosurgery?**
Room 200 C2
- 13:30-17:00 **EEG**
Suite 202
- 13:30-17:00 **Endoscopy**
Suite 203
- 13:30-17:00 **Dementia**
Suite 204
- 13:30-17:00 **What's New in Neurology?**
Suite 305
- 13:30-17:00 **Multiple Sclerosis**
Suite 200 C1

All Meetings are held at the World Trade and Convention Centre unless otherwise stated.

ABBREVIATION GUIDE

Annual General Meeting (AGM); Canadian Association of Child Neurology (CACN); Canadian Neurological Sciences Federation (CNSF); Canadian Journal of Neurological Sciences (Journal); Canadian Neurological Society (CNS); Canadian Neurosurgical Society (CNSS); Canadian Society of Clinical Neurophysiologists (CSCN); Neurological Sciences Foundation of Canada (NSFC).
Bold type shows scientific program events. Non-bold shows business and other events.



Monday, June 8, 2009

- 14:30-15:30 CNSF Committee Meeting - Governance
Empress Room - Delta Halifax
- 15:30-20:00 CNSF and NSFC Board Meeting
Empress Room - Delta Halifax

Tuesday, June 9, 2009

- 07:00-08:00 CACN Council Meeting
Suite 101
- 12:00-13:00 CNS Neurology Residents Meeting
Suite 305
- 12:00-13:00 CSCN EMG Section Meeting
Suite 304
- 12:30-16:30 Royal College Specialty Committee Neurology
Suite 306
- 13:00-14:00 CSCN EEG Section Meeting
Suite 304
- 13:30-15:30 CNSF Committee Mtg.-Professional Development
Suite 305
- 14:30-16:30 CNSF Committee Mtg.-Scientific Program
Suite 305
- 14:30-16:30 CNSF – The Journal Editorial Board Meeting
Suite 304
- 16:30-18:00 CSCN Council Meeting
Suite 304
- 16:30-18:00 CNSS Council Meeting
Suite 306
- 17:00-18:00 CACN Annual General Meeting
Suite 202
- 17:30-18:30 CNSS Neurosurgery Residents' Meeting
Suite 305

Wednesday, June 10, 2009

- 07:00-08:00 Canadian Headache Society AGM
Suite 303
- 11:30-12:30 Canadian Pediatric Neuromuscular Research
Suite 101

Thursday, June 11, 2009

- 07:00-08:30 Canadian Board of Registration EEG Meeting
Suite 306
- 07:00-08:30 Royal College Specialty Committee Neurosurgery
Suite 305
- 07:00-08:00 CNSF Committee Meeting – Affiliate Societies
Suite 304
- 07:00-08:00 CNS Council Meeting
Level 2 Boardroom
- 12:00-13:30 Canadian Pediatric Epilepsy Group Network
Suite 101
- 12:30-13:30 Canadian Neurocritical Care Society Meeting
Suite 305
- 13:00-14:00 Canadian Pediatric Neurosurgical Study Group
Suite 304
- 16:30-17:30 CNS Annual General Meeting
Suite 305

Friday, June 12, 2009

- 07:00-08:00 CSCN Annual General Meeting
Suite 202
- 07:00-08:00 CNSS Annual General Meeting
Suite 203
- 10:15-11:15 CBNHC Coalition
Level 2 Boardroom
- 12:00-13:30 CNSF Board & Associate Meeting
Suite 205
- 12:00-13:30 Canadian Neuromuscular Group Meeting
Level 2 Boardroom

All Meetings are held at the World Trade and Convention Centre unless otherwise stated.
Business Meetings are sponsored by The Advance Group.





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CONGRESS SPONSORS

The Canadian Neurological Sciences Federation is pleased to recognize those Sponsors who have already committed to supporting the 2009 Congress. These organizations partner with CNSF to determine the causes of, and develop treatment for diseases and injuries of the nervous system, and in the care of patients with these diseases and injuries. Along with their support of the Canadian Journal of Neurological Sciences and other initiatives the CNSF maintains throughout the year, these organizations graciously provided unrestricted educational grants to the Annual Congress, this year in Halifax, Nova Scotia, June 9-12, 2009.

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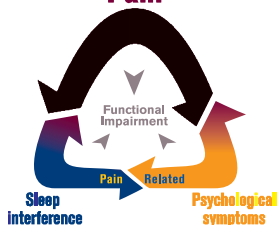
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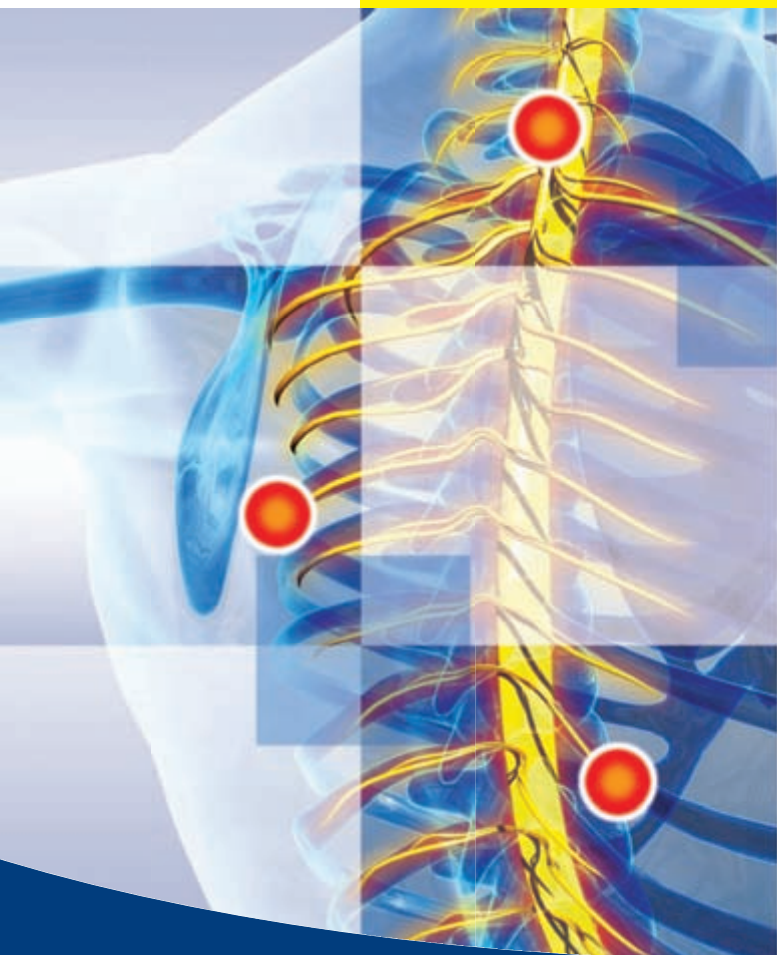
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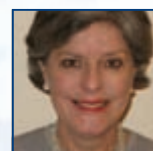


CENTRAL SENSITIZATION

in Various Neuropathic Pain Models



Chairman
Dr. Gregg MacLean, MD
Neurologist



Content Expert
Dr. Mary-Ann Fitzcharles, MB, ChB, MRCP(UK), FRCP(C)
Rheumatologist

LUNCHEON SYMPOSIUM

Wednesday, June 10, 2009 ~ 12:00 – 1:30 p.m.

Location:

The World Trade and Convention Centre, Room 202 – 204
Halifax, NS

Following this interactive workshop, you will be able to:

- **Define** the role of central sensitization in the various neuropathic pain models
- **Recognize** various models of neuropathic pain
 - » CRPS, CNeP, Trigeminal neuralgia, Fibromyalgia
- **List** available treatment options for the various models



Canadian Neurological Society  Société canadienne de neurologie



Pfizer Pain Leadership
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SCIENTIFIC SESSIONS - MEETING AT A GLANCE

TUESDAY

June 9, 2009

08:15-17:00
Advances in the
Neurobiology of Disease
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08:30-17:00
ALS Strategies for Quality
Life/Quality Care
page 18

08:30-17:00
Child Neurology Day
page 19

18:00-20:00
Epilepsy Video Session
page 20

18:00-20:00
Movement Disorders SIG
page 20

18:00-20:00
Headache SIG
page 21

18:00-20:00
Neuromuscular Disease SIG
page 21

WEDNESDAY

June 10, 2009

08:00-10:00
Grand Opening Plenary:
Scientific and Technical
Advances in the Clinical
Neurosciences
page 22

10:15-11:45
Chair's Select Plenary
Presentations
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12:00-13:30
Epilepsy Co-developed
Industry Symposium (UCB
Pharma Canada)
page 23

12:00-13:30
Neuropathic Pain Co-
developed Industry
Symposium (Pfizer Canada)
page 23

13:30-17:00
Concurrent Neurovascular
Course - Neuroradiology
page 24

13:30-17:00
Concurrent Neurovascular
Course - Clinical
Neurovascular
page 25

13:30-17:00
Spine Course
page 26

13:30-17:00
Neurocritical Care Course
page 27

13:30-17:00
Epilepsy Course
page 28

13:30-17:00
EMG Course
page 29

13:30-17:00
Neuro-ophthalmology Course
page 30

18:30-20:00
Diabetic Neuropathic Pain
Co-developed Industry
Symposium (Boehringer
Ingelheim/Lilly)
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THURSDAY

June 11, 2009

08:00-09:30
Plenary Session: CNS,
CACN and CSCN
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08:00-09:30
Plenary Session: CNSS
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10:00-12:15
Platform Sessions
(6 simultaneous)
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12:15-14:00
Digital Poster and Exhibit
Viewing
page 33

14:00-16:30
Platform Sessions
(7 simultaneous)
page 33

16:30-17:30
Digital Poster and Exhibit
Viewing
page 33

FRIDAY

June 12, 2009

08:00-08:15
Reviewer Award Presentation
and Journal Report
page 34

08:15-08:30
CBANHC Report
page 34

08:30-09:30
Distinguished Guest Lecturer
- Ms. Margaret Atwood
page 34

09:30-10:15
Exhibit Viewing/Atwood
Book Signing
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10:15-12:00
Grand Rounds
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12:00-13:30
Exhibit Viewing/Digital
Mini-Platforms
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13:30-17:00
Peripheral Nerve Course
page 36

13:30-17:00
What's New in
Neurosurgery?
page 37

13:30-17:00
EEG Course
page 38

13:30-17:00
Endoscopy Course
page 39

13:30-17:00
Dementia Course
page 40

13:30-17:00
What's New in Neurology?
page 41

13:30-17:00
Multiple Sclerosis Course
page 42



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www.merckfrosst.com



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Vivre toujours mieux.*

Brenda Banwell

Dr. Banwell graduated with a degree in Medicine from the University of Western Ontario in 1991. She pursued a residency in paediatrics at the Children's Hospital of Western Ontario, University of Western Ontario, from 1991-1994, and a Paediatric Neurology residency at The Hospital For Sick Children, University of Toronto from 1994-1997.

Dr. Banwell successfully completed the American Board Certification in Pediatrics, the Canadian Fellowship Examination in Paediatrics in 1994 and the Canadian Neurology Fellowship Examinations in 1997. After completing training in Paediatrics and Neurology, Dr. Banwell spent two years completing a Neuromuscular Disease Fellowship at the Mayo Clinic, Rochester, Minnesota.

Dr. Banwell is the Director of the Paediatric Multiple Sclerosis Clinic, a multidisciplinary clinic dedicated to children with multiple sclerosis and other acquired demyelinating diseases. Dr. Banwell also runs a weekly paediatric neuromuscular disorders clinic.



Mark Bernstein

Mark Bernstein is a neurosurgeon at Toronto Western Hospital, University Health Network, and Professor of Surgery at the University of Toronto.

His main area of clinical focus is caring for patients with brain tumours. He is also interested in helping advance neurosurgery in the developing world where he makes regular visits to operate and teach. He is also a dedicated educator, having won numerous teaching

awards. In 2003 he completed a Masters of Health Science in Bioethics. His main interests in bioethics are medical error, novel resource utilization, research ethics, informed consent, and neuroethics. He explores these areas using qualitative research methodology. Dr. Bernstein has published well over 200 scientific papers and book chapters, a Textbook of Neuro-Oncology, and over 100 non-medical stories, many of which attempt to bridge the gap between doctors and the public. He is married and has three daughters, and two Labrador retrievers.



Ivar Mendez

Dr. Ivar Mendez is Professor and Head, Division of Neurosurgery and Director of the Neural Transplantation Laboratory, Dalhousie University. Dr. Mendez received his MD and PhD in Anatomy from the University of Western Ontario, London, Ontario where he also completed his post-graduate training in Neurosurgery. After completion of his neurosurgical residency, Dr. Mendez was awarded the Resident Research Prize by the American Congress of Neurological Surgeons



and the William P. Van Wagenen Fellowship by the American Association of Neurological Surgeons. His research Fellowship was done at the Department of Medical Cell Research, University of Lund, Sweden. Dr. Mendez is a Fellow of the Royal College of Physicians and Surgeons of Canada and the American College of Surgeons. As a Clinician/Scientist, Dr. Mendez' research focus is in functional neurosurgery, brain repair, stem cells, robotic neurosurgery and computerized systems in neurosurgical applications. In 2002, Dr. Mendez and his team performed the first long-distance robotic telementoring neurosurgery in the world. His laboratory research has been supported by peer-reviewed funding from a number of sources including the Canada National Centers of Excellence, Canadian Institutes of Health Research, Nova Scotia Health Research Foundation, Atlantic Innovation Fund, and Parkinson's Disease Foundation of USA. As recognition of his research, he was awarded the Clinical Scholar Research Award in 1997, the Royal College Medal Award in Surgery in 1999, the Japan Neurosurgical Society Award in 1999, the Murray L. Barr Scientist Award in 2000, and the Professional of Distinction Award by the Discovery Centre in 2003. In 2004, Dr. Mendez was recognized for his humanitarian activities by receiving The Paul Harris Fellowship Award as well as the Dr. Gerald and Gale Archibald Medical Humanities Award. Dr. Mendez was also the recipient of the Dr. John Savage Award in International Health in 2006. He is recognized internationally as an expert in his field and has extensive scientific publications. Dr. Mendez is the Chairman of the Brain Repair Centre, the largest and most comprehensive neuroscience research initiative in Atlantic Canada.

Michael Sinnreich

Dr. Sinnreich is a neuromuscular neurologist and a clinician scientist. He directs a research laboratory focused on the development of therapeutic strategies for muscular dystrophies and heads the molecular diagnostic laboratory for neuromuscular diseases at the Montreal Neurological Institute.

Dr. Sinnreich has studied medicine and biochemistry simultaneously. He obtained his PhD degree in molecular neurobiology on research performed at the Friedrich Miescher Institute, Basel and his MD degree from the University of Basel, Switzerland. He did his residency in neurology at the Geneva University Hospital, followed by fellowships in peripheral nerve diseases at the Mayo Clinic in Rochester, Minnesota and in muscle diseases at the Montreal Neurological Institute, McGill University, where he joined the Faculty in 2004.

Dr. Sinnreich is a FRSQ clinician scientist and a Killam Scholar. His research activities are supported by numerous granting agencies, including the Canadian Institutes of Health Research (CIHR), Muscular Dystrophy Association Canada (MDAC), Muscular Dystrophy Association USA (MDA-USA), ALS society of Canada, Association Francaise contre les Myopathies (AFM), Fonds de Recherche en Sante Quebec (FRSQ), as well as grants from the Canada Foundation for Innovation (CFI) and Centres of Excellence for Commercialization and Research (CECR).



PLENARY GUEST SPEAKERS



Gary K. Steinberg

Gary K. Steinberg was born on July 31, 1952 in Brooklyn, New York and was raised in Westchester County, New York. He graduated summa cum laude with Honors in Biology from Yale University, where he was elected to Phi Beta Kappa. Before attending medical school he studied classical trumpet on a music study scholarship at the Institute for Advanced

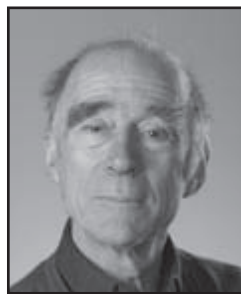
Musical Studies in Montreux, Switzerland. He was accepted into the Medical Scientist Training Program at Stanford University School of Medicine and graduated with a MD and PhD in Neurosciences in 1980. He completed his surgical internship and residency in Neurological Surgery at Stanford. During his training he received an NIH NINDS Individual National Research Service Award to investigate aneurysmal subarachnoid hemorrhage, and he spent one year studying cerebrovascular surgery with Charles Drake in London, Canada.

In 1987 Dr. Steinberg joined the faculty at Stanford as an Assistant Professor in Neurosurgery, being promoted to Associate Professor with tenure in 1993 and Professor in 1997. He was instrumental in forming the Stanford Stroke Center in 1991 and is currently the Co-Director. He was appointed Chairman of the Department of Neurosurgery at Stanford in 1995 and holds the Bernard and Ronni Lacroute-William Randolph Hearst Endowed Chair of Neurosurgery and the Neurosciences. Dr. Steinberg has also been a member of the Neuroscience Institute at Stanford Executive Committee since its inception in 2004. In October, 2008 Dr. Steinberg was appointed Director of the Stanford Institute for Neuro-Innovation and Translational Neurosciences.

Dr. Steinberg's experimental research investigates the pathophysiology and treatment of acute cerebral ischemia, as well as methods to restore function after stroke. His laboratory has studied the role of excitatory amino acids, oxidative stress, inflammation and gene expression on necrotic and apoptotic ischemic injury, and has explored various therapeutic strategies such as NMDA antagonists, anti-inflammatory agents, mild brain hypothermia, gene transfer therapy, stem cell transplantation, and enhanced neurogenesis. He has received numerous grants including the AANS Research Foundation Young Faculty Award, American Heart Association Grant-in-Aid, and NIH NINDS R01 and P01 grants, with continuous NIH funding as Principal Investigator since 1991.

Dr. Steinberg currently serves on the editorial boards of Neurosurgery, Cerebrovascular Diseases, and the Journal of Stroke and Cerebrovascular Diseases. He has been elected to Castle Connolly's Top Doctors in America, America's Top Surgeons, National Register's Who's Who, Best Doctors in America and International Health Professional of the Year. He is an active member of the American Association of Neurological Surgeons, Congress of Neurological Surgeons, Society of Neurological Surgeons, American Academy of Neurological Surgeons, AANS/CNS Joint Section on Cerebrovascular Surgery, American Heart Association Stroke Council, Society of Cerebral Blood Flow and Metabolism, Society for Neuroscience and Western Neurosurgical Society.

Dr. Steinberg is married to Sandra Garritano and they have two children, Jeff and Liz.



Cornelius Tulleken

Prof. Dr. C.A.F. Tulleken is emeritus professor neurosurgeon at the Department of Neurosurgery at the University Medical Centre Utrecht in the Netherlands.

Professor Tulleken has carried out extensive research in the field of neurovascular surgery and is the founder of the ELANA (excimer laser assisted non-occlusive anastomosis) technique which makes it possible to create a bypass

without occluding the brain arteries.

He is still full time dedicated to the project and is spending time in pre clinical research, tutoring PhD students, teaching (foreign) neurosurgeons and supporting new hospitals that have started utilizing the ELANA technique in Europe, North America and Canada.

From 2007 to 2008 he has been an associate of the faculty of St. Luke's Hospital Roosevelt Hospital Centre in New York, USA.

Michael West



Dr. West was raised in Winnipeg and graduated from Vincent Massey Collegiate. He attended the University of Manitoba, Faculty of Sciences for pre-medical training and received his MD from the University of Manitoba. After completion of Medical School he trained in Neurosurgery with Dr. Dwight Parkinson. After completing fellowship training, he practiced Neurosurgery in Winnipeg at the St. Boniface General Hospital and Health Sciences Centre from 1981 to 1994, introducing computer-guided stereotactic surgery in 1986.

He practiced Neurosurgery in the USA from 1994 to 2000, and was recruited to Winnipeg in 2000, from the Cleveland Clinic, as Professor and Head of the Section of Neurosurgery, Winnipeg Regional Health Authority and University of Manitoba. In this role, Dr. West recruited five neurosurgeons and a neurophysiologist. Each member of the Section has a special area of expertise, contributing to the development of new programs in pediatric neurosurgery, vascular neurosurgery (including endovascular treatment of vascular disorders of the brain and spine), deep brain stimulation for movement disorders, surgical treatment for epilepsy, and in collaboration with the Section of Orthopedics, minimally invasive surgery for spinal disorders. In 2003, with support of the Winnipeg Regional Health Authority and the University of Manitoba Department of Surgery, Dr. West established the first Gamma Knife in Canada. Since that time the Winnipeg Unit has been used to treat over 1100 patients from Manitoba and across Canada. He is currently spearheading the development of an extra-cranial radiosurgery program. As well, he is coordinating plans for a neurosurgical operating room that incorporates intra-operative MRI and digital subtraction angiography.

Dr. West's main interests are cerebrovascular surgery, brain tumor surgery, skull base surgery and radiosurgery. Dr. West has won several teaching awards and authored or co-authored over 90 scientific publications and invited lectures. He has been an Examiner in Neurosurgery for the Royal College of Physicians and Surgeons of Canada. He is presently a member of the Accreditation Committee of the Royal College and has completed a seven-year term as Chair of the Specialty Committee in Neurosurgery of the Royal College.

HOW TO OBTAIN CME CREDITS

Maintenance of Certification / Maintien du certificat

The 44th Annual Congress of the Canadian Neurological Sciences Federation is an accredited learning activity approved by the CNS and the CNSS, as defined by the Maintenance of Certification Program of The Royal College of Physicians and Surgeons of Canada.

The Royal College of Physicians and Surgeons of Canada established the Maintenance of Certification program on January 1, 2001. Participation in this program is a requirement for admission to and renewal of Fellowship and for the use of the designations FRCPC and FRCSC.

The 2009 Congress has been approved for Section 1 under the Maintenance of Certification program. This means each attendee is assigned one credit per hour in education sessions. Breaks, lunch, and the poster sessions are excluded.

As Fellows are responsible for keeping track of their hours of participation in educational activities, they should keep a copy of this meeting program and their registration form for future reference. Certificate of Attendance Forms will only be issued once you have completed the Overall Congress Evaluation on-line through a link we will be providing to all delegates, or completed the hard copy we will have in the delegates portfolio distributed at the Congress and faxed it to the CNSF Secretariat at 1-403-229-1661. The deadline for completion and submission is July 6, 2009.

For more information about the Maintenance of Certification Program, please refer to the Royal College website <http://www.rcpsc.medical.org> or e-mail the CNSF secretariat office at lisa-bicek@cnsfederation.org

Le 44^e congrès annuel de la Fédération des sciences neurologiques du Canada est une activité éducative agréée, approuvée par la SNC et la SCNCH selon la définition du programme de maintien du certificat du Collège royal des médecins et chirurgiens du Canada.

Le Collège royal des médecins et chirurgiens du Canada a institué le maintien du certificat le 1^{er} janvier 2001.

Participer à ce programme est obligatoire pour l'obtention ou le renouvellement du titre d'Associé et pour utiliser les mentions FRCPC et FRCSC.

Le congrès 2009 a été approuvé comme activité de la Section 1 du programme de maintien du certificat. Ce qui veut dire que chaque participant reçoit un crédit pour chaque heure de séance éducative. Les pauses, les déjeuners et les présentations affichées n'en font pas partie.

Comme c'est la responsabilité des Associés de tenir une comptabilité de leurs heures de participation aux activités de formation, ils doivent garder une copie du programme de ce congrès et le formulaire d'inscription en vue d'une utilisation ultérieure. Des attestations d'assiduité ne vous seront délivrées que lorsque vous aurez rempli en ligne l'évaluation générale du congrès en utilisant un lien que nous indiquerons à tous les délégués, ou bien lorsque vous aurez rempli la feuille que vous trouverez dans le cartable distribué à tous les délégués au congrès et que vous l'aurez envoyée par télécopie au secrétariat de la FSNC au 1-403-229-1661. Date-limite pour remplir et soumettre l'évaluation: 6 juillet 2009.

Pour plus de renseignements sur le programme de maintien du certificat, veuillez consulter le site web du Collège royal à <http://www.rcpsc.medical.org> ou envoyer un courriel au secrétariat de la FSNC à lisa-bicek@cnsfederation.org

CME Hours

Breaks, lunch and poster sessions are excluded

DATE: TUESDAY, JUNE 9TH, 2009

Advances in the Neurobiology of Disease	6.0
ALS Strategies for Quality of Life/Quality of Care	5.0
Child Neurology Day	7.0
Epilepsy Video Session	2.0
Movement Disorders SIG	2.0
Headache SIG	2.0
Neuromuscular SIG	2.0

DATE: WEDNESDAY, JUNE 10TH, 2009

Grand Opening Plenary - Scientific and Technical Advances in the Clinical Neurosciences	2.0
Chair Select Plenary Presentation	1.5
Epilepsy Co-Developed Industry Symposium	1.5
Neuropathic Pain Co-Developed Industry Symposium	1.5
Concurrent Neurovascular - Neuroradiology	3.0
Concurrent Neurovascular - Clinical Neurovascular	3.0
Spine - Controversies in Spinal Neurosurgery	3.5
Neurocritical Care Course	3.0
Epilepsy Course - Monitoring the Epileptic Brain with EEG	3.5
EMG Course	1.5

Neuro-ophthalmology Course	3.0
Diabetic Neuropathic Pain Co-Developed Industry Symposium	1.5

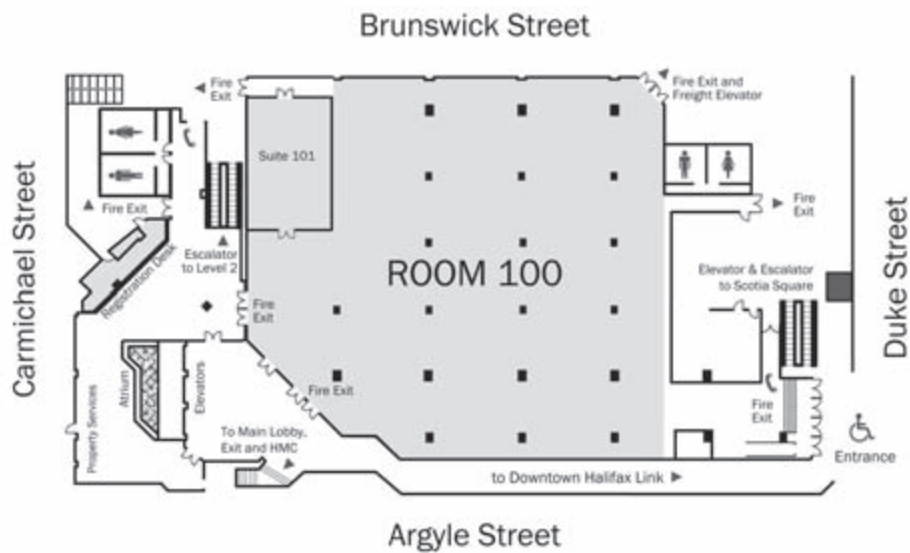
DATE: THURSDAY, JUNE 11TH, 2009

Plenary Session - CNS, CACN and CSCN Neurology	1.0
Plenary Session - CNSS Neurosurgery	1.0
Platform Session - Morning	2.0
Platform Session - Afternoon	2.5

DATE: FRIDAY, JUNE 12TH, 2009

Distinguished Lecturer - Margaret Atwood	1.0
Grand Rounds	2.0
Peripheral Nerve Course	3.0
What's New in Neurosurgery	3.0
EEG Course	3.5
Endoscopy Course - The Role of Endoscopy in Cranial Neurosurgery	3.0
Dementia Course	3.0
What's New in Neurology	3.5
Multiple Sclerosis Course	3.0





Level 1 Floorplan

Level 2 Floorplan



Level 3 Floorplan

Sanofi-aventis and Bristol-Myers Squibb Canada are proud to be Silver Sponsors of the 2009 Canadian Neurological Sciences Federation

Sanofi-aventis, a leading global pharmaceutical company, discovers, develops and distributes therapeutic solutions to improve the lives of everyone. Backed by a world-class R&D organization, the company is developing leading positions in several therapeutic areas: cardiology, thrombosis, oncology, metabolic disorders, the central nervous system, internal medicine and vaccines. Sanofi-aventis is represented in Canada by the pharmaceutical company sanofi-aventis Canada Inc., based in Laval, Quebec, and by the vaccines company Sanofi Pasteur Limited, based in Toronto, Ontario. Together they employ more than 2,000 people across the country.

Sanofi-aventis est un leader mondial de l'industrie pharmaceutique qui recherche, développe et diffuse des solutions thérapeutiques pour améliorer la vie de chacun. Sanofi-aventis s'appuie sur une recherche internationale pour se développer dans plusieurs domaines thérapeutiques : la cardiologie, la thrombose, l'oncologie, les maladies métaboliques, le système nerveux central, la médecine interne et les vaccins. Sanofi-aventis est représentée au Canada par sanofi-aventis Canada Inc., entreprise pharmaceutique établie à Laval, au Québec, et par Sanofi Pasteur Limitée, producteur de vaccins établi à Toronto, Ontario. Ces deux entreprises comptent plus de 2 000 employés un peu partout au pays.

