

June 9 - 12, 2015

Toronto, Ontario



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Welcome to the CNSF 50th Congress!

June 9-12, 2015 | Royal York Hotel, Toronto, Ontario

Our Federation, assisted by the Professional Development and the Scientific Program Committees, hosts an Annual Canadian Congress geared towards the continued professional development learning needs of Neurologists, Neurosurgeons, Pediatric Neurologists, Neurophysiologists and Neuroscientists. This Congress is planned based on the Needs Assessments of past Congress delegates and our 4 Societies.

Congress Details

Meeting Site

Fairmont Royal York Hotel
100 Front St W, Toronto, ON
Toll Free: **1-888-495-2126**

Onsite Registration & Check-In Desk for Delegates and Exhibitors

Registration / Check – in desk is located in the Royal York Hotel Main Mezzanine Level.

Hours of Operation

Monday, June 8	7:00 pm – 9:00 pm
Tuesday, June 9	7:00 am – 6:00 pm
Wednesday, June 10	7:00 am – 6:00 pm
Thursday, June 11	7:00 am – 6:00 pm
Friday, June 12	7:00 am – 11:00 am

Registration Details

Full Registration Includes:

- All sessions June 9 - 12
- All official lunches and breaks
- Exhibitor's Reception
- Course Notes

One-day Registration Includes:

- Admission to all sessions the day of your registration
- Exhibitor's Reception (if you are registered to attend the Congress on Wednesday)
- Course Notes

Delegate Badge Designation

- **Blue** - CNSF Members
- **Red** - CNSF Board Members
- **Bronze** - CNSF Committee Members
- **Burgundy** - Invited Guests
- **Yellow** - Speakers
- **Black/Grey** - Exhibitor/Sponsor
- **White** - Non-Member
- **Clear** - CNSF & Intertask Staff

Future Congress Sites Canadian Neurological Sciences Federation

June 21-24, 2016 - Quebec City, Quebec

June 20 - 23, 2017 - Victoria, BC

Questions?

Canadian Neurological Sciences Federation

709 - 7015 Macleod Trail SW, Calgary, AB T2H 2K6

T: 403-229-9544 F: 403-229-1661

donna-irvin@cnsfederation.org

Intertask Conferences

275 rue Bay Street, Ottawa ON K1R 5Z5

T: 613-238-6600 F: 613-236-2727

cnsf@intertaskconferences.com

Onsite Contacts

Canadian Neurological Sciences Federation

Membership Services Desk – Main Mezzanine Level

donna-irvin@cnsfederation.org

Maintenance of Certification (MOC)

Maintenance of Certification program of The Royal College of Physicians and Surgeons of Canada, and approved by the Canadian Neurological Society and the Canadian Neurosurgical Society.

Section 1 Group Learning MOC Credit

April 6, 2015 - This activity 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 Canadian Neurological Society.

AMA PRA Category 1 Credit™

Upon the Congress being accepted for Section 1 MOC credits, and through an agreement between the Royal College of Physicians and Surgeons of Canada and the American Medical Association, physicians may convert Royal College MOC credits to AMA PRA Category 1 Credits™. Information on the process to convert Royal College MOC credit to AMA credit can be found at www.ama-assn.org/go/internationalcme.

EUMS ECMEC Credit

Upon the Congress being accepted for Section 1 MOC credits Live educational activities, occurring in Canada, recognized by the Royal College of Physicians and Surgeons of Canada as Accredited Group Learning Activities (Section 1) are deemed by the European Union of Medical Specialists (UEMS) eligible for ECMEC®.

Certificate of Attendance

Certificates of Attendance, for your completion, will be sent to Congress delegates in July 2015, upon the online Overall Congress Evaluation concluding. You will be able to calculate your MOC Hours for the courses that you attended, based on the course totals listed below. Questions? Please direct email to donna-irvin@cnsfederation.org.

Proof of Participation

Your registration receipts and your personal name tag, provided upon check in at the Congress on-site Registration Desk, will serve as your 2015 Proof of Participation.

MOC Hours

Date	Title	MOC Hours
Tuesday, June 9, 2015	Hot Topics in Neurology: Hinterlands of Consciousness	3.25
	Hot Topics in Child Neurology	3.25
	Hot Topics in Neurosurgery	3.25

	Hot Topics in Neurophysiology: Sudden Death Related to Epilepsy	3.25
	Resident Review - Neurosurgery: Functional Epilepsy	3.50
	Resident Review - Neurology : Neuro-Oncology	3.50
	Neurocritical Care	3.50
	Intraoperative Monitoring and Evoked Potential	3.50
	Epilepsy Video SIG	2.00
	Neuromuscular SIG	2.00
	Neurocritical Care SIG	2.00
	Movement Disorders SIG	2.00
	Headache SIG	2.00
	Epilepsy Surgery SIG	2.00
Wednesday, June 10, 2015	CNS – Richardson Lecture (Neurology) – Josep Dalmau	2.50
	CACN - Tibbles Lecture (Child Neurology) – Tally Lerman-Sagie	
	CSCN - Gloor Lecture (Neurophysiology) – Andrew Mammen	
	CNSS - Penfield Lecture (Neurosurgery) – Charlie Teo	
	CACN, CNSS, CNS/ CSCN Chair’s Select Abstract Presentations	1.75
	Neurovascular & Interventional Neuroradiology	3.00
	Spine	3.00
	Stroke	3.00
	Headache	3.00
	Multiple Sclerosis	3.00
	Neuromuscular	3.00
Thursday, June 11, 2015	Child Neurology (CACN) Day: AM – Neonatal Neurology	3.25
	Child Neurology (CACN) Day: PM – Critical Care Neurology	3.00
	Neurophysiology (CSCN) Day: AM – EMG Lecture	3.25
	Neurophysiology (CSCN) Day: PM – EMG Workshop	3.00

	Neurology (CNS) Day - AM - 50 Years of Neurologic Advances - Part 1	3.25
	Neurology (CNS) Day - PM - 50 Years of Neurologic Advances - Part 2	3.00
	Neurosurgery (CNSS) Day: AM – Intraventricular Tumours	3.25
	Neurosurgery (CNSS) Day: AM - Management of Pituitary Tumours	3.25
	Neurosurgery (CNSS) Day: PM - Peripheral Nerve Compression Syndromes	3.00
	Neurosurgery (CNSS) Day: PM - Evidence-Based Neurosurgery	3.00
	Co-Developed session CNS/Biogen - Individualizing Disease Modifying Therapies in RRMS	1.50
	Digital Poster Author Standby Session	1.75
Friday, June 12, 2015	Spasticity	2.50
	Neuro Ophthalmology	2.50
	EEG	2.50
	Epilepsy Through the Years: From Childhood to Adult	2.50
	CNS/ CSCN Abstract Platform Presentations	3.00
	CNSS Abstract Platform Presentations	3.00
	CACN Abstract Platform Presentations	3.00
	Grand Rounds	2.00

Society & Business Meetings

Society AGMS

CNSF Society Annual General Meetings

Canadian Neurological Society (CNS)

Tuesday, June 9, Noon - 1:30 pm

Library - Main Mezzanine

Canadian Society of Clinical Neurophysiologists (CSCN)

Thursday, June 11, 11:45 am - 1:15 pm

Confederation 5 & 6 - Main Mezzanine

Canadian Association of Child Neurology (CACN)

Thursday, June 11, 11:45 am - 1:15 pm

Tudor 7 & 8 - Main Mezzanine

Canadian Neurosurgical Society (CNSS)

Thursday, June 11, 7:00 am - 8:30 am

Confederation 5 & 6 - Main Mezzanine

Business Meetings

Date	Time	Room
Monday, June 8		
RCSPC - Neurology	1:00 pm	Algonquin Room - Main Mezzanine
CNSF Board Meeting	5:00 pm - 7:30 pm	Confederation 3 - Main Mezzanine
Tuesday, June 9		
CNSF SPC / PDC Committee Meeting	07:00 am - 08:30 am	Algonquin Room - Main Mezzanine
RCSPC - Neurosurgery	11:45 am	Algonquin Room - Main Mezzanine
Wednesday, June 10		
CAET		Algonquin Room - Main Mezzanine
CSCN EMG Section Meeting	07:00 am - 08:00 am	Alberta Room - Main Mezzanine
CNSR CPG, Advocacy & Affiliates Meeting	12:30 pm - 2:00 pm	Toronto Room - Mezzanine Level 2
Thursday, June 11		
CJNS Journal Editorial Board	07:00 am - 08:30 am	Alberta Room - Main Mezzanine
AETC		Toronto Room - Mezzanine Level 2
CAET		Algonquin Room - Main Mezzanine
CSCN EEG SEction Meeting	07:30 am - 08:30 am	Tudor 7 & 8 - Main Mezzanine
Friday, June 12		

CJNS Journal Associate Editors Meeting	07:00 am - 08:00 am	Nova Scotia Room - Main Mezzanine
CAET		Algonquin Room - Main Mezzanine
AETC		Toronto Room - Mezzanine Level 2

Speakers Information

SPEAKER INFORMATION

Speaker Ready Room: Fairmont Royal York Hotel – New Brunswick Room, main mezzanine level
[floor plan](#)

Hours of Operation

Monday, June 8	4:00 pm – 8:00 pm
Tuesday, June 9	7:00 am – 7:00 pm
Wednesday, June 10	7:00 am – 5:00 pm
Thursday, June 11	7:00 am – 5:00 pm
Friday, June 12	7:30 am – 2:00 pm

Speakers are asked to load their PowerPoint presentations at least 3 hours prior to their course.

Registering for the Congress

Each person attending the CNSF 2015 Congress must complete the registration process. This includes invited speakers, chairpersons, and all delegates.

If you have been provided with a special delegate registration code, please make sure to use this when registering.

- Registration / Check – in desk is located in the Royal York Hotel Main Mezzanine Level.

AV at the Congress

Basic AV provided at the Congress includes Laptop projector (PC), LCD projector and screen, Laser pointer, Microphone.

- If additional AV is required Chairs are to submit a request for approval before May 29, 2015.
- Speakers are requested to use the laptop projector provide by the Congress. However, if you require use of your own lap top, please email speakers@intertaskconferences.com before May 29, so procedures may be communicated in a timely manner.

Overall Congress Learning Objectives

By the end of the 2015 Congress, delegates will be able to:

- Discuss advances in the management of acute and chronic neurological and neurosurgical disorders.
- Discuss new findings in neurological and neurosurgical disorders.
- Describe advances in neurological care and/or neurosurgical techniques.
- Identify areas where there are gaps in learning (unperceived needs) not realized before attending the Congress and extend this professional learning after the Congress to the enhanced care of patients.

2015 Call for Abstracts

[call for abstracts](#) | [digital poster construction](#) | [presentation formats](#) | [society prizes](#)

Call for Abstracts Now Open

Important Dates:

Please see below for complete details and instructions

January 15, 2015

Society Prize Application
Deadline

Mid-March, 2015

Acceptance notices will be
sent

April 30, 2015

Authors accepted to present MUST register for the
Congress
The Abstract program will be finalized at this date.
Only registered Authors will be included in Abstract
Program

January 23, 2015 - Extended

Abstract Submission Deadline

Rules for Preparation of Abstracts

*All abstracts must be submitted online.
No paper submissions will be accepted.*

Abstracts

- Each abstract should consist of four separate paragraphs. These should be labeled Background, Methods, Results, and Conclusions. Each abstract should, briefly and concisely, describe the problem or issue being addressed, how the study was performed, the salient results or findings, and what the authors conclude from these results.
- Research presented in abstracts must conform to MRC guidelines for experimental procedures. All investigations involving humans and animals reported in CNSF publications must have been conducted in conformity with these principles.
- Abstracts submitted for presentation should not have been previously published in an archival scientific publication, either as an article or as an abstract, at the time of submission to the CNSF Congress.
- Abstracts are not to exceed 200 words, excluding title and authors.
- Abstract titles are restricted to 25 words.
- Conflict of Interest: The CNSF expects that authors will declare any financial interest in a company (or its competitors) that makes a product discussed in the abstract.
- **Abstracts will be graded for quality.** Primary authors are limited to 5 submissions and Contributing authors may be recognized on no more than 10 submissions.

Abstracts Submitted for Society Prizes

Individuals who submit a paper for consideration for one of the Society Awards, must also submit their abstract to the CNSF Annual Congress, on the official online abstract submission form.

[For more information.](#)

How Abstracts are Judged and Assigned

Abstracts submitted for presentation will be reviewed by the Scientific Program Committee in January and February. Notification of acceptance and schedule information will be sent in March. Abstracts will be judged according to four criteria: scientific merit, originality, interest for CNSF members and clarity of expression.

Assigning Abstracts to Sessions

The Scientific Program Committee assigns papers to sessions on substantive grounds in an attempt to make the scientific program as strong and attractive as possible.

Author Registration for the 2015 Congress

All abstract authors selected to present at the Congress, in Toronto, must register for the Congress by April 30, 2015. Authors not registered on May 1, 2015 will have their presentations pulled from all Congress publications and onsite activities.

Instructions for Online Abstract Submissions

[Download PDF](#)

Abstract Subject Categories

Please select the **ONE** research category from the following list that **BEST** matches your abstract submission based upon the disease studied; whether your abstract deals with basic biomedical sciences, surgery, neurophysiology or medical (neurology) therapy.

NOTE: Authors are asked to carefully select the category under which they submit their abstracts. Poor or inappropriate category selection may result in the rejection of the submission.

Neurosurgery

- Pediatric Neurosurgery
- Spine
- Critical Care/ Neuro Trauma
- Neuro Vascular (Adult & Pediatric)
- Neuro Interventional
- Neuro Oncology
- General Neurosurgery

Child Neurology

- Neurocritical Care/ Neuro Trauma
- Neuromuscular
- Epilepsy and EEG
- General Pediatric Neurology

Neurology

- Neurocritical Care/ Trauma
- Neuromuscular
- Epilepsy/ EEG
- Movement
- Headache
- Stroke
- General Neurology

Neurophysiology

- Sleep
- EMG
- fMRI

Multidisciplinary

Abstract Presentation Format

Presentation Preference

- Specify in the "Presentation Preference" section on the online Abstract Submission Form your preference for "Digital Poster only", "Platform only (oral presentation)" or "Either Digital Poster or Platform". Your preference will be considered, however there are a limited number of slots available for both presentation formats.
- If an author chooses "Platform only", but the paper is not accepted as a Platform presentation, that paper may be presented as a Digital Poster, if it meets the criteria for poster presentations.
- The Scientific Program Committee makes all final decisions regarding presentation format and the number of abstracts accepted from any author or group. **For 2015, Primary authors are limited to 5 submissions and Contributing authors may be recognized on no more than 10 submissions.**

NOTIFICATION AND INSTRUCTIONS WILL BE SENT TO ACCEPTED AUTHORS IN MARCH 2015.

