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FRIDAY, JUNE 13, 2014

13:00 – 20:00
Registration Open
Room: Delta Hotel Lobby

18:00 – 20:00
Welcome Reception
Trade Exhibit
Room: Mile One Centre

SATURDAY, JUNE 14, 2014

FRENCH TRACK
Sessions noted in grey

06:30 – 17:00
Registration Open
Room: Delta Hotel Lobby

07:30 – 08:00
Delegate Continental Breakfast
Room: SJCC – Marconi Hall

08:00 – 09:45
Track Education and Simulation in Anesthesia
Plenary
Celebrating 60 years of Publication: The CJA Diamond Jubilee
Room: Salon A

Objectives:
At the end of this session, participants will be able to:
• List five highlights of the history of the Canadian Journal of Anesthesia.
• Explain the relevance of a peer-reviewed journal to a national specialty medical society.
• List three examples of how a journal can provide continuing professional development opportunities for readers.
• Define open access publication and state its overall significance.
• List three common trends in biomedical publication.

Chair: Dr Donald Miller, University of Ottawa, Ottawa, ON
Presenters:
Dr François Donati, University of Montreal, Montreal, QC
Dr James Eisenach*, Wake Forest School of Medicine, Winston-Salem, NC
Dr Hilary Grocott, University of Manitoba, Winnipeg, MB
Dr Donald Miller, University of Ottawa, Ottawa, ON

09:45 – 10:15
Beverage break
Room: Mile One Centre

09:45 – 16:00
Trade Exhibit
Poster Display
Room: Mile One Centre

10:15 – 12:00
Track Residents
Resident 1
Anesthesia in the Academic, Community and Perioperative Settings
Room: Brownsdale

Objectives:
At the end of this session, participants will be able to:
• Describe the attributes of an academic practice of anesthesiology.
• Describe the attributes of a community-based practice of anesthesia.
• Define the expanding role of anesthesiologists in the perioperative period.

Chair: Dr Andrew Weiss, University of Manitoba, Winnipeg, MB
Presenter: Dr Heather McDonald, University of Manitoba, Winnipeg, MB

10:15 – 12:00
Track Patient Safety
Symposium 1
Dr John Wade – CPSI Patient Safety Symposium Co-developed by the Canadian Anesthesiologists’ Society and the Canadian Patient Safety Institute
Room: Salon B

Objectives:
At the end of this session, participants will be able to:
• Describe the historical and actual contribution of Canadian anesthesiologists to improve patient safety.
• List some of the major patient safety initiatives created and/or supported by the CAS and the World Federation of Societies of Anesthesiologists.
• Explain the importance of being involved in the administrative and policy leadership of diverse health organizations in order to promote patient safety.
• Affirm their own leadership for patient safety initiatives in their department and hospital.

Chair: Theresa Fillatre, Canadian Patient Safety Institute, Edmonton, AB
Presenters:
Dr Alan Merry*, The University of Auckland, Auckland, New Zealand
Dr John Wade, University of Manitoba, Winnipeg, MB

10:15 – 12:00
Track Cardiovascular and Thoracic
Symposium 2
Current Controversies in Transfusion
Room: Salon A

Objectives:
At the end of this session, participants will be able to:
• List determinants of the optimal hemoglobin level for transfusion in the cardiac surgery patient.
• Discuss the pertinent prior trials outlining the various transfusion triggers that have been investigated, including their pitfalls and limitations.

• Discuss the latest data with respect to optimal fibrinogen levels for the prevention and treatment of perioperative coagulopathy.

• Describe how point-of-care testing can guide fibrinogen and coagulation factor therapy.

• Discuss the current outcome data and uncertainty regarding the influence of the age of red blood cell units on perioperative outcome.

Chair: Dr Blaine Kent*, Dalhousie University, Halifax, NS

Presenters:
Dr Elliott Bennett-Guerrero*, Duke University, Durham, NC
Dr Keyvan Karkouti*, University of Toronto, Toronto, ON
Dr Burkhard Mackensen, University of Washington, Seattle, WA

10:15 – 12:00
Track: Perioperative
Symposium 3
CAS Standards Committee Symposium: Non-Technical Skills in Anesthesia – Enhanced Recovery Programs
Room: Salon CD

Objectives:
At the end of this session, participants will be able to:
• Connect the establishment of a new program, such as Enhanced Recovery after Surgery (ERAS), with the practice of non-technical skills.
• Identify the challenges inherent in non-traditional roles for anesthesiologists, particularly in the context of major changes in clinical practice, such as those related to ERAS.