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Advances in the Neurobiology of Disease

08:15-17:00 **Suites 301-303**

Course generously supported through an unrestricted educational grant from NSFC - CNS Don Paty Fund

Chair: Peter Smith, Peter Dirks

Course Outline: To better reflect the objectives and purpose of the Neurobiology Review Course, this session has been renamed and is Chaired by Peter Smith, a basic scientist, and Peter Dirks, a neurologist. The main theme this year is the autonomic nervous system and will lead into discussions of Parkinson's disease, use of stem cells in neurology and clinically relevant aspects of developmental neurobiology.

Learning Objectives: At the end of this session, participants will be able to:

- 1) Integrate changes in autonomic nervous system activity with measurable changes in the patient such as heart rate, blood pressure and temperature.
- 2) Explain the current understanding of the etiology of Parkinson's disease and how it impacts therapeutic management of the disease.
- 3) Explain the advantages and disadvantages of the use of stem cells in the management of neurological disease.

Target Audience: Neurology / neurosurgery residents.

08:15	Introduction
08:30	The autonomic nervous system in health and disease <i>Peter Smith (Edmonton, AB)</i>
09:15	Clinical assessment of autonomic function <i>Zaeem Siddiqi (Edmonton, AB)</i>
10:15	Discussion and break
10:45	Neurobiology of fever and febrile convulsions <i>Quentin Pittman (Calgary, AB)</i>
11:30	Neurobiology of Huntington's disease <i>Eileen Denovan-Wright (Halifax, NS)</i>
12:15	Discussion
12:45	Break
14:00	Role of stem cells in neuronal repair <i>Jeff Biernaskie (Toronto, ON)</i>
14:45	Discussion
15:15	Chemical biology of neural precursors <i>Peter Dirks (Toronto, ON)</i>
16:00	Discussion and evaluation

ALS Strategies for Quality of Life/Quality Care

08:30-17:00 **Room 200 C2**

- Chair:** David Cameron
- Course Outline:** Interactive full day sessions with patients, caregivers, allied health professionals, neurologists, physiatrists, community support agencies: a comprehensive review of current topics in ALS including diagnosis and research, management and advocacy.
- Learning Objectives:** At the end of this symposium, participants will be able to:
- 1) Describe the current clinical and pathophysiological features of ALS.
 - 2) Identify and apply strategies to improve the function and quality of life for people with ALS.
 - 3) Demonstrate an understanding of research initiatives and findings in ALS.
- Target Audience:** Patients, caregivers, allied health professionals, neurologists, physiatrists and community support agencies.

08:30 Registration

09:00 **ALS Canada – mandate & research activities**

David Cameron, (Toronto, ON)

Session I Plenary Presentations - *Chair: Hannah Briemberg (Vancouver, BC)*

09:10 **Update – TDP43** - *Michael Strong (London, ON)*

09:35 **Update – CALS consortium and lithium trial** - *Lorne Zinman (Toronto, ON)*

10:00 Question and answer session

10:20 Break

Session II Panel Presentations - *Chair: Ian Grant (Halifax, NS)*

10:40 **Sexuality and ALS** - *Colleen O'Connell (Fredericton, NB),
Lisa Krivickas (Boston, MA, USA)*

12:00 Question and answer session

12:15 Lunch break

Session III Breakout Sessions - **Room 200 C1**

13:30 **Patients, Caregivers and Healthcare Professionals**

Moderator: Mary Hatcher (Halifax NS)

(1) Panel session with Executive Directors from several provincial ALS societies.

(2) Session on collaborative roles of neuromuscular clinics and neuro-rehab.

13:30 **Physicians and Researchers** - *Moderator: Hannah Briemberg (Vancouver, BC)*

(1) **Pain management in ALS** - *Angela Genge (Montreal, QC)*

(2) **ALS incidence in Nova Scotia over two decades** - *Ian Grant (Halifax, NS)*

15:00 Break

Session IV - *Chair: David Cameron (Toronto, ON)*

15:15 **TBD**

15:45 Concluding remarks and evaluations

David Cameron (Toronto, ON), Mary Hatcher (Halifax NS)



Child Neurology Day**08:30-17:00 Suites 202-203****Chair:** Harvey Sarnat, Joseph Dooley

Course Outline: This session is designed to demonstrate the most recent advances in neuroembryology and its relation to abnormal brain development in malformations, rather than to be a comprehensive review of well known data. It has particular emphasis on advances in diagnostic interpretation based upon molecular genetic programming of the neural tube, neuroimaging features and modern neuropathological findings in cerebral dysgeneses, including new MRI sequences and new immunocytochemical reactivities in tissue sections in fetal and postnatal human brains. The malformations to be discussed include both supratentorial and infratentorial structures. Neural crest development and its relation to certain neurocutaneous syndromes is also included. Finally, new data on the formation of fissures and convolutions of the brain will be presented.

Learning Objectives: At the end of this session, participants will be able to:

- 1) Update current concepts of pathogenetic mechanisms of cerebral dysgenesis.
- 2) Understand the diagnostic capabilities and limitations of neuroimaging in the diagnosis of cerebral malformations.
- 3) Understand the diagnostic capabilities and limitations of neuropathological examination of cerebral malformations.

Target Audience: Neurologists, pediatric neurologists, pediatricians, neuroscience nurses.

- 08:30 Welcome and Introduction
Harvey Sarnat (Calgary, AB), Joseph Dooley (Halifax, NS)
- 08:45 **Synaptogenesis in the developing human brain and in malformations**
Harvey Sarnat (Calgary, AB)
- 09:45 **Effects of hydrocephalus on the developing brain**
Peter Humphreys (Ottawa, ON)
- 10:20 Break
- 10:45 **Neuroimaging in the diagnosis of brain malformations**
Xing-Chang Wei (Calgary, AB)
- 11:45 **Embryology and neurological expression of neurocutaneous syndromes**
Laura Flores-Sarnat (Calgary, AB)
- 12:30 Lunch
- 13:30 **Posterior fossa malformations: The old and the new**
Michael Salman (Winnipeg, MB)
- 14:15 **Septo-optic dysplasia**
Peter Humphreys (Ottawa, ON)
- 14:45 Break
- 15:00 **Telencephalic flexure in normal and abnormal brain development**
Harvey Sarnat (Calgary, AB)
- 15:30 Speaker panel discussion

Epilepsy Video Session

18:00-20:00 *Room 200 C2*

Chair: Richard McLachlan

Course Outline: Seizure semiology is important in the diagnosis of epilepsy. This course will demonstrate how video is useful to diagnose and classify seizures.

Learning Objectives: At the end of this session, participants will be able to:

- 1) Distinguish different seizure types using video.
- 2) Differentiate seizures from other spells.
- 3) Identify physical signs of seizures.

Target Audience: Residents, fellows and medical students, adult and pediatric neurologists, nurses and EEG technologists.

18:00 **Pediatric seizures from the Maritimes**

Peter Camfield (Halifax, NS)

18:30 **More seizures from the Maritimes - redux**

Mark Sadler (Halifax, NS)

19:00 **Crazy seizures**

Jose Martin del Campo (Toronto, ON)

19:30 **What more can I say**

Richard McLachlan (London, ON)

Movement Disorders SIG

18:00-20:00 *Room 200 C1*

Chair: Alex Rajput

Course Outline: This is an interactive video session focusing on the recognition and description, differential diagnosis and treatment of movement disorders.

Learning Objectives: At the end of this session, participants will be able to:

- 1) Describe and differentiate various movement disorders.
- 2) Develop an appropriate differential diagnosis.
- 3) Manage common movement disorders.

Target Audience: Residents, general neurologists and movement disorders neurologists are most welcome and encouraged to participate in the discussions.



Headache SIG**18:00-20:00 Suites 202-203**

SIG generously supported through an unrestricted educational grant from Merck Frosst

Chair: Jonathan Gladstone

Course Outline: This is an interactive session with group discussion of interesting and challenging headache cases. The faculty will present cases of primary and secondary disorders that highlight instructive teaching points regarding clinical diagnosis, diagnostic investigations and/or therapeutic management. Areas of controversy in the field of Headache Medicine as well as new and emerging headache therapies will be reviewed. The audience members will also be invited to submit challenging cases for group discussion.

Learning Objectives: At the end of this session, participants will have:

- 1) Examined and learned from diagnostically challenging primary and secondary headache cases.
- 2) Discussed therapeutic challenges in the management of primary headache disorders and will have shared clinical pearls regarding appropriate management.
- 3) Reviewed current controversial topics in the field of headache medicine and gained an appreciation for clinical practice differences among Canadian neurologists.
- 4) Acquired knowledge about new and emerging developments in the exciting field of headache medicine.

Target Audience: Adult neurologists, pediatric neurologists, headache specialists, neurology/neurosurgery residents; all interested individuals are welcome.

Neuromuscular Disease SIG**18:00-20:00 Suites 301-303**

SIG generously supported through an unrestricted educational grant from Talecris Biotherapeutics

Chair: Kristine Chapman

Course Outline: This is an interactive session, with group discussion of challenging neuromuscular cases. Written summary of the cases will be provided at the end. Ideas for collaborative research / initiatives may be discussed.

Learning Objectives: At the end of this session, participants will:

- 1) Have discussed 6-8 challenging neuromuscular cases.
- 2) Shared ideas for collaborative research / initiatives in neuromuscular disease.
- 3) Have acquired knowledge about new developments in neuromuscular disease.

Target Audience: Neuromuscular specialists, pediatric neurologists, residents with an interest in neuromuscular disease, but all are welcome.

**Grand Opening Plenary -
Scientific & Technical Advances
in the Clinical Neurosciences**
08:00-10:00 Room 200 C1/C2

Course generously supported through an unrestricted educational grant from the Neurological Sciences Foundation of Canada

Chairs: George Elleker, Richard Desbiens

Learning Objectives: At the end of this symposium, participants will:

- 1) Have gained knowledge in laser assisted non-occlusive revascularization of the brain.
- 2) Know what clinical neuroscientists can learn from communicating with patients.
- 3) Know what the immediate future holds as it pertains to brain repair and robotics.

08:00 Welcome & Introduction

08:10 **Laser assisted non-occlusive revascularization of the brain**
Cornelius Tulleken (Utrecht, The Netherlands)

08:45 **What brain doctors can learn from chatting with patients: A qualitative journey**
Mark Bernstein (Toronto, ON)

09:20 **Richardson Lecture – New horizons in neurosurgery: Brain repair and robotics**
Ivar Mendez (Halifax, NS)

**Chair's Select
Plenary Presentations**
10:15-11:45 Room 200 C1/C2

Chair's Select Plenary Presentations are the best of the abstracts submitted to the 2009 Congress

Learning Objectives: At the end of the platform sessions and after reviewing the digital posters, participants will be aware of current research and advances in the care of neuroscience patients in Canada.



**Industry Co-developed Epilepsy
Symposium (UCB Pharma
Canada)**

12:00-13:30 Suites 301-302

This event is an accredited group learning activity (Section 1) as defined by the Maintenance of Certification (MOC) program of the Royal College of Physicians and Surgeons of Canada. It is co-developed by the Canadian Neurological Society and UCB Pharma Canada. This program has been reviewed and approved for one Level 1 credit by the Canadian Neurological Society.

**Industry Co-developed
Neuropathic Pain Symposium
(Pfizer Canada)**

12:00-13:30 Suites 202-204

This event is an accredited group learning activity (Section 1) as defined by the Maintenance of Certification (MOC) program of the Royal College of Physicians and Surgeons of Canada. It is co-developed by the Canadian Neurological Society and Pfizer Canada. This program has been reviewed and approved for one Level 1 credit by the Canadian Neurological Society.

**Concurrent Neurovascular
Course - Neuroradiology
13:30-17:00 Suite 305**

Course generously supported through an unrestricted educational grant from Johnson & Johnson/Codman Neuro

- Chair:** Timo Krings
- Course Outline:** To provide an update on current understanding of cerebral arterial aneurysm pathology, imaging and treatment; both from a neurosurgical and from a neuroradiological therapeutic and diagnostic point of view.
- Learning Objectives:** At the end of this session, participants will be able to:
- 1) Assess different aneurysmal vasculopathies and understand that they represent a wide variety of etiologies.
 - 2) Recommend treatment or therapeutic abstention in unruptured aneurysms.
 - 3) Plan and perform follow-up imaging of treated cerebral aneurysms.
 - 4) Differentiate pediatric aneurysms from adult aneurysms.
- Target Audience:** Neuroradiologists, vascular neurosurgeons, and interventional neuroradiologists.

- 13:30 Introduction
Timo Krings (Toronto, ON)
- 13:45 **The aneurysm wall – the key to a subclassification of aneurysms?**
Timo Krings (Toronto, ON)
- 14:05 Discussion
- 14:20 **Management of unruptured aneurysms – to clip, to coil or to cross your fingers?**
Jean Raymond (Montreal, QC)
- 14:40 Discussion
- 14:55 **Follow-up of treated aneurysms – how, when and why?**
Mayank Goyal (Calgary, AB)
- 15:30 Break
- 15:45 **Pediatric aneurysms – are children small adults?**
Ronit Agid (Toronto, ON)
- 16:05 Discussion
- 16:20 **Advanced neurosurgical and neuroradiological techniques – how would you treat this aneurysm?**
Robert Willinsky, Mike Tymianski (Toronto, ON)
- 16:40 Discussion
- 16:55 Evaluation

Note : The Concurrent Neurovascular Courses will be adjacent to each other and delegates will be encouraged to move between the sessions as their interest dictates.



**Concurrent Neurovascular
Course - Clinical Neurovascular
13:30-17:00 Suite 306**

Course generously supported through an unrestricted educational grant from sanofi aventis / BMS

Chair: Gordon Gubitz, J. Max Findlay

Course Outline: Update on selected stroke and cerebrovascular surgical topics.

Learning Objectives: At the end of this session, participants will:

- 1) Understand current medical treatment of ischemic stroke, including antithrombotic, antihypertensive & statin TX.
- 2) Be updated on carotid endarterectomy, angioplasty and stenting, including current indications for bypass for ischemic disease.
- 3) Be updated on cerebral vasospasm after subarachnoid hemorrhage.
- 4) Understand less common causes of stroke and their management.

Target Audience: Neurologists, neurosurgeons and their trainees.

- | | |
|-------|---|
| 13:30 | Introduction
<i>Gordon Gubitz (Halifax, NS)</i> |
| 13:35 | Carotid revascularization
<i>Cian O'Kelly (Toronto, ON)</i> |
| 14:00 | Discussion |
| 14:10 | Cerebral bypass for ischemic cerebrovascular conditions
<i>Mike Tymianski (Toronto, ON)</i> |
| 14:35 | Discussion |
| 14:45 | Medical treatment of stroke
<i>Gordon Gubitz (Halifax, NS)</i> |
| 15:10 | Discussion |
| 15:20 | Break |
| 15:30 | Less common stroke syndromes and their treatment
<i>Mukul Sharma (Ottawa, ON)</i> |
| 15:50 | Discussion |
| 16:00 | Cerebral vasospasm following subarachnoid hemorrhage
<i>Robert Loch Macdonald (Toronto, ON)</i> |
| 16:25 | Case presentations |
| 16:55 | Evaluation |

Note : The Concurrent Neurovascular Courses will be adjacent to each other and delegates will be encouraged to move between the sessions as their interest dictates.



**Spine Course - Controversies
in Spinal Neurosurgery
13:30-17:00 Suite 303**

Course generously supported through an unrestricted educational grant from Synthes Canada

- Chair:** Eric Massicotte
- Course Outline:** Three specific topics will be debated in order to facilitate discussion. Cervical spondylosis presenting with radiculopathy, fusion versus arthroplasty, timing of decompression for myelopathy.
- Learning Objectives:** At the end of this session, participants will be able to:
- 1) Discuss the indications for cervical arthroplasty.
 - 2) Appreciate the advantages of timing in cervical myelopathy.
 - 3) Discuss the use of minimally invasive techniques for lumbar spine decompression.
 - 4) Discuss surgical options available to patients with both cervical and lumbar spondylosis.
- Target Audience:** All neuroscience healthcare professionals.

- 13:30 Introduction
Eric Massicotte (Toronto, ON)
- 13:35 **Case presentation #1 - cervical radiculopathy**
- 13:45 **Treatment option #1 - cervical fusion**
Ramesh Sahjpaul (Vancouver, BC)
- 14:00 **Treatment option #2 - cervical arthroplasty**
Daryl Fourney (Saskatoon, SK)
- 14:15 Discussion
- 14:40 **Case presentation #2 - cervical spondylotic myelopathy**
- 14:55 **Treatment option #1 - delayed surgical decompression**
Eve Tsai (Ottawa, ON)
- 15:10 **Treatment option #2 - early surgical decompression**
Michael Fehlings (Toronto, ON)
- 15:25 Discussion
- 15:50 **Case presentation #3 - lumbar spinal stenosis**
- 16:05 **Treatment option #1 - open laminectomy**
Charles Agbi (Ottawa, ON)
- 16:20 **Treatment option #2 - MASS technique**
Sean Christie (Halifax, NS)
- 16:35 Discussion
- 16:45 Debate conclusion and evaluations

Neurocritical Care Course**13:30-17:00 Suite 304****Chair:** Jeanne Teitelbaum, Draga Jichici**Course Outline:** Through the use of case histories, the participant will learn about monitoring in the NICU, the management of intra-cerebral hemorrhage, neuromuscular disease in the ICU, status epilepticus and cerebral venous thrombosis in the pediatric population.**Learning Objectives:** At the end of this session, participants will be able to:

- 1) Understand the evidence upon which the guidelines for the management of intra-cerebral hemorrhage are based, and know how to apply them to the management of the individual patient.
- 2) Know the benefits and limitations of electrophysiological monitoring for the various pathologies seen in the NICU.
- 3) Manage patients with status epilepticus.
- 4) Identify, diagnose and treat cerebral sinus thrombosis in the pediatric population.
- 5) Identify, diagnose and treat neuromuscular complications of severe systemic illness in the ICU.

Target Audience: Neurologists, neurosurgeons, emergency physicians and intensive care physicians, as well as residents in these same fields.

- 13:30 Introduction
Jeanne Teitelbaum (Montreal, QC)
- 13:45 **Intra-cerebral hemorrhage: guidelines versus the evidence**
Michael Diringier (St. Louis, MO, USA)
- 14:05 Discussion
- 14:20 **Role of continuous EEG in the NICU**
Seyed Mirsattari (London, ON)
- 14:40 Discussion
- 14:55 **Neuromuscular complications of severe systemic disease**
Charles Bolton (London, ON)
- 15:15 Discussion
- 15:30 Break
- 15:45 **Status epilepticus**
Cecil Hahn (Toronto, ON)
- 16:05 Discussion
- 16:20 **Pediatric cerebral venous sinus thrombosis**
Mahendra Moharir (Toronto, ON)
- 16:40 Discussion
- 16:55 Evaluation

Epilepsy Course - Monitoring the Epileptic Brain with EEG: Novel Recording Methods, Analyses and Applications

13:30-17:00 Room 200 C1/C2

Course generously supported through an unrestricted educational grant from UCB Pharma Canada

Chair: François Dubeau

Course Outline: This course is designed to provide an update on innovative EEG monitoring methods in epileptic patients. These target groups include patients from special populations and monitored with EEG in special environments.

Learning Objectives: At the end of this session, participants will be able to:

- 1) Integrate time and space related EEG analyses.
- 2) Identify new methods of scalp EEG recording.
- 3) Understand basic principles and applications of EEG-fMRI.
- 4) Recognize indications of prolonged EEG monitoring (telemetry) in some special epilepsy populations: in the autistic or in the intellectually challenged patient, and in the elderly patient.
- 5) Understand the usefulness of ICU EEG monitoring to detect epileptic activity in the confused or comatose patient.

Target Audience: Community and university based neurologists and neurosurgeons, researchers interested in epilepsy and brain monitoring, students and residents, and allied health professionals interested in EEG monitoring and epilepsy.

- | | |
|-------|--|
| 13:30 | Introduction
<i>François Dubeau (Montreal, QC)</i> |
| 13:35 | An overview on the analysis of the EEG signal: time- and space-related EEG analysis
<i>Jean Gotman (Montreal, QC)</i> |
| 14:05 | Discussion |
| 14:15 | Innovative technologies and engineering in EEG recording
<i>John Ives (London, ON)</i> |
| 14:45 | Discussion |
| 14:55 | Improving the EEG spatial resolution for spike and seizure detection: simultaneous EEG/fMRI
<i>Paolo Federico (Calgary, AB)</i> |
| 15:25 | Discussion |
| 15:35 | Monitoring the epileptic brain in special populations: the autistic and intellectually challenged patient, and the elderly patient
<i>François Dubeau (Montreal, QC)</i> |
| 16:05 | Discussion |
| 16:15 | Monitoring the epileptic brain in a special environment: detecting the epileptic activity in the ICU
<i>Jeffrey Dennis Jirsch (Montreal, QC)</i> |
| 16:45 | Discussion and evaluations |



EMG Course

13:30-17:00 ***Delta Halifax Hotel, Dalhousie University***
See below

*Course generously supported through
an unrestricted educational grant
from Roxon and Natus*

Chair: Ian Grant, Timothy Benstead

Course Outline: This course is intended to improve the skills of practicing electromyographers. The sessions will be interactive. Demonstrations will include nerve conduction studies, EMG waveforms and anatomical correlation for needle EMG.

NOTE: This Course features 2 concurrent Workshops at the Delta Halifax and 2 concurrent Workshops at Dalhousie University (transportation provided). Participants will begin at one or the other site and switch between the 2 sites at the mid-point of the course.

Learning Objectives: At the end of this session, participants will:

- 1) Be familiar with EMG waveforms, common and uncommon.
- 2) Be familiar with the anatomy of upper and lower limb muscles. They will learn the techniques of EMG in these muscles.
- 3) Learn the methods and utility of less commonly performed NCS techniques for problem solving of focal neuropathies.

Target Audience: Community and academic neurologists and physiatrists whose practice includes EMG; neurology and psychiatry residents.

Delta Halifax Hotel - McDonald and Mayflower Rooms

13:30 **Concurrent Workshop #1 – EMG waveform recognition**

Devon Rubin (Jacksonville, FL, USA)

14:15 **Concurrent Workshop #2 – Problem solving with nerve conduction studies**

Chris White (Calgary, AB)

Dalhousie University - Gross Anatomy Lab Room 14G

15:15 **Concurrent Workshop #3 – Muscle anatomy**

William Baldrige (Halifax, NS)

16:00 **Concurrent Workshop #4 – Needle EMG of useful muscles**

Ian Grant (Halifax, NS) and Colin Chalk (Montreal, QC)



Neuro-ophthalmology Course

13:30-17:00 *Suite 205*

Chair: William Fletcher

Course Outline: This will comprise 5 lectures, covering optic neuropathies, central disorders of visual function, diplopia, pupil disorders, and nystagmus and ocular oscillations. A half-hour discussion period at the end of the session will be supplemented by presentation of interesting cases.

Learning Objectives: At the end of this session, participants will be able to:

- 1) Assess and diagnose vision loss caused by optic nerve disease.
- 2) Understand and identify central disorders of visual function.
- 3) Localize diplopia and determine the most likely causes in adults and children based on clinical features.
- 4) Detect and diagnose anisocoria and pupillary dysfunction.
- 5) Recognize congenital nystagmus and identify common types of acquired nystagmus and saccadic oscillations and their significance.

Target Audience: General neurologists, neurology residents and other neurologists interested in increasing their neuro-ophthalmological knowledge and skills.

- 13:30 **Introduction**
William Fletcher (Calgary, AB)
- 13:35 **Diagnosing diplopia in adults and children**
Agnes Wong (Toronto, ON)
- 14:00 Discussion
- 14:05 **Nystagmus and ocular oscillations**
William Fletcher (Calgary, AB)
- 14:30 Discussion
- 14:35 **Anisocoria and pupillary dysfunction**
Charles Maxner (Halifax, NS)
- 15:00 Discussion
- 15:05 Break
- 15:20 **Optic neuropathies – what you need to know**
Martin SuttonBrown (Victoria, BC)
- 15:45 Discussion
- 15:50 **Central disorders of vision**
Jason Barton (Vancouver, BC)
- 16:20 Panel discussion and interactive case presentations
- 16:55 Evaluation

**Sponsors' and Exhibitors'
Reception**

17:00-18:30 Room 200 DE

Please join us in the Exhibit Hall for this annual introduction to our industry supporters. Your Congress could not be conducted without their support, and we ask that delegates please take time to visit them both at this Reception and throughout the week. Doing so ensures industry will continue to find value in supporting the CNSF and your Society, either through sponsorships, exhibit booths or advertising in the Journal.

**Industry Co-developed Diabetic
Neuropathic Pain Symposium
(Boehringer Ingelheim)**

18:30-20:00 Suites 202-204

This event is an accredited group learning activity (Section 1) as defined by the Maintenance of Certification (MOC) program of the Royal College of Physicians and Surgeons of Canada. It is co-developed by the Canadian Neurological Society and Boehringer / Lilly. This program has been reviewed and approved for one Level 1 credit by the Canadian Neurological Society.

Plenary Session

CNS, CACN & CSCN

08:00-09:30 *Room 200 C1*

Chair: Richard Desbiens

Learning Objectives: At the end of this plenary session, participants will:

- 1) Have gained knowledge in the molecular basis and treatment strategies for muscular dystrophies.
- 2) Have gained knowledge in a newly recognized disorder impacting on Canadian child and youth health: demyelination in children.

08:00 Welcome & Introduction

08:10 **Gloor Lecture**

Molecular Basis and Treatment Strategies for Muscular Dystrophies

Michael Siinreich (Montreal, QC)

08:50 **Tibbles Lecture**

Demyelination in Children: A Newly Recognized Disorder Impacting on Canadian Child and Youth Health

Brenda Barwell (Toronto, ON)

Plenary Session

CNSS

08:00-09:30 *Room 200 C2*

Session generously supported through an unrestricted educational grant from Elekta

Chair: J. Max Findlay

Learning Objectives: At the end of this plenary session, participants will:

- 1) Understand the expanding role of radiosurgery in the management of brain and spine.
- 2) Understand the management of Moyamoya disease.

08:00 Welcome and Introduction

08:10 **The Expanding Role of Radiosurgery in the Management of Brain and Spine Lesions**

Michael West (Winnipeg, MB)

08:50 **Penfield Lecture**

Management of Moyamoya Disease

Gary Steinberg (Stanford, CA, USA)



Platform Sessions

10:00-12:15

Six Simultaneous Sessions

Platform Sessions (General Neurology) - See page 47

Suite 203

Platform Sessions

(General Neurosurgery and History) - See page 48

Suite 202

Platform Sessions (Pediatric Neurology I) - See page 48

Room 200 C2

Platform Sessions (Spine I) - See page 49

Suite 204

Platform Sessions (Epilepsy I) - See page 50

Suite 205

Platform Sessions

(Stroke/Cerebrovascular Surgery I) - See page 50

Room 200 C1

Exhibit Viewing/Digital Mini-Platform Presentations

12:15-14:00

*Buffet Lunch will be available in the Exhibit Hall
Exhibit Viewing - Room 200 DE
Digital Poster Presentations - 3rd Floor Atrium*

Platform Sessions

14:00-16:30

Seven Simultaneous Sessions

Platform Sessions (MS/Dementia) - See page 51

Room 200 C2

Platform Sessions (MD/Neuromuscular) - See page 52

Suite 203

Platform Sessions (General Neurosurgery II) - See page 52

Suite 202

Platform Sessions (Spine II) - See page 53

Suite 204

Platform Sessions

(Stroke/Cerebrovascular Surgery II) - See page 54

Room 200 C1

Platform Sessions (Neuro-Oncology) - See page 54

Suite 205

Platform Sessions (Trauma/Critical Care) - See page 55

Suite 306

**Exhibit Viewing/
Digital Poster Viewing**

16:30-17:30

Remember to introduce yourself to our industry supporters in the Exhibit Hall whenever you have a moment to spare! Their contributions to the CNSF and the Congress allow us to continue to provide the quality Congress content you expect.

*Exhibit Viewing - Room 200 DE
Digital Poster Viewing - 3rd Floor Atrium*

Sponsored by Clark's Audio Visual Services Ltd.

Maritime Lobster Supper and Kitchen Party

18:00-24:00 *Cunard Centre*

*Reception, Dinner and Dancing
Details on page 43.*



**Reviewer of the Year
Presentation and the
Journal Editor's Report**
08:00-08:15 Room 200 C1/C2

Editor G. Bryan Young presenting his annual Journal Report

CBANHC Report
08:15-08:30 Room 200 C1/C2

Chair Richard Riopelle presenting the annual CBANHC Report

Distinguished Guest Lecture
08:30-09:30 Room 200 C1/C2

08:30 Welcome & Introduction **Margaret Atwood**
Mr. Mind: How the Brain Became a Character

*Margaret Atwood is a giant of modern literature who has anticipated, explored, satirized -- and even changed -- the popular preoccupations of our time. The Booker Prize-winning author of *The Handmaid's Tale* and *The Blind Assassin*, Atwood is the rare writer whose work is adored by the public, acclaimed by the critics and studied on university campuses around the world. Though her subject matter varies, the precision crafting of her language -- she is also a renowned poet -- gives her body of work a sensibility entirely its own.*



*Based out of Toronto, Atwood has written over forty classic books, which have been translated into over thirty languages. Her novels include *Alias Grace*, *Life Before Man*, *Oryx and Crake* and 2008's *Moral Disorder*. Her major awards include The Giller and The Governor General's Award (Canada); The Booker Prize (UK); The Dashiell Hammett Award (United States); and the Le Chevalier dans l'Ordre de Arts et Les Lettres (France). In her poem "Spelling," Atwood writes, "A word after a word after a word is power."*

Exhibit Viewing

09:30-10:15 Room 200 DE

This is your last opportunity to visit the Exhibit Hall and show our industry supporters that their continued presence and financial support of your Congress matters to you! Whether you've had a chance to visit or not, stop in and let our Sponsors & Exhibitors know that you value their support.