Platform Presentations

Platform presentations are limited to 10 minutes for the presentation and five minutes for discussion.

Audio Visual for Platform Presentations

Standard Equipment:

Data projection will be provided. The standard format is 640 x 480 for MAC or PC. Please note computers will be supplied

and a Speaker Preparation Room will be available. Authors will be responsible for delivery of their presentations to the

Speaker Preparation Room 3 hours before their scheduled time.

Digital Poster Presentations

All accepted posters will receive a scheduled poster presentation time for either Thursday evening or the Friday lunch

session. Authors are given 5 - 10 minutes for review and discussion.

All on-site digital posters will be available in an online format for congress delegates.

Abstract Review Criteria *** NEW in 2015 **

NOTE: Abstracts will be accepted with a 3 rating or higher

5 – Accept

- RCT: local, national or international
- Clinical or basic science/lab or health systems research, in which a specific question has been asked, an investigation protocol has been developed, the study is powered adequately, statistical analyses are appropriate, the conclusions clearly stated, and there is potential for high impact.
- A single patient or family study that establishes the presence of a hitherto un-described disease or kindred.
- Unique historical research or educational study performed rigorously.

4 – Accept

- Retrospective patient-based study that includes robust data/observations on an adequate # patients/subjects to allow a confident conclusion.
- A single patient or family study, basic research study, or health systems study that adds new information to the field.
- Less rigorous or unique historical, educational, basic science or health systems study.

3 – Accept

- Retrospective patient-based study with just a handful of patients and that allows reasonable although essentially unsubstantiated conclusions to be drawn.
- A single patient or family study, basic research study, or health systems study that adds NO new information to the field of stroke or kindred, but is considered useful or confirmatory information to bring to attendees.

2 – Reject

- Single patient case reports usually of rare or unusual conditions that essentially add nothing to the body of knowledge and are unlikely to be of much or any interest to attendees.
- Case reports that denigrate the skills of other clinicians involved and/or that make a diagnosis entirely based on clinical opinion (“this is the diagnosis because I say it is....”).
- Basic research or health systems research which adds NO new information to the field and is unlikely to be of much or any interest to attendees.
- Minimal historic anecdotes.

1 – Reject

- Not suitable for acceptance.

Accepted abstracts will be published in the Canadian Journal of Neurological Sciences

Digital Poster Construction

A digital poster looks much like a paper poster, except that it is displayed on-site on a large format HDTV. There is an on-screen menu system, so that users can search by author, title and subject.

In order to display the posters, and provide a reliable and consistent experience for the viewer, we need a standardized file format, so we ask the presenter to build their poster on our web site, using provided poster templates.

If you are presenting a poster at the Congress, please use the online [Poster Construction Site](#). The poster submission site is OPEN now until June 4th. Details and instructions have been sent to poster presenters and are [included here as well](#).

Abstracts & Presentation Formats

Interactive Abstract Online Database

Access the [Online Database](#) to find posters and oral presentations. You can search by Author, Date, key words, etc.

Abstract Supplement - Congress 2015

All accepted abstracts are electronically published in the Canadian Journal of Neurological Sciences – Congress Abstract Supplement.

2015 CNSF Congress Supplement available [here!](#)

Digital Poster Display (Electronic)

All abstracts accepted for Poster Presentation are constructed, and displayed at the Congress, as Digital Electronic Posters.

There will be three digital poster viewing stations available for the duration of the 2015 Congress. CNSF delegates can peruse abstracts at their convenience. Electronic posters are searchable by subject, author or title.

Digital Poster - Author Stand By sessions

There will be Digital Poster – Author Stand By sessions on Thursday, June 11th, from 4:45 – 6:30 pm.

Presenting authors are given the opportunity to offer a brief oral presentation of their work. CNSF delegates are invited to dialogue with authors, and ask questions regarding their findings.

Designated times are listed within the Congress Daily Agenda.

Society Abstract Platform Presentations

These oral abstract Platform Presentations are allotted slightly more time than the Poster Author Stand By sessions. Presenting authors can discuss their papers in more detail and will have the opportunity to field questions from delegates.

* SPC Chair's Select Abstract Presentations

These oral presentations are selected by the Scientific Program Committee Chair and Vice-Chair. They have received the highest review grades and represent the best of the abstracts received for the 2015 Congress.

2015 Society Prize Winners

Congratulations to the following CNSF members that have been awarded 2015 Society Prizes.

Be sure to attend their Platform presentations at the SPC Chair's Select sessions on Wednesday morning at the Congress.

Canadian Neurological Society

Andre Barbeau Memorial Prize

Recipient: Julio Furlan

Abstract # B.01 - 10:45 am at CNS/CSCN SPC Chairs Select Abstract Session

"Age as a key determinant of inflammatory response, glial and axonal survival after traumatic spinal cord injury"

Francis McNaughton Memorial Prize

Recipient: Julio Furlan

Abstract # B.02 - 11:00 am at CNS/CSCN SPC Chairs Select Abstract Session

"Blood Hemoglobin Concentration as a Potential Predictor of Outcomes after Acute Ischemic Stroke"

Canadian Association of Child Neurology

2015 President's Prize

Recipient: Frederick A. Zeiler

Abstract # A.01 – 10:45 am at CACN SPC Chairs Select Abstract Session
"Lidocaine for Status Epilepticus in Pediatrics"

Canadian Neurosurgical Society

2015 K.G. McKenzie Memorial Prize Basic Neuroscience Research (2 first place prizes awarded)

Recipient: Teresa Purzner

Abstract # C.01 – 10:45 am at CNSS SPC Chairs Select Abstract Session
"Developmental Phospho-proteomics reveals Casein Kinase 2 as a therapeutic target in medulloblastoma"

Recipient: Ryan Alkins

Abstract # C.02 – 11:00 am at CNSS SPC Chairs Select Abstract Session
"Early treatment of HER2-amplified brain tumors with target NK-92 cells and focused ultrasound improves survival in a rodent brain tumour model"

2015 K.G. McKenzie Memorial Prize Clinical Research

Recipient: Daipayan Guha

Abstract # C.03 – 11:15 am at CNSS SPC Chairs Select Abstract Session
"Timing of resumption of antithrombotic agents following evacuation of chronic subdural hematomas: a retrospective cohort study"

2015 Society Prizes

Rules Governing all Society Prizes

1. Contestants must be a member of one of the four Societies of the CNSF (a Junior member or an Active member within two years of receiving their certificate), but they do not have to belong to the Society whose prize they are applying for, with the exception of the Canadian Neurosurgical Society (CNSS).
2. All Society Prize submissions must be received by January 15, 2015. This deadline is firm.
3. The same person may submit papers on different topics for the same prize.
4. The same paper may not be submitted to more than one Society.
5. Papers must be submitted in PDF format only and be no larger than 8MB in size.
6. Papers submitted for Society Prizes should not have been previously published in an archival scientific publication, either as an article or as an abstract, at the time of submission to the CNSF Congress.
7. Contestants must also submit their abstract to the CNSF Annual Congress, on the official abstract submission site. Congress Abstract Submission process is independent from the Society Prize Submission process. If the abstract is also accepted for presentation at the Congress, the winner is automatically awarded an oral platform. *All submitters must be prepared to Register and Attend the Congress at the appropriate registration rates.*

Technical Specifications

- Prize submissions accepted by email ONLY.
- Must be submitted as a PDF.
- Maximum file size is 8MB.
- CNSF will send a receipt of confirmation within 5 business days.
- If you do not receive a receipt of confirmation after 6 business days please contact the CNSF at marika-fitzgerald@cnsfederation.org.

The prize winners' names will be announced in the Neuro|News newsletter, in the Canadian Journal of Neurological Sciences and on the CNSF website.

The Canadian Neurological Society

- - The Francis McNaughton Memorial Prize
 - The André Barbeau Memorial Prize

The Canadian Neurosurgical Society

- - The K.G. McKenzie Memorial Prize for Basic Neuroscience Research Prize
 - The K.G. McKenzie Memorial Prize for Clinical Neuroscience Research Prize

The Canadian Society of Clinical Neurophysiologists

- - The Herbert Jasper Prize

The Canadian Association of Child Neurology

- - The President's Prize

More Information

Society Prize Application Deadline: January 15, 2015

[Call for Abstracts online](#)

CNS Society Prizes

The Francis McNaughton Memorial Prize and the André Barbeau Memorial Prize

The Canadian Neurological Society invites submissions for its two prizes: the Francis McNaughton Memorial Prize for clinical research and the André Barbeau Memorial Prize for basic research. The rules governing these prizes are listed below.

- The Francis McNaughton and André Barbeau Memorial Prizes, designed to encourage neurology trainees to undertake research projects, are awarded for the best submitted papers based on work done during neurology residency or in post-residency training. The contestants need not be the sole authors, but should have been primarily responsible for the work being presented.
- In order to be eligible for this prize, contestants need to be a member of one of the four Societies of the CNSF (a Junior member or an Active member within two years of receiving their certificate).
- The winning papers in each category will be presented as a platform presentation at the CNSF Annual Congress.
- Each prize will consist of a certificate as well as:
 - \$1,000 cash
 - Full registration to the Congress
 - Travel to the Congress (Economy Fare)
 - 3 nights accommodation
- The President of the Canadian Neurological Society, and two other Society members chosen by the President, will serve as the Prize Review Committee. If the committee finds none of the submissions acceptable, no awards will be presented.
- Full papers prepared in a standard format such as that prescribed by the Canadian Journal of Neurological Sciences, and including an abstract of no more than 200 words, are to be submitted in a PDF file c/o of the Secretariat office.
- All Society Prize submissions must be received by January 15, 2015. This deadline is firm.
- Contestants must also submit their abstract to the CNSF Annual Congress, on the official online abstract submission site.
- Authors must include a signed statement indicating the paper has not been presented at any other meeting or previously published (presentation at residents/fellows research symposium excluded).

Applicants for the prizes should send their submissions to:

Canadian Neurological Society
c/o marika-fitzgerald@cnsfederation.org

More Information

Society Prize Application Deadline: January 15, 2015

[Call for Abstracts online](#)

[Submit Abstracts Online](#)

CACN Society Prizes

The President's Prize

The President's Prize is awarded annually for the best paper in pediatric neuroscience by a resident or fellow.

- The prize consists of a certificate as well as:
 - \$1,000 cash
 - Full registration to the Congress
 - Travel to the Congress (Economy Fare)
 - 3 nights accommodation
- In order to be eligible for this prize, contestants must be a member of one of the four Societies of the CNSF (a Junior member or an Active member within two years of receiving their certificate).
- Full papers, prepared in the standard format of the Canadian Journal of Neurological Sciences, with an abstract of 200 words or less, should be submitted electronically in a PDF file.
- All Society Prize submissions must be received by January 15, 2015. This deadline is firm.
- Contestants must also submit an abstract to the CNSF Annual Congress, on the official online abstract submission form.

Applicants for the prize should send their submissions to:

Canadian Association of Child Neurology
c/o marika-fitzgerald@cnsfederation.org

More Information

Society Prize Application Deadline: January 15, 2015

[Call for Abstracts online](#)

[Submit Abstracts Online](#)

CNSS Society Prizes

in co-operation with The Royal College of Physicians and Surgeons of Canada

The K.G. McKenzie Memorial Prizes

The K.G. McKenzie Prize for Basic Neuroscience Research

The K.G. McKenzie Prize for Clinical Neuroscience Research

There will be one citation and prize in each of the Basic Neuroscience and Clinical Neuroscience categories for the best manuscripts submitted to the McKenzie Award Committee of the Canadian Neurosurgical Society, by a neurosurgical resident, in which he or she is the principal author. The winning papers in each category will be presented as a platform presentation at the CNSF Annual Congress.

- In order to be eligible for this prize, contestants must be a junior member of the CNSF. A letter from the chair of the program indicating the work was done by a neurosurgical resident and was principally the work of that resident is required. A small biography should accompany this letter to indicate where the candidate is in his/her neurosurgical training, if he/she is in a diploma program, and other work he/she has done.
- Each prize will consist of a certificate as well as:
 - \$1,000 cash

- Full registration to the Congress
- Travel to the Congress (Economy Fare)
- 3 nights accommodation
- A second place award of \$500 for each prize may be awarded as well.
- Please state what category of award, either clinical or basic, is being sought. Resubmission by a previous prize winner is not encouraged.
- Contestants must submit a structured abstract, expanded up to, but not exceeding 3 pages, which is to include any figures, tables, and necessary references. Submissions longer than 3 pages of single spaced typing WILL NOT be considered. The format followed should consist of Background, Materials and Methods, Results, and Conclusions. The authors should bear in mind, in the background section, that not all judges will be experts in the subject of the research paper. Submissions should be sent as three separate PDF files:
 - 1-Letter from Program Chair
 - 2-Candidate's Biography
 - 3-Structured Abstract
- Contestants must also submit an abstract of no more than 200 words, to the CNSF Annual Congress, on the official online abstract submission site.
- All Society Prize submissions must be received by January 15, 2015. This deadline is firm.

Applicants for the prize should send their submissions to:

Canadian Neurosurgical Society
c/o marika-fitzgerald@cnsfederation.org

More Information

Society Prize Application Deadline: January 15, 2015

[Call for Abstracts online](#)

[Submit Abstracts Online](#)

CSCN Society Prizes

The Herbert Jasper Prize

The Herbert Jasper Prize is awarded annually for the best submitted paper in clinical or basic neurophysiology by a resident or fellow in training.