• Define how other professionals will also have to change practice, including interacting with other team members, in the establishment of a new clinical program such as ERAS.

Chair: Dr Richard Merchant*, University of British Columbia, Vancouver, BC

Presenters:
Dr Franco Carli, McGill University, Montreal, QC
Dr Jan Davies, University of Calgary, Calgary, AB
Dr Sender Liberman*, McGill University, Montreal, QC
Dr Richard Merchant*, University of British Columbia, Vancouver, BC

10:15 – 12:00
Track: Obstetric Anesthesia
Workshop Ticketed 1
Epidural Ultrasound
Room: SJCC – Alcock

Objectives:
At the end of this session, participants will be able to:
• Describe and discuss the ultrasound anatomy of the lumbar epidural space.
• Examine the equipment and machine settings required and practice the skills required to perform ultrasound in the visualization of the epidural space.
• Demonstrate the use of ultrasound for spinal anesthesia and epidural analgesia.

Leader: Dr Jose Carvalho, University of Toronto, Toronto, ON

Instructors:
Dr Cristian Arzola, University of Toronto, Toronto, ON
Dr Minalini Balki, University of Toronto, Toronto, ON
Dr Ronald George, Dalhousie University, Halifax, NS
Dr Paul Wieczorek, McGill University, Montreal, QC

10:15 – 12:00
Track: Regional and Acute Pain
Workshop Ticketed 2
Ultrasound-Guided Regional Anesthesia – Advanced Lower Limb
Room: SJCC – Brown

Objectives:
At the end of this session, participants will be able to:
• Describe detailed ultrasound scanning techniques for various approaches to the sciatic, femoral, saphenous, lateral femoral cutaneous and obturator nerves.
• Discuss the use of ultrasound-guided catheter insertion techniques, ambulatory catheters, local anesthetic infusions and adjuncts.
• Scan various nerves and their anatomy on live models.

Leader: Dr James Green, University of Alberta, Edmonton, AB

Instructors:
Dr Alayne Kealey, University of Toronto, Toronto, ON
Dr Mark Kostash*, University of Calgary, Calgary, AB
Dr Paul McHardy, University of Toronto, Toronto, ON

10:15 – 12:00
Track: Neuroanesthesia and Critical Care Medicine & Trauma
Poster Discussion 1
Room: Cochrane

Chair: Dr Faisal Siddiqui, Winnipeg Regional Health Authority, University of Manitoba, Winnipeg, MB

11:30 – 13:15
Track: Perioperative
Refresher Course 3
SECTION EVENT: Perioperative Stroke Update
Room: Salon G
Objectives:
At the end of this session, participants will be able to:

• Describe the pathophysiology of perioperative stroke.
• Manage perioperative stroke.
• Describe the correlation between anemia, beta blockers and stroke.

Presenter: Dr Adrian Gelb*, University of California, San Francisco, CA

12:00 – 13:00
Delegate Lunch
Room: Mile One Centre

12:00 – 13:45
Track Regional and Acute Pain Symposium 4
SECTION EVENT: Upper Limb Regional Anesthesia and Brachial Plexus Anatomical Variations – Nerve Localisation Over the Past 60 Years: an Evolution or a Revolution?
Room: Salon E

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

• Describe brachial plexus sonoanatomy and anatomical variations.
• Understand the vascular anatomy of the posterior triangle of the neck.
• Discuss potential contributions to improved success rates and safety of ultrasound-guided regional anesthesia.
• Determine the importance of pre-procedure scanning.
• Describe potential advantages and disadvantages of ultrasound-guided nerve localization over neurostimulation.

Chair: Dr Marie-Josée Nadeau, Laval University, Quebec City, QC

Presenters:
Dr Derek Dillane, University of Alberta, Edmonton, AB
Dr Luminita Tureanu, Northwestern University, Chicago, IL

13:00 – 13:45
Track Pediatric Case Discussion 1
Endocrine Challenges: Anesthesia for the Diabetic or Steroid-Dependent Child
Room: Salon CD

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

• Describe the incidence and prevalence of pediatric diabetes.
• Formulate a plan for diabetic children based on best practice.
• Critically appraise the evidence for the use of perioperative corticosteroids.