Margaret Atwood

Book Signing

09:30-10:15 Room 200 DE

Ms. Atwood will be signing books in the Exhibit Hall during the morning break.

A selection of her work will be available for purchase.

Grand Rounds

10:15-12:00 Room 200 C1/C2

Course generously supported through an unrestricted educational grant from Allergan Inc.

Chair:

Michael Hill

CNS Case Presenter

TBA

CNSS Case Presenter

TBA

CACN Case Presenter

TBA

Lunch/Exhibit Viewing/Digital

Mini-Platforms

12:00-13:30

Buffet Lunch will be available in the Exhibit Hall

Exhibit Viewing - Room 200 DE

Digital Poster Presentations - 3rd Floor Atrium

Sponsored by Clark's Audio Visual Services Ltd.



Peripheral Nerve Course

13:30-17:00 *Suite 304*

Chair: Rajiv Midha

Course Outline: Using a didactic and interactive format, this course will educate participants on the contemporary management, including surgery, for surgical peripheral nerve disorders. Clinical decision making, electro diagnosis of nerve injuries and entrapment as well as focused discussion of surgical conditions affecting the peripheral nerves including nerve entrapment, brachial plexus injuries and peripheral nerve tumors will be presented. Illustrative cases will be discussed.

Learning Objectives: At the end of this session, participants will be able to:

- 1) Recognize the electrophysiological features of peripheral nerve injuries diagnostic criteria for common entrapment neuropathies.
- 2) Differentiate typical clinical and surgical features for nerve entrapment from unusual findings in order to avoid management complications.
- 3) Select the various options for the surgical management of patients with brachial plexus injuries.
- 4) Manage patients with peripheral nervemass lesions.
- 5) Identify the utility and indications for different types of intraoperative electrophysiological studies in managing peripheral nerve conditions.

Target Audience: Neurosurgeons, residents in neurosurgery, neurologists and other registrants interested in peripheral nerve disorders.

13:30	Introduction
13:45	Electrodiagnostics of nerve entrapment and nerve injury <i>Timothy Benstead (Halifax, NS)</i>
14:05	Discussion
14:20	Surgery for nerve entrapment: pearls and pitfalls <i>Richard Moulton (Ottawa, ON)</i>
14:40	Discussion
14:55	Brachial plexus injury management in 2009 <i>Rajiv Midha (Calgary, AB)</i>
15:30	Break
15:45	Management of peripheral nerve tumors <i>Line Jacques (Montreal, QC)</i>
16:05	Discussion
16:20	Intraoperative electrophysiology <i>David Houlden (Toronto, ON)</i>
16:40	Discussion
16:55	Evaluation



What's New in Neurosurgery?**13:30-17:00 Room 200 C2****Chair:** Ian Fleetwood**Course Outline:** Through a series of lectures and interactive discussion, new and emerging neurosurgical approaches and treatments will be explored.**Learning Objectives:** At the end of this session, participants will be able to:

- 1) Discuss indications for endovascular treatment of occlusive cerebrovascular disease.
- 2) Address issues surrounding timing of surgery for cervical spondylotic myelopathy.
- 3) Identify emerging indications for DBS and neuromodulation.
- 4) Recognize the utility and limitations of endoscopy.
- 5) Conceptualize the fundamental changes in neurosurgical practice over the past three decades.

Target Audience: Practicing neurosurgeons and neurosurgical trainees.

- 13:30 Introduction
- 13:45 **Endovascular management of occlusive cerebrovascular disease**
Joseph A. Silvaggio (Winnipeg, MB)
- 14:05 Discussion
- 14:20 **Current controversies in cervical spondylotic myelopathy**
Eric Massicotte (Toronto, ON)
- 14:40 Discussion
- 14:55 **Novel indications for DBS and neuromodulation**
Zelma H.T. Kiss (Calgary, AB)
- 15:30 Break
- 15:45 **What's new in pediatric and adult neuroendoscopy – fact or fiction**
Vivek Mehta (Edmonton, AB)
- 16:05 Discussion
- 16:20 **What's new in neurosurgery: a 35-year retrospective**
Renn O. Holness (Halifax, NS)
- 16:40 Discussion
- 16:55 Evaluation

EEG Course

13:30-17:00 *Suite 202*

Chair: Seyed Mirsattari

Course Outline: A comprehensive review of the fundamentals of EEG technology, including applied physics of electricity and electronics to the EEG, technical aspects of EEG acquisition, basics and modern features of digital EEGs and polarity/localization of EEG waveform potentials.

Learning Objectives: At the end of this session, participants will:

- 1) Learn the basic and applied physics as they relate to electroencephalography.
- 2) Learn practical issues related to the acquisition of EEG.
- 3) Know the basics and advanced features of digital EEGs.
- 4) Become familiar with polarity and localization of EEG potentials.

Target Audience: Neurologists, neurosurgeons interested in epilepsy surgery, pediatric neurologists, residents in neurology/neurosurgery/pediatric neurology, nurses caring for epilepsy patients and EEG technologists.

13:30 Introduction

13:35 **All you need to know about electricity and electronics as they relate to the EEG**
John Ives (Ottawa, ON)

14:15 Discussion

14:25 **How to obtain EEG: practical aspects**
Susan Rahey (Halifax, NS)

14:55 Discussion

15:15 **Digital EEGs: from basics to advanced features**
Jean Gotman (Montreal, QC)

15:55 Discussion

16:05 **Polarity and localization: principles and illustrative examples**
Warren Blume (London, ON)

16:45 Discussion and evaluation

Endoscopy Course - The Role for Endoscopy in Cranial Neurosurgery

13:30-17:00 *Suite 203*

Chair: Mark Hamilton

Course Outline: The Role for Endoscopy in Cranial Neurosurgery will be explored. Neuroendoscopy plays an essential role in the management of many cranial Neurosurgical conditions including hydrocephalus, arachnoid cysts, colloid cysts, intraventricular tumors, pituitary adenomas and anterior skull base tumors. Each presentation will include interactive case examples that will help participants incorporate the learning materials into practice.

Learning Objectives: At the end of this session, participants will be able to:

- 1) Understand the role for neuroendoscopy in the management of hydrocephalus in the pediatric patient and be able to compare neuroendoscopic treatment outcome and risks with other treatment options.
- 2) Demonstrate an understanding of the role for neuroendoscopy in the management of hydrocephalus in the adult patient and be able to compare neuroendoscopic treatment outcome and risks with other treatment options.
- 3) Compare the treatment options available for the patient with a colloid cyst in a way that integrates an understanding of the natural history of this diagnosis.
- 4) Be familiar with the role for neuroendoscopy in the treatment of cranial intraventricular tumors and both pituitary and skull base tumors to allow establishment of appropriate treatment options.

Target Audience: Neurosurgeons, neurologists, pediatric neurologists (practicing and in residency training).

- | | |
|-------|--|
| 13:30 | Introduction
<i>Mark Hamilton (Calgary, AB)</i> |
| 13:45 | The role for neuroendoscopy in the management of hydrocephalus in the adult patient
<i>Patrick McDonald (Winnipeg, MB)</i> |
| 14:05 | Discussion |
| 14:20 | Endoscopic management of third ventricular colloid cysts and intraventricular tumors
<i>Mark Hamilton (Calgary, AB)</i> |
| 14:40 | Discussion |
| 14:55 | The role for neuroendoscopy in the management of hydrocephalus in the pediatric patient
<i>Jim Drake (Toronto, ON)</i> |
| 15:15 | Discussion |
| 15:30 | Break |
| 15:45 | Endoscopic resection of pituitary and skull base tumors - Part I
<i>Kesh Reddy (Hamilton, ON)</i> |
| 16:05 | Discussion |
| 16:20 | Endoscopic resection of pituitary and skull base tumors - Part II
<i>Yves Starreveld (Calgary, AB)</i> |
| 16:40 | Discussion and evaluation |

Dementia Course

13:30-17:00 *Suite 204*

Chair: Sultan Darvesh

Course Outline: This course will review current concepts on the clinical classification of dementias, as well as cognitive and neuroimaging assessments to aid dementia diagnosis. This course will also review management of normal pressure hydrocephalus as well as pharmacological options for the treatment of neurodegenerative disorders such as Alzheimer's disease.

Learning Objectives: At the end of this session, participants will be able to:

- 1) Differentiate different dementia syndromes.
- 2) Select appropriate cognitive tests to assist in diagnosis of dementia.
- 3) Integrate neuroimaging for refinement of diagnosis of dementia.
- 4) Identify patients with dementia who might benefit from neurosurgical intervention.
- 5) Select appropriate pharmacotherapies for treatment of individual dementia syndromes.

Target Audience: Neurologists, neurosurgeons, neuroradiologists, physical medicine and rehabilitation practitioners, neuropathologists and neuroscience nurses.

- | | |
|-------|--|
| 13:30 | Introduction
<i>Sultan Darvesh (Halifax, NS)</i> |
| 13:45 | An overview of dementia syndromes
<i>Kenneth Rockwood (Halifax, NS)</i> |
| 14:05 | Discussion |
| 14:20 | Cognitive assessment in the diagnosis of dementia
<i>Larry Leach (Toronto, ON)</i> |
| 14:40 | Discussion |
| 14:55 | Neuroimaging in dementia diagnosis
<i>Robert Vidorpe (Halifax, NS)</i> |
| 15:15 | Discussion |
| 15:30 | Break |
| 15:45 | An overview of normal pressure hydrocephalus
<i>Mark Hamilton (Calgary, AB)</i> |
| 16:05 | Discussion |
| 16:20 | Pharmacotherapy for dementia syndromes
<i>Sharon Cohen (Toronto, ON)</i> |
| 16:40 | Discussion & Evaluation |

What's New in Neurology?**13:30-17:00 Suite 305****Chair:** Roger McKelvey

Course Outline: This course will cover areas of neurology in which there are significant changes occurring at present or anticipated to occur in the near future with respect to management. Each lecture will focus on emerging therapies and the basic science rationale for their use. The areas to be covered include cerebrovascular disease, dementia, headache, pain and movement disorders.

Learning Objectives: At the end of this session, participants will:

- 1) Have an understanding of the evidence base for current recommendations regarding the use of TPA, and be able to apply these recommendations in clinical practice. Participants will also be familiar with current thinking regarding the optimum use of antiplatelet agents, and therapies for risk factor reduction, in particular, antihypertensive therapy.
- 2) Be familiar with emerging therapies for dementia, or are anticipated to be available within the next couple of years, and be familiar with the rationale for these therapies in order to apply them appropriately when they become available.
- 3) Know about emerging therapies for headache, particularly new therapies that are based on advances in our understanding of the basic pathophysiology of migraine.
- 4) Be aware of current physiologic understanding of central pain mechanisms, and appreciate how this helps guide rational pain therapy, both surgical and medical.
- 5) Be familiar with current concepts regarding the pathophysiology of Parkinson's and the possibilities for future therapy based on these evolving concepts.

Target Audience: General neurologists, neurology residents, sub-specialty neurologists wishing to be updated in other fields.

13:30 Neurosurgical aspects of pain management

Andrew Parrent (London, ON)

13:55 Discussion

14:10 Upcoming therapies in dementia

Chris MacKnight (Halifax, NS)

14:35 Discussion

14:50 What's new in Parkinson's disease?

Mandar Jog (London, ON)

15:15 Discussion

15:30 New therapies in headache

Allan Purdy (Halifax, NS)

16:05 Discussion

16:20 Current trends in stroke management

Gordon Gubitz (Halifax, NS)

16:45 Discussion & evaluations

Multiple Sclerosis Course

13:30-17:00 Room 200 C1

Course generously supported through an unrestricted educational grant from EMD Serono

Chair: Virender Bhan

Course Outline: This course begins with a lecture on complexities around delivering the diagnosis of MS, followed by up to date reviews on the natural history and immunopathogenesis of multiple sclerosis. This sets the stage for discussion of the currently available disease modifying therapies, with a critical review of the literature. Emphasis will be on the most recent published trials. The course ends with an overview of exciting emerging therapies that could change the way we treat this disabling disease.

Learning Objectives: At the end of this session, participants will:

- 1) Improve their skills in delivering the diagnosis of MS.
- 2) Update their knowledge on the natural history of MS.
- 3) Know the results of published clinical trials, including recent comparative trials on disease modifying drugs in MS.
- 4) Learn the current immunopathogenesis of MS with focus on potential targets for new drug therapies.
- 5) Know about the exciting future therapies in MS.

Target Audience: General neurologists, residents, nurses, MS researchers and academicians.

- | | |
|-------|--|
| 13:30 | Introduction |
| 13:35 | Delivering the diagnosis of multiple sclerosis
<i>T. Jock Murray (Halifax, NS)</i> |
| 13:50 | Discussion |
| 14:00 | Update on the natural history of multiple sclerosis
<i>Virginia Devonshire (Vancouver, BC)</i> |
| 14:30 | Discussion |
| 14:40 | Lessons from published DMD trials in MS
<i>Francois Grand'Maison (Montreal, QC)</i> |
| 15:20 | Discussion |
| 15:30 | Break |
| 15:45 | Immunopathogenesis of MS – a basic overview
<i>Wee Yong (Calgary, AB)</i> |
| 16:15 | Discussion |
| 16:25 | Emerging therapies in multiple sclerosis
<i>Paul O'Connor (Toronto, ON)</i> |
| 16:50 | Discussion & Evaluation |





CANADIAN
NEUROLOGICAL
SCIENCES
FEDERATION



FÉDÉRATION
DES SCIENCES
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DU CANADA



It will come as no surprise to long time Congress participants that the annual social event this year in Halifax will feature a lobster feast!



MARITIME LOBSTER SUPPER AND KITCHEN PARTY



Thursday June 11, 2009
at the Cunard Centre on historic Pier 23
along the Halifax harbour front.
After cracking your way through dinner,
kick up your feet to live music, dancing
and possibly a game or two. Tickets are
\$85 per person. Don't delay in
purchasing your ticket as this event has sold out quickly
every time the Congress has visited Halifax.
Reception: 18:00, Dinner and Dancing 19:00

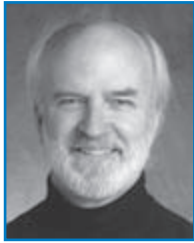
****Buses will be on a shuttle basis between the WTCC and the Cunard Centre for the duration of the evening. The first departure from WTCC will be at 6:00 p.m.**



Photos Courtesy Destination Halifax / Nova Scotia Tourism and Culture / W. Hayes

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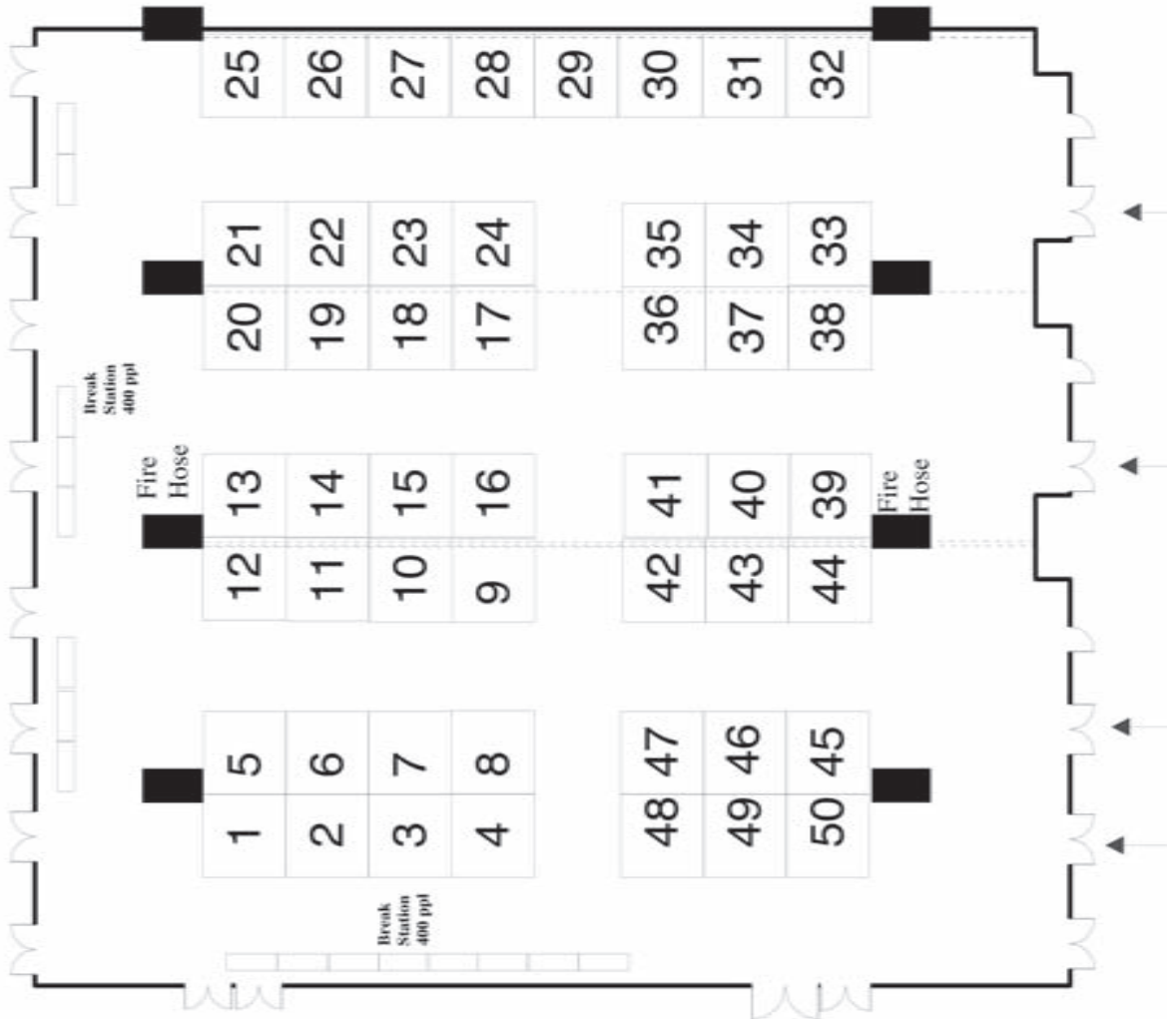
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• CBNHC Chair

Legend:

CNSF - Canadian Neurological Sciences Federation; NSFC - Neurological Sciences Foundation of Canada; CNS - Canadian Neurological Society; CNSS - Canadian Neurosurgical Society; CSCN - Canadian Society of Clinical Neurophysiologists; CACN - Canadian Association of Child Neurology; CBNHC - Canadian Brain and Nerve Health Coalition

World Trade and Convention Centre, Halifax Nova Scotia
50 - Trade Show Booths 10' x 10' with center aisle

Room 200D & E



Company	Booth Number
Allergan	33
Athena Diagnostics	35
Biovail Pharma	8
Boehringer Ingelheim	47
Boehringer Ingelheim / Lilly	41,42
Canada Microsurgical Ltd.	49,50
Carl Zeiss Canada	18
Dystonia Foundation	19
ELANA	27
Elekta	17
Galen	7
Genzyme	13
Grass Technologies	11
Imris	28
Johnson & Johnson / Codman	30,31,32
King Medical	26
Leica Microsystems	10
Medtronic of Canada Ltd.	9,15,16
Merck Frosst Canada Ltd.	43,44
Merz Pharma	6
Pfizer Canada	37,38
Roxon Medi-Tech Ltd.	5
Sanofi-Aventis/BMS	5,46
Santhera Pharma	34
Stellate	20
Stryker	25
Cardinal Healthcare	23
Talecris Biotherapeutics	36
Teva Neuroscience	39,40
Valeant Pharma	24
XLTEK	48
Servier	12
Zimmer	21

* As of Final Program Printing

WINNERS OF THE 2009 SOCIETY PRIZES

THE PRESIDENT'S PRIZE CANADIAN ASSOCIATION OF CHILD NEUROLOGY

John Brandsema

Cerebral Arteriopathies in Children with Neurofibromatosis Type 1

K.G. McKENZIE PRIZE IN CLINICAL NEUROSCIENCE RESEARCH CANADIAN NEUROSURGICAL SOCIETY

Ratan D. Bhardwaj

Unique functional pathway detected with MEG and DTI tractography in pediatric epilepsy

K.G. McKENZIE PRIZE IN BASIC NEUROSCIENCE RESEARCH CANADIAN NEUROSURGICAL SOCIETY

Alim Mitha

A Novel Tissue Engineering Approach Using Endothelial Progenitor Cell-Seeded Biopolymer to Treat Intracranial Saccular Aneurysms

FRANCIS McNAUGHTON MEMORIAL PRIZE CANADIAN NEUROLOGICAL SOCIETY

Teneille Gofton

Functional MRI study of primary somatosensory cortex in comatose survivors of cardiac arrest

ANDRE BARBEAU MEMORIAL PRIZE CANADIAN NEUROLOGICAL SOCIETY

Gerald Pfeffer

Levator palpebrae biopsy has higher diagnostic yield than other biopsy sites for chronic progressive external ophthalmoplegia



PLATFORM AND POSTER PRESENTATION LEARNING OBJECTIVE:

At the end of the platform sessions and after reviewing the digital posters, participants will be aware of current research and advances in patient care of neuroscience patients in Canada.

TARGET AUDIENCE: ALL NEUROSCIENCE HEALTHCARE PROFESSIONALS

CHAIR'S SELECT PLENARY PRESENTATIONS

CHAIR: Michael Tymianski, Michael Hill

JUNE 10, 2009, ROOM 200 C1/C2

- A-01 10:15 Cerebral arteriopathy in children with neurofibromatosis type 1**
JF Brandsema (Toronto), R Askalan (Toronto), D Rea (Toronto), D Armstrong (Toronto), G de Veber (Toronto), D MacGregor (Toronto), WJ Logan (Toronto), PC Parkin (Toronto)*
- A-02 10:30 The Impact of Endoscopic Third Ventriculostomy on the Neuropsychological Outcome of Patients with Obstructive Hydrocephalus**
MG Hamilton (Calgary), C Serrano (Calgary), M King (Calgary), L Partlo (Calgary), W Hader (Calgary)*
- A-03 10:45 Long-term outcome of children with idiopathic generalized epilepsy with generalized tonic-clonic seizures, not otherwise specified (IGE NOS): a population-based study with a >20 year follow up**
PR Camfield (Halifax), CS Camfield (Halifax)*
- A-04 11:00 Effects of acute treatment with statins on cerebral vasospasm in patients after aneurysmal subarachnoid hemorrhage: Meta-analysis of the published literature**
CD Harraher (Halifax), D Griesdale (Vancouver)*
- A-05 11:15 Levator palpebrae biopsy has higher diagnostic yield than other biopsy sites for chronic progressive external ophthalmoplegia**
G Pfeffer (Vancouver), MM Mezei (Vancouver)*
- A-06 11:30 Mefloquine as a novel therapeutic agent in the treatment of progressive multifocal leukoencephalopathy**
TE Gofton (London), A Al-Khotani (London), B O'Farrell (London), RS McLachlan (London)*

GENERAL NEUROLOGY

CHAIR: TBA

JUNE 11, 2009, SUITE 203

- B-01 10:00 Rasmussen's encephalitis: a retrospective analysis of 34 patients**
B Pohlmann-Eden (Halifax), M Beckhaus (Bielefeld), M Hoppe (Bielefeld), F Woermann (Bielefeld)*
- B-02 10:15 Functional MRI study of the primary somatosensory cortex in comatose survivors of cardiac arrest**
TE Gofton (London), PA Chouinard (London), GB Young (London), F Bihari (London), MW Nicolle (London), DH Lee (London), MD Sharpe (London), Y Yen (Menlo Park), AM Takahashi (Menlo Park), SM Mirsattari (London)*
- B-03 10:30 Event related oscillations in the human subthalamic nucleus and globus pallidus interna during saccadic eye movements**
AE Sundaram (Toronto), JA Sharpe (Toronto), R Chen (Toronto), WD Hutchison (Toronto)*
- B-04 10:45 A Novel ECGF1 Mutation in a French Canadian Patient with Mitochondrial Neurogastrointestinal Encephalomyopathy**
R Laforce (Quebec), PN Valdmann (Montréal), N Dupré (Quebec), GA Rouleau (Montréal), AF Turgeon (Quebec), M Savard (Quebec)*
- B-05 11:00 Entry demographics and pharmacological treatment of migraine patients referred to a tertiary care pain clinic.**
SS Nijjar (Toronto), AS Gordon (Toronto), M Clark (Toronto)*
- B-06 11:15 Neurological recovery following treatment of aggressive multiple sclerosis with immunoablation and autologous stem cell transplantation (ASCT)**
MJ Bowman (Ottawa Ontario), MS Freedman (Ottawa Ontario), HL Atkins (Ottawa Ontario)*



PLATFORM SESSIONS

- B-07 11:30 Contribution of Dr. Rajput Senior to Neurology-a tribute on his retirement**
A Rana (Toronto), A Al Saraawi (Toronto), F Khan (Toronto)*
- B-08 11:45 Dr. Lewis Yelland: successful healer or evil torturer?**
*TJ Murray (Halifax)**
- B-09 12:00 A pilot program evaluation of the ThinkFirst For Kids injury prevention educational curriculum for grades 7 and 8**
C Duquette (Ottawa), M Vassilyadi (Ottawa), MF Shamji (Ottawa)*

GENERAL NEUROSURGERY AND HISTORY

CHAIR: Brian Wheelock

JUNE 11, 2009, SUITE 202

- C-01 10:00 Neurosurgery in Saskatchewan: A history through changing times**
MA Riesberry (Saskatoon), D Fourney (Saskatoon)*
- C-02 10:15 Autologous Dendritic Cell (DC) Vaccination Combined With Immune Adjuvant Therapy for Malignant Melanoma Including Patients with Intracranial Metastases**
RG Kerr (Cincinnati), H Chen (Edmonton), M Farr-Jones (Edmonton), KC Petruk (Edmonton)*
- C-03 10:30 Mapping the spatial relationship between fMRI and intraoperative electrocortical stimulation data for improved efficacy of surgical brain tumor resection.**
MR Stevens (Halifax), RC D'Arcy (Halifax), SD Beyea (Halifax), DB Clarke (Halifax)*
- C-04 10:45 Characterizing the effects of magnetic field strength on specificity in functional MRI: Application in pre-surgical mapping**
K Dillen (Halifax), J Gawryluk (Halifax), T Stevens (Halifax), C Bowen (Halifax), S Beyea (Halifax), C Liu (Halifax), A Newman (Halifax), G Stroink (Halifax), G Eskes (Halifax), M Schmidt (Halifax), D Clarke (Halifax), R D'Arcy (Halifax)*
- C-05 11:00 Endoscopic third ventriculostomy as a first-line treatment for obstructive hydrocephalus: preliminary Lebanese experience**
R Rahme (Montreal), RJ Rahme (Beirut), R Hourani (Beirut), R Moussa (Beirut), G Nohra (Beirut), N Okais (Beirut), E Samaha (Beirut), T Rizk (Beirut)
- C-06 11:15 Trans-nasal endoscopic decompression of the optic nerves- Preliminary experience at McMaster University**
K Kamian (Ancaster), K Reddy (Hamilton), D Sommer (Hamilton)*
- C-07 11:30 Endoscopic third ventriculostomy for the treatment of post-aqueductal obstruction**
M Cote (Québec), G Lapointe (Québec), C Picard (Québec), A Turmel (Québec)*
- C-08 11:45 Application of a flexible fibre CO₂ laser for neurosurgery**
RW Ryan (Edmonton), RF Spetzler (Phoenix), SW Coons (Phoenix), MC Preul (Phoenix)*
- C-09 12:00 Microvascular decompression following gamma-knife therapy**
AM Ajlan (Montréal), D Sirhan (Montréal)*

PEDIATRIC NEUROLOGY I

CHAIR: Juliette Hukin

JUNE 11, 2009, ROOM 200 C2

- D-01 10:00 Parent's Perception of the Role of Loss of Consciousness in the Diagnosis of Concussion**
KE Gordon (Halifax), EA Fitzpatrick (Halifax), P Wren (Halifax), JM Dooley (Halifax), EP Wood (Halifax)*
- D-02 10:15 Cerebrospinal fluid neurotransmitter and pterins analysis in pediatric patients in British Columbia between 2003 and 2007**
J Milea (Vancouver), G Horvath (Vancouver), L Huh (Vancouver), P Waters (Vancouver), K Hyland (Atlanta), S Stockler (Vancouver), M Connolly (Vancouver)*
- D-03 10:30 Term intrapartum asphyxia: An analysis of acute non-specific supportive criteria and non-CNS organ injury**
*E Pinchefsky (Montreal), N Al-Macki (Montreal), M Shevell (Montreal)**