- The prize consists of a certificate as well as:
 - \$1,000 cash
 - Full registration to the Congress
 - Travel to the Congress (Economy Fare)
 - 3 nights accommodation
- In order to be eligible for this prize, contestants need to be a member of one of the four Societies of the CNSF (a Junior member or an Active member within two years of receiving their certificate).
- Full papers prepared in the standard format of the Canadian Journal of Neurological Sciences should be submitted electronically in a PDF file with an abstract of 200 words or less, and consist of a report of the research project findings and relevant related material.
- Authors must include a signed statement indicating that the paper has not been presented at any other meeting or previously published (presentation at residents/fellows research symposium excluded).
- All Society Prize submissions must be received by January 15, 2015. This deadline is firm.
- Contestants must also submit an abstract to the CNSF Annual Congress, on the official online abstract submission form.
- The CSCN is also offering a single \$500 award for the best EEG abstract submitted to the Congress, and a single \$500 award for the best EMG abstract submitted to the Congress.

Applicants for the prize should send their submissions to:

Canadian Society of Clinical Neurophysiologists
c/o marika-fitzgerald@cnsfederation.org

More Information

Society Prize Application Deadline: January 15, 2015

Call for Abstracts online

Submit Abstracts Online

2015 Program-at-a-Glance

as of March 20, 2015

Tuesday, June 9 th , 2015	Wednesday, June 10 th , 2015	Thursday, June 11 th , 2015	Friday, June 12 th , 2015
<p>8:30 AM to 11:45 AM Courses</p> <ul style="list-style-type: none"> Hot Topics in Neurology: Hinterlands of Consciousness Hot Topics in Child Neurology Hot Topics in Neurosurgery Hot Topics in Neurophysiology: Sudden Death Related to Epilepsy <p>12:00 PM – 1:30 PM Lunch Break</p> <p>1:45 PM to 5:15 PM Resident Review Courses</p> <ul style="list-style-type: none"> Neurosurgery: Functional Epilepsy Neurology : Neuro-Oncology <p>Courses</p> <ul style="list-style-type: none"> Neurocritical Care Intraoperative Monitoring and Evoked Potential <p>6:00 PM to 8:00 PM Special Interest Group (SIGS)</p> <ul style="list-style-type: none"> Epilepsy Video Session Neuromuscular Neurocritical Care Movement Disorders Headache Epilepsy surgery 	<p>8:00 AM to 10:30 AM Grand Plenary</p> <ul style="list-style-type: none"> CNS - Richardson Lecture Josep Dalmau, Autoimmune Encephalitis CSCN - Gloor Lecture Andrew Mammen, Autoimmune Muscle Disease CACN - Tibbles Lecture Tally Lerman-Sagie, Fetal Brain Malformations CNSS - Penfield Lecture Charlie Teo, Neuro-Oncology <p>10:45 AM to 12:30 PM SPC Chair's Select s</p> <p>CACN, CNSS, CNS/ CSCN Selected as part of Abstract Review Process</p> <p>12:30 PM to 2:00 PM Lunch Break</p> <p>2:15 PM to 5:15 PM Multi-disciplinary Courses</p> <ul style="list-style-type: none"> Neurovascular & Interventional Neuroradiology Spine Stroke Headache Multiple Sclerosis Neuromuscular 	<p>8:30 AM to 4:30 PM Child Neurology (CACN) Day</p> <ul style="list-style-type: none"> AM - Neonatal Neurology PM - Critical Care Neurology <p>Neurophysiology (CSCN) Day</p> <ul style="list-style-type: none"> AM - EMG Lecture PM - EMG Workshop <p>Neurology (CNS) Day</p> <ul style="list-style-type: none"> AM & PM - 50 Years of Neurologic advances <p>Neurosurgery (CNSS) Day</p> <ul style="list-style-type: none"> AM - Intraventricular Tumors AM - Management of Pituitary Tumours PM - Peripheral Nerve Compression Syndromes PM - Evidence-Based Neurosurgery <p>11:45 AM to 1:15 PM Co-developed session</p> <ul style="list-style-type: none"> Biogen/CNS - Individualizing Disease Modifying Therapies in RRMS <p>Lunch in the Exhibit Hall</p> <p>4:45 PM to 6:30 PM Digital Poster Author Standby Sessions</p>	<p>8:00 AM to 10:30 AM Multi-Disciplinary Courses</p> <ul style="list-style-type: none"> Spasticity Neuro Ophthalmology EEG Co-Morbid Epilepsy: From Child to Adult <p>8:00 AM to 11:00 AM Abstract Platform Presentations</p> <ul style="list-style-type: none"> CNS/ CSCN CNSS CACN <p>11:00 AM to 1:00 PM 50th Congress Anniversary Brunch in Exhibit Hall</p> <p>1:00 PM to 3:00 PM Grand Rounds</p>

Course Details

TUESDAY, JUNE 9

08:30-11:45
COURSES

Hot Topics in Neurology: Hinterlands of Consciousness

Bryan Young

Description

The course will address three vital, current topics in clinical neurology. Michael Hill will review recent developments in endovascular stroke treatment. Jorge Burneo will discuss the roles of the newest anti epileptic drugs. Bryan Young will address the controversy of cooling after cardiac arrest.

By the end of this course participants will be able to:

Michael Hill's presentation:

- The implications for acute stroke imaging strategies
- The implications for in-hospital system and pre-hospital triage of stroke patients
- The role of the stroke team, from stroke onset to reperfusion.

Jorge Burneo's Presentation:

- Be familiar with clinical information about the new antiepileptic drugs (AEDs)
- Understand the pharmacology and drug-to-drug interactions of the new AEDs
- Be aware of the tolerability of adverse effects of the new AEDs
- Recognize opportunities in the clinical practice to use one or more of the new AEDs

Bryan Young's Presentation:

- Be familiar with the evidence for neuroprotection by cooling
- Be aware of the implications of the original HACA and Barnard Trials and the recent Targeted Temperature Management Trial
- Have the opportunity to weigh the evidence and arrive at an approach.
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Audience: Neurologist – Adult, Neurosurgeon, Neuro Physiologist, Resident, Fellow, Nurses with interest in topic

Learning Level: Basic, Intermediate, Advanced

Learning Format: Lecture/plenary method, Question and answer sessions,

CanMED Roles: Medical Expert, Scholar, Communicator, Collaborator, Manager, Health Advocate, Professional

Agenda

08:30	Endovascular Stroke Treatment: Implications of recent trials	Michael Hill
09:30	More guns in our arsenal of antiepileptic drugs, do we need them?	Jorge Burneo
10:45	Should we continue to cool patients after cardiac arrest?	Bryan Young

08:30-11:45

Hot Topics in Child Neurology

Asif Doja

Course Description:

The intent of this course is to provide health care practitioners with an update on the latest information concerning various aspects of pediatric neurology. Specifically this course will focus on current literature in child neurology as well as recent advances in the diagnosis and treatment of intellectual disability, pediatric neuromuscular disease, and pediatric concussion.

By the end of this course participants will be able to:

1. Discuss recent advances in the field of pediatric neurology.
2. Discuss the genetic diagnosis and treatment of intellectual disability.
3. Discuss new advances in pediatric neuromuscular disease.
4. Discuss relevant issues associated with the diagnosis and management of pediatric concussion.

Audience

Neurologist – Adult | Child Neurologist | Neurosurgeon | Neuro Physiologist | Resident | Fellow | Nurses with interest in topic

Learning Level:

Intermediate (Practicing Physician)

Advanced (SIG, Higher Level Discussion)

Learning Format

Case studies, Discussion group, Lecture/plenary method, Question and answer sessions, Seminar, Small group discussion,

CanMED Roles: Medical Expert, Scholar, Health Advocate

8:30-8:35	Introduction	Dr. Doja	
8:35-9:05	Update on Pediatric Concussion		Dr. Barlow
9:05-9:20	Discussion	Dr. Barlow	
9:20-9:50	Hot papers in Child Neurology	Dr. Doja	
9:50-10:00	Discussion	Dr. Doja	
10:00-10:15	Break		
10:15-10:45	Hot topics in Pediatric Neuromuscular Disease	Dr. Dowling	
10:45-11:00	Discussion	Dr. Dowling	
11:00-11:30	Intellectual Disability: Update on Genetic Diagnosis & Treatment		Dr. van Karnebeek
11:30-11:40	Discussion	Dr. van Karnebeek	
11:40-11:45	Evaluation & Wrap Up	Dr. Doja	

08:30-11:45

Hot Topics in Neurosurgery

Ian Fleetwood

Description:

The "Hot Topics" courses are new to the Congress in 2015. Each year we will endeavor to present topics that are relevant to contemporary neurosurgery in Canada. This course is intended for practicing neurosurgeons and neurosurgical trainees. This year we will learn about two emerging therapeutic technologies in Neuro-oncology as well as essential techniques for the modern Spine surgeon. We will

also review the issues surrounding Physician Employment in Neurosurgery. The sessions will be interactive with plenty of time for discussion.

By the end of this course participants will be able to:

- Understand the principles of and potential neurosurgical applications of Focused Ultrasound (TGM).
- Describe the applications of interstitial laser ablation (BDT).
- Obtain knowledge of classification, indications and clinical approach to surgical decision making in the management of adult spinal deformity (DTW).
- Describe factors affecting physician employment in Neurosurgery (IGF).

Audience: Neurosurgeon, Resident, Fellow, Neuro Physiologist

Learning Level: Basic, Intermediate, Advanced

Learning Format: Case studies, Lecture/plenary method, Question and answer sessions

CanMED Roles: Medical Expert, Scholar, Communicator, Collaborator, Manager, Health Advocate, Professional

Time	Description	Name of Presenter
08:30-09:15	Neurosurgical Applications of MRI Guided FUS	Todd Mainprize
09:15-10:00	Neurosurgical Applications of Interstitial Laser Ablation	Brian Toyota
10:15-11:00	Operative Management of Adult Spinal Deformity	Dan Warren
11:00-11:35	Physician Employment in Neurosurgery	Ian Fleetwood

08:30-11:45

Hot Topics in Neurophysiology:

Sudden Death Related to Epilepsy

Elizabeth Donner and Jose Tellez-Zenteno

Course Description:

Each year 1 person of 1000 with epilepsy die of sudden unexpected death in epilepsy. It is imperative that health care providers working with people with epilepsy be informed regarding who is at risk and how to reduce that risk. This course will bring attendees up to date on the epidemiology of SUDEP, the role of devices in SUDEP prevention, how to talk about SUDEP with patients and families and advances in SUDEP research.

By the end of this course participants will be able to:

- Describe the increased risk of mortality in people with epilepsy.
- Review advances in SUDEP research.
- Evaluate the role of devices in SUDEP prevention.
- Counsel people with epilepsy and caregivers about SUDEP.

Audience: Neurologist – Adult, Child Neurologist, Neurosurgeon, Neuro Physiologist, Resident, Fellow, Nurses with interest in epilepsy

Learning Level: Basic, Intermediate, Advanced

Learning Format: Forum/panels, Lecture/plenary method, Question and answer sessions,

CanMED Roles: Medical Expert, Scholar, Communicator, Health Advocate, Professional

Agenda:

Time	Description	Name of Presenter
8:30-8:35	Introduction	
8:35 to 9:15 AM	The epidemiology of SUDEP	Jose Tellez-Zenteno
9:15 to 10:00	Role of devices in SUDEP prevention	Daniel Friedman
10:00-10:15	Break	
10:15-10:55	Using animal models to understand SUDEP	Peter Carlen
10:55-11:25	Talking about SUDEP	Elizabeth Donner
11:25-11:45	Panel Discussion	

12:00-13:30

Lunch Break

13:45-17:15

RESIDENT REVIEW

Neurosurgery: Functional Epilepsy and Penfield Case Presentation

Tejas Sankar, Michael Tso

- Two 25 minute didactic sessions with 1 or 2 short intraoperative videos
- Resident volunteers to answer the oral exam cases will ideally include residents R3 and higher; they will be notified in advance prior to the conference
- Interactive cases are 15 minutes each (so 2 cases per topic) – includes 10 minutes for the resident to go over the case; 5 minutes for direct feedback and some ppt slides to go over one ‘ideal’ answer +/- audience discussion

Course Description: The “Neurosurgery Resident Review Course – Functional Neurosurgery” is an interactive review course aimed at providing an overview of the diagnosis and management of movement disorders and facial pain commonly seen in neurosurgical practice. The course will be in an integrated didactic and case-based format. During the course, several mid- to senior-level neurosurgery residents will have the opportunity to participate in mock oral exam questions.

Course objectives - by the end of this course, participants will be able to:

- Understand the neurosurgical principles of diagnosis and management of movement disorders and facial pain;

- Develop an approach to responding to oral exam questions; and
- Develop tools and ways of working with colleagues, staff and patients and their families as related to CanMEDS roles.

Audience: Neurosurgeon | Resident

Learning Level: Introductory

Learning Style: Didactic Lectures | Case studies | Question and Answer Sessions

CanMEDS Roles:

Medical Expert | Communicator | Collaborator | Manager | Health Advocate | Scholar | Professional

Agenda:

13:45 Welcome and Introduction Tejas Sankar / Michael Tso

13:50 Movement Disorders Overview Tejas Sankar

14:15 Movement Disorders – 2 Cases Tejas Sankar

14:45 Facial Pain Overview Andrew Parrent

15:10 Facial Pain – 2 Cases Andrew Parrent

15:45 Concluding Remarks Tejas Sankar / Michael Tso

Penfield Lecture Case Presentation (16:00-17:15)

Tejas Sankar / Charles Teo

The format will be similar to the interactive cases in the resident review course with 10 minutes to go over the case, and 5 minutes for discussion. The question style will be dictated by Charlie Teo, in a format similar to the Australian neurosurgery oral exam. We hope to go over at least 4 cases (with 4 different resident volunteers).

13:45-17:15

RESIDENT REVIEW

Neurology: Neuro-Oncology

Janka Hegedus, Serena Orr, James Perry, Catherine Maurice

Description:

This Neuro-Oncology course is designed to familiarize Neurology residents with relevant topics integrating Neurology and Oncology, including: pediatric brain tumours, the role of biomarkers, paraneoplastic disorders, seizure management in patients with brain tumours and the neurological complications of cancer therapy. The presentations will be focusing on the role of the Neurologist and subjects related to both adult and pediatric Neurology will be discussed. Most importantly, the goal of this course is to provide a comprehensive overview of Neuro-Oncology and develop resident interest in this field.

By the end of this course participants will be able to:

- Identify the most common paraneoplastic syndromes.
- Discuss the management of seizures in patients affected by brain tumours.