12:00 – 13:45
Track Cardiovascular and Thoracic Symposium 5
SECTION EVENT: Cardiac Surgery in the Developing World: Opportunities for the Cardiac Anesthesiologist
Room: Salon F

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

• Discuss the current state of need for high-level cardiac surgery and perioperative care in the developing world.
• Describe the pitfalls and roadblocks to disseminating first world cardiac care in third world countries.
• Identify the developing opportunities for cardiac surgery and anesthesia care teams in the developing world.

Chair: Dr Blaine Kent*, Dalhousie University, Halifax, NS

Presenter: Dr Rizwan Manji, University of Manitoba, Winnipeg, MB

13:00 – 13:45
Track Obstetric Anesthesia Case Discussion 4
Mechanical Heart Valves and Pregnancy – Anesthetic Implications and Management
Room: Salon A

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

• Discuss the anesthetic management of the obstetric patient with a mechanical heart valve.
• Describe the management of anticoagulation during pregnancy.
• Discuss the anesthetic implications of a patient with Shone’s Complex presenting for delivery.

Presenter: Dr Lorraine Chow*, University of Calgary, Calgary, AB

13:00 – 13:45
Track Neuroanesthesia Refresher Course 2
The Ideal Neuroanesthetic
Room: Salon B

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

• Describe the effects of various anesthetic agents on cerebral physiology.
• Determine the neuroanesthesia potential of the agents dexmedetomidine, etomidate and ketamine.
• Make a rational choice of anesthesia for different neurosurgical procedures.
Presenter: Dr Adrian Gelb*, University of California, San Francisco, CA

13:00 – 13:45

Track: Residents

Resident 2

Report from the Chief Examiner

Room: Brownsdale

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

• Describe the structure of the Royal College of Physicians and Surgeons of Canada.

• Describe the approach of examiners to administering the examinations.

• List common types of error on the examination.

Chair: Dr Andrew Weiss, University of Manitoba, Winnipeg, MB

Presenter: Dr Sandra Katsiris, Western University, London, ON

13:45 – 14:15

Beverage Break

Room: Mile One Centre

14:15 – 16:00

Track: Faculty Development

Symposium 6

Perioperative Myocardial Infarction

Room: Salon A

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

• Describe the pathophysiology of perioperative myocardial infarction/ischemia.

• Discuss outcomes of perioperative myocardial infarction/ischemia.

• Describe the adverse relationship between anemia and beta-blocker therapy in perioperative patients.

• Determine the most appropriate beta-blocker for use in the perioperative setting.

Presenters:
Dr Gregory Hare*, University of Toronto, Toronto, ON
Dr Homer Yang, University of Ottawa, Ottawa, ON

14:15 – 16:00

Track: Ambulatory

Symposium 7

Morbidly Obese Patients for Ambulatory Surgery – What are the Risks?

Room: Salon CD

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

• List the risk factors of morbidly obese patients.

• Determine the optimal perioperative management of ambulatory patients with morbid obesity.

• Discuss oxygenation in the morbidly obese and difficult airway management in the morbidly obese, and management options.

• Identify two clinical scenarios related to bariatric surgical care litigation in Canada.

• Explain the decision process for defensibility in medico-legal files and select three communication tips to improve safety in bariatric surgery.

Chair: Dr Jean Wong*, University of Toronto, Toronto, ON

Presenters:
Dr Frances Chung, University of Toronto, Toronto, ON
Dr Lorraine LeGrand-Westfall, Canadian Medical Protective Association, Ottawa, ON
Dr David Wong, University of Toronto, Toronto, ON

14:15 – 16:00

Track: Faculty Development

Symposium 8

Remembering the Past – History of Anesthesia and the Role Played by Canadians

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

• Discuss the origin of pre-operative fasting guidelines in anesthesia and surgery and how these guidelines have changed in recent years.

• Examine new information about the origin and development of academic anesthesia in Canada.

• Describe the important role Canadians played in the development of anesthesia in Canada and worldwide.

Chair: Dr Brendan Finucane, University of Alberta, Edmonton, AB

Presenters:
Dr Roger Maltby, University of Calgary, Calgary, AB
Dr John Wade, University of Manitoba, Winnipeg, MB

14:15 – 15:00
Track French
Symposium 9
L'épidurale obstétricale : Intervention à éviter chez les patientes à faible risque ? (Obstetrical epidural: Unnecessary intervention in low-risk patients?)
Room: Salon E

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

• Summarize the section on obstetrical epidurals of the report published by the Institut national d’excellence en santé et en services sociaux (INESSS), “Promising Measures to Reduce the Use of Avoidable Obstetrical Interventions with Low-risk Women”.