- D-04 10:45 Lead levels in Canadian autistic children**
BG Clark (Edmonton), I Buka (Edmonton), B Vandermeer (Edmonton)*
- D-05 11:00 A female patient with X-linked creatine transporter (SLC6A8) deficiency and intractable epilepsy: successful treatment with arginine and glycine supplementation**
S Mahmutoglu (Vancouver), MB Connolly (Vancouver), N Lowry (Saskatoon), S Stockler (Vancouver)*
- D-06 11:15 Extraaxial (extradural/subdural) infections of CNS in paediatric population**
S gupta (Toronto), JT Rutka (Toronto)*
- D-07 11:30 The Diagnostic Delay of Childhood Brain Tumors: A Retrospective Review of 20 Consecutive Cases**
CH Yeh (Hamilton), SK Singh (Hamilton), T Gunnarsson (Hamilton)*
- D-08 11:45 Effect of Multiple Acute -butyrolactone Hits on Ts65Dn Model for Down Syndrome**
M Brown (Toronto), MA Cortez (Toronto), OC Snead 3rd (Toronto)*
- D-09 12:00 Genotypic influence on neuropathology in glutaric acidemia type I**
EC Leung (Winnipeg), CR Greenberg (Winnipeg), AA Mhanni (Winnipeg), MR Del Bigio (Winnipeg)*

SPINE I

CHAIR: Eric Massicotte

JUNE 11, 2009, SUITE 204

- E-01 10:00 Immune Stimulation of Pathological Intervertebral Disc Cells Generates a Catabolic Phenotype**
MF Shamji (Ottawa), A Helbling (Durham), J Chen (Durham), L Jing (Durham), RE Isaacs (Durham), C Brown (Durham), WJ Richardson (Durham), LA Setton (Durham)*
- E-02 10:15 Gait Abnormalities and Sensory Changes Accompany Neuroinflammation in Animal Models of Disc Herniation Radiculopathy**
MF Shamji (Ottawa), KD Allen (Durham), SB Adams (Durham), S So (Durham), L Jing (Durham), J Chen (Durham), AH Friedman (Durham), LA Setton (Durham), WJ Richardson (Durham)*
- E-03 10:30 Surgical outcomes for anterior cervical discectomy and fusion patients receiving trabecular metal intervertebral body implants**
S Gul (North Vancouver), R Sahjpaul (North Vancouver)*
- E-04 10:45 Maintenance of cervical lordosis after anterior discectomy and fusion: a comparison of the Solis cage and the anterior cervical plate**
*J Wilkinson (Saskatoon), D Fourney (Saskatoon)**
- E-05 11:00 Immune Activation in Herniated and Degenerative Human Intervertebral Disc Tissue Indicates Involvement of Th17 Lymphocytes**
MF Shamji (Ottawa), LA Setton (Durham), W Jarvis (Durham), S So (Durham), J Chen (Durham), L Jing (Durham), RW Bullock (Durham), RE Isaacs (Durham), C Brown (Durham), WJ Richardson (Durham)*
- E-06 11:15 Admission and in-hospital complication rate for patients undergoing outpatient lumbar microdiscectomy: comparing non-spine to spine surgeons**
A Fallah (Toronto), EM Massicotte (Toronto), MG Fehlings (Toronto), S Lewis (Toronto), YR Rampersaud (Toronto), M Bernstein (Toronto)*
- E-07 11:30 The Use of Tripolar Leads in Spinal Cord Stimulation in Axial Back pain, Does it work?**
HM Al-Jehani (Montreal), L Jacques (Montreal)*
- E-08 11:45 A systematic review of pre-clinical and clinical studies on the timing of surgical decompression of spinal cord as a key determinant of outcomes after traumatic spinal cord injury (SCI)**
JC Furlan (Toronto), V Noonan (Vancouver), MG Fehlings (Toronto)*
- E-09 12:00 Appropriateness of lumbar spine referrals to a neurosurgical service**
N Deis (Edmonton), M Findlay (Edmonton)*

PLATFORM SESSIONS

STROKE/CEREBROVASCULAR SURGERY I

CHAIR: Michael Tymianski

JUNE 11, 2009, ROOM 200 C1

- F-01 10:00 A Non-Human Primate Model of Microembolic Stroke**
DJ Cook (Toronto)*, L Macdonald (Toronto), L Teves (Toronto), D Mikulis (Toronto), W Foltz (Toronto), A Goldstein (Toronto), M Madden (Toronto), H Sun (Toronto), M Tymianski (Toronto)
- F-02 10:15 Hematoma expansion in intracerebral hemorrhage: a clinically relevant definition.**
D Dowlatsahi (Calgary)*, AM Demchuk (Calgary), ML Flaherty (Cincinnati), M Ali (Glasgow), P Lyden (San Diego), EE Smith (Calgary)
- F-03 10:30 Plastic reorganization in pediatric stroke and the effects of rTMS**
A Kirtan (Calgary)*, G deVeber (Toronto), C Gunraj (Toronto), S Friefeld (Toronto), R Chen (Toronto)
- F-04 10:45 Cerebral Venous Sinus Thrombosis and Common Childhood Illness**
LL Billingham (Toronto)*, G DeVeber (Toronto), M Andrew (Toronto), C Adams (Victoria), B Bjornson (Vancouver), FA Booth (Winnipeg), C Camfield (Halifax), M David (Montreal), J Gillett (Hamilton), J Yager (Edmonton), B Sinclair (Edmonton), E Wood (Halifax), P Humphreys (Ottawa), L Jardine (London), P Langevin (Ste-Foy), EA MacDonald (Kingston), B Meaney (Hamilton), B Prieur (Calgary), M Shevell (Montreal)
- F-05 11:00 Unilateral transverse sinus stenting for patients with refractory idiopathic intracranial hypertension**
M Bussiere (Ottawa)*, R Falero (London)*, D Nicolle (London), D Pelz (London)
- F-06 11:15 Cost Analysis and Clinical Outcomes for Coiling Versus Clipping of Intracranial Aneurysms: The Hamilton Health Sciences Experience**
CB Martin-Gaspar (Hamilton)*, P Klurfan (Hamilton), T Gunnarsson (Hamilton)
- F-07 11:30 Sliding Dichotomy and Other Statistical Approaches to Reduce Sample Sizes for Subarachnoid Hemorrhage Clinical Trials**
R Macdonald (Toronto)*, J Spears (Toronto), D Ilodigwe (Toronto)
- F-08 11:45 Incidence of Aneurysmal Subarachnoid Hemorrhage in Nova Scotia**
NE Parks (Halifax)*, RJ Macaulay (Halifax), M Asbridge (Halifax), PD McNeely (Halifax), IG Fleetwood (Halifax)
- F-09 12:00 The impact of distance from the treating neurosurgical centre on outcomes following aneurysmal subarachnoid hemorrhage**
CJ O'Kelly (Toronto)*, AV Kulkarni (Toronto), D Urbach (Toronto), MC Wallace (Toronto)

EPILEPSY I

CHAIR: Seyed Mirsattari

JUNE 11, 2009, SUITE 205

- G-01 10:00 Single-subject voxel-based T2 relaxometry in focal epilepsy of uncertain origin**
RK Kosior (Calgary)*, R Sharkey (Calgary), R Frayne (Calgary), P Federico (Calgary)
- G-02 10:15 The effect of contact size on high frequency oscillations (HFOs) detection in human intracerebral EEG recordings**
C Châtillon (Montreal)*, R Zemann (Montreal Neurological Hospital), A Olivier (Montreal Neurological Hospital), F Dubeau (Montreal Neurological Hospital), J Gotman (Montreal Neurological Hospital)
- G-03 10:30 The Spectrum of Complexity Underlying “noise” in Brain Dynamics**
D Serletis (Toronto)*, BL Bardakjian (Toronto), T Valiante (Toronto), PL Carlen (Toronto)
- G-04 10:45 Role of combined preoperative functional MRI and intraoperative electrocortical stimulation for language mapping in surgery for medically intractable temporal lobe epilepsy**
A Wang (London), S Mirsattari (London)*, A Parrent (London), D Steven (London), D Lee (London), F Bihari (London), T Peters (London)
- G-05 11:00 Parasagittal and mesial hemispheric intractable epilepsy**
BS Kumar (London)*, WT Blume (London)

- G-06 11:15 Determinants of QOL in Patients undergoing Epilepsy Surgery**
S Wiebe (Calgary), A Seiam (Cairo), H Dhaliwal (Calgary)*
- G-07 11:30 Outcome of epilepsy surgery in patients investigated with subdural strip electrodes**
DA Steven (London), KW MacDougall (Calgary), RS McLachlan (London), JG Burneo (London)*
- G-08 11:45 Cranial MRI findings associated with status epilepticus**
AM Cartagena (London), SM Mirsattari (London), GB Young (London), DH Lee (London)*
- G-09 12:00 Prospective assessment of the safety and diagnostic yield of early discontinuation of antiepileptic drugs, and sleep deprivation in video-EEG telemetry unit**
F Moien-Afshari (Saskatoon), R Griebel (Saskatoon), V Sadanand (Saskatoon), M Vrbancic (Saskatoon), N Lowry (Saskatoon), JF Téllez Zenteno (Saskatoon)*
- G-10 12:15 Unique functional pathway detected with MEG and DTI tractography in pediatric epilepsy**
RD Bhardwaj (Toronto), S Mahmoodabadi (Toronto), H Otsubo (Toronto), C Snead (Toronto), JT Rutka (Toronto), E Widjaja (Toronto)*

MULTIPLE SCLEROSIS/DEMENTIA

CHAIR: Virender Bhan

JUNE 11, 2009, ROOM 200 C2

- H-01 14:00 Unexpectedly Rapid and Direct Transport of APP to the Lysosome in Neuronal SN56 cells observed by Laser-Scanning Confocal Microscopy**
*A Lorenzen (London), J Samosh (London), SH Pasternak (London)**
- H-02 14:15 Bone marrow transplantation in multiple sclerosis reveals a novel mechanism of NK cell regulation of Th17 responses**
PJ Darlington (Montreal), JS Doucet (Montreal), T Touil (Montreal), H Kebir (Montreal), D Gaucher (Montreal), L Fawaz (Montreal), J Zeidan (Montreal), J Chen (Montreal), F Jalili (Montreal), D Gauchat (Montreal), M Bowman (Ottawa), J Antel (Montreal), D Arnold (Montreal), M Freedman (Ottawa), H Atkins (Ottawa), R Sekaly (Montreal), R Cheynier (Paris), A Prat (Montreal), A Bar-Or (Montreal), The Canadian BMT Study Group (Montreal)*
- H-03 14:30 Discovery of an Anti-Aggregant Agent for Alzheimer's Disease**
*MD Carter (Halifax), C Barden (Halifax), M Reed (Halifax), R Chen (Halifax), S Sun (Halifax), A Yadav (Halifax), DF Weaver (Halifax)**
- H-04 14:45 Butyrylcholinesterase activity in neuroinflammatory and neurodegenerative lesions of multiple sclerosis and Alzheimer's disease**
S Darvesh (Halifax), AM LeBlanc (Halifax), GA Reid (Halifax), V Bhan (Halifax), JD Fisk (Halifax), RJ Macaulay (Halifax)*
- H-05 15:00 Validation of the Hospital Anxiety and Depression scale for use in patients with multiple sclerosis**
K Honarmand (Toronto), PW O'Connor (Toronto), A Feinstein (Toronto)*
- H-06 15:15 Progression of multiple sclerosis in patients with other autoimmune diseases**
S Kirby (Halifax), MG Brown (Halifax), P Andreou (Halifax), TJ Murray (Halifax), JD Fisk (Halifax), D MacKinnon-Cameron (Halifax), V Bhan (Halifax)*
- H-07 15:30 Referral delay is longer for primary-progressive than relapsing-remitting multiple sclerosis patients in British Columbia, Canada**
AL Leung (Vancouver), E Kingwell (Vancouver), P Rieckmann (Vancouver), H Tremlett (Vancouver)*
- H-08 15:45 The Effectiveness of Natalizumab Monotherapy in Canadian Patients with Relapsing-Remitting Multiple Sclerosis**
H Hadden (Oakville), S Culic (Oakville), J Savini (Oakville), K Baig (Oakville), J Leombruno (Toronto), C Conroy (Oakville)*
- H-09 16:00 25 (OH) Vitamin D levels in MS satellite clinic Sydney Nova Scotia patients**
M Maharaj (Sydney), C Blanchard (Halifax)*

PLATFORM SESSIONS

MOVEMENT DISORDERS/NEUROMUSCULAR

CHAIR: TBA

JUNE 11, 2009, SUITE 203

- I-01 14:00 **12-Month European phase III clinical study of SNT-MC17/idebenone in the treatment of Friedreich's ataxia: baseline demographic data**
JB Schulz (Aachen)*, GL Holder (Liestal), T Meier (Liestal), The MICONOS Study Investigators (Aachen)
- I-02 14:15 **6-month US phase 3 clinical study of SNT-MC17/idebenone in the treatment of Friedreich's ataxia: preliminary safety data**
DR Lynch (Philadelphia)*, S Perlman (Los Angeles), GL Holder (Liestal), T Meier (Liestal)
- I-03 14:30 **Relation of Arm Dystonia in Corticobasal Degeneration with Handedness**
A Rana (Toronto)*, A Al Saraawi (Toronto), F Khan (Toronto)
- I-04 14:45 **Isolated Facial Tremor- Is this Tic, Tremor or Myoclonus?**
A Rana (Toronto)*, A Al Saraawi (Toronto), F Khan (Toronto)
- I-05 15:00 **Jumping back- a Midline Truncal Tremor in MS**
A Rana (Toronto)*, A Al Saraawi (Toronto), F Khan (Toronto)
- I-06 15:15 **Decoding neural signals from multielectrode arrays in the primate supplementary eye fields**
AJ Sachs (Ottawa)*, F Pieper (Montreal), JC Martinez-Trujillo (Montreal)
- I-07 15:30 **Behavioural Analysis of Peripheral Nerve Regeneration Through Nerve Growth Factor (NGF) Loaded T-tube Chambers**
SW Kemp (Calgary), AA Webb (Calgary), R Midha (Calgary)
- I-08 15:45 **Syptomatic dystrophinopathies in pediatric females**
N Seeman (London)*, C Campbell (London)*, K Selby (Vancouver), D Biggar (Toronto), H Kolski (Edmonton), S Goobie (London), L McAdam (Toronto), Canadian Pediatric Neuromuscular Group (none)
- I-09 16:00 **Functional and anatomical analysis of selective tibial nerve branch neurotization to the deep peroneal nerve in the rat**
JD Alant (Calgary)*, SW Kemp (Calgary), AA Webb (Calgary), R Midha (Calgary)
- I-10 16:15 **Chronic inflammatory demyelinating polyneuropathy (CIDP): the correlation between treatment outcomes and nerve conduction study findings**
V Bril (Toronto)*, MC Dalakas (London), C Deng (Research Triangle Park), P Donofrio (Nashville), K Hanna (Research Triangle Park), H Hartung (Düsseldorf), RA Hughes (London), H Katzberg (Palo Alto), N Latov (New York), IS Merkies (Rotterdam), PA van Doorn (Rotterdam)

GENERAL NEUROSURGERY II

CHAIR: Loch MacDonald

JUNE 11, 2009, SUITE 202

- J-01 14:00 **Early experience with pediatric gamma knife radiosurgery in Canada**
MJ Ellis (Toronto)*, L Normand (Toronto), N Elaine (Toronto), S Gary (Winnipeg), S Michael (Toronto), W Michael (Winnipeg), AV Kulkarni (Toronto), MJ Patrick (Winnipeg)
- J-02 14:15 **Single Neurons in the Human Subgenual Cingulate Differentiate Emotion Categories**
A Laxton (Toronto)*, J Neimat (Nashville), K Davis (Toronto), W Hutchison (Toronto), J Dostrovsky (Toronto), H Mayberg (Atlanta), A Lozano (Toronto)
- J-03 14:30 **Spontaneous Third Ventriculostomy Identified in Five Patients with Previously 'Arrested' Obstructive Hydrocephalus**
MG Hamilton (Calgary)*, A Mitha (Calgary), K Bullivant (Calgary), C Gallagher (Calgary)
- J-04 14:45 **Is decompressive craniectomy an independent risk factor for communicating hydrocephalus?**
R Rahme (Montreal), M Sabbagh (Montreal)*, MW Bojanowski (Montreal)



- J-05 15:00 Compensated Hydrocephalus In Familial Colloid Cyst Of The Third Ventricle**
JA Radic (Halifax), IG Fleetwood (Halifax)*
- J-06 15:15 Fully endoscopic surgery of lesions in the skull base and craniovertebral junction**
CB Agbi (Ottawa), A Lamothe (Ottawa), S Kilty (Ottawa)*
- J-07 15:30 “Sources and Patterns of Pain in Lumbar Disc Disease”; Revisiting of Francis Murphey’s theory**
S Alemo (Philadelphia), A Sayadipour (Philadelphia)*
- J-08 15:45 Information needs of patients undergoing craniotomy for benign but life-threatening intracranial lesions: A qualitative study**
KO Khu (Toronto), L Rozmovits (Toronto), M Bernstein (Toronto)*
- J-09 16:00 Do subspecialized neurosurgeons experience higher complication rates for non-subspecialty emergency surgery? A systematic review**
A Fallah (Toronto), S Ebrahim (Toronto), M Englesakis (Toronto), M Bernstein (Toronto)*
- J-10 16:15 The association between intracranial tumours and multiple dyschondroplasia (Ollier’s disease or Maffucci’s syndrome): Do children and adults differ?**
A Szymczak (London), A Ranger (London)*

SPINE II

CHAIR: Ramesh Sahjpaul

JUNE 11, 2009, SUITE 204

- K-01 14:00 Development of a Provincial Spine Pathway for Saskatchewan**
D Fourney (Saskatoon), J Buwembo (Regina), A Beggs (Regina), C Ekong (Regina), K Kumar (Regina), A Woo (Saskatoon), K Yong-Hing (Saskatoon), H Hall (Markdale)*
- K-02 14:15 The use of the National Trauma Registry (NTR) of the Canadian Institute for Health Information as a database of spinal cord injury (SCI): A validation study using an institutional clinical database**
JC Furlan (Toronto), D Kattail (Toronto), MG Fehlings (Toronto)*
- K-03 14:30 The influence of age at the time of spine trauma on the length of stay and hospital costs in a university-based Canadian acute care center**
JC Furlan (Toronto), D Kattail (Toronto), MG Fehlings (Toronto)*
- K-04 14:45 MRI as a tool to predict outcome in spinal cord injury - a systematic review of the literature**
DW Cadotte (Toronto), MG Fehlings (Toronto)*
- K-05 15:00 A novel construct for atlantoaxial stabilisation demonstrated in a case series**
KH Au (Edmonton), R Fox (Edmonton)*
- K-06 15:15 Minimally Invasive Surgery for lumbar spondylolisthesis**
RL Sahjpaul (North Vancouver), S Gul (North Vancouver)*
- K-07 15:30 The Effect of Body Habitus on Perioperative Complications during Lumbar Spine Fusion**
MF Shamji (Ottawa), S Parker (Durham), C Cook (Durham), R Pietrobon (Durham), C Brown (Durham), RE Isaacs (Durham)*
- K-08 15:45 Evaluation of cervical spine surgery information available on the internet for English speaking patients**
AG Weil (Montréal), MW Bojanowski (Montréal), T Gustin (Yvoir), J Jamart (Yvoir), M Lévêque (Marseille)*
- K-09 16:00 In-Vivo Kinematic Comparison of ProDisc-C, Prestige LP and Bryan Cervical Disc**
*I Kowalczyk (London), D Rabin (London), N Duggal (London)**
- K-10 16:15 Effect of a Novel Chinese Formula XGS-1 on Spinal Cord Injury in Rats**
DH Zhang (Hamilton), C Su (Hamilton), S Jiang (Hamilton), K Reddy (Hamilton), M Rathbone (Hamilton)*

PLATFORM SESSIONS

STROKE/CEREBROVASCULAR SURGERY II

CHAIR: Michael Hill

JUNE 11, 2009, ROOM 200 C1

- L-01 14:00 Clinical Presentation and Management of Temporal Lobe Arteriovenous Malformations**
M Labib (London), D Pelz (London), SP Lownie (London)*
- L-02 14:15 tPA effect: does gender matter?**
N Shobha (Calgary), MD Hill (Calgary), J Fang (Toronto)*
- L-03 14:30 Small intracerebral hemorrhages are unlikely to expand and do not seem appropriate for ICH hemostatic treatment trials**
D Dowlatshahi (Calgary), EE Smith (Calgary), ML Flaherty (Cincinnati), M Ali (Glasgow), P Lyden (San Diego), AM Demchuk (Calgary)*
- L-04 14:45 Clinical and angiographic outcomes following surgical or endovascular therapy of very large and giant intracranial aneurysms**
TE Darsaut (Palo Alto), NM Darsaut (Palo Alto), MP Marks (Stanford), GK Steinberg (Stanford)*
- L-05 15:00 Conventional Neurophysiologic Monitoring Is Unnecessary For Carotid Endarterectomy Under General Anesthesia**
*IG Fleetwood (Halifax)**
- L-06 15:15 Red blood cell transfusion increases cerebral oxygen delivery in anemic patients after subarachnoid hemorrhage**
R Dhar (St. Louis), AR Zazulia (St. Louis), TO Videen (St. Louis), CP Derdeyn (St. Louis), MN Diringier (St. Louis)*
- L-07 15:30 Prediction of re-canalization risk after endovascular treatment of intracranial aneurysms using real-time, intra-operative determination of initial volume occlusion percentages**
Z Kaderali (Toronto), H Lee (Toronto), T Marotta (Toronto), W Montanera (Toronto), R Macdonald (Toronto), J Spears (Toronto)*
- L-08 15:45 A Novel Tissue Engineering Approach Using Endothelial Progenitor Cell-Seeded Biopolymer to Treat Intracranial Saccular Aneurysms**
AP Mitha (Calgary), JP Aronson (Boston), CS Ogilvy (Boston)*
- L-09 16:00 Angiographic Vasospasm is Associated with Cerebral Infarction**
*R Macdonald (Toronto)**
- L-10 16:15 Combination antithrombotic therapy limits MES (Microembolic Signals) in acute stroke patients with symptomatic carotid disease**
T Asi (Calgary), JM Boulanger (Calgary), C Stephenson (Calgary), E Stewart (Calgary), Y Choi (Saint Louis), F Khan (Thrissur), M Ibrahim (Edmonton), P Garcia Bermejo (Calgary), M Saqqur (Edmonton), AM Demchuk (Calgary)*

NEURO-ONCOLOGY

CHAIR: TBA

JUNE 11, 2009, SUITE 205

- M-01 14:00 MRI Volumetric Extent of Contrast Enhancement and Resection in Oligodendrogial Tumors**
T Sankar (Edmonton), N Zobenica (Phoenix), LS Ashby (Phoenix), AC Scheck (Phoenix), WR Shapiro (Phoenix), K Smith (Phoenix), RF Spetzler (Phoenix), MC Preul (Phoenix)*
- M-02 14:15 Purely Endoscopic versus Endoscopic Assisted Approaches to Sellar Tumours: A Cost Analysis**
J Khetani (Hamilton), SM Banglawala (Hamilton), D Sommer (Hamilton), K Reddy (Hamilton)*
- M-03 14:30 Glioblastoma multiforme (GBM) sensitivity to temozolomide (TMZ) in an ex vivo invasion assay correlates to an increase in patient survival time**
JF Megyesi (London), P Costello (London), E Dyer (London), W McDonald (London), D Macdonald (London), R Hammond (London), Q Wang (London)*



- M-04 14:45 Proliferation of Human Glioblastoma Stem Cells Occurs Independently of Exogenous Mitogens**
JJ Kelly (Calgary)*, O Stechishin (Calgary), A Chojnacki (Calgary), X Lun (Calgary), D Senger (Calgary), P Forsyth (Calgary), J Cairncross (Calgary), IF Parney (Rochester), S Weiss (Calgary)
- M-05 15:00 Binasal Endoscopic Transphenoidal Resection of Giant Pituitary Tumors: Surgical Outcomes and Comparison with Craniotomy and Microscopic Transphenoidal Cases**
P Kan (Toronto)*, M Cusimano (Toronto)*
- M-06 15:15 Chordoid Glioma: Diagnosis by Imaging**
AD Tu (Vancouver)*, T Yeo (Edmonton), L Resch (Edmonton), D Steinke (Edmonton), V Mehta (Edmonton)
- M-07 15:30 Trends in survival of patients with glioblastoma multiforme(GBM): Surveillance, Epidemiology, and End Results (SEER) Program 1973-2005**
CD Harraher (Halifax)*, A Norden (Boston), E Claus (Boston)
- M-08 15:45 Diagnostic Tractography Features of Intradural, Intramedullary Spinal Tumors**
EC Tsai (Ottawa)*, FA Alkherayf (Ottawa), A Cardenas-Blanco (Ottawa), BG Benoit (Ottawa), TB Nguyen (Ottawa)
- M-09 16:00 Stereotactic Radiosurgery Induced Malignant Transformation of a Jugular Foramen Schwannoma**
AD Tu (Vancouver)*, R Ma (Vancouver), R Akagami (Vancouver)
- M-10 16:15 Adjuvant Stereotactic Radiotherapy for Craniopharyngiomas: British Columbia Cancer Agency (BCCA) preliminary experience**
RR Janicki (Vancouver)*, B Toyota (Vancouver), M Mackenzie (Vancouver)

TRAUMA/CRITICAL CARE

CHAIR: Jeanne Teitelbaum

JUNE 11, 2009, SUITE 306

- N-01 14:00 Does blood alcohol concentration influence mortality, impairment and disability after acute traumatic spinal cord injury (SCI)?**
JC Furlan (Toronto)*, MB Bracken (New Haven), MG Fehlings (Toronto)
- N-02 14:15 Neural Precursor Cell Transplantation Increases Trophic Factor Expression and Preserves Oligodendrocytes after Spinal Cord Injury**
GW Hawryluk (Toronto)*, D Chew (Toronto), S Spano (Toronto), E Eftekharpour (Toronto), S Karimi (Toronto), MG Fehlings (Toronto)
- N-03 14:30 Demographics, injury characteristics and in-hospital mortality after acute spine trauma: Experience from a specialized university-based unit in comparison with the Canadian national registry**
JC Furlan (Toronto)*, D Kattail (Toronto), MG Fehlings (Toronto)
- N-04 14:45 A Cluster of Seizures after Cardiac Surgery**
GB Young (London)*, J Granton (London), JM Murkin (London), M Chu (London)
- N-05 15:00 Intraventricular thrombolysis and coiled aneurysms: a case-control study**
HT Khuong (Québec)*, R Laforce, Jr (Québec), G Milot (Québec), J Gariépy (Quebec), M Savard (Quebec)
- N-06 15:15 Rotational Acceleration Measurements - Evaluating Helmet Protection**
M Kis (Halifax)*, F Saunders (Kingston), MW Ten Hove (Kingston), JR Leslie (Kingston)
- N-07 15:30 Hockey Helmet Rotational Acceleration Protection in Concussive Injury**
M Kis (Halifax)*, R Levy (Calgary), F Saunders (Kingston), M Ten Hove (Kingston)
- N-08 15:45 Long-term functional outcomes following major traumatic brain injury**
G Thibault-Halman (Halifax)*, JM Tallon (Halifax), S Walling (Halifax), S Ackroyd-Stolarz (Halifax), L Fenerty (Halifax), P Taylor (Halifax), DB Clarke (Halifax)
- N-09 16:00 Lumbar subarachnoid pressure following spinal cord injury**
DA Zygun (Calgary)*, J Hurlbert (Calgary), W Yong (Calgary), A Peets (Calgary), D McGowan (Calgary), SM Pearce (Calgary), SJ DuPlessis (Calgary), S Casha (Calgary)
- N-10 16:15 Perioperative factors associated with prolonged unconsciousness after cardiac surgery**
R Rodriguez (Ottawa)*, M Bussiere (Ottawa)*, HJ Nathan (Ottawa), M Bourke (Ottawa), T Mesana (Ottawa)

DIGITAL POSTER SESSIONS 3RD FLOOR ATRIUM

STATION 1 - THURSDAY

EPILEPSY (EEG, BASIC SCIENCE, IMAGING, NEUROLOGY AND EPILEPSY SURGERY)