- Differentiate the complications of chemotherapy and radiotherapy on the central and peripheral nervous system.
- Differentiate the most common pediatric brain tumours.
- Discuss the role of biomarkers in the primary brain tumours.

Audience: Adult/Child Neurology residents Learning level: Basic and Intermediate Learning format: Case studies, Questions and Answers sessions

Can MED Roles: Medical expert, Scholar, Communicator, Manager, Health Advocate and Professional (All the roles are represented during the course).

time	subject	speaker	
1:30-2:00	Pediatric Brain Tumours	Dr. Eric Bouffet	
2:00-2:30	Neuropathology/Biomarkers	Dr. Kenneth Aldape	
2:30-3:00	Paraneoplastic Disorders	Dr. Josep Dalmau	
3:00-3:30	Seizure Management in Patients with Brain Tumours	Dr. Jun Uhm	
3:45-4:15	Neurological Complications of Therapy	Dr. Catherine Maurice	
4:15-5:00	Case Discussions		

COURSES

13:45-17:15

Neurocritical Care

Draga Jichici

Course Description:

This course is aimed at residents and practicing physicians carrying for neurologically injured patients
The course will cover timely topics in Neurocritical Care through case studies, lecture and audience participation.

By the end of this course participants will be able to:

- the current guidelines and controversies in temperature modulation following cardiac arrest and traumatic brain injury
- will understand the rationale and conditions that would require continuous EEG monitoring,
- will learn the new concepts in the treatment of the subarachnoid hemorrhage

Audience: Neurologist – Adult, Child Neurologist, Neurosurgeon, Neuro Physiologist, Resident, Fellow, Nurses with interest in topic

Learning Level: Basic, Intermediate, Advanced

Learning Format: This course has a didactic component with Audience participation and Discussion

CanMED Roles: Medical Expert, Scholar, Communicator, Collaborator, Manager, Health Advocate, Professional

Time	Description	Name of Presenter
1:45	Introduction	Draga Jichici
1:50	Management of Subarachnoid Hemorrhage	Loch Macdonald
2:30	Discussion	
2:45	Continuous EEG Monitoring in Neuro ICU	Gord Boyd
3:30	Discussion	
3:45	Temperature Modulation Post Cardiac Arrest Controversies	Draga Jichici
4:30	Discussions and Closing remarks	

13:45-17:15

Intraoperative Monitoring (IOM) & Evoked Potential (EP)

Mano Javidan, Cecil Hahn

This course is designed to benefit neurologists, clinical neurophysiologists, neurology and clinical neurophysiology trainees and others interested in clinical neurophysiology.

The learning objectives include: Introduction to neurophysiologic intraoperative monitoring. Appreciate value of NIOM in various surgical procedures; the rationale and methods for rapid detection of intraoperative neurological compromise identifying neurological structures; recognizing limitations of monitoring; the role of motor evoked potential in posterior fossa/base skull surgery and its special considerations. Some research and ethical aspects of NIOM will also be discussed.

Program

13:30 Chair's introduction

13:35 Neurophysiologic Intraoperative Monitoring: What, When, Why and by Whom Dr. Aatif Husain

14:15 Evoked potentials & Cranial Nerves Dr. Jonathan Norton

15:00 Break

15:15 Intraoperative neurophysiological monitoring (IONM) as "Smoke detector" and "microscope"
Dr. David Houlden

16:00 Intraoperative neurophysiological monitoring - surgeon's perspective Dr. Ryojo Akagami

16:40 Panel discussion; Questions and answers

17:00 End

Audience:

Neurologist – Adult | Child Neurologist | Neurosurgeon | Neuro Physiologist | Resident | Fellow | Nurses with interest in topic | Other (please specify)

Learning Level:

Intermediate, Advanced

Learning Format:

Discussion group/ peer exchange/ user groups, Forum/panels, Question and answer sessions,

CanMED Roles:

Medical Expert | Collaborator | Health Advocate | Professional

SPECIAL INTEREST GROUPS (SIGs)

18:00-20:00

Epilepsy Video Session SIG

Seyed Mirsattari

This is an interactive Video-EEG session where 2 pediatric and 2 adult cases will be presented. The audience is expected to engage in the analysis of the case and semiology of the events after the initial clinical description of each case and before any laboratory results are revealed. The audience will discuss the best laboratory investigations and anticipated results before such data are provided.

By the end of this course participants will be able to:

- Identify semiology of some epileptic seizures
- Make a correlation between clinical features and anatomical localization of epileptic seizures
- Identify interictal and ictal EEG patterns in the presented cases
- Make an appropriate differential diagnosis for each case
- Provide a treatment plan

Audience: Neurologist – Adult, Child Neurologist, Neurosurgeon, Neuro Physiologist, Resident, Fellow, Nurses with interest in topic, neuropsychologists, and EEG technologists.

Learning Level: Basic, Intermediate, Advanced

Learning Format: Case studies, Demonstration, Discussion group/ peer exchange

CanMED Roles: Medical Expert, Scholar, Communicator, Collaborator, Manager, Health Advocate, Professional

Pediatric Case I Tina Go

Pediatric Case II Emilie Riou

Adult Case I Martin Veilleux

Adult Case II Seyed Mirsattari

18:00-20:00

Neuromuscular SIG

Kristine Chapman

Description:

The Canadian Neuromuscular Group (CNMG) SIG consists of a brief case presentations for a lively and informal discussion. In addition to interesting/complex clinical cases (whether the diagnosis is known or remains uncertain but input from other colleagues is desired), short academic/research presentations on topics of widespread interest (research proposals, clinical trials etc.) are welcomed. Presentations by trainees at all levels are strongly encouraged. For clinical cases the format is generally a 5-minute presentation followed by a discussion amongst the audience, and then if appropriate a brief (1 or 2 slides) didactic presentation (total 15 minutes per case). Individuals with all levels of training are welcome to attend and participate.

By the end of this course participants will be able to:

- Connect with colleagues from across the country with a shared interest in neuromuscular disease.
- Be familiar with recent advances in the diagnosis and management of neuromuscular diseases
- When given clinical information about patients with potential neuromuscular disorders, be able to accurately localize the process to cord, root, peripheral nerve, neuromuscular junction or muscle
- Identify diagnostic tests that will aid in the investigation of patients presenting with specific clinical syndromes suggesting a neuromuscular origin
- When presented with results of electrophysiological testing, be able to critique results in light of the clinical presentation and identify technical pitfalls as well as appropriate interpretation.
- When given results of diagnostic investigations including electrophysiological studies, discuss the differential diagnosis

Audience: Neurologist – Adult | Child Neurologist | Resident | Fellow | Nurses with interest in topic

Learning Level: Advanced

Learning Format: Case studies, Discussion

CanMED Roles: Medical Expert, Scholar, Communicator, Collaborator

Agenda

Time	Description	Name of Presenter
6:00	Welcome and Introduction	Kristine Chapman
6:05	Case Presentations	
7:55	Evaluation & Wrap up	Kristine Chapman

18:00-20:00

Neurocritical Care SIG

Jeanne Teitelbaum

During the Special Interest Group course on Neurocritical Care, we will present case histories followed by small lectures on various subjects of interest in neurocritical Care. These subjects include: new information in the therapy of Subarachnoid hemorrhage, new information and a new algorithm for refractory status epilepticus, approaches to delirium in the Neurocritical care Unit, and new ways of monitoring patients with critical neurological illness. Sessions are meant to be interactive.

Learning objectives:

- The role of tpa in hydrocephalus following subarachnoid haemorrhage
- The effectiveness of fringe therapies in refractory status epilepticus, and their place in an overall therapeutic algorithm.
- The indications for invasive monitoring in the critically ill neurological patient.

Audience;

Neurologist – Adult | Child Neurologist | Neurosurgeon | Neuro Physiologist | Resident | Fellow | Nurses with interest in topic

Learning level:

Intermediate to Advanced

CanMeds

Medical Expert | Scholar | Communicator | Professional

18:00	Refractory Status Epilepticus: Fringe Therapy	Fred Zeiler
18:30	Delirium in the Neurocritical Care Unit	J Gordon Boyd
19:00	SAH- case, controversies and what' new	Nathan Deis
19:30	Monitoring in the NICU	François Bernard

18:00-20:00

Movement Disorders SIG

Mandar Jog

Video intensive course reviewing a variety of common and uncommon movement disorders. Participation will be encouraged to discuss phenomenology, diagnosis, and treatment options.

By the end of this course participants will be able to:

- Appreciate different types of movement disorders such as tremor, chorea, tics, and myoclonus;
- Understand how to evaluate these disorders; and
- Be able to discuss treatment options for hypokinetic, and hyperkinetic disorders.

Audience: Neurologist – Adult and Child Neurologists – Resident – Fellow - Nurses with interest in topic

Learning Level: Basic, Intermediate

Learning Format: Case studies with videos, Demonstration, Discussion, Question and answer sessions

CanMED Roles: Medical Expert, Scholar, Communicator, Collaborator, Manager, Health Advocate, Professional

18:00-20:00

Headache SIG

What Would You Do Now?

Jonathan Gladstone and Rose Giammarco

Using a case-based approach, a panel of experts will discuss important and challenging headache topics and review their methods of management. There will be two cases presented. The first case will highlight the challenges in the management of the patient with Medication Overuse Headache (MOH).

There are a variety of different approaches to MOH and these will be reviewed and discussed by Drs Christine Lay and Paul Cooper. Idiopathic Intracranial Hypertension will be the second case and an evidence-based and experienced-based approach will be highlighted by Drs Elizabeth Leroux and Suzanne Christie. Differences and controversies will be discussed citing the recent literature. These sessions are meant to be interactive with a high degree of audience participation.

By the end of this course the participants will be able to:

- Appropriately utilize ICHD-3 criteria to diagnose medication overuse headache and idiopathic intracranial hypertension;
- Demonstrate familiarity with treatment options for medication overuse headache; and
- Demonstrate familiarity with the investigations required for diagnosis, and the treatment approach for idiopathic intracranial hypertension.

Panelists: Christine Lay, Paul Cooper, Elizabeth Leroux, Suzanne Christie

18:00-20:00

Epilepsy Surgery SIG: Who Benefits and How to Investigate

David Steven

Course Description:

This course will focus on failed epilepsy surgery. Speakers will be presenting their own cases where epilepsy surgery was not successful in achieving a seizure free outcome. This course is meant to be highly interactive with discussion between participants and speakers encouraged.

By the end of this course participants will be able to:

1. Understand the standard work-up (Phase I and II) for epilepsy surgery.
2. Discuss the mechanism of epilepsy surgery failure
3. Understand the principles of reinvestigation after failed epilepsy surgery

Audience: Neurologist – Adult, Child Neurologist, Neurosurgeon, Neuro Physiologist, Resident, Fellow, Nurses with interest in topic

Learning Level: Basic, Intermediate, Advanced

Learning Format: Case studies, Demonstration, Discussion group/ peer exchange/ user groups

CanMED Roles: Medical Expert, Scholar, Communicator, Collaborator, Manager, Health Advocate, Professional

Speakers: Walter Hader, Jim Rutka, Andy Parrent, Jeff Hall

Course Details

WEDNESDAY, JUNE 10

08:00-10:30
Grand Plenary

CNS - Richardson Lecture
Autoimmune Encephalitis
Josep Dalmau

Many forms of encephalitis, seizures, or psychiatric disorders previously thought to be idiopathic are now recognized as immune mediated. The antigens are cell surface or synaptic receptors with critical roles in synaptic transmission and plasticity. Currently, 12 target autoantigens have been identified and the associated disorders often affect children and young adults, may occur with or without tumor association, and importantly, respond to immunotherapy.

For example, anti-NMDA receptor encephalitis results in a characteristic syndrome that is now widely recognized in children and young adults, with a frequency of tumor association -usually a teratoma- that varies according to age, gender, and ethnicity. Studies have shown that the antibodies of some disorders (e.g, anti-NMDA receptor) alter the structure or function of the target receptor *in vitro* and *in vivo*. This and the fact that the clinical features resemble pharmacologic or genetic models in which the corresponding target receptors are disrupted, indicate a pathogenic effect of the antibodies.

In addition to providing an update on novel syndromes and synaptic autoantigens, the current presentation will show the effects of several synaptic receptor antibodies on the corresponding target antigens, and a model of passive transfer of memory and behavioral deficits using patients' NMDAR antibodies.

08:00-10:30
CSCN - Gloor Lecture
Autoimmune Muscle Disease
Andrew Mammen

08:00-10:30
CACN - Tibbles Lecture
Tally Lerman-Sagie

The Diagnosis of Malformations of Cortical Development in Utero
Lecture outline:

- Normal development of the fetal cortex-US and MRI
- Imaging signs of abnormal development-US and MRI

- Disorders of proliferation-
- Microcephaly with simplified gyral pattern
- Hemimegalencephaly
- Disorders of neuronal migration
- Lissencephaly
- Cobblestone malformation
- Periventricular Heterotopia
- Post migrational disorders
- Polymicrogyria
- Schizencephaly
-

08:00-10:30

CNSS - Penfield Lecture

Harvey Cushing was Wrong; The Brainstem Should not be Considered Taboo

Charlie Teo

10:45-12:30

CHAIR'S SELECT ABSTRACTS

10:45-12:30	CACN	Juliette Hukin
10:45-12:30	CNSS	Steve Lownie
10:45-12:30	CNS/ CSCN	Colin Chalk

12:30-14:00

LUNCH BREAK

14:15-17:15

COURSES

Neurovascular and Interventional Neuroradiology

Mike Kelly

Course Description:

The intent of this course is to provide an update in new advances and techniques for the surgical and endovascular management of both ischemic and hemorrhagic stroke. Specifically, the session will examine the use of mobile stroke units, new endovascular techniques for ischemic stroke, new advances in the management of intracerebral hemorrhage and cell therapies for cerebral aneurysms. The first hour will be combined with the stroke session.