• Discuss the advantages of an epidural for women and newborns.

• Discuss the effects of an epidural on the prolongation of the second stage of labour, on breastfeeding, and on temperature during labour.

14:15 – 16:00
Track Cardiovascular and Thoracic
Workshop Ticketed 3
Ultrasound Resuscitation for Beginners
Room: SJCC – Alcock

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

• Perform a systematic ultrasound examination to assess undifferentiated shock in a perioperative environment.

• Perform an ultrasound examination to identify intra-abdominal hemorrhage.

• Perform an ultrasound examination to identify pleural or lung disease.

• Perform an ultrasound examination to identify cardiac filling and function.

Leader: Dr Robert Chen, University of Toronto, Toronto, ON

Instructors:
Dr André Denault, University of Montreal, Montreal, QC
Dr Massimiliano Meineri, University of Toronto, Toronto, ON
Dr Han Kim, University of Toronto, Toronto, ON
Dr Annette Vegas, University of Toronto, Toronto, ON
Dr Chidam Yegappan, Memorial University, St John’s, NL
Dr Geoff Zbitnew*, Memorial University, St John’s, NL
SUNDAY, JUNE 15, 2014

06:30 – 16:00
Registration Open
Room: Delta St John’s Hotel, Lobby

07:00 – 08:00
Delegate Continental Breakfast
Room: SJCC – Marconi Hall

07:00 – 08:45
Track: Ambulatory
Symposium 11
Room: Salon E

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

• Discuss the nuances and peculiarities between different supraglottic airway devices.
• Describe the role of supraglottic airway devices in difficult airway management algorithms.
• Determine the importance of supraglottic airway devices in the out-of-hospital airway rescue situation.
• Identify two clinical scenarios where airway management was at the center of litigation.
• List three issues that could support your care for defensibility.

Presenters:
Dr Lorraine LeGrand-Westfall, Canadian Medical Protective Association, Ottawa, ON
Dr Edwin Seet, Khoo Teck Puat Hospital, Alexandra Health Private Limited, Yishun, Singapore

07:00 – 08:45
Track: Pediatric
Symposium 12
SECTION EVENT: Professionalism in Pediatric Anesthesia – More Than Just a CanMed Tick Box
Room: Salon F

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

• List the competencies that enable professionalism.
• Identify areas of practice that benefit from Quality Assurance/Quality Improvement assessment and formulate initiatives that adopt the latest methodologies.
• Recognise the special challenges of incorporating professionalism into trainee education.
• Identify disruptive physician behaviour and propose steps involved in addressing it.

Chair: Dr Dominic Cave, University of Alberta, Edmonton, AB

Presenters:
Dr Ramona Kearney, University of Alberta, Edmonton, AB
Dr Conor M McDonnell, University of Toronto, Toronto, ON
Dr David Rosen, University of Ottawa, Ottawa, ON

08:00 – 08:45
Track: Obstetric Anesthesia
Symposium 10
Canadian Obstetric Anesthesia Guidelines – What Should They Contain?
Room: Salon CD

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

• Describe the methodology for development of the Canadian Anesthesiologists’ Society Obstetric Anesthesia Guidelines.
• Participate in the development of the Canadian Anesthesiologists’ Society Obstetric Anesthesia Guidelines.
• Discuss the evidence available for potential Canadian Anesthesiologists’ Society Obstetric Anesthesia Guidelines.

Chair: Dr Ronald George, Dalhousie University, Halifax, NS

Presenters:
Dr Peter Cino, University of Toronto, Toronto, ON
Dr Ronald George, Dalhousie University, Halifax, NS
Dr Christian Loubert, University of Montreal, Montreal, QC
Dr Alison Macarthur, University of Toronto, Toronto, ON

07:00 – 08:45
Track: Chronic Pain Management
Symposium 13
SECTION EVENT: News in the Royal College Certification in Pain
Room: Salon G

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

• Decide the new leadership for the Section.
• Describe the certification process in chronic pain by the Royal College.

• Participate more enthusiastically in Section activities.