- P-073** Epilepsy is associated with greater unmet health care needs compared to the general population despite higher health resource use - A large national population-based study
A Reid (Calgary), A Metcalfe (Calgary), J Williams (Calgary), S Patten (Calgary), C Hinnell (Calgary), S Macrodimitris (Calgary), R Parker (Calgary), S Wiebe (Calgary), N Jetté (Calgary)*
- P-074** Early treatment of Rasmussen's Syndrome with Ganciclovir
RS McLachlan (London), D Diosy (London)*
- P-075** Prognostic value of ICA approach for EEG in prolonged unconscious states
OE Gurskaya (St. Petersburg), VA Ponomarev (St. Petersburg)*
- P-077** Misdiagnosis of epileptic seizures as primary psychiatric illnesses
TE Gofton (London), SM Mirsattari (London), DJ Chong (New York)*
- P-078** A Difficult Differentiation of Epilepsy from Sleep disorder and Movement disorder
A Rana (Toronto), A Al Saraawi (Toronto), F Khan (Toronto)*
- P-079** Development of Intractable Epilepsy Due to Mesial Temporal Sclerosis after Posterior Reversible Encephalopathy Syndrome (PRES)
EC Wirrell (Rochester), M Aboian (Rochester), M Junna (Rochester), K Krecke (Rochester)*
- P-080** Seizures Induced By Viewing Faces
*A Ogunyemi (St. John's)**
- P-081** Ventricular asystole during implantation of vagus nerve stimulator
S Belkhair (Halifax), D Clarke (Halifax), M Sadler (Halifax), S Rahey (Halifax)*
- P-082** Predicting mesial temporal sclerosis using a newly identified white matter tract in 3T hippocampal images based on ex-vivo imaging and histopathological correlates
K Howe (Toronto), D Dimitri (Toronto), S Buhta (Toronto), S Symmons (Toronto), A Fox (Toronto), G Tomlinson (Toronto), C Heyn (Toronto), T Kiehl (Toronto), D Mikulis (Toronto), T Valiante (Toronto)*
- P-083** Features of a subset of children with complex partial epilepsy requiring combination therapy for effective seizure control
*M Sloan (Montreal), E Simard-Tremblay (Montreal), M Shevell (Montreal)**
- P-084** Differential Effects of Topiramate and SGS-742 in Succinic Semialdehyde Dehydrogenase (SSADH) Deficient Juvenile Mice: EEG and Behavior
S Ahmad (Toronto), MA Cortez (Toronto), OC Snead 3rd (Toronto)*
- P-085** Utility of colour density spectral array and amplitude integrated electroencephalography for seizure identification in critically ill children
CP Stewart (Toronto), CD Hahn (Toronto), H Otsubo (Toronto), V Nenadovic (Toronto), A Guerguerian (Toronto), JS Hutchison (Toronto)*
- P-086** Outcome in patients with psychogenic non-epileptic seizures: a prospective follow-up study
*W Truong (London), SM Mirsattari (London)**
- P-087** Sudden unexplained death in epilepsy (SUDEP): Report of two video-EEG monitored cases
LM Bateman (Sacramento), M Spitz (Denver), M Seyal (Sacramento)*
- P-088** A benign variant of Rasmussen's encephalitis
CS Cheung (London), SM Mirsattari (London), RS McLachlan (London), RR Hammond (London)*

STATION 2 - THURSDAY GENERAL NEUROLOGY

- P-001** Transient global amnesia associated with discontinuation of tadalafil after chronic daily use
G Pfeffer (Vancouver), A Penn (Victoria)*
- P-002** Neurocysticercosis in a 27 year old male with right alien hand episodes and a single generalized seizure
Z Poonja (Saskatoon), J Tellez-Zenteno (Saskatoon), F Moien (Saskatoon)*
- P-003** Intravascular Lymphoma Involving the Brain Following Renal Cell Carcinoma
*MA Badawi (Vancouver)**
- P-004** Gammaknife procedure for treatment of hypothalamic hamartoma
C Pinard (Sherbrooke), C Deacon (Sherbrooke), D Mathieu (Sherbrooke), B Kenny (Sherbrooke), J Duval (Sherbrooke)*
- P-005** Sleep Disorder due to Viral Encephalitis
NA Parekh (Ottawa), CR Skinner (Ottawa)*
- P-006** Opsoclonus-myoclonus syndrome associated with cytomegalovirus mononucleosis
MR Keezer (Montreal), M Thibeault-Eybalin (Montreal), E Fon (Montreal)*
- P-007** HaNDL - a diagnostic challenge: The Halifax Experience
L Shimon (Halifax), V Bhan (Halifax), C Maxner (Halifax)*
- P-008** Hairy Cells and Hyphae: A Case and Review of Rhinocerebral Aspergillosis
*A Shoamanesh (Vancouver)**
- P-009** Selenium-Induced Optic Neuropathy
WA Fletcher (Calgary), VE Hill (Calgary), SF Wilson (Calgary), KD Busche (Calgary)*
- P-010** Mycobacterium bovis vertebral osteomyelitis, epidural abscess, and possible cerebral tuberculoma following intravascular BCG therapy
CB Josephson (Halifax), S Al-Azri (Halifax), BL Johnston (Halifax), D Haase (Halifax)*
- P-011** Can a cognitive screening test predict quality of life in rural and remote patients with memory complaints?
PH Wong (Saskatoon), A Kirk (Saskatoon), DG Morgan (Saskatoon), M Crossley (Saskatoon), M Heggie (Saskatoon), C Karunanayake (Saskatoon)*
- P-012** Case Report: Multiple Intracranial Inflammatory Pseudotumors
CC Gillis (Vancouver), CS Haw (Vancouver)*
- P-013** Botulinum toxin in the treatment of chronic pain syndromes
SS Nijjar (Toronto), AS Gordon (Toronto)*
- P-014** Léger de main: the thalamus and the automatic limb
DB Newman (Rochester), RM Elias (Rochester)*
- P-015** Xeomin® is stable without refrigeration: complexing proteins are not required for stability of botulinum neurotoxin type a preparations
S Manara (Toronto), S Grein (Frankfurt am Main)*, GJ Mander (Frankfurt am Main), HV Taylor (Frankfurt am Main)*

STATION 3 - THURSDAY GENERAL NEUROSURGERY I

- P-021** Hair clipping in Sikh patients undergoing craniotomy - An ethical analysis
*S Ebrahim (Toronto), S Bance (Toronto), A Fallah (Toronto)**
- P-022** Competitiveness of gaining admission to a neurosurgical residency program: the discrepancy between Canada and USA
A Fallah (Toronto), D Streiner (Toronto), S Ebrahim (Toronto)*
- P-023** The posterior septotomy of the Binasal Endoscopic Trans-sphenoidal Approach: An anatomical analysis of surgical access to the skull base
*MD Cusimano (Toronto), AA Elashaal (Toronto)**

DIGITAL POSTER SESSIONS

- P-024 Cerebrospinal fluid shunts insertion: a technique of peritoneal catheter insertion and abdominal wall closure**
AA Elashaal (Toronto), MD Cusimano (Toronto)*
- P-025 Patient with an unrepaired lumbosacral myelomeningocele presenting with a new 'head nod'**
A Szymczak (London), A Ranger (London)*
- P-026 Extended Endoscopic Endonasal Approach to Skull Base**
J Gonzalez (Halifax), O Arbolay (Halifax)*
- P-027 National Survey of Practice Patterns for Post-operative Anticoagulation in Patients Undergoing Intracranial Surgery**
NK Jha (Hamilton), G Belovay (Hamilton), M O'Donnell (Hamilton), J Eikelboom (Hamilton)*
- P-028 Carotid artery visualization during anterior skull base surgery: a novel neuronavigation protocol**
BM McGrath (Halifax), WJ Maloney (Halifax), R Hill (Halifax), E Massoud (Halifax), SA Imran (Halifax), DB Clarke (Halifax)*
- P-029 Diffusion Tensor Imaging, A Novel Tool in Neurosurgery, from Planning to Prognostication**
HM Al-Jehani (Montreal), R Saluja (Montreal), K Petrecca (Montreal)*
- P-030 Interdisciplinary, Multimodality Treatment of Orbital/Skull Base Tumors**
HM Al-Jehani (Montreal), A Zeitouni (Montreal), F Codère (Montreal), R Leblanc (Montreal)*
- P-031 The ICE phenomenon: a challenge to existing theories on the pathophysiology of communicating hydrocephalus**
R Rahme (Montreal), AG Weil (Montreal), MW Bojanowski (Montreal)*
- P-032 Spontaneous paradoxical herniation in the absence of CSF drainage following decompressive craniectomy**
R Rahme (Montreal), AG Weil (Montreal), MW Bojanowski (Montreal)*
- P-033 Late Onset Idiopathic Aqueductal Stenosis in Identical Twin Sisters: A Case Report and Review of the Literature**
LP Hnenny (Saskatoon), DR Fourney (Saskatoon), EM Frangou (Saskatoon)*
- P-034 Augmenting Hippocampal Neurogenesis Using Targeted Brain Stimulation: Implications For Memory Networks**
SS Stone (Toronto), AM Lozano (Toronto), PW Frankland (Toronto)*
- P-035 Title: Hearing preservation following microsurgical resection of large vestibular schwannomas**
S Di Maio (Vancouver), R Akagami (Vancouver)*

STATION 4 - THURSDAY

NEURO-ONCOLOGY

(MEDICAL AND RADIATION ONCOLOGY, IMAGING, TUMOR SURGERY, BASIC SCIENCE)

- P-134 Primary extra-axial medulloblastoma: A case report**
A Fallah (Toronto), SM Banglawala (Hamilton), NK Jha (Hamilton)*
- P-135 Human bone marrow-derived mesenchymal stem cells for systemic delivery of oncolytic adenovirus Delta-24-RGD**
RL Yong (Vancouver), J Fueyo (Houston), J Gumin (Houston), FC Marini (Houston), O Bogler (Houston), M Andreeff (Houston), FF Lang (Houston)*
- P-136 Intradural Extramedullary Extrasosseous Ewing's Sarcoma in Middle-Aged Adults**
FJ Mateen (Rochester), A Bardia (Baltimore), DH Lachance (Rochester), A Jatoi (Rochester), MG Haddock (Rochester), A Nassar (Rochester), JC Buckner (Rochester)*
- P-137 Multiple Ependymomas with Unusual Torsion of the Filum**
AA Al Jishi (Montreal), RF Del Maestro (Montreal), M Guiot (Montreal)*
- P-138 Opsoclonus-myoclonus and VGCC antibodies with associated paraneoplastic syndromes**
CB Josephson (Halifax), IA Grant (Halifax), TJ Benstead (Halifax)*
- P-139 Extracranial extension of ependymoma in 16 year old boy -case report and Literature review**
FE Alotaibi (Riyadh), A Maqsood (Riyadh)*



- P-140 Brain tumors in the first year of life: The CHEO experience**
N Mehrotra (Ottawa), MF Shamji (Ottawa), M Vassilyadi (Ottawa), EC Ventureyra (Ottawa)*
- P-141 Recurrent Metastatic Papillary Thyroid Carcinoma to The Central Nervous System**
QS Al Hinai (Verdun), D Sinclair (Montreal)*
- P-142 Population-based Study of Pseudoprogression after Chemotherapy in Patients with Glioblastoma**
MG Hamilton (Calgary), G Roldan (Calgary), J Scott (Calgary), P de Robles (Calgary), A Magliocco (Calgary), P Forsyth (Calgary), G Carincross (Calgary), J Easaw (Calgary)*
- P-143 Postoperative Surveillance Magnetic Resonance Imaging for Low-Grade Posterior Fossa Astrocytic Tumors**
M Vassilyadi (Ottawa), MF Shamji (Ottawa), D Keene (Ottawa), Z Tataryn (Ottawa), E Ventureyra (Ottawa)*
- P-144 Postoperative Surveillance Magnetic Resonance Imaging for Pediatric Brain Tumors**
M Vassilyadi (Ottawa), MF Shamji (Ottawa), D Keene (Ottawa), Z Tataryn (Ottawa), E Ventureyra (Ottawa)*
- P-145 Metastatic Craniopharyngioma - Case Report and Literature Review**
EM Frangou (Saskatoon), L Ogieglo (Saskatoon), JR Tynan (Saskatoon), AM Vitali (Saskatoon)*
- P-146 Pilomyxoid astrocytoma in two different age groups**
AO Alobaid (Hamilton), B Lach (Hamilton), K Reddy (Hamilton), S Singh (Hamilton)*
- P-147 Intraoperative Neurophysiology with high field intraoperative MRI for brainstem tumors**
AJ Sabbagh (Riyadh), R Bunyan (Riyadh), M Alyamany (Riyadh), A Albanyan (Riyadh), L Soualmi (Riyadh), M Ahmad (Riyadh), S Sinha (Riyadh), A Abdelmoity (Riyadh), Y Orz (Riyadh)*
- P-148 The Temozolomide RESCUE study: A Phase II trial of continuous (28/28) dose-intense temozolomide (TMZ) for recurrent malignant glioma**
J Perry (Toronto), W Mason (Toronto), K Belanger (Montreal), P Kavan (Montreal), D Fulton (Edmonton), J Easaw (Calgary), S Kirby (Halifax), D Macdonald (London), C Shields (Quebec City), J Pouliot (Kirkland)*

STATION 5 - THURSDAY

STROKE

(VASCULAR NEUROLOGY, IMAGING, BASIC SCIENCE & NEUROVASCULAR/ENDOVASCULAR SURGERY)

- P-157 Ischaemic stroke in a young patient with endometriosis, migraine and use of oral contraception and tranexamic acid**
G Pfeffer (Vancouver), S Yip (Vancouver)*
- P-158 CADISS cervical artery dissection in stroke study**
J Norris (London), H Markus (London)*
- P-159 Life Threatening Hemorrhage Complicating Cerebral Venous Thrombosis: A Report of Two Cases and Review of the Literature**
D Yavin (Edmonton), JM Findlay (Edmonton), S Naik (Edmonton)*
- P-160 Successful Hemicraniectomy for Malignant MCA Stroke post TPA failure—A case report**
CW Lim (St. John's), S Mark (St. John's)*
- P-161 Assessment of Risk Factors in Cerebrovascular Disease Among Chinese-Canadians: An 8 Year Retrospective Case-Mix Pilot Study**
JY Chu (Toronto), A Cheng (Toronto), D Ly (Toronto)*
- P-162 Familial Cavernous Malformations in the Maritime Provinces**
AC Orr (Halifax), IG Fleetwood (Halifax), C Macgillivray (Halifax), S Blowers (Halifax), DL Guernsey (Halifax), RM Sadler (Halifax)*
- P-163 Thrombosis of a Ruptured Cerebral Aneurysm Following Administration of Factor VIIa**
NE Parks (Halifax), IG Fleetwood (Halifax)*
- P-164 Ruptured intracranial aneurysm: clip or coil?**
*C Haw (Vancouver)**

DIGITAL POSTER SESSIONS

- P-165 Cardioembolic Stroke in Manitoba Children - A Clinical Presentation and Outcome Study**
M Ziesmann (Winnipeg), M Nash (Winnipeg), F Booth (Winnipeg), MF Rafay (Winnipeg)*
- P-166 Correlation of carotid stump pressure with carotid back flow during carotid endarterectomy**
YJ Jiang (London), AE Leung (London), DW Holdsworth (London), SP Lownie (London)*
- P-167 Foreign Accent Syndrome Following a Ruptured Anterior Communicating Artery Aneurysm**
H Lee (Toronto), Z Kaderali (Toronto), J Spears (Toronto)*
- P-168 A case report of an isolated pulmonary arteriovenous malformation causing stroke**
M Alhazaa (Ottawa), G Stotts (Ottawa), M Sharma (Ottawa)*
- P-169 Predictors of outcome in patients with acute disabling ischemic strokes but no intracranial vascular occlusions**
N Shobha (Calgary), AM Demchuk (Calgary), S Tymchuk (Calgary), C O'reilly (Calgary), B Menon (Calgary), M Eesa (Calgary), J Roy (Kolkata), N Steffenhagen (Calgary), V Puetz (Dresden), I Dzialowski (Dresden)*
- P-170 A prospective analysis of correlation between cerebral oximetry monitoring and stump pressure during carotid endarterectomy**
CM McDougall (Edmonton), M Jacka (Edmonton), JM Findlay (Edmonton)*
- P-171 Case Report: Noonan's Syndrome with Moyamoya in an Adult Patient**
DH Zhang (Hamilton), T Gunnarsson (Hamilton), P Klurfan (Hamilton)*
- P-172 Hemorrhagic Transformation of Ischemic Stroke after Decompressive Craniectomy and its Effect on Outcome**
HM Al-Jehani (Montreal), M Maleki (Montreal), D Sinclair (Montreal), D Sirhan (Montreal)
- P-173 De-Novo Formation and Evolution of Familial Cerebral Aneurysms**
HM Al-Jehani (Montreal), D Tampieri (Montreal), R Leblanc (Montreal)*
- P-174 A Novel Treatment of Distal Cerebral Vasospasm: Case report**
IM Alnaami (Edmonton), M Saqqur (Edmonton), M Chow (Edmonton)*
- P-175 Delayed Cystic Necrosis Post Stereotactic Radiosurgery for Arteriovenous Malformation**
QS Al Hinai (Verdun), D Tampieri (Verdun), R Leblanc (Verdun), D Sinclair (Montreal)*
- P-176 Prognosis after Cerebral AVM Rupture in Patients Presenting with Coma**
R Rahme (Montreal), N McLaughlin (Montreal), AG Weil (Montreal), MW Bojanowski (Montreal)*

STATION 6 - THURSDAY MOVEMENT DISORDERS

(BASIC SCIENCE, NEUROLOGY, IMAGING & FUNCTIONAL NEUROSURGERY)

- P-121 How is Blephrospasm associated with Ideopathic Parkinson's Disease?**
A Rana (Toronto), A Al Saraawi (Toronto), F Khan (Toronto)*
- P-122 A rarely Reported Movement Disorder-Task Specific Dystonia of Foot upon Walking**
A Rana (Toronto), F Khan (Toronto), A Al Saraawi (Toronto)*
- P-123 A newly reported severe Tremor with Combination of Chipmax and Fluoxetine**
A Rana (Toronto), A Al Saraawi (Toronto), F Khan (Toronto)*
- P-124 Anticholinergics associated Chorea and importance of Follow up visits**
A Rana (Toronto), A Alsarawi (Toronto), F Khan (Toronto)*
- P-125 A Family with Paroxysmal Kinesogenic Dyskinesia?**
A Rana (Toronto), A Al Saraawi (Toronto), F Khan (Toronto)*
- P-126 Holmes Tremor- a very Rare and very Resistant Movement disorder**
A Rana (Toronto), A Al Saraawi (Toronto), F Khan (Toronto)*
- P-127 A combination of Blephrospasm and Apraxia of Eye Lid Opening in PSP- Diagnostic and Treatment Challenge**
A Rana (Toronto), A Al Saraawi (Toronto), F Khan (Toronto)*

- P-128 Do we need to Chagne? Is Parkinson's Disease a Non Motor Disorder?**
A Rana (Toronto)*, A Al Saraawi (Toronto), F Khan (Toronto)
- P-129 Review of Clinical Trials to develop a protocol and address the Controversy of first drug of choice in Parkinson's**
A Rana (Toronto)*, A Al Saraawi (Toronto), F Khan (Toronto)
- P-130 Levodopa Sparing in not optimally Practiced in Young Onset Parkinson's Disease?**
A Rana (Toronto)*, A Al Saraawi (Toronto), F Khan (Toronto)
- P-131 Dissociation of the 900 kDa neurotoxin complex from C. Botulinum under physiological conditions**
S Manara (Toronto)*, KH Eisele (Frankfurt am Main), HV Taylor (Frankfurt am Main)
- P-132 Equivalent Potency of Xeomin® and Botox®**
S Manara (Toronto)*, D Dressler (Rostock)*, GJ Mander (Frankfurt am Main), K Fink (Frankfurt am Main)
- P-133 Comparative Antigenicity of Three Preparations of Botulinum Neurotoxin Type A in the Rabbit**
S Manara (Toronto)*, J Bluemel (Frankfurt am Main)*, J Frevert (Potsdam), A Schwaier (Frankfurt am Main)

STATION 7 - THURSDAY PEDIATRIC NEUROLOGY I

- P-051 Dysplasia of the cerebellum in Chiari type II malformation revised: new insights from eye movement research**
MS Salman (Winnipeg)*, M Dennis (Toronto), JA Sharpe (Toronto)
- P-052 Ocular motor apraxia: Disconnections and compensations**
MS Salman (Winnipeg)*, KM Ikeda (Hamilton), J Wrogemann (Winnipeg)
- P-053 Acute necrotizing encephalopathy in an Aboriginal Canadian child**
MS Salman (Winnipeg)*, E Howayyer (Winnipeg), J Wrogemann (Winnipeg)
- P-054 A Case Presentation of Anti-NMDA-receptor Paraneoplastic Encephalitis**
CM Francu (Ottawa)*, N Cook (Ottawa), D Keene (Ottawa), A Doja (Ottawa)
- P-055 Spontaneous intracerebral hemorrhage in a child with angiotensin receptor blocker fetopathy: A case report**
SP Barry (Halifax)*, P McNeely (Halifax)
- P-056 How Common is ADHD in Children with Medically Intractable Epilepsy?**
EC Wirrell (Rochester)*, L Wood (Edmonton), E Sherman (Calgary), L Hamiwka (Columbus)
- P-057 Brain Injury Patterns on MRI in Cooled Neonates with Hypoxic-Ischemic Encephalopathy(HIE)**
JH VanderPluym (Edmonton)*, SL Bonifacio (San Francisco), HC Glass (San Francisco), J Barkovich (San Francisco), DM Ferriero (San Francisco)
- P-058 A population-based cross-sectional study to investigate depressive symptoms in children with post-concussive symptoms**
K Smyth (Calgary)*, KM Barlow (Calgary), S Sandhu (Calgary), SG Crawford (Calgary), D Dewey (Calgary)
- P-059 Hypothermia is associated with Amplitude-Integrated Electroencephalogram (aEEG) Background Abnormalities in Neonates with Hypoxic-Ischemic Encephalopathy (HIE)**
SL Bonifacio (San Francisco), JH VanderPluym (Edmonton)*, HC Glass (San Francisco), J Barkovich (San Francisco), DM Ferriero (San Francisco)
- P-060 Psychogenic non-epileptic seizures (PNES) in children: psychological associations**
MB Connolly (Vancouver)*, I Jokic (Vancouver), M Ransby (Vancouver), K Farrell (Vancouver), A Ho (Vancouver)
- P-061 The critical role of 1-integrin and its interaction with the centrosome in astrocyte wound healing**
M Thibeault-Eybalin (Montreal)*, S Carbonetto (Montreal), P Holland (Montreal), H Peng (Montreal)
- P-062 Extrapontine myelinolysis with malignant cerebellar edema occurring after DDAVP-induced hyponatremia in a child: a rare problem with a tragic outcome**
A Szymczak (London)*, S Levin (London), D Fraser (London), A Ranger (London)

DIGITAL POSTER SESSIONS 3RD FLOOR ATRIUM

STATION 1 - FRIDAY

EPILEPSY (EEG, BASIC SCIENCE, IMAGING, NEUROLOGY AND EPILEPSY SURGERY)

- P-089 Neuromodulation for Intractable Epilepsy**
HM Al-Jehani (Montreal), JA Hall (Montreal)*
- P-090 Prevalence of Temporal Lobe Epilepsy and Mesial Temporal Sclerosis in a tertiary care hospital in Pakistan**
A Zafar (Karachi), SA Quadri (Karachi), F Siddiqui (Karachi), M Sheerani (Karachi), SA Enam (Karachi), S Ahmed (Edmonton)*
- P-091 Cortical reorganization and reduced efficiency of visual word recognition in right temporal lobe epilepsy: a functional MRI study**
EJ Jensen (Calgary), P Pexman (Calgary), BG Goodyear (Calgary), P Federico (Calgary)*
- P-092 The Clinical and EEG features of Rolandic Epilepsy in the adult**
*A Ogunyemi (St. John's)**
- P-093 Epilepsy Associated with Brain Arteriovenous Malformations: Outcomes of 205 Brain AVM Patients with Seizures Treated in a Multimodality Neurovascular Program**
DJ Cook (Toronto), V Geib (Heidelberg), B Pohlmann-Eden (Halifax), M Wallace (Toronto)*
- P-094 Pre-surgical Planning for Temporal Lobe Epilepsy using Functional Magnetic Resonance Imaging (fMRI) and Event Related Potentials (ERPs)**
JR Gawryluk (Halifax), RC D'Arcy (Halifax), DB Clarke (Halifax), KD Brewer (Halifax), SD Beyea (Halifax), R Sadler (Halifax), DF Weaver (Halifax)*
- P-095 Utility of MEG in revealing epileptogenic foci despite generalized or contralateral EEG abnormalities**
CY Go (Toronto), A Ochi (Toronto), H Otsubo (Toronto)*
- P-096 Prevalence of photoparoxysmal response among epilepsy patients in Canada**
BS Kumar (London), J- Chong (London), SM Mirsattari (London)*
- P-097 Fronto-temporal lobectomy for medically intractable epilepsy**
JD Pearl (Saskatoon), JF Téllez Zenteno (Saskatoon), V Sadanand (Saskatoon)*
- P-098 Chronic Atypical Absence Seizures in GABABR1b transgenic mice**
M Sonkin (Toronto), MA Cortez (Toronto), OC Snead 3rd (Toronto)*
- P-099 Electroencephalography in children treated with the ketogenic diet**
O Bennett-Back (Toronto), A Ochi (Toronto), M Zak (Toronto), YC Liu (Toronto), C Go (Toronto), EJ Donner (Toronto)*
- P-100 Successful integration of intracranial EEG and fMRI at 3 Tesla**
C Cunningham (Calgary), R Badawy (Melbourne), EJ Jensen (Calgary), D Pittman (Calgary), BG Goodyear (Calgary), P Federico (Calgary)*
- P-101 Refractory Symptomatic Occipital Lobe Epilepsy in Infants and Children: Clinical Characteristics and Surgical Outcome**
R Hung (Toronto), H Otsubo (Toronto), A Ochi (Toronto)**
- P-102 Adult-onset medically intractable nonlesional epilepsy associated with antithyroid antibodies**
*R Seetharam (London)**
- P-103 Lateralized interictal epileptiform discharges during REM sleep correlate epileptogenic hemisphere in children with intractable epilepsy secondary to tuberous sclerosis complex**
A Ochi (Toronto), Y Nawa (Toronto), T Shima (Toronto), T To (Toronto), R Hung (Toronto), C Go (Toronto), T Akiyama (Toronto), O Bennett-Back (Toronto), E Widjaja (Toronto), S Weiss (Toronto), O Snead III (Toronto), H Otsubo (Toronto)*
- P-104 Genomic Imbalances in Children with Intractable Cryptogenic Epilepsy**
MK Demos (Vancouver), T Tucker (Vancouver), S Adam (Vancouver), M Connolly (Vancouver), BC McGillivray (Vancouver), E Rajcan-Separovic (Vancouver), P Eydoux (Vancouver), JM Friedman (Vancouver)*

STATION 2 - FRIDAY HISTORY, EDUCATION

- P-105 Documentation of ethical process in neuroscience research published in the CJNS**
F Zeiler (Winnipeg), PJ McDonald (Winnipeg)*
- P-106 Neurosurgery Residents Morning Ward Rounds: QA pilot study**
SA El-Zuway (Hamilton), J Wells (Hamilton), B Lo (Hamilton), F Farrokhhyar (Hamilton)*
- P-107 How Ancient Practitioners treated Parkinson's Disease?**
A Rana (Toronto), A Al Saraawi (Toronto), F Khan (Toronto)*
- P-108 A team-based learning (TBL) approach to bioethics teaching for residents**
CJ Watling (London), SL Venance (London)*
- P-109 Who Introduced Levodopa use in Parkinson's Disease?**
A Rana (Toronto), A Al Saraawi (Toronto), F Khan (Toronto)*
- P-110 Pediatric Neurology Post-graduate Training in Canada: Current Status and Future Directions**
*A Doja (Ottawa)**
- P-111 History of Non- dopaminergic Treatments of Parkinson's Disease**
A Rana (Toronto), A Al Saraawi (Toronto), F Khan (Toronto)*
- P-112 Who gave James Parkinson idea of shaking palsy**
A Rana (Toronto), A Al Saraawi (Toronto), F Khan (Toronto)*
- P-113 History of Surgery for Movement Disorders**
A Rana (Toronto), A Al Saraawi (Toronto), F Khan (Toronto)*
- P-114 History of Tremor- Relation with Longevity and Intelligence?**
A Rana (Toronto), A Al Saraawi (Toronto), F Khan (Toronto)*
- P-115 Evolution of Dystonia in History from Psychogenic to Organic illness**
A Rana (Toronto), A Al Saraawi (Toronto), F Khan (Toronto)*
- P-116 Jean-Martin Charcot: His Life and Legacy, His Science and Students**
C Prasad (London), A Prasad (London)**
- P-117 A review of history of history of Movement Disorders-When, Where and Who?**
A Rana (Toronto), A Al Saraawi (Toronto), F Khan (Toronto)*
- P-118 Parkinson's Disease and Celebrities, is it caused by Stress, Hardwork or Exposure to Media?**
A Rana (Toronto), A Al Saraawi (Toronto), F Khan (Toronto)*
- P-119 The earlier the better? Teaching the neurological exam to first year medical students**
F Moore (Montréal), C Chalk (Montréal)*
- P-120 Consortium Of Multiple Sclerosis Centers (CMSC) Guidelines For A Standardized MRI Protocol For The Diagnosis And Follow-up Of Multiple Sclerosis: 2008 Revision**
A Traboulsee (Vancouver), D Li (Vancouver), J Simon (Portland), L Stone (Cleveland), J Wolinski (Houston), E Radue (Basel), J Halper (Teaneck)*