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

- Understand the application of a mobile stroke unit
- Understand the new imaging and endovascular therapies for ischemic stroke
- Understand the recent advances and studies in intracerebral hemorrhage management
- Understand the application of cell therapies for the endovascular management of brain aneurysms

Audience: Neurologist – Adult, Neurosurgeon, Neuro Physiologist, Resident, Fellow, Nurses with interest in topic

Learning Level: Intermediate, Advanced

Learning Format: Case studies, Lecture/plenary method, Question and answer sessions,

CanMED Roles: Medical Expert, Scholar, Professional

Agenda

2:00 – 3:00 Combined session – Michael Hill

3:00-3:05 Break and move rooms

3:05 to 3:35 Shazam Hussain – The Cleveland Clinic Mobile Stroke Unit and discussion

3:35-4:05 - Victor Pereira – Endovascular Management of Acute Stroke and discussion

4:05- 4:35 Cian O’Kelly – Update on Intracerebral Hemorrhage Management and discussion

4:35 – 5:00 - Alim Mitha – Cell Therapy for Brain Aneurysms and discussion

14:15-17:15

Spine Course

Sean Christie

Description:

Cervical Radiculopathy is a common clinical condition prompting referrals to neurosurgical care. For those patients that require surgical intervention, anterior cervical discectomy and fusion (ACDF) has proven to be a very effective treatment. However, more recently arthroplasty has been gaining favour as an alternative to fusion in select patient populations. This course will review the rationale for selecting a motion preserving procedure instead of fusion. The advantages and controversies of both approaches will be introduced in a debate format. A discussion of the economic implications of these devices will round out the session.

By the end of this course participants will be able to:

- Relate the rationale for the development of cervical disc arthroplasty devices
- Critically appraise the literature for and against arthroplasty and arthrodesis
- Recommend arthroplasty or arthrodesis to appropriate patient groups

Audience: Neurosurgeon, Resident, Fellow, Nurses with interest in topic

Learning Level: Basic, Intermediate, Advanced

Learning Format: Case studies, Discussion group/ peer exchange/ user groups, Lecture/plenary method, Question and answer sessions, Small group discussion

CanMED Roles: Medical Expert, Scholar, Communicator, Manager

Agenda

Time	Description	Name of Presenter
2:00-2:05	Introduction	Sean Christie
2:05-2:35	Rationale/Device Development and Patient Selection	Neil Duggal
2:35-2:45	Discussion/Questions	Group
2:45-3:15	Economics of Arthroplasty	Sean Christie
3:15-3:30	Discussion/Questions	Group
3:45-3:50	Case Presentation	Sean Christie

3:50-4:15	Argument for Fusion	Nick Dea
4:15-4:40	Argument for Arthroplasty	W. Brad Jacobs
4:40-5:00	Discussion/Question/Wrap Up	Group

14:15-17:15

Stroke Course

Martin del Campo

2:15 – 3:00 **Michael Hill**. The new landscape in acute stroke management: A definite role for endovascular treatment.

3:00 – 3:30 **Jennifer Mandzia**. Is there a role for anticoagulants in acute stroke management.

3:30 – 4:00 **Michelle Shozberg**. The New Oral Anticoagulants and their use. Antidotes in the pipeline?

4:00 – 4:30 **Frank Silver**. Cervical arterial dissections and their management.

5:30 – 5:00 **Gord Gubitz**. Current approach to the investigation of stroke in the young.

14:15-17:15

Headache Course

Suzanne Christie

This headache course will provide a review of the state of the art in Headache Medicine. The program will begin with a review of what is new in headache. The program will then focus on what's new and interesting in alternative and complementary strategies in headache as well as an evidence based discussion on the role of nerve blocks to treat headache. The program will conclude with an interactive panel discussion as well as audience Q&A highlighting clinical pearls in the management of challenging headache cases.

By the end of this course participants will be able to:

- Recognize the role for peripheral nerve blocks in the treatment of headache
- Identify complementary and alternative strategies in the treatment of headache
- Appreciate what's new in the clinical and basic science in the field of Headache Medicine
- Develop an improved approach to the management of challenging headache medicine clinical scenarios

Audience: Neurologist – Adult, Child Neurologist, Neurosurgeon, Resident, Fellow, Nurses with interest in topic

Learning Level: Intermediate, Advanced

Learning Format: Case studies, Forum/panels, Lecture/plenary method, Question and answer sessions,

CanMED Roles: Medical Expert, Scholar, Communicator, Professional

Agenda

Time	Description	Name of Presenter
2:00 pm - 2:05 pm	Welcome and Introduction	Dr. Suzanne Christie
2:05 pm - 2:35 pm	What's New in Headache Medicine?	Dr. Werner Becker
2:35 pm - 3:00 pm	Alternative and Complementary Strategies in Headache	Dr. Rose Giammarco
3:00 pm - 3:30 pm	Should we Perform Peripheral Nerve Blocks to Treat Headaches?	Dr. Elizabeth Leroux
3:45 pm - 4:30 pm	"What Would You Do?" Clinical Pearls in Headache Medicine	Dr. Suzanne Christie Moderator; Panel – Dr. Werner Becker, Dr. Rose Giammarco, Dr. Elizabeth Leroux, Dr. Gord Mackie
4:30 pm - 5:00 pm	Audience Question & Answer	Dr. Suzanne Christie

14:15-17:15

Multiple Sclerosis Course

Jodie Burton, Penny Smyth

Our understanding, diagnosis and treatment of Multiple Sclerosis (MS) has been rapidly evolving and changing in recent years. From the advanced dependence on and information yielded from improving MRI techniques and studies to learning about MS by studying its youngest sufferers, we are better able diagnose and treat patients. As well, our understanding of how MS is impacted by other various comorbid illnesses these patients may experience allows us to provide better care. And once diagnosed, patients now have the benefit of a new and extensive variety of treatment options, ranging from first-line to extreme therapy for the most aggressive disease cases. The following session will speak to these timely issues in MS in the hopes of assisting those who care for such patients.

Following the session, participants should:

- Be more familiar with current MS diagnostic criteria and how to apply them with special emphasis on the MRI.
- Understand how MS impacts children, and how it is diagnosed and treated, as well as what we can learn about the disease from our youngest patients.
- Understand MS in the context of medical comorbidities and how they impact one another.
- Learn about the most recent additions to the MS treatment arsenal, the associated pearls and pitfalls, and determining how and when to use these agents.

14:00	Introduction	Jodie Burton and Penny Smyth
14:05	MRI in the Diagnosis and Monitoring of MS	Jiwon Oh
14:35	Q&A	Q&A
14:45	Pediatric MS – Diagnosis and Management	Ann Yeh
15:15	Q&A	Q&A
15:25	Break	Break
15:35	MS and the Impact of Comorbid Conditions	Ruth Ann Marrie
16:05	Q&A	Q&A
16:15	Emerging Therapies in Multiple Sclerosis	Morris Freedman
16:45	Q&A	Q&A
16:55	Wrap Up and Evaluation	Jodie Burton and Penny Smyth

14:15-17:15

Neuromuscular Course

Mike Nicolle, Michelle Mezei

By the end of this course participants will be able to:

- Identify disorders that can be misdiagnosed as autoimmune muscle disease
- Discuss the diagnosis and clinical patterns inherent to MuSK MG and be able to explain how the pathophysiology predicts some of the treatment responses that have been observed in the disease.
- Describe the typical pattern of treatment response in these patients and be able to formulate a management plan for MuSK MG, especially if first-line approaches fail.
- Review the diagnostic methods and clinical approach in dysautonomia
- List 3 new findings from the Neuromuscular literature that might impact your practice

Audience: Neurologist – Adult, Child Neurologist, Neuro Physiologist, Resident, Fellow, Nurses with interest in topic, Medical Students

Learning Level: Basic, Intermediate, Advanced

Learning Format: Forum/panels, Lecture/plenary method, Question and answer sessions

CanMED Roles: Medical Expert, Scholar, Communicator, Collaborator, Manager, Health Advocate, Professional

Agenda:

Time	Description	Name of Presenter
	Myositis Mimics	Dr. Andy Mammen
	MuSK MG: UnMuSKing a new phenotype	Dr. Gil Wolfe
	Approach to the diagnosis of autonomic disorders	Dr. Kurt Kimpinski
	Update in Neuromuscular Diseases	Dr. Sam Chhibber

Course Details

THURSDAY, JUNE 11

8:30-11:45

SOCIETY DAYS – MORNING SESSIONS

8:30-11:45

Child Neurology (CACN) Day

Neonatal Neurology

Aleksandra Mineyko and Steven Miller

Course Description:

The intent of this course is to provide participants with insights into neurological problems encountered in fetal/prenatal neurological diagnoses and into postnatal life. The focus will be on current literature, recent advances, and knowledge in areas of ethical considerations in fetal medicine, the pathophysiology of brain maturation in congenital heart disease, as well as clinical applications.

By the end of this course participants will be able to:

- Discuss relevant ethical issues encountered in fetal medicine.
- Discuss the contribution of fetal hemodynamics and its effect on brain development.
- Understand the spectrum of brain abnormalities in neonates with congenital heart disease.

Audience:

Child Neurologist | Resident | Fellow | Nurses with interest in topic

Learning Level:

Intermediate (Practicing Physician)

Learning Format:

Case studies, Lecture/plenary method,

CanMED Roles:

Medical Expert | Collaborator | Manager | Health Advocate | Professional

8:30 am – 8:35 am	Introductions – Neonatal Neurology	
8:30 – 9:15	Ethical issues in fetal counseling	Dr. Tally Lerman-Sagie
9:15 – 10:00	Fetal hemodynamics in CHD and brain dysmaturation	Dr. Mike Seed
10:00 am – 10:30 am	Coffee Break	
10:30 – 11:15	Brain injury in newborns with congenital heart disease	Dr. Steven Miller
11:15 – 11:45	Resident Case	TBA
11:45 am – 1:15 pm	Lunch	

8:30-11:45

Neurophysiology (CSCN) Day

EMG Lecture

Zaeem A. Siddiqi, Hans Katzberg

This is a practical course for clinicians, which aims to provide an approach to neurophysiological testing and hands-on demonstration of these techniques. The morning session will take the participants systematically through the peripheral neuroaxis in sessions led by national experts on neurophysiological testing in the disorders of muscle, neuromuscular junction, peripheral nerve and motor neuron. The afternoon session will be comprised of four hands on interactive workshops led by a neurophysiologist and technologist with patient volunteers demonstrating nerve conduction and electromyography techniques across the spectrum of neuromuscular disorders covered in the morning session. Please note that delegates must be committed to attending this all-day session.

By the end of this course participants will be able to:

- Develop an approach to neurophysiological testing in patients with suspected muscle, peripheral nerve, neuromuscular junction and motor neuron disease.
- Apply learned neurophysiological concepts to clinical scenarios through neuromuscular cases presented during the didactic sessions.
- Learn basic, comprehensive neurophysiological methods including nerve conduction studies, repetitive nerve stimulation, late responses, needle EMG using a hands-on patient interaction

Audience: Adult and Child Neurologist, Fellows, Residents with interest in electromyography

Learning Level: Basic, Intermediate

Learning Format: Case studies, Lecture/plenary method, Small Workshops / hands-on demonstrations

CanMED Roles: Medical Expert, Scholar

8:30 am - 8:40 am: Introductions (Drs. Siddiqi & Katzberg)
 8:40 am - 9:20 am: Dr. Sam Chibber (myopathy)
 9:20 am - 10:00 am: Dr. Hans Katzberg (NMJ)
 10:00 am - 10:30 am: Coffee Break
 10:30 am - 11:10 am: Dr. Kurt Kimpinski (peripheral nerve)
 11:10 am - 11:50 am: Dr. Wendy Johnston (motor neuron)
 11.50 pm to 12.00 pm: Wrap up

08:30-11:45

Neurology (CNS) Day

50 Years of Neurological Advances: the Neurosciences Revolution Part I
 Jock Murray

Course Description:

Leaders in the field will review the advances in consciousness and coma, stroke, Parkinson's disease, dementias, multiple sclerosis and headache over the last half century. They will indicate the latest advances and then indicate future directions in research

By the end of this course participants will be able to:

1. Discuss major canoes in neurology over the last half century
2. Discuss the important areas of research in coma, headache, multiple sclerosis and other disorders
3. Discuss the new directions in research for common neurological conditions.

Audience: Neurologist – Adult | Child Neurologist | Neurosurgeon | Neuro Physiologist | Resident | Fellow | Nurses with interest in topic | Public

Learning Level: Basic (Resident, New Information)

Learning Format: Lecture/plenary method, Question and answer sessions

CanMED Roles: Medical Expert | Scholar | Collaborator | Professional

08:30 Neurology in 1965 Jock Murray

08:40 Consciousness Bryan Young

09:20	Stroke	Tony Hakim
10:30	Multiple Sclerosis	Amit Bar-Or
11:10	Imaging	Tony Traboulsee

08:30-11:45

Neurosurgery (CNSS) Day

Intraventricular Tumors

James Rutka

Jim Rutka	Anatomy
Kesh Reddy	Tubular Retractor Surgery
Mark Hamilton	Endoscopic Approaches
James Drake	Open Approaches

Intraventricular tumours remain an interesting and challenging group of neoplasms in both paediatric and adult neurosurgery. In this course, the classification and presentation of intraventricular tumours will be reviewed, along with the relevant neurosurgical approaches to diagnosing and removing these tumours. Emphasis will be placed on the neuroanatomy of intraventricular lesions and the selection of the best approach. Presentations will be enhanced through the use of video sequences which capture the essential steps in treating patients with these tumours.

Objectives:

By the end of this course, participants will be able to:

- 1) Discuss the main symptoms and signs that patients with interventricular tumours demonstrate.
- 2) Differentiate between tumours that arise in the lateral, third and fourth ventricles.
- 3) Identify the key neurosurgical approaches to tumours in the interventricular system.
- 4) Demonstrate an enhanced knowledge of additional treatment strategies that may be required for patients following neurosurgical resection of their interventricular tumours.

Audience: Neurosurgeon, Neuro Physiologist, Resident, Fellow

Learning Level: Basic, Intermediate, Advanced

Learning Format: Case studies, Demonstration, Discussion group/ peer exchange/ user groups, Lecture/plenary method, Question and answer sessions, Small group discussion

CanMED Roles: Medical Expert, Scholar, Communicator, Collaborator, Manager, Professional

08:30-11:45

Neurosurgery (CNSS) Day

Management of Pituitary Tumors

Ryojo Akagami

Course Description:

Management, Operative Nuances and Complications – in the era of the endoscope

By the end of this course participants will be able to:

- Identify advantages of using the endoscope for pituitary tumors
- Compare a contemporary series of functioning tumors
- Plan a management strategy for recurrent tumors
- Manage/avoid vascular complications

Audience: Neurosurgeon | Resident | Fellow | Nurses with interest in topic

Learning Level: Basic (Resident, New Information) | Intermediate (Practicing Physician)

Learning Format: Case studies, Discussion group/ peer exchange/ user groups, Lecture/plenary method, Question and answer sessions

08:30 Introductions

08:35 Endonasal Approach to Tumors of the Pituitary Fossa: A Shift in the Treatment Paradigm
Charles Teo

09:15 Cushing's Disease: Management and Outcome Salvatore DiMiao

10:00-10:30 Coffee Break

10:30 Management of Pituitary Tumor Recurrences Gelareh Zadeh

11:10 Vascular Complications Ryojo Akagami

11:40 Evaluations and Write-Up

11:45-13:15

**CO-DEVELOPED SESSION
Biogen, CNS**

**Multiple Sclerosis
Individualizing Disease Modifying Therapies in RRMS**

Chair: Dr. Virender Bhan

Course Description:

Disease-modifying therapies have been available in Canada for the management of relapsing-remitting multiple sclerosis since 1995. Over time, the treatment landscape has expanded from the original interferons and glatiramer acetate to include monoclonal antibodies and, most recently, oral agents. With more available options, each with its own proven safety and efficacy profile, the neurologist's role in selecting an appropriate therapy is more complex. Factors to be considered when making a treatment choice range from a comparison of the individual agents' profile, to an assessment of the individual patient's disease activity. This co-developed symposium will employ a case-based approach to help making treatment choices according to disease activity, within the current era of DMTs.

Learning Objectives

At the conclusion of this program, participants should be able to:

1. Evaluate currently available disease-modifying therapies (DMTs) for relapsing-remitting multiple sclerosis (RRMS).

2. Select an appropriate DMT to treat RRMS according to the individual patient's disease activity.
3. Discuss the contemporary landscape of DMT utilization and its potential implications for clinical practice.

Target Audience: Neurologist – Adult | Resident | Fellow | Other - Neuroradiologist

Learning Level:

Intermediate (Practicing Physician)

Learning Format:

Audience response systems (touch pads), Case studies, Forum/panels, Lecture/plenary method, Question and answer sessions

CanMED Roles: Medical Expert | Communicator | Collaborator | Health Advocate | Scholar

11:45 a.m. - 12:00 p.m. *15 minutes*- Lunch

12:00 – 12:15 p.m. *15 minutes including audience interaction*
 Case presentations – Part 1 Dr. Virender Bhan, Chair
 One patient/3 scenarios of disease progression and treatment decisions)
 - use of interactive keypads for audience treatment choices (pre presentation)

12:15 – 12:45 p.m. *30 minute presentation*
 Current Era of DMT Options in RRMS Dr. Paul O'Connor
 Science and clinical practice implications in the current era of treatment options.

12:45 – 1:00 p.m. *15 minutes including audience interaction*
 Case presentation – Part 2 Dr. Bhan
 - use of interactive keypads for audience treatment choices (post presentation)

1:00 – 1:10 p.m. *10 minutes discussion/expert panel with Dr. Bhan*
Dr. O'Connor & Dr. Bhan

1:10 – 1:15 p.m. *5 minutes*
 Audience Q&A / Evaluation Completion

11:45-13:15
Lunch Exhibit Hall

13:30-16:30

SOCIETY DAYS – AFTERNOON SESSIONS

Child Neurology (CACN) Day

Critical Care Neurology

Craig Campbell and Cecil Hahn

Course Description:

The Child Neurology afternoon session will focus on issues of pediatric critical care neurology. During this half day session central and peripheral nervous system dysfunction, diagnostics and management for disorders occurring in the context of severe neurologic and systemic illness will be covered. The expert

speakers will provide topical lectures including basic research and important clinical implications, leaving time for questions and discussion. In addition a critical care case will be presented.

By the end of this course participants will be able to:

1. To discuss the logistics of implementing a critical care EEG monitoring program.
2. To review causes/mechanisms of inflammation-induced blood brain barrier disruption in critical illness.
3. To know how to recognize and manage critical illness polyneuropathy and myopathy in the pediatric ICU

Audience: Neurologist – Adult, Child Neurologist, Neurosurgeon, Resident, Fellow, Nurses with interest in topic, Masters or PhD level learners

Learning Level: Basic, Intermediate, Advanced

Learning Format: Lecture/plenary method, Question and answer sessions, Case presentations

CanMED Roles: Medical Expert, Scholar, Collaborator, Professional

1:30 pm – 1:35 pm	Introductions – Critical Care	Cecil Hahn and Craig Campbell
1:35-2:20	Inflammation-Induced Blood Brain Barrier Disruption in Critical Illness	Doug Fraser
2:20- 3:00	Implementing a Critical Care EEG Monitoring Program	Cecil Hahn
3:00 pm – 3:15 pm	Coffee Break	
3:15-4:00	Critical Illness Polyneuropathy and Myopathy	Charles Bolton
4:00-4:25	Clinical Case Presentation	
4:25 pm – 4:30 pm	Evaluation & Wrap Up	Craig Campbell

13:30-16:30

Neurophysiology (CSCN) Day

EMG Workshop

Zaeem A Siddiqi, Hans Katzberg

This is a practical course for clinicians, which aims to provide an approach to neurophysiological testing and hands-on demonstration of these techniques. The morning session will take the participants systematically through the peripheral neuroaxis in sessions led by national experts on neurophysiological testing in the disorders of muscle, neuromuscular junction, peripheral nerve and motor neuron. The afternoon session will be comprised of four hands on interactive workshops led by a neurophysiologist and technologist with patient volunteers demonstrating nerve conduction and electromyography techniques across the spectrum of neuromuscular disorders covered in the morning session. Please note that delegates must be committed to attending this all-day session.

By the end of this course participants will be able to:

- Develop an approach to neurophysiological testing in patients with suspected muscle, peripheral nerve, neuromuscular junction and motor neuron disease.
- Apply learned neurophysiological concepts to clinical scenarios through neuromuscular cases presented during the didactic sessions.

- Learn basic, comprehensive neurophysiological methods including nerve conduction studies, repetitive nerve stimulation, late responses, needle EMG using a hands-on patient interaction

Audience: Adult and Child Neurologist, Fellows, Residents with interest in electromyography

Learning Level: Basic, Intermediate

Learning Format: Case studies, Lecture/plenary method, Small Workshops / hands-on demonstrations

CanMED Roles: Medical Expert, Scholar

Delegates will divide into 4 groups with a maximum up 15 people per group.

Each station: 2 minutes intro | 2 minutes conclusion | 40 min training

- | | |
|-------------------------|---|
| 1. Dr. Hans Katzberg | Approach to common focal & diffuse neuropathies |
| 2. Dr. Zaeem Siddiqi | RNS and Late responses |
| 3. Dr. Kristine Chapman | Approach to needle EMG for neuromuscular conditions |
| 4. Dr. Ari Breiner | Less commonly studied nerves on NCS |

	OSCE 1	OSCE 2	OSCE 3	OSCE 4
Time Slots	Approach to neuropathies	RNS & Late Responses	Needle EMG	Less commonly studied nerves
1:30-1:40 pm	<i>Workshop Begins. Delegates assigned to 4 groups</i>			
1:40-2:20 pm	Group 1	Group 2	Group 3	Group 4
2:25-3:05 pm	Group 4	Group 1	Group 2	Group 3
3:05-3:15 pm	Break			
3:15-3:55 pm	Group 3	Group 4	Group 1	Group 2
4:00-4:40 pm	Group 2	Group 3	Group 4	Group 1
4:40-5:00 pm	<i>Evaluation & Wrap Up</i>			

13:30-16:30

Neurology (CNS) Day

50 Years of Neurological Advances: the Neurosciences Revolution Part II

Jock Murray

Course Description:

Leaders in the field will review the advances in consciousness and coma, stroke, Parkinson's disease, dementias, multiple sclerosis and headache over the last half century. They will indicate the latest advances and then indicate future directions in research

By the end of this course participants will be able to:

1. Discuss major canoes in neurology over the last half century
2. Discuss the important areas of research in coma, headache, multiple sclerosis and other disorders
3. Discuss the new directions in research for common neurological conditions.

Audience:

Neurologist – Adult | Child Neurologist | Neurosurgeon | Neuro Physiologist | Resident | Fellow | Nurses with interest in topic | Public

Learning Level:

Basic (Resident, New Information)

Learning Format:

Lecture/plenary method, Question and answer sessions

CanMED Roles: Medical Expert | Scholar | Collaborator | Professional

13:30	Parkinson's Disease	Jon Stoessl
14:10	Dementias	Morris Freedman
15:30	Headache	Allan Purdy
16:15	Conclusions & Summary	Jock Murray

13:30-16:30

Neurosurgery (CNSS) Day

Peripheral Nerve Compression Syndromes

Rajiv Midha

Course Description:

The course format will be a case-based approach to present and discuss the topic of peripheral nerve compression syndromes, including common and unusual entrapment neuropathies. The focus will be on management considerations, including surgical indications in addition to consideration of common complications and recurrence. Each of the 3 speakers will present 4-6 cases to cover the gamut of clinical conditions under each sub-topic, and fashion discussion around each case. There will be ample opportunity for questions and answers in this highly interactive format.

By the end of this course participants will be able to:

- Diagnose various nerve compression syndromes
- Manage common entrapment neuropathies
- List indications and contraindications for surgery of entrapment neuropathies
- Be aware of complications of surgery for nerve decompressions
- Develop an approach to managing patients with possible recurrent nerve compression syndromes

Audience: Neurologist – Adult | Neurosurgeon | Neuro Physiologist | Resident | Medical students

Learning Level: Basic (Resident, New Information) | Intermediate (Practicing Physician)

Learning Format: Case studies, Demonstration, Discussion group/ Forum/panels, Lecture/plenary method, Question and answer sessions

13:30	Introductions	
13:35	Carpal tunnel syndrome	Helene Khoung
14:15	Ulnar neuropathy	Marie-Noelle Hebert-Blouin

15:15	Unusual Entrapment Neuropathies	Rajiv Midha
16:00	Discussion - All panel members and audience	
16:25	Evaluations and Write-Up	

13:30-16:30

Evidence-Based Neurosurgery

Joseph Megyesi

The overall objective of this course is to demonstrate how the neurosurgical literature can influence clinical practice. Neurosurgical papers from various sub-specialties will be reviewed and discussed. One goal is to show how the paper or papers made a meaningful change in the presenting neurosurgeon's clinical practice. Another goal is to show other papers though published and made widely known did not actually lead to a significant or meaningful change in the presenting neurosurgeon's clinical practice.

By the end of this course participants will be able to:

1. Understand better how vascular neurosurgery is (and is not) influenced by the neurosurgical literature.
2. Understand better how spinal neurosurgery is (and is not) influenced by the neurosurgical literature.
3. Understand better how pediatric neurosurgery is (and is not) influenced by the neurosurgical literature.
4. Understand better how tumour neurosurgery is (and is not) influenced by the neurosurgical literature.

Audience: Neurosurgeon (adult and pediatric) | Resident | Fellow | Nurses with interest in topic | Neurologist

Learning Level: Basic (Resident, New Information) | Intermediate (Practicing Physician) | Advanced (SIG, Higher Level Discussion)

Learning Format: Case studies, Lecture/plenary method, Question and answer sessions, Seminar

CanMED Roles: Medical Expert | Scholar | Collaborator

Time	Description	Name of Presenter
1:30 pm – 1:35 pm	Introductions	Dr. Joseph Megyesi (London)
1:35 pm – 2:15 pm	Vascular Neurosurgery – How the literature has changed (and not changed) my practice	Dr. Gary Redekop (Vancouver)
2:15 pm – 2:55 pm	Spinal Neurosurgery – How the literature has changed (and not changed) my practice	Dr. Steven Casha (Calgary)
2:55 pm – 3:15 pm	Coffee Break	
3:15 pm – 3:50 pm	Pediatric Neurosurgery – How the literature has changed (and not changed) my practice	Dr. Abhaya Kulkarni (Toronto)
3:50 pm – 4:25 pm	Tumour Neurosurgery – How the literature has changed (and not changed) my practice	Dr. Joseph Megyesi (London)
4:25 pm – 4:30 pm	Evaluations and Write-Up	

16:45-18:30
Digital Poster Author Standby

8 Digital Poster Stations

Course Details

FRIDAY, JUNE 12

COURSES

08:00-10:30

Spasticity

Paul Steinbok

Case presentations and discussion

Learning objectives:

1. Participants will be familiar with the medical and surgical management options for children with spastic cerebral palsy. Canmeds: Medical expert, collaborator, communicator.
2. Participants will understand how to choose patients with spastic cerebral palsy for the various management options. Canmeds: Medical expert, collaborator, communicator.
3. Participants will know the current information on long term outcomes and complications of intrathecal baclofen and selective dorsal rhizotomy. Canmeds: Medical expert, collaborator.

Canmeds: Medical expert, collaborator.

- Assessment of Hypertonia and Pharmacologic Management of Spasticity Darcy Fehlings
- Selection Criteria and Outcomes of Intrathecal Baclofen Ashutosh Singhal
- Complications of Intrathecal Baclofen James Drake
- Selection Criteria for Selective Dorsal Rhizotomy Chantal Poulin
- Outcomes of Selective Dorsal Rhizotomy Jean-Pierre Farmer

08:00-10:30

Neuro Ophthalmology

Jason Barton

	Introduction	Jason Barton
08:00	Approach to Diplopia	Sara Simpson
08:30	Approach to Excessive Eye Movements	Danny Lelli

09:00	Approach to Visual Loss	Martin ten Hove
09:45	Approach to Anisocoria	Suresh Subramanian
10:05	Approach to Reading Problems	Jason Barton
10:25	Evaluation & Wrap Up	

08:00-10:30

EEG

Seyed Mirsattari and Cecil Hahn

This course will be an introduction to basic aspects of EEG technology and its clinical interpretation.

By the end of this course participants will be able to:

- Become familiar with basic aspects of EEG technology and recognize normal and common electrographic abnormalities in focal and generalized epilepsies.