STATION 3 - FRIDAY GENERAL NEUROSURGERY II

- P-036 Neurological manifestations of Osler-Weber-Rendu disease: an inter-generational profile**
BW Lo (Hamilton), J Wells (Hamilton), K Reddy (Hamilton), S Tang (Hamilton), T McCallum (Hamilton), M Faughnan (Toronto), D Jichici (Hamilton)*
- P-037 Polymicrobial gram-negative ventriculitis post resection of quadrigeminal cistern epidermoid cyst**
BW Lo (Hamilton), N Murty (Hamilton), P Huff (Hamilton), K Carlino (Hamilton), S El-Zuway (Hamilton)*



DIGITAL POSTER SESSIONS

- P-038** **Neuronavigation-guided endoscopic transnasal drainage of anterior cranial base epidural and subdural empyema in children**
AG Weil (Montréal), L Crevier (Montréal), A Lapointe (Montréal), C Mercier (Montréal)*
- P-039** **Ventriculoperitoneal Shunting Causing Severe Turricephaly Mimicking**
HS Fageeh (Riyad), AJ Sabbagh (Riyad), M Ahmad (Riyad)*
- P-040** **Bilateral Coronal Craniosynostosis in Myelomeningocele Patients: Report of Two Cases**
PJ Magown (Halifax), DP McNeely (Halifax)*
- P-041** **Recent MNI Experience with Idiopathic Normal Pressure Hydrocephalus (INPH)**
F Al Subaie (Montreal), D Sirhan (Montreal)*

STATION 3 - FRIDAY

SPINE

- P-042** **Role of Intra-Operative Neurophysiological Monitoring (IONM) in Complex Spine Surgery (CSS): A retrospective study**
S Alemo (Philadelphia), A Sayadipour (Philadelphia)*
- P-043** **Potential complications of Anterior Cervical Discectomy (ACD)**
S Alemo (Philadelphia), A Sayadipour (Philadelphia)*
- P-044** **Minimally Invasive Anterior Approach to C2 Vertebral Body, Surgical Technique and Report of Two Cases**
DH Zhang (Hamilton), T Gunnarsson (Hamilton), K Reddy (Hamilton)*
- P-045** **Case Report: Osseous Union of Odontoid II Fracture without External or Internal Immobilization**
DH Zhang (Hamilton), YA Blake (Hamilton), E Kachur (Hamilton)*
- P-046** **Review: Donor Site Morbidity Associated with Autologous Iliac Crest Bone Grafting**
DH Zhang (Hamilton), E Kachur (Hamilton)*
- P-047** **Removal of lumbar spine foreign body using minimal access system with navigation**
Ga Al-Zhrani (Riyadh), Kn Almudrea (Riyadh), L Alsoualmi (Riyadh), ay Alturky (Riyadh)*
- P-048** **Multicentric Reticulohistiocytosis Presenting as Progressive Spine Deformity: Case report and review of the literature**
T Ailon (Vancouver), M Dvorak (Vancouver), C DiPaula (Vancouver), S Paquette (Vancouver)*
- P-049** **Application of a novel anterior system for odontoid screw fixation**
*Iu Haq (Thunder Bay)**
- P-050** **Chiari I Decompression with and without scoliosis in paediatrics: a retrospective study**
MA Riesberry (Saskatoon), M Machnowska (Saskatoon), R Griebel (Saskatoon), A Dzus (Saskatoon), A Vitali (Saskatoon), S Wiebe (Saskatoon)*

STATION 4 - FRIDAY

NEUROMUSCULAR

(BASIC SCIENCE, EMG/NCS & PERIPHERAL NERVE SURGERY)

- P-149** **Hereditary Myopathies and Chronic Respiratory Failure: Identification is the first step in improving outcomes for at-risk individuals**
*SL Venance (London), BL Howe (London Health Sciences Centre)**
- P-150** **Infantile Botulism—First in Newfoundland, Canada**
CW Lim (St. John's), M Alam (St. John's)*
- P-151** **Amyloid myopathy a mimicker of polymyositis—Case report**
CW Lim (St. John's), G Alan (St. John's), B Jane (St. John's)*
- P-152** **Duchenne muscular dystrophy - 30 year incidence in Nova Scotia**
JM Dooley (Halifax), KE Gordon (Halifax), L Dodds (Halifax), J MacSween (Halifax)*

- P-153 Very late functional deterioration in neurological injury: A postpolio-like syndrome?**
M del Campo (Toronto), F Paiz (Toronto)*
- P-154 Neurosurgical Patients Positioning Related Nerve Injuries**
AA Al Jishi (Montreal), L Jacques (Montreal)*
- P-155 Canadian neuromuscular disease registry**
C Campbell (London), J Puymirat (Quebec City), J Mah (Calgary), D Biggar (Toronto), H Kolski (Edmonton), P Ray (Toronto), C Swaby (Calgary)*
- P-156 Optimal intraoperative SSEP stimulus intensity can be determined by nerve action potential amplitude**
DA Houlden (Toronto), CP Stewart (Toronto), SL Robertson (Toronto), M Cohen (Toronto), G Ubriaco (Toronto), ML Schwartz (Toronto), M Fazl (Toronto), F Pirouzmand (Toronto)*

STATION 4 - FRIDAY MUSCULAR SCLEROSIS

- P-016 Atypical ADEM with evolving necrosis**
M Thibeault-Eybalin (Montreal), MR Keezer (Montreal), A Al-Hashmi (Montreal), L Durcan (Montreal)*
- P-017 An Evaluation of Practice Audit in Multiple Sclerosis**
VA Devonshire (Vancouver), V Bhan (Halifax), C Geenen (Markham), Y Lapierre (Montreal)*
- P-018 Diffusion tensor imaging abnormalities in cognitively impaired multiple sclerosis patients with mild disability**
N Akbar (Toronto), L Moradzadeh (Toronto), NJ Lobaugh (Toronto), P O'Connor (Toronto), A Feinstein (Toronto)*
- P-019 Prevalence of other autoimmune diseases in patients with multiple sclerosis**
S Kirby (Halifax), MG Brown (Halifax), TJ Murray (Halifax), P Andreou (Halifax), JD Fisk (Halifax), D MacKinnon-Cameron (Halifax), V Bhan (Halifax)*
- P-020 Stop and switch data in disease modifying drugs in multiple sclerosis: Nova Scotia experience**
A Abouzied (Halifax), J Pitman (Halifax), TL Campbell (Halifax), KJ Stadnyk (Halifax), V Bhan (Halifax)*

STATION 5 - FRIDAY STROKE (VASCULAR NEUROLOGY, IMAGING, BASIC SCIENCE & NEUROVASCULAR/ENDOVASCULAR SURGERY)

- P-177 Neuroimaging findings in giant cell arteritis presenting as a stroke**
J Zwicker (Ottawa), C Lum (Ottawa), M Sharma (Ottawa)
- P-178 Canadian Experience with Hemicraniectomy for Malignant MCA Stroke**
IG Fleetwood (Halifax), JM Findlay (Edmonton)*
- P-179 Early Toronto experience with the Pipeline Endovascular Device for complex intracranial aneurysms**
CJ O'Kelly (Toronto), J Spears (Toronto), W Montanera (Toronto), R Willinsky (Toronto), TR Marotta (Toronto)*
- P-180 Transcranial Approach for Direct Embolization of a Cavernous Sinus Dural AV Fistula: Technical Case Report**
N Chaudhary (London), SP Lownie (London), M Bussiere (London), DM Pelz (London), D Nicolle (London)*
- P-181 Tentorial branch of the superior cerebellar artery: a potential feeder for dural arteriovenous fistulae**
AG Weil (Montréal), MW Bojanowski (Montréal)*
- P-182 Fatal Posterior Reversible Encephalopathy Syndrome (PRES)**
D Jichici (Hamilton), B Lo (Hamilton), J Grynsman (Hamilton), B Lach (Hamilton), K Reddy (Hamilton)*
- P-183 Mechanical Thrombectomy for Acute Stroke with the Alligator Retrieval Device**
ME Kelly (Saskatoon), MS Hussain (Cleveland), D Fiorella (Phoenix)*



DIGITAL POSTER SESSIONS

- P-184 Improved Aneurysm Packing Density with the Enzo Microcatheter**
ME Kelly (Saskatoon), R Dodd (Stanford), MP Marks (Stanford), D Fiorella (Phoenix)*
- P-185 Delayed symptomatic coil migration after initially successful balloon assisted aneurysm coiling**
ME Kelly (Saskatoon), D Fiorella (Phoenix)*
- P-186 Curative Reconstruction of a Giant Mid-basilar Trunk Aneurysm with the Pipeline Embolization Device**
ME Kelly (Saskatoon), PK Nelson (New York), FC Albuquerque (Phoenix), D Fiorella (Phoenix)*
- P-187 Treatment of Ruptured and Unruptured Intracranial Aneurysms with the Nexus 3D Morpheus CSR Coil**
BW Lo (Hamilton), A Alobaid (Hamilton), G Belovay (Hamilton), T Gunnarsson (Hamilton), P Klurfan (Hamilton)*
- P-188 Sex differences in stroke outcomes in patients with hyperglycemia**
LK Casaubon (Toronto), J Wang (Toronto), MK Kapral (Toronto)*
- P-189 The Use of Enterprise Stent for Endovascular Treatment of Aneurysms**
P Klurfan (Hamilton), T Gunnarsson (Hamilton)*
- P-190 Parent Vessel Occlusion with HydroCoil for the Treatment of Cerebral Aneurysms**
A Algird (Hamilton), P Klurfan (Hamilton), R Larrazabal (Hamilton), T Gunnarsson (Hamilton)*
- P-191 Clinical and radiological progression of middle cerebral artery (MCA) giant fusiform aneurysm in an 11 year old girl: case report and review of the literature**
J Lee (Vancouver), M Heran (Vancouver), C Haw (Vancouver), K Poskitt (Vancouver), D Cochrane (Vancouver)*
- P-192 A Bayesian method to quantify the significance of clusters obtained from fMRI exploratory data analysis**
CR Gomez-Laberge (Ottawa), A Adler (Ottawa), I Cameron (Ottawa), TB Nguyen (Ottawa), MJ Hogan (Ottawa)**
- P-193 Incidence of Recurrent Stroke in Patients at Risk of Cardioemboli**
*M Sabih (Mississauga), N Pageau (Mississauga), AG Douen (Mississauga)**
- P-194 Endovascular Therapy of Neonatal and Infantile Intracranial Vascular Malformations**
JH Wong (Calgary), WY Hu (Calgary), WF Morrish (Calgary), M Goyal (Calgary), ME Hudon (Calgary)*
- P-195 Neoangiogenesis of a giant serpentine middle cerebral artery aneurysm**
N McLaughlin (Montreal), M Laroche (Montreal), MW Bojanowski (Montreal)*
- P-196 Endoscopic treatment of distal choroidal artery aneurysm**
N McLaughlin (Montreal), M Lévêque (Montreal), M Laroche (Montreal), MW Bojanowski (Montreal)*

STATION 6 - FRIDAY TRAUMA, CRITICAL CARE

- P-197 Orbitocranial Injury with Pulsatile Proptosis: Report of Two Cases**
AA Al Jishi (Montreal), MH Maleki (Montreal), BM Maleki (Halifax), D Tampieri (Montreal)*
- P-198 Decompressive craniectomy in the treatment of traumatic brain injury. How aggressive should we be?**
AA Al Jishi (Montreal), HM Al Jehani (Montreal), R Saluja (Montreal), MH Maleki (Montreal), J Marcoux (Montreal)*
- P-199 Irreversible posterior encephalopathy syndrome**
M Alzawahmah (London), M AlTurkustani (London), GB Young (London)*, M Sharpe (London)*
- P-200 Spinal cord perfusion pressure following spinal cord injury**
DA Zygun (Calgary), J Hurlbert (Calgary), W Yong (Calgary), A Peets (Calgary), D McGowan (Calgary), SM Pearce (Calgary), SJ DuPlessis (Calgary), S Casha (Calgary)*
- P-201 Implementing Transcranial Doppler as Confirmatory Test in Brain Death Criteria**
HM Al-Jehani (Montreal), B Sheikh (Dammam)*

- P-202 Aggressive management of severe traumatic brain injury improves survival and outcome in patients with low GCS**
RS Saluja (Montreal), R Dudley (Montreal), M Feyz (Montreal), T Razek (Montreal), A Gursahaney (Montreal), M Maleki (Montreal), J Marcoux (Montreal)*
- P-203 Risks and benefits of venous thromboembolic event (VTE) prophylaxis in traumatic brain injury (TBI) patients. A large scale, 5-year review**
RW Dudley (Montréal), RS Saluja (Montréal), B Kalmovitch (Montréal), A Bonnici (Montreal), M Maleki (Montréal), A Gursahaney (Montreal), T Razek (Montreal), J Marcoux (Montréal)*
- P-204 Improved organ donation rates in patients with brain death after adopting a comprehensive program**
BW Lo (Hamilton), D Jichici (Hamilton), N Hemrica (Hamilton)*
- P-205 Case Report of Opsoclonus-Myoclonus in an Intoxicated Patient**
CR Gebhardt (London), GB Young (London)*
- P-206 Neurological Determination of Death in Patients on Extracorporeal Membrane Oxygenation**
CR Gebhardt (London), GB Young (London), D Fortin (London), M Sen (London)*
- P-207 Comparison of the APACHE II score on admission, CT scan change and in-hospital Mortality in Acetaminophen - induced Acute Fulminant Hepatic Failure patients**
S Thayaparajah (London), I Gulka (London), R Butler (London), S Das (London), GB Young (London)*

STATION 7 - FRIDAY PEDIATRIC NEUROLOGY II

- P-063 Is it a Concussion or a Minor Traumatic Brain Injury or a Mild Traumatic Brain Injury?**
KE Gordon (Halifax), EA Fitzpatrick (Halifax), P Wren (Halifax), JM Dooley (Halifax), EP Wood (Halifax)*
- P-064 Acute traumatic subdural hematoma with associated restricted diffusion of cerebral white matter**
V Ramaswamy (Edmonton), FD Jacob (Edmonton), V Mehta (Edmonton), R Tang-Wai (Edmonton)*
- P-065 Parental and patient strategies for ensuring adequate sleep deprivation in children undergoing sleep-deprived EEG**
R RamachandranNair (Hamilton), S Sharma (Hamilton)*
- P-066 Pediatric exophytic brainstem gliomas and post-operative cerebral salt wasting syndrome**
L Crevier (Montréal), AG Weil (Montréal), M Traistaru (Montréal), C Mercier (Montréal)*
- P-067 Neuroimaging Correlations of Frontal Intermittent Rhythmic Delta Activity in Children**
S Menascu (Toronto), I Mohamed (Toronto), SM Tshechmer (Toronto), M Shroff (Toronto), MA Cortez (Toronto)*
- P-068 Relationship between MEG spike sources and fMRI language patterns in children with epilepsy**
O Bar-Yosef (Toronto), H Otsubo (Toronto), S Chuang (Toronto), D Morris (Toronto), EJ Donner (Toronto)**
- P-069 Myoclonus-dystonia syndrome: early onset, atypical presentation in a child**
GA Horvath (Vancouver), S Mercimek-Mahmutoglu (Vancouver), K Selby (Vancouver)*
- P-070 Electroretinogram and Developmental Outcome of Infantile Spasms**
KG Werner (Toronto), M Cortez (Toronto), T Wright (Toronto), E Widjaja (Toronto), S Weiss (Toronto), C Snead (Toronto), E Donner (Toronto), C Westall (Toronto)*
- P-071 Congenital Oculomotor Paresis with Prolonged Non-Cyclic Spasm**
TN Rajapakse (Calgary), KM Barlow (Calgary), WA Fletcher (Calgary)*
- P-072 MRI and Neurophysiology in Amyoplasia**
SH Kelly (London), C Campbell (London), M Fortier (London)*

RENSEIGNEMENTS D'ORDRE GÉNÉRAL

LIEU DE LA RÉUNION ET INSCRIPTION

SITE DE LA RÉUNION

Le World Trade and Convention Centre
1800, rue Argyle
Halifax (Nouvelle-Écosse) B3J 2V9

INSCRIPTION DES DÉLÉGUÉS ET DES CONFÉRENCIERS

Sur place

Kiosque d'inscription
Le World Trade and Convention Centre

Le mardi 9 juin	de 6 h 30 à 18 h 30
Le mercredi 10 juin	de 7 h à 18 h 30
Le jeudi 11 juin	de 7 h à 18 h 30
Le vendredi 12 juin	de 7 h à 13 h 30

SITES DES PROCHAINS CONGRÈS DE LA FÉDÉRATION DES SCIENCES NEUROLOGIQUES DU CANADA

Du 8 au 11 juin 2010	Québec, Québec
Du 14 au 17 juin 2011	Vancouver, Colombie-Britannique

DÉTAILS D'INSCRIPTION

Inscription pour l'événement entier

- Les participants inscrits pour l'événement entier peuvent assister à toutes les séances du congrès annuel 2009, du mardi 9 juin au vendredi 12 juin.
- Comprend la réception des commanditaires et des exposants.

Inscription pour une journée

- Les participants inscrits pour une journée seulement peuvent assister à toutes les séances ce jour-là, ainsi qu'à la réception des commanditaires et des exposants le mercredi ou au dîner dans la salle des exposants le jeudi ou le vendredi, s'ils sont inscrits ce jour-là.

Insignes

- Les délégués doivent porter leur insigne en tout temps afin d'accéder aux cours, aux séances scientifiques et aux soirées du congrès. Les billets seront vendus et ramassés pour le Souper de homard des Maritimes et fête de cuisine



ÉVÉNEMENTS MODAINS

DÉJEUNER DES RÉSIDENTS

Mardi 9 juin 2009 - de 7 h 15 à 8 h 30

World Trade and Convention Centre - Tous les résidents sont invités à participer à ce déjeuner et à rencontrer leurs collègues ainsi que les membres du conseil d'administration de la FSNC. Déjeuner continental gratuit.

RÉCEPTION DES COMMANDITAIRES ET DES EXPOSANTS

Mercredi 10 juin 2009 - de 17 h 00 à 18 h 30

World Trade and Convention Centre - Salle 200, grande salle de bal. Vin et fromage. Bar payant. **Insignes nécessaires pour accéder à cet événement.**

SOUPER DE L'ACNP

Mercredi 10 juin 2009 ; 19h00

Lieu : notre collègue Joe Dooley est l'hôte du souper annuel de l'ACNP prévu dans sa demeure à Halifax. L'adresse suivra lors de l'inscription. Les billets coûtent 80 \$ par personne.

SOUPER DE HOMARD DES MARITIMES ET FÊTE DE CUISINE

Jeudi 11 juin 2009 Réception : 18 h, souper et danse 19 h

Cunard Centre. Amusez-vous avec vos amis et vos collègues sur le Pier 23 historique, le long du port d'Halifax, tout en savourant un festin traditionnel de homard! Les billets coûtent 85 \$ par personne et sont disponibles lors de l'inscription. (Voir la page 43 pour de plus amples renseignements). *La FSNC remercie notre Comité social de Halifax qui a mis au point ce concept et pris les dispositions localement pour cette activité. Ils sont : Ian Fleetwood, Gordon Gubitz, Sean Christie, Heather Stoyles, Debbie Beveridge, Rayleen Murphy and Judi Phillips.*

Objectifs éducatifs du congrès 2009 :

À la fin du congrès, les participants sauront :

- * Discuter des progrès en matière de gestion des troubles neurologiques et neurochirurgicaux aigus ou chroniques
- * Discuter des nouvelles découvertes en matière de dystrophies musculaires et de maladies démyélinisantes chez les enfants
- * Décrire de nouvelles techniques chirurgicales pour le traitement des troubles neurovasculaires
- * Résumer les progrès en matière de neurobiologie du système nerveux autonome

Mardi 9 juin 2009

- 7 h15 à 8 h30 Déjeuner des résidents
Suites 304-305
- 8h15 à 17h **Avancées dans la neurobiologie des maladies**
Suites 301-303
- 8h 30 à 17h **SLA**
Salle 200 C2
- 8h 30 à 17h **Journée de la neurologie pédiatrique**
Suites 202-203
- 12h à 13h30 Dîner
- 13h30 à 15h30 **Séance en petits groupes 2 sur la SLA**
Salle 200 C1
- 18h à 20h **Séance vidéo sur l'épilepsie**
Salle 200 C2
- 18h à 20h **Groupe d'intérêt sur les troubles du mouvement**
Salle 200 C1
- 18h à 20h **Groupe d'intérêt sur les céphalées**
Suites 202-203
- 18h à 20h **Groupe d'intérêt sur les maladies neuromusculaires**
Suites 301-303

Mercredi 10 juin 2009

- 8h à 10h **Séance plénière d'ouverture - Progrès scientifiques et techniques dans le domaine des neurosciences cliniques**
Salle 200 C1/C2
- 10h à 10h15 Pause - Foyer - Salle de conférence du niveau 2
- 10h15 à 11h45 **Présentations de séance plénière sélectionnées par le président**
Salle 200 C1/C2
- 12h à 13h30 **Symposium du secteur élaboré conjointement sur l'épilepsie (UCB Pharma Canada)** *Suites 301-302*
- 12h à 13h30 **Symposium du secteur élaboré conjointement sur la douleur neuropathique (Pfizer Canada)**
Suites 202-204

- 13h30 à 17h **Cours simultané sur les maladies neurovasculaires – Neuroradiologie**
Suite 305
- 13h30 à 17h **Cours simultané sur les maladies neurovasculaires – Maladies neurovasculaires cliniques**
Suite 306
- 13h30 à 17h **Colonne vertébrale**
Suite 303
- 13h30 à 17h **Soins neurologiques intensifs**
Suite 304
- 13h30 à 17h **Épilepsie**
Salle 200 C1/C2
- 13h30 à 17h **EMG**
- Delta Halifax Hotel - Salle McDonald et Mayflower
- Université Dalhousie *Salle 14G*
- 13h30 à 17h **Neuroophthalmologie**
Suite 205
- 17h à 18h30 Réception des commanditaires et des exposants
Salle 200 DE
- 18h30 à 20h **Symposium du secteur élaboré conjointement sur la douleur diabétique neuropathique (Boehringer Ingelheim)**
Suites 202-204
- 19h00 **Souper de l'ACNP**

Jeudi 11 juin 2009

- 8h à 9h30 **Séance plénière - SCN, ACNP et SCNC**
Salle 200 C1
- 8h à 9h30 **Séance plénière - SCNCH**
Salle 200 C2
- 9h30 à 10h Pause
Salle 200 DE
- 9h30 à 10h Visionnement des affiches numériques
- voir page 56/62 *Atrium 3ème étage*
- 10h à 12h15 **Séances-plateformes (neurologie générale) - voir page 47** *Suite 203*

CODE DES COULEURS

Assemblée générale annuelle (AGA), Association canadienne de neurologie pédiatrique (ACNP), Journal canadien des sciences neurologiques (Journal), Société canadienne de neurologie (SCN), Société canadienne de neurochirurgie (SCNCH), Société canadienne de neurophysiologie clinique (SCNC), Fondation des sciences neurologiques du Canada (FSNC), Caractères gras désignent des événements du programme scientifique. Les lettres en noir, des rencontres à *caractère commercial ou autre*.

Jeudi 11 juin 2009 continué

- 10h à 12h15 **Séances-plateformes (neurochirurgie générale et histoire)** - voir page 48
Suite 202
- 10h à 12h15 **Séances-plateformes (neurologie pédiatrique)** - voir page 48 *Salle 200 C2*
- 10h à 12h15 **Séances-plateformes (colonne vertébrale I)** - voir page 49 *Suite 204*
- 10h à 12h15 **Séances-plateformes (épilepsie I)**
- voir page 50 *Suite 205*
- 10h à 12h15 **Séances-plateformes (accident vasculaire cérébral / cérébrovasculaire I)**
- voir page 50 *Salle 200 C1*
- 12h15 à 14h Dîner/Visite de l'exposition *Salle 200 DE*
- 12h15 à 14h Mini-plateformes numériques
- voir page 56 *Atrium 3ème étage*
- 14h à 16h30 **Séances-plateformes (SEP /Démence)**
- voir page 51 *Salle 200 C2*
- 14h à 16h30 **Séances-plateformes (troubles du mouvement / neuromusculaire)**
- voir page 52 *Suite 203*
- 14h à 16h30 **Séances-plateformes (neurochirurgie générale II)**
- voir page 52 *Suite 202*
- 14h à 16h30 **Séances-plateformes (colonne vertébrale II)** - voir page 53 *Suite 204*
- 14h à 16h30 **Séances-plateformes (accident vasculaire cérébral / cérébrovasculaire II)**
- voir page 54 *Salle 200 C1*
- 14h à 16h30 **Séances-plateformes (neuro-oncologie)**
- voir page 54 *Suite 205*
- 14h à 16h30 **Séances-plateformes (traumatismes / soins intensifs)** - voir page 55 *Suite 306*
- 16h30 à 17h30 Visite de l'exposition *Salle 200 DE*
- 16h30 à 17h30 Visionnement des affiches numériques
- voir page 56 *Atrium 3ème étage*
- 18h à 24h Souper de homard des Maritimes et fête de cuisine
Centre Cunard

Vendredi 12 juin 2009

- 8h à 8h15 Rapport du rédacteur en chef du journal et présentation du Prix Eminent relecteur de manuscrits
Salle 200 C1/C2
- 8h15 à 8h30 Rapport du CBANHC
Salle 200 C1/C2
- 8h30 à 9h30 **Conférencier émérite invité : Mme. Margaret Atwood**
Salle 200 C1/C2
- 9h30 à 10h15 Pause et visite de l'exposition/Seance de signature de livres par Margaret Atwood
Salle 200 DE
- 9h30 à 10h15 Visionnement des affiches numériques
- voir page 56/62 *Atrium 3ème étage*
- 10h15 à 12h **Tables rondes**
Salle 200 C1/C2
- 12h à 13h30 Dîner/Visite de l'exposition *Salle 200 DE*
- 12h à 13h30 Mini-plateformes numériques
Atrium 3ème étage
- voir page 56 (jeudi)
- voir page 62 (vendredi)
- 13h30 à 17h **Nerfs périphériques**
Suite 304
- 13h30 à 17h **Les nouveautés en neurochirurgie**
Salle 200 C2
- 13h30 à 17h **EEG**
Suite 202
- 13h30 à 17h **Endoscopie**
Suite 203
- 13h30 à 17h **Démence**
Suite 204
- 13h30 à 17h **Les nouveautés en neurologie**
Suite 305
- 13h30 à 17h **Sclérose en plaques**
Salle 200 C1

Sauf indication contraire, toutes les réunions ont lieu au World Trade and Convention Centre.



Lundi 8 juin 2009

14h30 à 15h30	Séance du comité de la FSNC - Gouvernance <i>Salle Empress – Delta Halifax</i>
15h30h à 20h	Réunion du Conseil d'administration de la FSNC et du NSFC <i>Salle Empress – Delta Halifax</i>

Mardi 9 juin 2009

7h à 8h	Réunion du conseil de l'ACNP <i>Suite 101</i>
12h à 13h	Réunion des résidents en neurologie de la SCN <i>Suite 305</i>
12h à 13h	Réunion de la section EMG de la SCNC <i>Suite 304</i>
12h30 à 16h30	Comité spécialisé en neurologie du Collège royal <i>Suite 306</i>
13h à 14h	Réunion de la section EEG de la SCNC <i>Suite 304</i>
13h30 à 15h30	Réunion du comité de la FSNC sur le perfectionnement professionnel <i>Suite 305</i>
14h30 à 16h30	Réunion du comité de la FSNC sur le programme scientifique <i>Suite 305</i>
14h30 à 16h30	Réunion du conseil de rédaction du journal de la FSNC <i>Suite 304</i>
16h30 à 18h	Réunion du conseil de la SCNC <i>Suite 304</i>
16h30 à 18h	Réunion du conseil de la SCNCH <i>Suite 306</i>
17h00 à 18h	Assemblée générale annuelle de l'ACNP <i>Suite 202</i>
17h30 à 18h30	Réunion des résidents en neurochirurgie de la SCNCH <i>Suite 305</i>

Mercredi 10 juin 2009

7h à 8h	Assemblée générale annuelle de la Société canadienne de la céphalée <i>Suite 303</i>
11h30 à 12h30	Réunion du Groupe de recherche canadien sur les maladies neuromusculaires pédiatriques <i>Suite 101</i>

Jeudi 11 juin 2009

7h à 8h30	Réunion du Canadian Board of Registration of EEG Technologists <i>Suite 306</i>
7h à 8h30	Réunion du comité spécialisé en neurochirurgie du Collège royal <i>Suite 305</i>
7h à 8h	Réunion du comité de la FSNC – Sociétés affiliées <i>Suite 304</i>
7h à 8h	Réunion du conseil de la SCN <i>Salle de conférence du niveau 2</i>
12h à 13h30	Réseau de groupe canadien sur l'épilepsie pédiatrique <i>Suite 101</i>
12h30 à 13h30	Réunion de la Société canadienne de soins intensifs <i>Suite 305</i>
13h à 14h	Groupe d'études canadien sur la neurochirurgie pédiatrique <i>Suite 304</i>
16h30 à 17h30	Assemblée générale annuelle de la SCN <i>Suite 305</i>

Vendredi 12 juin 2009

7h à 8h	Assemblée générale annuelle de la SCNC <i>Suite 202</i>
7h à 8h	Assemblée générale annuelle de la SCNCH <i>Suite 203</i>
10h15 à 11h15	Coalition CBANHC <i>Salle de conférence du niveau 2</i>
12h à 13h30	Assemblée du conseil d'administration et des associés de la FSNC <i>Suite 205</i>
12h à 13h30	Réunion du Groupe canadien des maladies neuromusculaires <i>Salle de conférence du niveau 2</i>

Sauf indication contraire, toutes les réunions ont lieu
au World Trade and Convention Centre.
**Les réunions d'affaires sont commanditées par
The Advance Group.**

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The Congress of the Canadian Neurological Sciences Federation is the largest educational forum and industry show in the country for neurologists, neurosurgeons, child neurologists, neuroradiologists and neurophysiologists. Representing the largest and most diverse neuro-specialist groups in Canada, the Quebec City Congress in June 2010 will again feature exceptionally strong science and hold undeniable corporate value for our industry partners.