Audience: Neurologist – Adult, Child Neurologist, Neurosurgeon, Neuro Physiologist, Resident, Fellow, Nurses with interest in topic, EEG technologists

Learning Level: Basic and Intermediate

Learning Format: Demonstration, Discussion group/ peer exchange/ user groups, Small group discussion, Small Workshop / hands-on demonstration

CanMED Roles: Medical Expert, Communicator, Collaborator, Manager, Health Advocate, Professional

08:00	Technology	Roy Sharma
08:20	Physiology	Rick McLachlan
08:40	Benign Epileptiform Variants	Seyed Mirsattari
09:00	Epileptic (focal and Generalized)	Jose Tellez
09:30	Hands-on at Four Stations	Seyed Mirsattari, Cecil Hahn, Rick McLachlan and Jose Tellez 15 min per station; 2 cases per stations

08:00-10:30

Epilepsy Through the Years: From Childhood to Adult

Esther Bui and Rajesh Nair

Course Description:

Childhood onset epilepsies are often associated with a variety of comorbid conditions. Detection and management of these comorbid conditions directly impacts the overall health related quality of

life. Seizures and comorbidities in children with epilepsy often persist during adulthood, which pose unique challenges for effective transitional care. This course is designed to address these unique aspects of childhood onset epilepsies.

By the end of this course participants will be able to:

- Understand the spectrum of co-morbid conditions associated with pediatric epilepsies, and its management
- Learn the challenges associated with transition of care from pediatric clinical setting to adult clinical setting, and the optimal methods for effective transition care
- Understand the variability in the long term outcomes associated with pediatric epilepsy syndromes, and the knowledge gathered from Nova Scotia epilepsy cohort

Audience: Neurologist – Adult | Child Neurologist | Neurosurgeon | Resident | Fellow | Nurses with interest in topic/ social workers/ community epilepsy agencies

Learning Level: Intermediate

Learning Format: Lecture followed by, Question and answer sessions

CanMED Roles: Medical Expert, Scholar, Communicator, Collaborator, Health Advocate

Agenda

Time	Description	Presenter Name
08:00	Introduction of topics and speakers	Esther Bui and Rajesh Nair
08:05	Comorbidities in Pediatric Epilepsies <ul style="list-style-type: none"> • Highlight the prevalence of key comorbid illnesses in pediatric epilepsies • Present the Canadian data on from studies on the National Longitudinal Study of Children and Youth (NLSCY). • Discuss impact of comorbid disorders on epilepsy care • Outline treatment and management challenges 	Narayan Prasad
8:45	Developing & Sustaining Transitional Epilepsy Clinics: Practical Aspects Review the current state of transitional epilepsy care in Canada <ul style="list-style-type: none"> • Describe current models 	Danielle Andrade

	of transitional care, learning from other models <ul style="list-style-type: none"> • Review the pitfalls of developing a transitional epilepsy care program 	
09:25	Long-term Outcomes of Childhood Epilepsies: A Canadian Perspective <ul style="list-style-type: none"> • Review the long-term outcomes of childhood epilepsies, where are they now? • Highlight preventative measures to improve long-term morbidity • Lessons learned from the Nova Scotia cohort 	Peter Camfield
10:05	Question-Answer session	

ABSTRACT PLATFORM PRESENTATIONS

08:00-11:00

CNS/ CSCN Abstract Presentations

08:00-11:00

CNSS Abstract Presentations

08:00-11:00

CACN Abstract Presentations

12:00-13:30

50th Congress Anniversary Brunch in the Exhibit Hall

13:30-15:30

Grand Rounds

By the end of this session, participants will be able to:

- Discuss challenging case studies in general neurology, neurosurgery and child neurology
- Analyze / diagnose challenging case studies in general neurology neurosurgery and child neurology

Target Audience: Neurologist – Adult, Neurologist – Child, Neurosurgeon, Neurophysiologist, Resident, Fellows

Learning Formats:Case Studies, Q&A

Learner Level:Basic, Intermediate, Advanced

CanMEDs Roles:Medical Expert, Communicator, Collaborator, Manager Health Advocate, Scholar & Professional

1:05 pm	Presentation of the CNSF Distinguished Service Award CNSF President: Jeanne Teitelbaum
1:10 pm	Grand Rounds Chaired by: J. C. Martin del Campo
CNS/CSCN	A Brief History of Time Moderator: J.C. Martin del Campo Presenter: Raphael Schneider
CACN	An Unusual Etiology for an Encephalopathic, Ataxic Child Moderator: Mahendra Moharir Presenter: Liza Kouzmitcheva
CNSS	A Rare Twist on a Cerebellar Space Occupying Lesion with Edema Moderator: Mike Tymiansk Presenter: George M. Ibrahim

Networking & Social Events

Wednesday, June 10, 2015

Exhibitor's Reception Free Admission for Registered delegates **5:15 pm - 7:15 pm**

Join your colleagues in the Exhibit Hall for a welcome reception for our sponsors and exhibitors. This is an excellent opportunity to network with colleagues while checking out the latest developments regarding medical devices, pharmaceuticals and new opportunities and achievements within the neuroscience field.

Resident's Social Free Admission for Registered delegates **7:30 pm - 9:30 pm**

The residents' social will be held in the Library bar // Mezzanine Level and will provide residents with an occasion to network with colleagues and staff physicians in an informal setting; casual fare will be provided. There will be a job fair at the social event. Staff physicians and academic centres that are hiring for fellowships and staff positions will be present and residents will be able to learn about available opportunities.

This event should provide a great setting for forging relationships and enjoying the company of colleagues.

Thursday, June 11, 2015

Lunch in the Exhibit Hall Free Admission for Registered delegates **11:45 am - 1:15 pm**

Enjoy some lunch, network with colleagues and check out the latest developments in medical devices, pharmaceuticals and opportunities in the neurosciences.

CACN Dinner - Luma Restaurant 7:00 pm

Luma Restaurant at the TIFF Bell Lightbox – 350 King St West

Take advantage of this unique annual opportunity to reacquaint yourself with former trainees, co-workers, colleagues, mentors and friends.

For full details and ticket purchase <https://sites.google.com/site/2015cacndinner/>

Friday, June 12, 2015

CNSF 50th Congress Anniversary Brunch Free Admission for Registered delegates **11:00 am - 1:00 pm**

Join us for a special brunch in the Exhibit Hall to celebrate the CNSF's 50th Congress.

Specific Course Evaluations (SCE)

All individual Specific Course Evaluations are listed below for your convenience. These surveys are available for responses until Monday, June 15, 2015.

Why is it important to complete Specific Course Evaluations?

- It lets us know how we did this year.
- It lets us know what courses to offer next year.
- It offers YOU an opportunity to suggest course topics and speaker names...

We use Survey Monkey as our online survey tool. Please note that some organizational servers block the use of this tool. If you are unable to access Evaluations through your work server, try accessing through your personal internet service.

Tuesday, June 9, 2015

8:30 am – 11:45 am | Courses

- Hot Topics in Neurology: Hinterlands of Consciousness
- Hot Topics in Child Neurology
- Hot Topics in Neurosurgery
- Hot Topics in Neurophysiology: Sudden Death Related to Epilepsy

1:45 pm – 5:15 pm | Courses

- Resident Review – Neurosurgery: Functional Epilepsy
- Resident Review – Neurology: Neuro-Oncology
- Neurocritical Care course
- Intraoperative Monitoring and Evoked Potential

6:00 pm - 8:00 pm | Special Interest Groups

- SIG – Epilepsy Video Session
- SIG - Neuromuscular
- SIG – Neurocritical Care
- SIG – Movement Disorders
- SIG – Headache
- SIG – Epilepsy Surgery

Wednesday, June 10, 2015

8:00 am – 10:30 am | Grand Plenary Sessions

2:15 pm – 5:15 pm | Courses

- [Neurovascular & Interventional Neuroradiology](#)
- [Spine](#)
- [Stroke](#)
- [Headache](#)
- [Multiple Sclerosis](#)
- [Neuromuscular](#)

Thursday, June 11, 2015

8:30 am – 11:45 am | Society Days – AM Sessions

- **CNS** am course – 50 Years of Neurologic Advances – Part 1
- **CACN** am course – Neonatal Neurology
- **CNSS** am course – Intraventricular Tumours
- **CNSS** am course – Management of Pituitary Tumours
- **CSCN** am course – EMG Lecture

11:45 am – 1:15 pm | Co-Developed Session | CNS and Biogen

- Individualizing Disease Modifying Therapies in RRMS

1:30 pm – 4:30 pm | Society Days – PM Sessions

- **CNS** pm course – 50 Years of Neurologic Advances – Part 2
- **CACN** pm course – Critical Care Neurology
- **CNSS** pm course – Peripheral Nerve Compression Syndromes
- **CNSS** pm course - Evidence-Based Neurosurgery
- **CSCN** pm course – EMG Workshop

Friday, June 12, 2015

8:00 am – 10:30 am | Courses

- Spasticity
- Neuro Ophthalmology
- EEG
- Epilepsy Through the Years: From Childhood to Adult

Overall Congress Evaluation (OCE)

Just one more survey...

The OCE link will be provided to Congress delegates via an email on Friday, June 12th. The survey will be open for responses until July 1, 2015. [OCE 2015](#)

Grand Plenary Speakers

2015 Grand Plenary Wednesday 8:00 am - 10:30 am

Featuring the following guest lecturers!



Josep Dalmau

CNS Richardson Lecture

Research Professor ICREA-IDIBAPS, Service of Neurology, Hospital Clínic, University of Barcelona Adjunct Professor Neurology, University of Pennsylvania

Dr. Josep Dalmau received his M.D. and Ph.D. from the University of Barcelona, Spain. He trained in Neuro-oncology at Memorial Sloan-Kettering Cancer Center (MSKCC) in New York and afterwards was appointed to the faculty. After 11 years at MSKCC, Dr. Dalmau took a position as co-director of Neuro-oncology at the University of Arkansas for Medical Sciences. In 2002 he moved to the Department of Neurology and Abramson Cancer Center of the University of Pennsylvania as a Professor of Neurology.

Dr. Dalmau is currently Research Professor at the Catalan Institute for Research and Advanced Studies (ICREA) in IDIBAPS/Hospital Clinic, University of Barcelona, and Adjunct Professor of Neurology at the University of Pennsylvania. His research is funded by a variety of agencies including the USA National Institutes of Health (NIH) and the Spanish Health Institute (ICIII).

Dr. Dalmau's research is focused on autoimmune and paraneoplastic neurological disorders and his recent work has revealed a new category of disorders mediated by antibodies to neuronal cell surface and CNS synaptic proteins. Dr. Dalmau is a member of many academic societies and recently was named editor in chief of the journal, *Neurology: Neuroimmunology and Neuroinflammation*.



Tally Lerman-Sagie

CACN Tibbles Lecture

Professor of Pediatrics and Child Neurology Wolfson Medical Center, Holon, Israel

Professor Tally Lerman-Sagie earned a medical degree at Hadassah-Hebrew University Medical School, Jerusalem in 1984. She completed a residency in Pediatrics at Beilinson Medical Center and was board certified in Pediatrics in Israel in 1990. She did a fellowship in Pediatric Neurology at Mass. General Hospital, Boston, MA and a fellowship in Metabolic diseases at Children's Hospital, Boston, MA. She was board certified in Pediatric Neurology in Israel in 1996.

She is a Professor of Pediatrics and Pediatric Neurology at the Sackler School of Medicine, Tel-Aviv University and is chief of Pediatric Neurology at Wolfson Medical Center, Israel. She founded and is the head of the Metabolic-Neuro-Genetic service which diagnoses and treats rare metabolic and neurogenetic disorders.

She is the neurologic co-director of the fetal neurology clinic, a multidisciplinary clinic that diagnoses and counsels pregnant women with fetal brain anomalies.

Her main research is in the diagnosis of brain anomalies in utero and postnatal implications and the genetic basis of rare neurogenetic syndromes and epilepsy syndromes.

She has written chapters in text books on Fetal Neurology, published over 45 papers on the topic and gives international courses on the diagnosis of fetal brain anomalies and their prognosis.

CSCN Gloor Lecture



Andrew Mammen

The National Institutes of Health, Maryland, USA

Dr. Mammen joined the NIH as an Investigator and Leader of the Muscle Disease Unit at NIAMS in 2014. He obtained his medical degree and Ph.D. in neuroscience at Johns Hopkins in 2000, where he subsequently completed his medicine internship, neurology residency, and neuromuscular fellowship. Prior to his appointment at NIH, he was Associate Professor of Neurology and Medicine at the Johns Hopkins University School of Medicine. He co-founded the Johns Hopkins Myositis Center in 2007, where he continues to see myositis patients as an adjunct faculty member.

Dr. Mammen and his colleagues at Hopkins discovered a novel form of autoimmune myopathy associated with statin use and autoantibodies recognizing HMG-CoA reductase, the pharmacologic target of statins.

In addition to clinical studies involving myositis patients, his current laboratory research interests include defining pathogenic mechanisms in the various forms of autoimmune myopathy and understanding the role of myositis autoantigens in muscle regeneration.



Charlie Teo

CNSS Penfield Lecture

Director, The Centre for Minimally Invasive Neurosurgery, Australia

Charlie Teo is an inspirational neurosurgeon, pushing the boundaries to the point where the medical fraternity shuns him. He gives people hope, time and life. Charlie is an internationally acclaimed neurosurgeon and a pioneer in keyhole minimally invasive techniques.

He founded the Cure Brain Cancer Foundation (formerly the Cure for Life Foundation) in 2003, which, for the last 10 years, has been the largest funder of brain cancer research in Australia and which supports the Neuro-oncology wing of the Lowy Cancer Centre. The Foundation has recently funded a global collaborative which includes major brain cancer centers from the USA, China, Australia and the United Kingdom.

As passionate about teaching as performing surgery, Charlie has been awarded Best Teacher awards in both the USA and Australia and devotes 3 months of every year instructing and

doing live surgery *pro bono* in developing countries. His efforts were recognized in 2011 when he was appointed a Member of the Order of Australia, in 2012 when he was invited to give the Australia Day Address to the Nation and in 2013 when he was the first non-politician Australian to address the US Congress on the need for more funding for brain cancer research.

Charlie is a father to four beautiful girls, husband to a very understanding wife, Genevieve, and supports the rights of girls and young women in impoverished countries such as Cambodia and India through various charities including his own Teo Family Foundation which has built a hospital in Jabalpour, India, funds the construction of girls toilets in public schools and empowers girls through a netball program.

Course Notes

Thank you to Biocodex,
Course Notes Sponsor



Access to Course Notes will be provided upon registering for the Congress.
The CNSF Registration Team will provide a Username and Password to access the Course Notes online.

Please enter your Username and Password provided by the CNSF Registration Team to access the CNSF 2015 Course Notes.

Username:

Password:

Submit

Forgot Password ? - Please contact the CNSF Registration Team.

CNSF Registration Team: cnsf@intertaskconferences.com

Registration

Each person attending the CNSF 2015 Congress must complete the registration process.

This includes invited speakers, chairpersons, and all delegates.

2015 Course Chairs and Speakers will receive an email with instructions and a code required to complete their registrations.

- **Registration is only confirmed upon receipt of payment.**

Online Registration

Registration Fees

HST will be added amounts below. Early Bird registration ends April 30, 2015, at midnight (ET).

Full Registration	Early Bird Rates	Regular Rates
	Until April 30, 2015 (Midnight ET)	After April 30, 2015
Member (Associate & Active)	\$775	\$910
Member (Junior)	\$510	\$635
Member (Retired)	\$510	\$635
Non-Member	\$1,095	\$1,240
Non-Member (Resident)	\$775	\$910
Non-Member (Neuroscientist)	\$775	\$910
Non-member Nurse, Technologist	\$470	\$470
Non-member Medical Student	\$485	\$485
		Regular Rates
One Day Registration	Early Bird Rates	After April 30, 2015
	Until April 30, 2015 (Midnight ET)	
One Day Member (Associate & Active)	\$485	\$485
One Day Member (Junior)	\$385	\$385
One Day Member (Retired)	\$385	\$385
One Day Non-Member	\$590	\$590
One Day Non-Member (Resident)	\$485	\$485
One Day Non-Member (Neuroscientist)	\$485	\$485
Exhibitors & Sponsors		
Exhibit Hall Only (CNSF Code Required)	\$200	\$200
Full Registration (CNSF Code Required)	\$900	\$900

Full Registration Includes:

- All sessions June 9-12, 2015
- All official lunches and breaks
- Exhibitor's Reception
- Course Notes

One-day Registration Includes:

- Admission to all sessions the day of your registration
- Exhibitor's Reception (if you are registered to attend the Congress on Wednesday)
- Course Notes

REGISTRATION POLICIES

Payment Policy

Registration fees must be paid in full by credit card (VISA, Mastercard or American Express) at time of registration.

Membership Status

Ensure your Canadian Neurological Society (CNS), Canadian Neurosurgical Society (CNSS), Canadian Society of Clinical Neurophysiologists (CSCN) or Canadian Association of Child Neurology (CACN) membership dues are paid in full prior to registering for the CNSF Congress.

Membership status is verified and in the event your membership is not current, non-member registration rates will apply.

Membership Number

You will be required to input your membership number as part of the registration process.

Members that require assistance with their membership number or verification of their membership status, can contact CNSF Membership Services by [email](mailto:cnsf@intertaskconferences.com) or at (403) 229-9544.

Non-member Residents

Proof of status must be provided within 72 hours of submitting registration. Your registration is considered incomplete until your proof of status is received and verified.

Acceptable Proof of Status

- recent transcript
- letter from your Program Director

Send your documents by email to cnsf@intertaskconferences.com.

Non-member Medical Students

Non-member medical students require pre-approval by the CNSF to register for the Congress. Send your request to

Donna Irvin at donna-irvin@cnsfederation.org.

Registration Cancellations

Until midnight (ET) May 6, 2015, cancellations are refundable less a \$50 administration fee (plus applicable taxes). Send your request to cnsf@intertaskconferences.com.

After May 6, 2015, registration fees are non-refundable, however, you may make a substitution.

In the event of cancellation or non-attendance due to an emergency, submit your request in writing (along with supporting documentation) to cnsf@intertaskconferences.com no later than June 30, 2015. Requests received after this date will not be considered. Requests will be reviewed and evaluated on a case by case basis.

Substitutions

Send your request to cnsf@intertaskconferences.com, be sure to include the replacement's name, telephone number and email address.

Photo Reproduction

The CNSF reserves the right to use any photo or video image recorded at the CNSF Annual Congress. By registering for the Congress, you hereby acknowledge and agree that CNSF may photograph you at this event, as well as use the photographs in any publication or media for future educational and promotional activities/materials, without further notification or any compensation to you.

For example, the selected images will assist in the promotion of future CNSF events and may be used in professional displays, advertisements, printed publications, and/or on the CNSF website. You also acknowledge and agree to waive any right to inspect or approve any future educational and promotional activities/materials that may include photographs and/or videotapes of you.

Children

The CNSF Congress is a professional development conference and as such, **insurance and liability issues restrict us from allowing Children in any of the Congress meeting space**; including the Exhibit hall, lecture theatres and all meeting rooms.

Thank you for your compliance and your understanding.

Fairmont Royal York, Toronto

The Fairmont Royal York Hotel will be our Host Hotel as well as our Conference site for 2015.

www.fairmont.com/royalyork



Make your reservation online now

Or, call the hotel: 1-1-800-441-1414 and mention the convention code: CANA0515_001 to ensure you received the special hotel rates available only to CNSF 2015 delegates!

Multiple rooming options available beginning at only \$226/night.

We also invite you to join the Fairmont Presidents Club - All delegates planning to stay at the Royal York Hotel can join the Fairmont Presidents Club to receive complimentary: internet access in the guestrooms, health club access, newspapers, local and 800 calls, and expedited check-in. Complimentary to join at www.fairmont.com/fpc. See a full list of Presidents Club benefits here; <https://www.fairmont.com/fpc/benefits/>



The Fairmont Royal York

The Fairmont Royal York hotel has everything you need: luxurious surroundings, thoughtfully appointed guest rooms, elegant suites and a knowledgeable Concierge. This is the ultimate downtown Toronto hotel. AAA Four Diamond Award

Toronto has grown up around this grand landmark - The Fairmont Royal York. Just steps away from its famous doors, in the heart of Canada's largest metropolis, is an exciting mix of activities and attractions. From the theater, entertainment and financial districts, to shopping, sightseeing, and world-class sports facilities, The Fairmont Royal York truly is at the center of it all.

Travel

Ontario

- [Tourism - Ontario](#)

Toronto

- [Tourism - Toronto](#)

Airline Quick Links

- [Westjet](#)
- [AirCanada](#)

Toronto, Ontario



Attractions

Toronto has something for everyone! This City is chock-full of family friendly activities that are educational and fun. [more info](#)

Culinary

Toronto's culinary scene is one of the best in the country! Choose from upscale gourmet to home-cooked comfort foods from nearly everywhere in the world. [more info](#)

Maps

Discover Toronto! [more info](#)

Upcoming Congress Dates

June 21-24, 2016

June 20 - 23, 2017

Past Congress Locations

- 2014 - Banff
- 2013 - Montreal
- 2012 - Ottawa
- 2011 - Vancouver
- 2010 - Quebec City
- 2009 - Halifax
- 2008 - Victoria
- 2007 - Edmonton

Onsite Exhibit

Welcome to the 2014 Onsite Exhibit!

Take some time during the Congress to visit organizations working in the Neurological Community to assist you with the care of your patients.

Fairmont Royal York Hotel

EXHIBIT HALL HOURS

Convention Floor

Wednesday: 5:15 pm to 7:15 pm

Thursday: 10:00 am to 6:30 pm

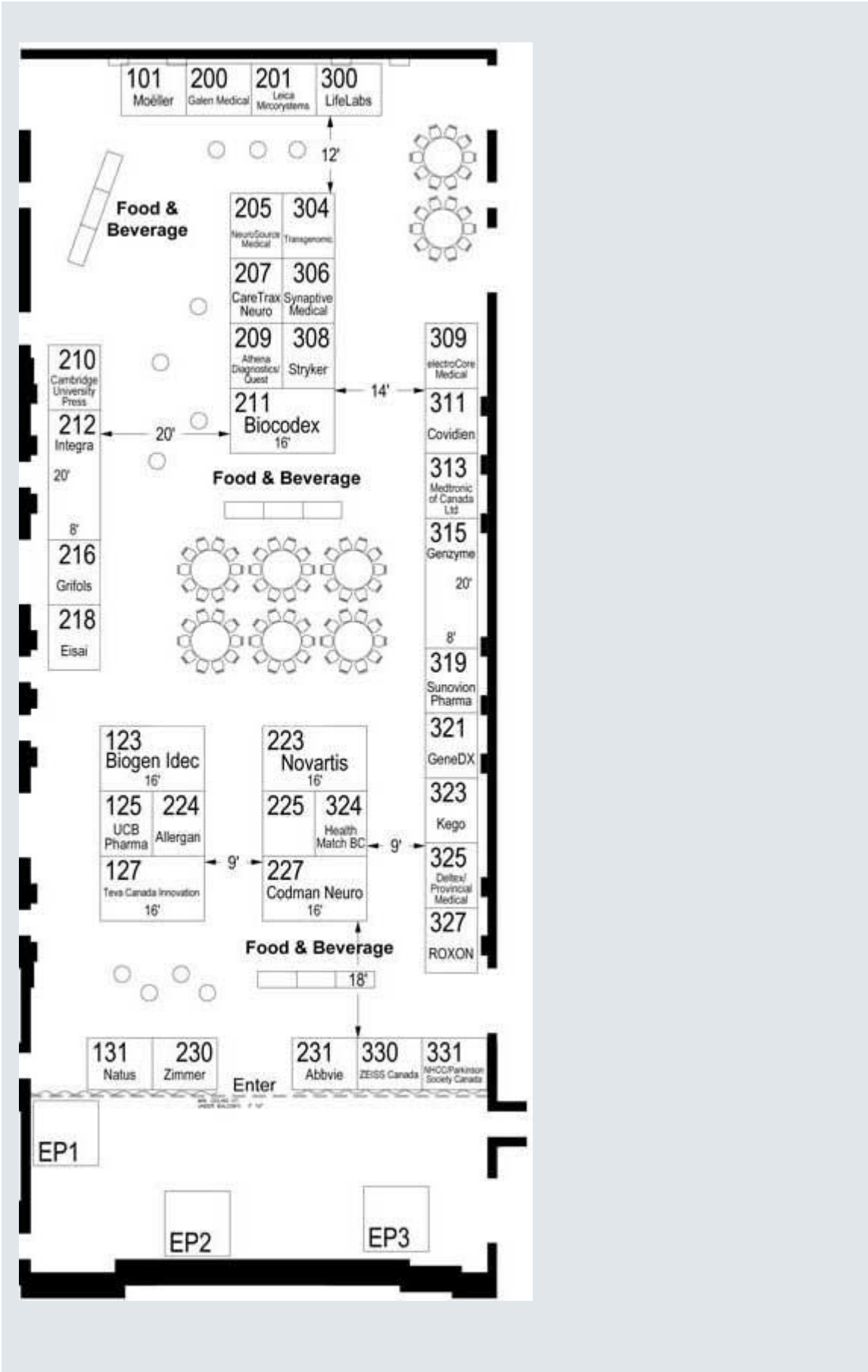
Canadian – Exhibit Hall

Friday: 10:00 am to 1:30 pm

Exhibitor's Reception - Wednesday, June 10, 2015

Free Admission for Registered delegates 5:15 pm - 7:15 pm

Join your colleagues in the Exhibit Hall for a welcome reception for our sponsors and exhibitors. This is an excellent opportunity to network with colleagues while checking out the latest developments regarding medical devices, pharmaceuticals and new opportunities and achievements within the neuroscience field.



2015 Exhibitors

Learn more about our Exhibitors by visiting them during the Congress and at their Virtual Booths in Industry Updates <http://iu.cnsfederation.org/>

Company	Booth #
Allergan	224
Abbvie	231
Athena Diagnostics	209
Biocodex	211/310
Biogen	123/222
Cambridge University Press	210
CareTax Neuro	207
ZEISS Canada	330
Codman Neuro	227/326
Covidien	311
Eisai	218
electroCore	308
Galen Medical	200
GeneDX	321
Genzyme	315/317
Grifols	216
Health Match BC	324
Integra	212/214
Kego	323
Leica Microsystems	201
LifeLabs	300

Medtronic of Canada Ltd.	313
Moeller	101
NeuroSource Medical	205
NHCC	331
Novartis	223/322
ROXON	327
Rx&D	225
Stryker	308
Sunovion Pharma	319
Synaptive	306
Teva Canada	127/226
Transgenomic	304
UCB Pharma	125
Zimmer	230

Industry Updates Link - <http://iu.cnsfederation.org/>

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CNSS Member*

2015 Congress Planning Committee

The Canadian Neurological Sciences Federation (CNSF) is composed of 4 Societies:

- Canadian Neurological Society (CNS)
- Canadian Association of Child Neurology (CACN)
- Canadian Neurosurgical Society (CNSS)
- Canadian Society of Clinical Neurophysiologists (CSCN)

Members from each of the 4 Societies have representation on our Congress planning committee(s) - the Professional Development Committee (PDC) and the Scientific Program Committee (SPC). This year's Planning Committee is comprised of:

Bev Prieur	PDC Chair (CACN, CNS)
Joe Megyesi	PDC Vice-Chair (CNSS)
Draga Jichici	SPC Chair (CNS)
Tejas Sankar	SPC Vice-Chair (CNSS)
Sharon Whiting	CNSF Vice-President (CACN)
Craig Campbell	SPC (CACN)
Danielle Andrade	SPC (CSCN)
Pat McDonald	SPC (CNSS)
Kesh Reddy	CNSF Vice-President, SPC (CNSS)
James Perry	SPC (CNS)
Jeanne Teitelbaum	CNSF President, PDC (CNS)
Chintankumar Shah	CACN PDC Rep
Lawrence Korngut	SPC (CNS, CSCN)
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Janka Hegedus	SPC, PDC (CNS)
Michael Tso	SPC, PDC (CNSS)
Roger McKelvey	PDC (CNS)

Rudolf Arts	PDC (CNS, CSCN)
Serena Orr	SPC, PDC (CACN)
Seyed Mirsattari	SPC (CSCN)

For information on the Exhibition Hall, please contact Exhibitor Logistics:

Kelly Benoit

Senior Coordinator, Intertask Conferences

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Fax: 613-236-2727

E-mail: cnsf@intertaskconferences.com