If you and your organization would like more information, or would like to discuss how you can partner with CNSF and meaningfully connect with our Congress delegates, please call or email Brett Windle, Corporate Development Coordinator at (403) 229-9544 or brett-windle@cnsfederation.org.

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Le congrès de la Fédération des sciences neurologiques du Canada est le forum d'éducation et le salon professionnel le plus important du pays pour les neurologues, les neurochirurgiens, les neuropédiatres, les neuroradiologues et les neurophysiologistes. Représentant les groupes de spécialistes en neurologie les plus importants et les plus diversifiés au Canada, le congrès à Québec en juin 2010 mettra encore en vedette des sciences exceptionnellement solides et offrira une valeur commerciale indéniable aux partenaires de notre secteur d'activité.

Si vous et votre entreprise souhaitez obtenir davantage de renseignements, ou si vous souhaitez discuter de l'établissement d'un partenariat avec la FSNC afin de tisser des liens significatifs avec nos délégués, veuillez communiquer avec Brett Windle, coordonnateur du développement des entreprises, par téléphone au 403-229-9544 ou par courriel à brett-windle@cnsfederation.org.

Joignez-vous aux chefs de file canadiens des neurosciences dans le secteur pharmaceutique et le secteur de la fabrication de l'équipement, en montrant votre soutien pour l'éducation permanente et l'acquisition continue du savoir.

**Avancées dans la neurobiologie
des maladies
de 8 h 15 à 17 h Suites 301-303**

*Ce cours est rendu possible par une généreuse subvention éducative
sans restriction de la Fonds Don Paty de la FSNC-SCN*

Présidents: Peter Smith, Peter Dirks

Sommaire de cours : pour mieux refléter les objectifs et le but du cours de Révision de la neurobiologie, ce cours a été renommé et est assuré par Peter Smith, spécialiste des sciences fondamentales, et Peter Dirks, neurologue. Cette année, le thème principal est le système nerveux autonome, qui mènera à des discussions sur la maladie de Parkinson, l'utilisation de cellules souches en neurologie et les aspects pertinents sur le plan clinique de la neurobiologie du développement.

Objectifs d'apprentissage : à la fin de cette séance, les participants sauront :

- 1) faire le lien entre les changements de l'activité du système nerveux autonome et les changements mesurables chez le patient, tels que la fréquence cardiaque, la tension artérielle et la température.
- 2) Expliquer la compréhension actuelle de l'étiologie de la maladie de Parkinson et son effet sur la gestion thérapeutique de cette maladie
- 3) Expliquer les avantages et les inconvénients de l'utilisation de cellules souches pour le traitement de maladies neurologiques.

Public visé : résidents en neurologie et en neurochirurgie.

- 8 h 15 Inscription
- 8 h 30 **Introduction - Le système nerveux autonome chez les personnes malades et en bonne santé**
Peter Smith (Edmonton, AB)
- 9 h 15 **Évaluation clinique de la fonction autonome**
Zaeem Siddiqi (Edmonton, AB)
- 10 h 15 Discussion et pause
- 10 h 45 **Neurobiologie de la fièvre et des convulsions fébriles**
Quentin Pittman (Calgary, AB)
- 11 h 30 **Neurobiologie de la maladie de Parkinson**
Harry Robertson (Halifax, NS)
- 12 h 15 Discussion
- 12 h 45 Pause
- 14 h 00 **Rôle des cellules souches dans la réparation du système neuronal**
Freda Miller (Toronto, ON) TENTATIVE
- 14 h 45 Discussion
- 15 h 15 **Biologie chimique des précurseurs neuronaux**
Peter Dirks (Toronto, ON)
- 16 h 00 Discussion et évaluation

Stratégies visant l'amélioration de la qualité de vie et de la qualité des soins pour les personnes atteintes de SLA

de 8 h 30 à 17 h **Salle 200 C2**

- Président:** David Cameron
- Sommaire de cours :** sessions interactives d'une journée avec des patients, des fournisseurs de soins, des professionnels paramédicaux, des neurologues, des physiatres, des agences de soutien communautaire; un examen complet de sujets actuels concernant la SLA, y compris le diagnostic et la recherche, la gestion et la défense des droits.
- Objectifs d'apprentissage :** à la fin de ce symposium, les participants sauront :
- 1) décrire les caractéristiques cliniques et pathophysiologiques actuelles de la SLA.
 - 2) identifier et mettre en pratique des stratégies visant à améliorer l'activité et la qualité de vie des personnes atteintes de SLA.
 - 3) démontrer leur compréhension des initiatives de recherche et des résultats des études sur la SLA.
- Public visé :** patients, fournisseurs de soins, professionnels paramédicaux, neurologues, physiatres et agences de soutien communautaire.

8 h 30 Inscription

9 h 00 **Société canadienne de la SLA – mandat et activités de recherche**
David Cameron, (Toronto, ON)

Séance 1 : Présentations de séance plénière – Présidées par : Hannah Briemberg (Vancouver, BC)

9 h 10 **Nouvelles - TDP43 - Michael Strong (London, ON)**

9 h 35 **Nouvelles - Consortium de la Société canadienne de la SLA et étude sur le lithium - Lorne Zinman (Toronto, ON)**

10 h 00 Séance de questions et réponses

10 h 20 Pause

Séance II : Présentations des panels – Présidées par : Ian Grant (Halifax, NS)

10 h 40 **Sexualité et SLA - Colleen O'Connell (Fredericton, NB), Lisa Krivickas (Boston, MA, USA)**

12 h 00 Séance de questions et réponses

12 h 15 Dîner

Séance III Séances interactives avec les experts

13 h 30 **Patients, fournisseurs de soins et professionnels de la santé**
Modérateur : Mary Hatcher (Halifax NS)

(1) Réunion d'experts avec les directeurs exécutifs de plusieurs sociétés provinciales de SLA.

(2) Séance sur le rôle complémentaire des cliniques neuromusculaires et de la neuro-réhabilitation

13 h 30 **Médecins et chercheurs - Modérateur : Moderator: Hannah Briemberg (Vancouver, BC)**

(1) Gestion de la douleur pour les patients atteints de SLA - Angela Genge (Montreal, QC)

(2) Incidence de SLA en Nouvelle-Écosse sur deux décennies - Ian Grant (Halifax, NS)

15 h 00 Pause

Séance IV - Présidée par: David Cameron (Toronto, ON)

15 h 15 **À déterminer**

15 h 45 Mot de la fin et évaluations

David Cameron (Toronto, ON), Mary Hatcher (Halifax NS)



Journée de la neurologie pédiatrique de 8h30 à 17 h *Suites 202-203*

Présidents:

Harvey Sarnat, Joseph Dooley

Sommaire de cours :

Sommaire de cours : le but de cette séance est de démontrer les percées les plus récentes en neuroembryologie et sa relation avec le développement cérébral anormal dans le cadre de malformations, et non de constituer un examen complet de données connues. Cette session s'attarde particulièrement sur les percées sur le plan de l'interprétation diagnostique fondée sur la programmation génétique moléculaire du tube neural, les caractéristiques de la neuroimagerie et les découvertes neuropathologiques modernes relatives à la dysgénésie cérébrale, y compris de nouvelles séquences d'IRM et de nouvelles réactivités immunocytochimiques dans des coupes biologiques de cerveaux humains fœtaux et post-nataux. Les malformations faisant l'objet de la discussion comprendront les structures supratentorielles et les structures infratentorielles. Le développement de la crête neurale et sa relation avec certains syndromes neurocutanés sont également inclus. Pour terminer, de nouvelles données sur la formation des fissures et des gyrus du cerveau seront présentées.

Objectifs d'apprentissage : à la fin de cette séance, les participants sauront :

- 1) actualiser les concepts actuels de mécanismes pathogénétiques de dysgénésie cérébrale.
- 2) comprendre les capacités et les limitations diagnostiques de la neuroimagerie pour le diagnostic de malformations cérébrales.
- 3) comprendre les capacités et les limitations diagnostiques de l'examen neuropathologique de malformations cérébrales.

Public visé :

neurologues, neuropédiatres, pédiatres, infirmières en neurosciences.

- 8 h 30 Accueil et introduction
Harvey Sarnat (Calgary, AB), Joseph Dooley (Halifax, NS)
- 8 h 45 **Synaptogénèse dans le cerveau humain en développement et dans les malformations**
Harvey Sarnat (Calgary, AB)
- 9 h 45 **Effets de l'hydrocephalie sur le cerveau en développement**
Peter Humphreys (Ottawa, ON)
- 10 h 20 Pause
- 10 h 45 **La neuroimagerie dans le diagnostic des malformations cérébrales**
Xing-Chang Wei (Calgary, AB)
- 11 h 45 **Embryologie et expression neurologique de syndromes neurocutanés**
Laura Flores-Sarnat (Calgary, AB)
- 12 h 30 Dîner
- 13 h 30 **Malformations de la fosse postérieure : l'ancien et le nouveau**
Michael Salman (Winnipeg, MB)
- 14 h 15 **Dysplasie septo-optique**
Peter Humphreys (Ottawa, ON)
- 14 h 45 Pause
- 15 h 00 **Flexure télencéphalique lors du développement cérébral normal et anormal**
Harvey Sarnat (Calgary, AB)
- 15 h 30 Discussion du panel des conférenciers

Séance vidéo sur l'épilepsie de 18 h à 20 h *Salle 200 2C*

Président: Richard McLachlan

Sommaire de cours : la sémiologie des crises est importante pour établir un diagnostic d'épilepsie. Ce cours démontrera en quoi les vidéos sont utiles pour diagnostiquer et classer les crises.

Objectifs d'apprentissage : à la fin de cette séance, les participants sauront :

- 1) distinguer différents types de crises au moyen de la vidéo
- 2) différencier les crises d'autres épisodes.
- 3) reconnaître les signes physiques des crises.

Public visé : résidents, fellows et étudiants en médecine, neurologues et neuropédiatres, infirmières et technologues en EEG.

18 h 00 **Crises pédiatriques dans les Maritimes**
Peter Camfield (Halifax, NS)

18 h 30 **Autres crises dans les Maritimes - nouvelle formule**
Mark Sadler (Halifax, NS)

19 h 00 **Crises de type « crazy seizures »**
Jose Martin del Campo (Toronto, ON)

19 h 30 **Que dire d'autre**
Richard McLachlan (London, ON)

Groupe d'intérêt sur les troubles du mouvement De 18 h à 20 h *Salle 200 C1*

Président: Alex Rajput

Sommaire de cours : il s'agit d'une séance vidéo interactive axée sur la reconnaissance et la description, le diagnostic différentiel et le traitement de troubles du mouvement.

Objectifs d'apprentissage : à la fin de cette séance, les participants sauront :

- 1) décrire et distinguer différents troubles du mouvement.
- 2) établir un diagnostic différentiel approprié.
- 3) gérer des troubles du mouvement courants.

Public visé : les résidents, les neurologues généraux et les neurologues spécialisés en troubles du mouvement sont invités à participer aux discussions.

Groupe d'intérêt sur les céphalées
De 18 h à 20 h Suites 202-203

*Ce cours est rendu possible par une généreuse subvention
éducative sans restriction de Merck Frosst*

Président: Jonathan Gladstone

Sommaire de cours : il s'agit d'une séance interactive comprenant des discussions en groupe sur des cas de céphalée intéressants et complexes. Le corps professoral présentera des cas de troubles primaires et secondaires qui souligneront des points à enseigner concernant le diagnostic clinique, les recherches sur le diagnostic et la gestion thérapeutique. Les secteurs controversés dans le domaine de la médecine des céphalées, ainsi que de nouvelles thérapies émergentes pour le traitement des céphalées, seront examinés. Les participants seront également invités à soumettre des cas difficiles qui feront l'objet d'une discussion en groupe.

Objectifs d'apprentissage : à la fin de cette séance, les participants :

- 1) auront examiné des cas de céphalée primaire et secondaire présentant un défi sur le plan diagnostique et auront appris des leçons à ce sujet.
- 2) auront discuté de défis thérapeutiques dans la gestion de troubles liés aux céphalées primaires, et auront partagé des perles de sagesse cliniques concernant la gestion appropriée.
- 3) auront examiné des sujets faisant actuellement l'objet de controverses dans le domaine de la médecine des céphalées, et auront acquis une compréhension des différences relatives à la pratique clinique parmi les neurologues canadiens.
- 4) auront acquis des connaissances sur de nouveaux développements émergents dans le domaine de la médecine des céphalées.

Public visé : neurologues traitant des adultes, neuropédiatres, spécialistes en céphalées, résidents en neurologie/neurochirurgie; toutes les personnes intéressées sont bienvenues.

**Groupe d'intérêt sur les
maladies neuromusculaires**
De 18 h à 20 h Suites 301-303

*Ce cours est rendu possible par une généreuse subvention
éducative sans restriction de Talecris*

Président: Kristine Chapman

Sommaire de cours : il s'agit d'une séance interactive comprenant des discussions en groupe sur des cas de maladie neuromusculaire intéressants et complexes. Des résumés écrits des cas seront remis à la fin. Des idées concernant des études ou des initiatives de collaboration feront peut-être l'objet de discussions.

Objectifs d'apprentissage : à la fin de cette séance, les participants :

- 1) auront discuté de 6 à 8 cas complexes de maladies neuromusculaires.
- 2) auront échangé des idées pour des études ou des initiatives de collaboration concernant les maladies neuromusculaires.
- 3) auront acquis des connaissances concernant les nouveaux développements dans le domaine des maladies neuromusculaires.

Public visé : spécialistes des maladies neuromusculaires, neuropédiatres, résidents s'intéressant au domaine des maladies neuromusculaires, mais tous sont bienvenus.

Séance plénière d'ouverture - Progrès scientifiques et techniques dans le domaine des neurosciences cliniques

De 8 h à 10 h *Salle 200 C1/C2*

Ce cours est rendu possible par une généreuse subvention éducative sans restriction de la NSFC

Présidents:

George Elleker, Richard Desbiens

Objectifs d'apprentissage :

À la fin de cette séance plénière, les participants :

- 1) Auront acquis des connaissances relatives à la revascularisation non occlusive du cerveau assistée par laser.
- 2) Sauront ce que les spécialistes en neurosciences peuvent apprendre lorsqu'ils communiquent avec les patients.
- 3) Connaîtront les développements futurs immédiats concernant la réparation du cerveau et la robotique.

8 h 00 Accueil et introduction

8 h 10 **Revascularisation non occlusive du cerveau assistée par laser**

Cornelius Tulleken (Utrecht, The Netherlands)

8 h 45 **Ce que les médecins du cerveau peuvent apprendre en bavardant avec les patients : un parcours qualitatif**

Mark Bernstein (Toronto, ON)

9 h 20 **Conférence Richardson – Nouveaux horizons en neurochirurgie : la réparation du cerveau et la robotique**

Ivar Mendez (Halifax, NS)

Présentations de séance plénière sélectionnées par le président de 10 h 15 à 11 h 45

Salle 200 C1/C2

Les présentations de séance plénière sélectionnées par le président représentent les meilleurs résumés présentés au cours du congrès en 2009

Objectifs d'apprentissage : À la fin des séances-plateformes et après avoir visionné les affiches numériques, les participants connaîtront les études et les avancées actuelles concernant les soins aux patients relatives à la neuroscience au Canada.



**Symposium du secteur élaboré
conjointement sur l'épilepsie**

- UCB Pharma Canada

de 12 h à 13 h 30 Suites 301-302

Cet événement est accrédité comme activité d'apprentissage collectif (Section 1) tel que définie par le programme de maintien du certificat du Collège royal des médecins et chirurgiens du Canada. Il a été élaboré conjointement par la Société canadienne de neurologie et UCB Pharma Canada. Ce programme a été examiné et approuvé par la Société canadienne de neurologie pour l'obtention d'un crédit de niveau 1.

**Symposium du secteur élaboré
conjointement sur la douleur
néuropathique - Pfizer Canada**

de 12 h à 13 h 30 Suites 202-204

Cet événement est accrédité comme activité d'apprentissage collectif (Section 1) tel que définie par le programme de maintien du certificat du Collège royal des médecins et chirurgiens du Canada. Il a été élaboré conjointement par la Société canadienne de neurologie et Pfizer Canada. Ce programme a été examiné et approuvé par la Société canadienne de neurologie pour l'obtention d'un crédit de niveau 1.

**Cours simultané sur les maladies
neurovasculaires – Neuroradiologie
de 13 h 30 à 17 h Suite 305**

*Ce cours est rendu possible par une généreuse subvention
éducative sans restriction de Johnson & Johnson/Codman*

- Président:** Timo Krings
- Sommaire de cours :** fournir des nouvelles sur la compréhension actuelle de la pathologie, l'imagerie et le traitement des anévrismes artériels cérébraux, tant sur le plan de la neurochirurgie que sur le plan thérapeutique et diagnostique en matière de neuroradiologie.
- Objectifs d'apprentissage :** à la fin de cette séance, les participants sauront :
- 1) évaluer différentes vasculopathies anévrysmales et comprendre qu'elles représentent une grande diversité d'étiologies.
 - 2) recommander le traitement ou l'abstention thérapeutique dans les cas d'anévrismes sans rupture.
 - 3) planifier et effectuer une imagerie de suivi dans les cas d'anévrismes cérébraux traités.
 - 4) distinguer les anévrismes pédiatriques des anévrismes adultes.
- Public visé :** neuroradiologues, neurochirurgiens vasculaires, et spécialistes en neuroradiologie interventionnelle.

- 13 h 30 Introduction
Timo Krings (Toronto, ON)
- 13 h 45 **La paroi de l'anévrisme – la clé d'une classification secondaire des anévrismes?**
Timo Krings (Toronto, ON)
- 14 h 05 Discussion
- 14 h 20 **Gestion des anévrismes sans rupture – ligature, excision ou se croiser les doigts?**
Jean Raymond (Montreal, QC)
- 14 h 40 Discussion
- 14 h 55 **Suivi des anévrismes traités – comment, quand et pourquoi?**
Mayank Goyal (Calgary, AB)
- 15 h 30 Pause
- 15 h 45 **Anévrismes pédiatriques – les enfants sont-ils de petits adultes?**
Ronit Agid (Toronto, ON)
- 16 h 05 Discussion
- 16 h 20 **Techniques avancées sur le plan de la neurochirurgie et de la neuroradiologie – comment traiteriez-vous cet anévrisme?**
Robert Willinsky, Mike Tymianski (Toronto, ON)
- 16 h 40 Discussion
- 16 h 55 Évaluation

*Remarque : les cours simultanés sur les maladies
neurovasculaires seront donnés dans des locaux
adjacents, et les délégués sont invités à passer d'une
session à l'autre, selon leurs centres d'intérêt.*



**Cours simultané sur les maladies
neurovasculaires – Maladies
neurovasculaires cliniques
de 13 h 30 à 17 h Suite 306**

*Ce cours est rendu possible par une généreuse subvention éducative
sans restriction de Sanofi Aventis / BMS*

- Présidents:** Gordon Gubitz, J. Max Findlay
- Sommaire de cours :** mises à jour sur certains sujets relatifs à la chirurgie cérébrovasculaire et aux accidents vasculaires cérébraux.
- Objectifs d'apprentissage :** à la fin de cette séance, les participants sauront :
- 1) comprendre le traitement médical actuel des accidents ischémiques cérébraux, y compris les traitements antithrombotiques, les traitements antihypertenseurs et les traitements aux statines.
 - 2) actualiser leurs connaissances sur l'endartériectomie de la carotide, l'angioplastie et le port de stents, y compris les indications actuelles pour le pontage dans le cas de maladie ischémique.
 - 3) actualiser leurs connaissances sur le spasme vasculaire cérébral à la suite d'une hémorragie sous-arachnoïdienne.
 - 4) comprendre les causes moins courantes des accidents vasculaires cérébraux et leur gestion.
- Public visé :** neurologues, neurochirurgiens et leurs stagiaires.

- 13 h 30 Introduction
Gordon Gubitz (Halifax, NS)
- 13 h 35 **Revascularisation carotidienne**
Cian O'Kelly (Toronto, ON)
- 14 h 00 Discussion
- 14 h 10 **Pontage cérébral pour les conditions cérébrovasculaires ischémiques**
Mike Tymianski (Toronto, ON)
- 14 h 35 Discussion
- 14 h 45 **Traitement médical des accidents vasculaires cérébraux**
Gordon Gubitz (Halifax, NS)
- 15 h 10 Discussion
- 15 h 20 Pause
- 15 h 30 **Syndromes moins courants des accidents vasculaires cérébraux et leur traitement**
Mukul Sharma (Ottawa, ON)
- 15 h 50 Discussion
- 16 h 00 **Spasme vasculaire cérébral à la suite d'une hémorragie sous-arachnoïdienne**
Robert Loch Macdonald (Toronto, ON)
- 16 h 25 Présentations de cas
- 16 h 55 Évaluation

*Remarque : les cours simultanés sur les maladies
neurovasculaires seront donnés dans des locaux
adjacents, et les délégués sont invités à passer d'une
session à l'autre, selon leurs centres d'intérêt.*

**Cours sur la colonne vertébrale
Controverses dans le domaine de la
neurochirurgie de la colonne vertébrale
de 13 h 30 à 17 h *Suite 303***

*Ce cours est rendu possible par une généreuse subvention
éducative sans restriction de Synthes Canada*

- Président:** Eric Massicotte
- Sommaire de cours :** trois sujets spécifiques feront l'objet d'un débat afin de faciliter les discussions, à savoir : la spondylose cervicale se présentant avec une radiculopathie, la fusion comparativement à l'arthroplastie, le moment d'effectuer une décompression pour la myélopathie.
- Objectifs d'apprentissage :** à la fin de cette séance, les participants sauront :
- 1) discuter des indications pour l'arthroplastie cervicale.
 - 2) apprécier les avantages du choix du moment concernant la myélopathie cervicale.
 - 3) discuter de l'utilisation de techniques minimalement effractives pour la décompression de la colonne lombaire.
 - 4) discuter des options chirurgicales disponibles pour les patients présentant une spondylose cervicale et une spondylose lombaire.
- Public visé :** tous les professionnels de la santé spécialisés en neurosciences.

- 13 h 30 Introduction
Eric Massicotte (Toronto, ON)
- 13 h 35 **1ère présentation de cas - radiculopathie cervicale**
- 13 h 45 **1ère option de traitement - fusion cervicale**
Ramesh Sahjpal (Vancouver, BC)
- 14 h 00 **2e option de traitement - arthroplastie cervicale**
Daryl Fourney (Saskatoon, SK)
- 14 h 15 Discussion
- 14 h 40 **2e présentation de cas - myélopathie spondylotique cervicale**
- 14 h 55 **Treatment option #1 - delayed surgical decompression**
Eve Tsai (Ottawa, ON)
- 15 h 10 **Treatment option #2 - early surgical decompression**
Michael Fehlings (Toronto, ON)
- 15 h 25 Discussion
- 15 h 50 **3e présentation de cas – sténose de la colonne lombaire**
- 16 h 05 **1ère option de traitement - laminectomie ouverte**
Charles Agbi (Ottawa, ON)
- 16 h 20 **2e option de traitement - technique MASS**
Sean Christie (Halifax, NS)
- 16 h 35 Discussion
- 16 h 45 Conclusion du débat et évaluations

**Cours sur les soins de
neurologie intensifs
de 13 h 30 à 17 h 00 *Suite 304***

- Présidents:** Jeanne Teitelbaum, Draga Jichici
- Sommaire de cours :** au moyen d'historiques de cas, le participant se renseignera au sujet de la surveillance dans l'unité néonatale de soins intensifs, la gestion d'hémorragies intracérébrales, les maladies neuromusculaires dans l'unité de soins intensifs, l'état de mal épileptique et la thrombose cérébrale veineuse dans la population pédiatrique.
- Objectifs d'apprentissage :** à la fin de cette séance, les participants sauront :
- 1) comprendre les faits sur lesquels les recommandations concernant la gestion des hémorragies intracérébrales sont fondées, et savoir les appliquer à la gestion du patient individuel.
 - 2) connaître les avantages et les limitations de la surveillance électrophysiologique pour les différentes pathologies observées dans l'unité néonatale de soins intensifs
 - 3) gérer les patients atteints d'état de mal épileptique.
 - 4) découvrir, diagnostiquer et traiter les thromboses des sinus cérébrales dans la population pédiatrique.
 - 5) découvrir, diagnostiquer et traiter les complications neuromusculaires de maladies systémiques graves dans l'unité de soins intensifs.
- Public visé :** neurologues, neurochirurgiens urgentologues et spécialistes des soins intensifs, ainsi que les résidents dans ces domaines.

- 13 h 30 Introduction
Jeanne Teitelbaum (Montreal, QC)
- 13 h 45 **Hémorragie intracérébrale : les recommandations comparées aux faits**
Michael Diringier (St. Louis, MO, USA)
- 14 h 05 Discussion
- 14 h 20 **Rôle de l'EEG continu dans l'unité néonatale de soins intensifs**
Seyed Mirsattari (London, ON)
- 14 h 40 Discussion
- 14 h 55 **Complications neuromusculaires de maladies systémiques graves**
Charles Bolton (London, ON)
- 15 h 15 Discussion
- 15 h 30 Pause
- 15 h 45 **État de mal épileptique**
Cecil Hahn (Toronto, ON)
- 16 h 05 Discussion
- 16 h 20 **Thrombose des sinus veineuse cérébrale pédiatrique**
Mahendra Moharir (Toronto, ON)
- 16 h 40 Discussion
- 16 h 55 Évaluation

Cours sur l'épilepsie - Surveillance du cerveau épileptique avec l'EEG : nouvelles méthodes d'enregistrement, analyses et applications
de 13 h 30 à 17 h 00 *Salle 200 C1/C2*

Ce cours est rendu possible par une généreuse subvention éducative sans restriction de UCB Pharma

Président: François Dubeau

Sommaire de cours : ce cours est conçu pour donner des nouvelles sur les méthodes novatrices de surveillance par EEG des patients épileptiques. Ces groupes cibles comprennent des patients provenant de populations particulières, surveillés par EEG dans des environnements spéciaux.

Objectifs d'apprentissage : à la fin de cette séance, les participants sauront :

- 1) intégrer des analyses d'EEG liées sur le plan de l'espace et du temps.
- 2) reconnaître de nouvelles méthodes d'enregistrement des EEG de surface.
- 3) comprendre les principes de base et les applications de l'EEG par IRMf.
- 4) reconnaître les indications de surveillance prolongée par EEG (télémétrie) chez certaines populations épileptiques particulières : les patients autistes ou ayant une déficience intellectuelle et les patients âgés.
- 5) comprendre l'utilité de la surveillance par EEG dans l'unité de soins intensifs pour détecter l'activité épileptique chez le patient désorienté ou comateux.

Public visé : neurologues et neurochirurgiens travaillant dans la collectivité ou dans des universités, chercheurs s'intéressant à l'épilepsie et à la surveillance du cerveau, étudiants et résidents, et , professionnels paramédicaux s'intéressant à la surveillance par EEG et à l'épilepsie.

13 h 30 Introduction

François Dubeau (Montreal, QC)

13 h 35 **Une vue d'ensemble de l'analyse du signal de l'EEG : analyse de l'EEG liée sur le plan de l'espace et du temps**

Jean Gotman (Montreal, QC)

14 h 05 Discussion

14 h 15 **Technologies et ingénierie novatrices sur le plan de l'enregistrement par EEG**

John Ives (London, ON)

14 h 45 Discussion

14 h 55 **Amélioration de la résolution spatiale des EEG pour la détection des décharges et des crises : EEG/IRMf simultanés**

Paolo Federico (Calgary, AB)

15 h 25 Discussion

15 h 35 **Surveillance du cerveau épileptique de chez certaines populations particulières : patients autistes ou ayant une déficience intellectuelle, les patients âgés.**

François Dubeau (Montreal, QC)

16 h 05 Discussion

16 h 15 **Surveillance du cerveau épileptique dans un environnement spécial : détection de l'activité épileptique dans l'unité de soins intensifs**

Jeffrey Dennis Jirsch (Montreal, QC)

16 h 45 Discussion et évaluations

Cours sur l'EMG**de 13 h 30 à 17 h 00*****Delta Halifax Hotel et
Université Dalhousie
Voir ci-dessous :***

*Ce cours est rendu possible par une
généreuse subvention éducative sans
restriction de Roxon et Natus*

Présidents:

Ian Grant, Timothy Benstead

Sommaire de cours :

le but de ce cours est d'améliorer les compétences des praticiens en électromyographie. Les séances seront interactives. Les démonstrations comprendront des études de la conduction nerveuse, les représentations oscillographiques des EMG et la corrélation anatomique pour l'EMG avec fils implantés.

Remarque : ce cours comprend 2 ateliers simultanés au Delta Halifax et 2 ateliers simultanés à l'Université Dalhousie (le transport est fourni). Les participants commenceront à l'un des sites et passeront à l'autre site au milieu du cours.

Objectifs d'apprentissage : à la fin de cette séance, les participants :

- 1) seront familiarisés avec les représentations oscillographiques de l'EMG, communes ou moins communes.
- 2) seront familiarisés avec l'anatomie des muscles des membres supérieurs et inférieurs. Ils apprendront les techniques d'EMG dans ces muscles.
- 3) auront appris les méthodes et l'utilité de techniques de NCS appliquées moins souvent pour régler les problèmes liés aux neuropathies focales.

Public visé :

neurologues et physiatres communautaires et universitaires dont la pratique comprend l'EMG; résidents en neurologie et en physiothérapie.

Delta Halifax Hotel - Salle McDonald et Mayflower

13 h 30 Atelier simultané n° 1 – Reconnaissance des représentations oscillographiques de l'EMG

Devon Rubin (Jacksonville, FL, USA)

14 h 15 Atelier simultané n° 2 – Résolution de problèmes avec des études de conduction nerveuse

Chris White (Calgary, AB)

Université Dalhousie - Laboratoire d'Anatomie Gross Salle 14G

15 h 15 Atelier simultané n° 3 – Anatomie des muscles

William Baldrige (Halifax, NS)

16 h 00 Atelier simultané n° 4 – EMG avec fils implantés de muscles utiles

Ian Grant (Halifax, NS) and Colin Chalk (Montreal, QC)

Cours de neuroophtalmologie de 13 h 30 à 17 h 00 *Suite 205*

Président: William Fletcher

Sommaire de cours : ce cours comprendra 5 cours magistraux, traitant des neuropathies optiques, des troubles centraux de la fonction visuelle, de la diplopie, des troubles des pupilles, et du nystagmus et des oscillations oculaires. Une période de discussion d'une demi-heure à la fin de la séance sera complétée par une présentation de cas intéressants.

Objectifs d'apprentissage : à la fin de cette séance, les participants sauront :

- 1) évaluer et diagnostiquer la perte de la vision causée par des maladies du nerf optique.
- 2) comprendre et reconnaître les troubles centraux de la fonction visuelle.
- 3) localiser la diplopie et en déterminer les causes les plus probables chez les adultes et les enfants, en fonction des caractéristiques cliniques.
- 4) détecter et diagnostiquer l'anisocorie et le dysfonctionnement pupillaire.
- 5) reconnaître le nystagmus congénital et reconnaître des types communs de nystagmus acquis et d'oscillations saccadées, et leur importance.

Public visé : neurologues généralistes, résidents en neurologie et autres neurologues qui souhaitent augmenter leurs connaissances et leurs compétences en matière de neuroophtalmologie.

- 13 h 30 Introduction
William Fletcher (Calgary, AB)
- 13 h 35 **Diagnostic de la diplopie chez les adultes et les enfants**
Agnes Wong (Toronto, ON)
- 14 h 00 Discussion
- 14 h 05 **Nystagmus et oscillations oculaires**
William Fletcher (Calgary, AB)
- 14 h 30 Discussion
- 14 h 35 **Anisocorie et dysfonctionnement pupillaire**
Charles Maxner (Halifax, NS)
- 15 h 00 Discussion
- 15 h 05 Pause
- 15 h 20 **Neuropathies optiques – ce qu'il fait savoir**
Martin SuttonBrown (Victoria, BC)
- 15 h 45 Discussion
- 15 h 50 **Troubles centraux de la vision**
Jason Barton (Vancouver, BC)
- 16 h 20 Discussion du groupe d'experts et présentations de cas interactives
- 16 h 55 Évaluation

**Réception des promoteurs et
des exposants**

de 17 h à 18 h 30 Salle 200 DE

Veillez vous joindre à nous dans la salle des exposants pour cette présentation annuelle des entreprises soutenant notre secteur d'activité. Votre congrès n'aurait pu avoir lieu sans leur soutien, et nous demandons aux délégués de prendre le temps de leur rendre visite lors de la réception et au cours de la semaine. Ainsi, les entreprises continueront de tirer profit de leur soutien du congrès, ce qui contribue à maintenir la stabilité des frais d'inscription des délégués d'une année à l'autre.

**Symposium du secteur élaboré
conjointement sur la douleur
néuropathique**

**- Boehringer Ingelheim/Lilly
de 18 h 30 à 20 h Suites 200-204**

Cet événement est accrédité comme activité d'apprentissage collectif (Section 1) tel que définie par le programme de maintien du certificat du Collège royal des médecins et chirurgiens du Canada. Il a été élaboré conjointement par la Société canadienne de neurologie et Boehringer Ingelheim / Lilly. Ce programme a été examiné et approuvé par la Société canadienne de neurologie pour l'obtention d'un crédit de niveau 1.

**Séance plénière SCN,
ACNP et SCNC
de 8 h 00 à 9 h 30 *Salle 200 C1***

Président: Richard Desbiens

Objectifs d'apprentissage :

À la fin de cette séance plénière, les participants :

- 1) Auront acquis des connaissances relatives aux bases moléculaires et aux stratégies de traitement des dystrophies musculaires.
- 2) Auront acquis des connaissances relatives à un trouble nouvellement reconnu touchant la santé des enfants et des adolescents canadiens : la démyélinisation chez les enfants.

8 h 00 Accueil et introduction

8 h 10 **Conférence Gloor**

Base moléculaire et stratégies de traitement pour les dystrophies musculaires

Michael Sinnreich (Montreal, QC)

8 h 50 **Conférence Tibbles**

La démyélinisation chez les enfants : un trouble nouvellement reconnu touchant la santé des enfants et des adolescents canadiens.

Brenda Banwell (Toronto, ON)

**Séance plénière SCNCH
de 8 h 00 à 9 h 30 *Salle 200 C2***

*Ce cours est rendu possible par une généreuse subvention
éducative sans restriction de Elekta*

Président: J. Max Findlay

Objectifs d'apprentissage :

À la fin de cette séance plénière, les participants :

- 1) Comprendront le rôle croissant de la radiochirurgie dans la gestion des lésions du cerveau et de la colonne vertébrale.
- 2) Comprendront la gestion de la maladie de Moya-Moya.

8 h 00 Accueil et introduction

8 h 10 **Le rôle croissant de la radiochirurgie dans la gestion des lésions du cerveau et de la colonne vertébrale**

Michael West (Winnipeg, MB)

8 h 50 **Conférence Penfield**

Gestion de la maladie de Moya-Moya

Gary Steinberg (Stanford, CA, USA)



**Séances-plateformes
de 10 h à 12 h 15**

Six séances simultanées

- Séances-plateformes (neurologie générale) - voir page 47 *Suite 203*
Séances-plateformes (neurochirurgie générale et histoire) - voir page 48 *Suite 202*
Séances-plateformes (neurologie pédiatrique) - voir page 48 *Suite 200 C2*
Séances-plateformes (colonne vertébrale I) - voir page 49 *Suite 204*
Séances-plateformes (épilepsie I) - voir page 50 *Suite 205*
Séances-plateformes (accident vasculaire cérébral / cérébrovasculaire I) - voir page 50 *Suite 200 C1*

**Visite de l'exposition / Présentations
de mini-plateformes numériques
de 12 h 15 à 14 h**

*Un déjeuner-buffet sera offert dans la salle des exposants
Visite de l'exposition - Salle 200 DE
Présentations de mini-plateformes numériques - Atrium 3ème étage*

**Séances-plateformes
de 14 h à 16 h 30**

Sept séances simultanées

- Séances-plateformes (SEP /Démence) - voir page 51 *Suite 200 C2*
Séances-plateformes (troubles du mouvement / neuromusculaire) - voir page 52 *Suite 203*
Séances-plateformes (neurochirurgie générale II) - voir page 52 *Suite 202*
Séances-plateformes (colonne vertébrale II) - voir page 53 *Suite 204*
Séances-plateformes (accident vasculaire cérébral / cérébrovasculaire II) - voir page 54 *Suite 200 C1*
Séances-plateformes (neuro-oncologie) - voir page 54 *Suite 205*
Séances-plateformes (traumatismes / soins intensifs) - voir page 55 *Suite 306*

**Visite de l'exposition / Visionnement
des affiches numériques
de 16 h 30 à 17 h 30**

*N'oubliez pas d'aller dans la salle des exposants vous présenter
aux entreprises qui soutiennent notre secteur d'activité, lorsque
vous en aurez l'occasion! Leur contribution à votre congrès nous
permet de continuer à proposer le programme de qualité que
vous attendez et de maintenir la stabilité des frais d'inscription.*

*Visite de l'exposition - Salle 200 DE
Visionnement des affiches numériques - Atrium 3ème étage
Commandité par Clark's Audio Visual Services Ltd.*

**Souper de homard des Maritimes
et fête de cuisine
de 18:00-00:00 *Cunard Centre***

*Réception, souper et danse
Voir page 43*



Rapport du rédacteur en chef du Journal

de 8 h à 8 h 15 **Salle 200 C1/C2**

Le rédacteur en chef G. Bryan Young présentera son rapport annuel sur le Journal

Rapport du CBANHC

de 8 h 15 à 8 h 30 **Salle 200 C1/C2**

Le président Richard Riopelle présentera le rapport annuel du CBANHC

Conférencier émérite invité

de 8 h 30 à 9 h 30 **Salle 200 C1/C2**

08:30 Accueil et introduction **Margaret Atwood**

M. Cerveau: Comment le cerveau est devenu un caractère

*Margaret Atwood est une figure géante de la littérature moderne qui a anticipé, exploré et fait la satire des préoccupations populaires de notre époque, et qui les a même transformées. Margaret Atwood, lauréate du Booker Prize et auteure de *La Servante écarlate* et *Le Tueur aveugle*, est l'une des rares écrivaines dont l'œuvre est adorée de son public, acclamée par les critiques et étudiée dans les universités du monde entier. Bien que ses ouvrages traitent de sujets différents, la précision de son langage (elle est également une poétesse reconnue) donne à son œuvre une sensibilité qui n'appartient qu'à elle.*



*Résidant à Toronto, Margaret Atwood est l'auteure de plus de quarante ouvrages classiques, traduits en plus de trente langues. Ses romans comprennent *Captive*, *La Vie devant l'homme*, *Le Dernier homme* et *Moral Disorder* (2008). Parmi les principaux prix dont elle est lauréate, on peut citer le *Giller* et le *Prix du Gouverneur général* (Canada), le *Booker Prize* (Royaume-Uni), et le *Dashiell Hammett Award* (États-Unis); elle est également chevalier de l'Ordre des Arts et des Lettres (France). Dans son poème « *Spelling* », Margaret Atwood écrit : « A word after a word after a word is power » (Un mot suivi d'un autre puis encore d'un autre, c'est ça le pouvoir).*

**Visionnement de l'exposition
de 9 h 30 à 10 h 15 Salle 200 DE**

C'est votre dernière occasion de visiter la salle des exposants et de montrer aux entreprises qui soutiennent notre secteur d'activité que leur présence continue et leur soutien financier du Congrès ont une grande importance pour vous! Que vous ayez eu ou non l'occasion de leur rendre visite, venez dire à nos commanditaires et à nos exposants à quel point vous appréciez leur contribution à votre congrès.

**Margaret Atwood
Signera des livres
09:30-10:15 Salle 200 DE**

Mme Atwood signera des livres dans la salle d'exposition pendant la pause du matin. Vous pourrez acheter certaines de ses œuvres.

**Tables rondes
de 10 h 15 à 12 h Salle 200 C1/C2**

Ce cours est rendu possible par une généreuse subvention éducative sans restriction de Allergan Inc.

Président: Michael Hill

Présentateur de Cas SCN

TBA

Présentateur de Cas SCNCH

TBA

Présentateur de Cas ACNP

TBA

**Visite de l'exposition / Visionnement
des affiches numériques
de 12 h 00 à 13 h 30**

Un déjeuner-buffet sera offert dans la salle d'exposition

*Visite de l'exposition - Salle 200 DE
Visionnement des affiches numériques - Atrium 3ème étage*

Commandité par Clark's Audio Visual Services Ltd.



Cours sur les nerfs périphériques de 13 h 30 à 17 h 00 *Suite 304*

Président: Rajiv Midha

Sommaire de cours : au moyen d'un format didactique et interactif, ce cours renseignera les participants au sujet de la gestion contemporaine, y compris la chirurgie, des troubles chirurgicaux des nerfs périphériques. La prise de décisions cliniques, l'électro-diagnostic des lésions et de la compression chronique des nerfs, ainsi qu'une discussion axée sur les états chirurgicaux touchant les nerfs périphériques y compris la compression chronique des nerfs, les lésions du plexus brachial et les tumeurs des nerfs périphériques seront présentés. Des cas présentés à titre indicatif feront l'objet d'une discussion.

Objectifs d'apprentissage : à la fin de cette séance, les participants sauront :

- 1) reconnaître les caractéristiques électrophysiologiques des critères de diagnostic des lésions aux nerfs périphériques dans le cas de neuropathies communes liées à la compression chronique.
- 2) différencier des caractéristiques cliniques et chirurgicales types pour la compression chronique des nerfs à partir de constatations inhabituelles, afin d'éviter les complications lors de la gestion.
- 3) choisir les différentes options pour la gestion chirurgicale de patients atteints de lésions du plexus brachial.
- 4) gérer des patients atteints de lésions de la masse nerveuse périphérique.
- 5) reconnaître l'utilité et les indications des différents types d'études électrophysiologiques intraopératoires pour la gestion des troubles des nerfs périphériques.

Public visé : neurochirurgiens, résidents en neurochirurgie, neurologies et autres participants s'intéressant aux troubles des nerfs périphériques.

- 13 h 30 Introduction
13 h 45 **Électro-diagnostic des compressions chroniques des nerfs et des lésions des nerfs**
Timothy Benstead (Halifax, NS)
14 h 05 Discussion
14 h 20 **Chirurgie pour la compression chronique des nerfs : avantages et embûches**
Richard Moulton (Ottawa, ON)
14 h 40 Discussion
14 h 55 **Gestion des lésions du plexus brachial en 2009**
Rajiv Midha (Calgary, AB)
15 h 30 Pause
15 h 45 **Gestion de tumeurs des nerfs périphériques**
Line Jacques (Montreal, QC)
16 h 05 Discussion
16 h 20 **Électrophysiologie intraopératoire**
David Houlden (Toronto, ON)
16 h 40 Discussion
16 h 55 Évaluation

**Les nouveautés en matière
de neurochirurgie
de 13 h 30 à 17 h *Salle 200 C2***

- Président:** Ian Fleetwood
- Sommaire de cours :** au moyen d'une série de conférences et de discussions interactives, les nouvelles approches et les nouveaux traitements émergents en matière de neurochirurgie seront explorés.
- Objectifs d'apprentissage :** à la fin de cette séance, les participants sauront :
- 1) discuter des indications pour le traitement endovasculaire des maladies cérébrovasculaires occlusives.
 - 2) aborder les questions concernant le moment approprié pour la chirurgie dans des cas de myélopathie spondylotique cervicale.
 - 3) reconnaître les indications émergentes pour la stimulation cérébrale profonde et la neuromodulation.
 - 4) reconnaître l'utilité et les limitations de l'endoscopie.
 - 5) conceptualiser les changements fondamentaux de la pratique neurochirurgicale au cours des trois dernières décennies.
- Public visé :** neurochirurgiens qui pratiquent et stagiaires en neurochirurgie.

- 13 h 30 Introduction
- 13 h 45 **Gestion endovasculaire de la maladie cérébrovasculaire occlusive**
Joseph A. Silvaggio (Winnipeg, MB)
- 14 h 05 Discussion
- 14 h 20 **Controverses actuelles concernant la myélopathie spondylotique cervicale**
Eric Massicotte (Toronto, ON)
- 14 h 40 Discussion
- 14 h 55 **Nouvelles indications pour la stimulation cérébrale profonde et la neuromodulation**
Zelma H.T. Kiss (Calgary, AB)
- 15 h 30 Pause
- 15 h 45 **Nouveautés en matière de neuroendoscopie pédiatrique et adulte – faits ou mensonges**
Vivek Mehta (Edmonton, AB)
- 16 h 05 Discussion
- 16 h 20 **Nouveautés en matière de neurochirurgie : une rétrospective sur 35 ans**
Renn O. Holness (Halifax, NS)
- 16 h 40 Discussion
- 16 h 55 Évaluation

Cours sur l'EEG de 13 h 30 à 17 h *Suite 202*

- Président:** Seyed Mirsattari
- Sommaire de cours :** un examen détaillé des éléments fondamentaux de la technologie de l'EEG, y compris la physique de l'électricité et de l'électronique appliquée à l'EEG, les aspects techniques de l'acquisition de l'EEG, les éléments de base et les caractéristiques modernes des EEG numériques et la polarité/la localisation des potentiels des représentations oscillographiques des EEG.
- Objectifs d'apprentissage :** à la fin de cette séance, les participants :
- 1) auront appris la physique de base et la physique appliquée ayant trait à l'électroencéphalographie.
 - 2) auront appris des connaissances pratiques ayant trait à l'acquisition d'un EEG.
 - 3) connaîtront les éléments de base et les caractéristiques avancées des EEG numériques.
 - 4) se seront familiarisés avec la polarité et la localisation des potentiels des EEG.
- Public visé :** neurologues, neurochirurgiens s'intéressant à la chirurgie de l'épilepsie, neuropédiatres, résidents en neurologie, neurochirurgie ou neurologie pédiatrique, infirmières prenant soin de patients épileptiques et technologues en EEG.

- 13 h 30 Inscription
- 13 h 35 **Tout ce que vous avez besoin de savoir concernant l'électricité et l'électronique en relation avec l'EEG**
John Ives (Ottawa, ON)
- 14 h 15 Discussion
- 14 h 25 **Comment obtenir un EEG : aspects pratiques**
Susan Rahey (Halifax, NS)
- 14 h 55 Discussion
- 15 h 15 **EEG numériques : des éléments de base aux caractéristiques avancées**
Jean Gotman (Montreal, QC)
- 15 h 55 Discussion
- 16 h 05 **Polarité et localisation : principes et exemples à titre indicatif**
- 16 h 45 Discussion et évaluation

**Cours d'endoscopie – Le rôle de l'endoscopie
lors de la neurochirurgie crânienne
de 13 h 30 à 17 h *Suite 203***

Président: Mark Hamilton

Sommaire de cours : le rôle de l'endoscopie lors de la neurochirurgie crânienne sera exploré. La neuroendoscopie joue un rôle essentiel dans la gestion de bon nombre de troubles crâniens nécessitant une intervention neurochirurgicale, y compris l'hydrocéphalie, les kystes arachnoïdiens, les kystes colloïdes, les tumeurs intraventriculaires, les adénomes pituitaires et les tumeurs situées à la base antérieure du crâne. Chaque présentation comprendra des exemples interactifs de cas qui aideront les participants à intégrer le matériel pédagogique à leur pratique.

Objectifs d'apprentissage : à la fin de cette séance, les participants sauront :

- 1) comprendre le rôle de la neuroendoscopie pour la gestion de l'hydrocéphalie chez les patients pédiatriques et être en mesure de comparer les résultats et les risques du traitement par neuroendoscopie avec d'autres traitements possibles.
- 2) comprendre le rôle de la neuroendoscopie pour la gestion de l'hydrocéphalie chez les patients adultes et être en mesure de comparer les résultats et les risques du traitement par neuroendoscopie avec d'autres traitements possibles.
- 3) être en mesure de comparer les traitements disponibles pour un patient atteint d'un kyste colloïde d'une manière intégrant une compréhension des antécédents naturels de ce diagnostic.
- 4) se familiariser avec le rôle de la neuroendoscopie pour le traitement de tumeurs crâniennes intraventriculaires et de tumeurs pituitaires ou situées à la base du crâne, afin de permettre la détermination d'options appropriées pour le traitement.

Public visé : neurochirurgiens, neurologues, neuropédiatres (en pratique et résidents).

- 13 h 30 Introduction *Mark Hamilton (Calgary, Alberta)*
- 13 h 45 **Le rôle de la neuroendoscopie pour la gestion de l'hydrocéphalie chez le patient adulte**
 Patrick McDonald (Winnipeg, Manitoba)
- 14 h 05 Discussion
- 14 h 20 **Gestion endoscopique des kystes colloïdes du troisième ventricule et des tumeurs intraventriculaires**
 Mark Hamilton (Calgary, Alberta)
- 14 h 40 Discussion
- 14 h 55 **Le rôle de la neuroendoscopie pour la gestion de l'hydrocéphalie chez le patient pédiatrique**
 Jim Drake (Toronto, Ontario)
- 15 h 15 Discussion
- 15 h 30 Pause
- 15 h 45 **Résection endoscopique de tumeurs pituitaires et de tumeurs situées à la base du crâne - Partie I**
 Kesh Reddy (Hamilton, Ontario)
- 16 h 05 Discussion
- 16 h 20 **Résection endoscopique de tumeurs pituitaires et de tumeurs situées à la base du crâne – Partie II**
 Yves Starreveld (Calgary, Alberta)
- 16 h 40 Discussion et évaluation

Cours sur la démence de 13 h 30 à 17 h *Suite 204*

- Président:** Sultan Darvesh
- Sommaire de cours :** ce cours examinera les concepts actuels concernant la classification clinique des démences, ainsi que les évaluations cognitives et basées sur la neuroimagerie aidant à établir un diagnostic de démence. Ce cours examinera également la gestion de l'hydrocéphalie à pression normale ainsi que les options pharmacologiques disponibles pour le traitement de troubles neurodégénératifs, tels que la maladie d'Alzheimer.
- Objectifs d'apprentissage :** à la fin de cette séance, les participants sauront :
- 1) distinguer différents syndromes de démence.
 - 2) choisir les tests cognitifs appropriés qui aideront à établir un diagnostic de démence.
 - 3) intégrer la neuroimagerie pour l'affinage du diagnostic de démence.
 - 4) reconnaître les patients atteints de démence qui pourraient bénéficier d'une intervention neurochirurgicale.
 - 5) choisir des pharmacothérapies appropriées pour le traitement de syndromes individuels de démence.
- Public visé :** neurologues, neurochirurgiens, neuroradiologues, praticiens en médecine physique et en réadaptation, neuropathologistes et infirmières spécialisées en neurosciences.

- 13 h 30 Introduction
Sultan Darvesh (Halifax, NS)
- 13 h 45 **Une vue d'ensemble des syndromes de démence**
Kenneth Rockwood (Halifax, NS)
- 14 h 05 Discussion
- 14 h 20 **Évaluation cognitive lors du diagnostic de la démence**
Larry Leach (Toronto, ON)
- 14 h 40 Discussion
- 14 h 55 **Neuroimagerie pour l'établissement du diagnostic de démence**
Robert Vandorpe (Halifax, NS)
- 15 h 15 Discussion
- 15 h 30 Pause
- 15 h 45 **Vue d'ensemble de l'hydrocéphalie à pression normale**
Mark Hamilton (Calgary, AB)
- 16 h 05 Discussion
- 16 h 20 **Pharmacothérapie pour les syndromes de démence**
Sharon Cohen (Toronto, ON)
- 16 h 40 Discussion et évaluation

Les nouveautés en neurologie de 13 h 30 à 17 h *Suite 305*

- Président:** Roger McKelvey
- Sommaire de cours :** ce cours traitera des secteurs de la neurologie où d'importants changements concernant le traitement se produisent actuellement ou devraient se produire prochainement. Chaque conférence sera axée sur les thérapies émergentes et la justification scientifique fondamentale pour leur utilisation. Les domaines qui seront traités comprennent les maladies cérébrovasculaires, la démence, les céphalées, la douleur et les troubles du mouvement.
- Objectifs d'apprentissage :** à la fin de cette séance, les participants :
- 1) auront compris les faits sur lesquels sont fondées les recommandations courantes concernant l'utilisation de TPA, et être en mesure d'appliquer ces recommandations à la pratique clinique. Les participants se familiariseront également avec les idées actuelles concernant l'utilisation optimale d'inhibiteurs de l'agrégation plaquettaire ainsi que des thérapies pour la réduction des facteurs de risque, en particulier les traitements antihypertenseurs.
 - 2) se seront familiarisés avec les traitements émergents pour la démence et avec ceux qui devraient être disponibles d'ici un an ou deux, ainsi qu'avec la justification pour ces traitements afin d'être en mesure de les appliquer correctement lorsqu'ils deviendront disponibles.
 - 3) connaîtront les thérapies émergentes pour les céphalées, surtout les nouvelles thérapies fondées sur des percées dans notre compréhension de la pathophysiologie fondamentale de la migraine.
 - 4) seront au courant de la compréhension physiologique actuelle des mécanismes centraux de la douleur, et comprendront en quoi cela peut aider à orienter une thérapie rationnelle de la douleur, à la fois chirurgicale et médicale.
 - 5) se seront familiarisés avec les concepts actuels concernant la pathophysiologie de la maladie de Parkinson et les nouveaux traitements possibles basés sur ces concepts en pleine évolution.
- Public visé :** neurologues généralistes, résidents en neurologie, neurologues de sous-spécialisations souhaitant se tenir au courant d'autres domaines.

13 h 30 Aspects neurochirurgicaux de la gestion de la douleur

Andrew Parrent (London, ON)

13 h 55 Discussion

14 h 10 Traitements futurs de la démence

Chris MacKnight (Halifax, NS)

14 h 35 Discussion

14 h 50 Nouveautés concernant la maladie de Parkinson

Mandar Jog (London, ON)

15 h 15 Discussion

15 h 30 Nouveaux traitements des céphalées

Allan Purdy (Halifax, NS)

16 h 05 Discussion

16 h 20 Tendances actuelles en matière de gestion des accidents vasculaires cérébraux

Gordon Gubit (Halifax, NS)

16 h 45 Discussion et évaluations



**Cours sur la sclérose en plaques
de 13 h 30 à 17 h Salle 200 C1**

*Ce cours est rendu possible par une généreuse subvention
éducative sans restriction de EMD Serono*

Président: Virender Bhan

Sommaire de cours : ce cours commence par une conférence sur les complexités entourant la prestation d'un diagnostic de SP, suivie d'examens à jour sur les antécédents naturels et l'immunopathogénie de la SP. Cela ouvre la voie à une discussion des thérapies de modification de la maladie actuellement disponibles, avec un examen critique de la documentation. L'accent sera mis sur les essais publiés le plus récemment. Le cours se termine par un tour d'horizon de thérapies émergentes intéressantes qui pourraient changer la façon dont nous traitons cette maladie invalidante.

Objectifs d'apprentissage : À la fin de cette séance, les participants :

- 1) auront amélioré leurs habiletés à donner le diagnostic de sclérose en plaques.
- 2) auront actualisé leurs connaissances concernant les antécédents naturels de la SP.
- 3) connaîtront les résultats d'essais cliniques publiés, y compris des essais comparatifs récents sur des médicaments de modification de la maladie pour la SP.
- 4) auront appris l'immunopathogénie actuelle de la SP, en se concentrant sur les cibles potentielles pour de nouvelles pharmacothérapies.
- 5) connaîtront les nouvelles thérapies intéressantes pour la SP.

Public visé : neurologues généralistes, résidents, infirmières, chercheurs en SP et universitaires.

- 13 h 00 Inscription
- 13 h 35 **Donner un diagnostic de sclérose en plaques**
T. Jock Murray (Halifax, NS)
- 13 h 50 Discussion
- 14 h 00 **Nouvelles sur les antécédents naturels de la sclérose en plaques**
Virginia Devonshire (Vancouver, BC)
- 14 h 30 Discussion
- 14 h 40 **Enseignements tirés d'essais concernant les médicaments de modification de la maladie publiés sur la SP**
Francois Grand'Maison (Montreal, QC)
- 15 h 20 Discussion
- 15 h 30 Pause
- 15 h 45 **L'immunopathogénie de la SP – un tour d'horizon**
Wee Yong (Calgary, AB)
- 16 h 15 Discussion
- 16 h 25 **Thérapies émergentes pour la sclérose en plaques**
Paul O'Connor (Toronto, ON)
- 16 h 50 Discussion et évaluation



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In order for the CNSF to maintain its 'certification' from the Royal College of Physicians and Surgeons of Canada we are required to determine our members' perceived and unperceived learning needs. This Congress Evaluation is a vital component in determining your perceived learning needs and will be used to further develop and enhance all CNSF educational activities, in particular our Annual Congress.

A summary of the results will be posted on the CNSF's website, www.cnsfederation.org in October 2009. For comments on this survey, please contact the CNSF Secretariat at 403.229.9544 or email: lisa-bicek@cnsfederation.org. Deadline for completion and submission is July 6, 2009.

Thank you. Your input is vital.

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