Co-Chairs:
Dr Juan-Francisco Asenjo, McGill University, Montreal, QC
Dr Collin Clarke, Western University, London, ON

Presenters:
Dr Patricia Morley-Forster*, Western University, London, ON
Dr Phillip Peng*, University of Toronto, Toronto, ON
08:00 – 08:45
Track Neuroanesthesia
Case Discussion 2
One Patient – Two Brains! Neuropathic Anesthesia in a Pregnant Patient with an Intracranial Mass
Room: Salon B
Objectives:
At the end of this session, participants will be able to:
• Describe the rationale for previously avoiding neuraxial anesthesia in patients with intracranial lesions.
• Discuss which patients with intracranial lesions may safely have spinal and epidural anesthesia.
• Assess the risk of neurologic deterioration with epidural analgesia or anesthesia and dural puncture in patients with intracranial lesions.
Presenter: Dr Marie Hélène Tremblay, Laval University, Quebec City, QC

08:00 – 08:45
Track Cardiovascular and Thoracic Refresher Course 4
Transesophageal Echocardiography for Transcatheter Aortic Valve Implantation
Room: Salon A
Objectives:
At the end of this session, participants will be able to:
• Discuss the latest information advances in the preoperative management of Transcatheter Aortic Valve Implantation (TAVI) cases.
• Describe how transesophageal echocardiography (TEE) can assist in the perioperative management of the TAVI patient.
• Discuss how use of TEE can help diagnose and direct management of TAVI complications.
Chair: Dr Hilary Grocott, University of Manitoba, Winnipeg, MB
Presenter: Dr Burkhard Mackensen, University of Washington, Seattle, WA

08:00 – 08:45
Track Anesthesia Assistants
Case Discussion 3
Perioperative Hemodynamic Monitoring
Room: Brownsdale
Objectives:
At the end of this session, participants will be able to:
• Describe the mechanics and physical principles of invasive pressure monitoring.
• Assess the information that can be obtained from arterial line pressure monitoring.
• Assess the information that can be obtained from central venous pressure monitoring.
• Identify the different modalities of assessing cardiac output using invasive and non-invasive monitoring.
Presenter: Dr Faisal Siddiqui, Winnipeg Regional Health Authority, University of Manitoba, Winnipeg, MB

09:00 – 10:45
Track Education and Simulation in Anesthesia Symposium 15
3 Papers That Changed my Approach to Teaching
Room: Salon CD
Objectives:
At the end of this session, participants will be able to:
• Identify new strategies that can be applied to direct teaching of learners.
• Provide evidence-based strategies to improve their teaching abilities.
• Critically appraise some of the education literature with the goal of improving teaching skills.
Chair: Dr Jordan Tarshis, University of Toronto, Toronto, ON
Presenters:
Dr Tobias Everett, University of Toronto, Toronto, ON
Dr Megan Hayter, Rockyview General Hospital, Calgary, AB
Dr David Wilkinson, World Federation of Societies of Anaesthesiologists, London, United Kingdom
Management Challenges During Anesthesia
Room: Brownsdale

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

- **Describe the current Neuromuscular Blockade (NMB) monitoring process.**
- **Discuss the initiative to NMB reversal.**
- **Describe the physiology of Respiratory Sinus Arrhythmia (RSA) and how it changes with nociception/antinociception.**
- **Explore the limitations of current nociception monitoring.**
- **Examine the current literature pertaining to NMB and nociceptive monitoring, future directions and the potential research opportunities.**

**Presenters:**
Jared Campbell, Winnipeg Regional Health Authority, University of Manitoba, Winnipeg, MB
Jeff Kobe, Winnipeg Regional Health Authority, University of Manitoba, Winnipeg, MB

**09:00 – 10:45**
**Track** Anesthesia Assistants
**Symposium 16**
**Management Challenges During Anesthesia**
Room: Brownsdale

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

- **Examine the interscalene, supraclavicular, and infraclavicular approaches to the brachial plexus.**
- **Scan the brachial plexus anatomy on live models.**
- **Discuss the use of ultrasound-guided catheter insertion techniques, ambulatory catheters, and local anesthetic infusions.**

**Leader:** Dr Jennifer Szerb*, Dalhousie University, Halifax, NS
**Instructors:**
Dr Shalini Dhir, Western University, London, ON
Dr Justin Greenberg, Dalhousie University, Halifax, NS
Dr Desiree Persaud, University of Ottawa, Ottawa, ON

**09:00 – 10:45**
**Track** Pediatrics, Regional Anesthesia and Acute Pain
**Poster Discussion 4**
Room: Cochrane

**Chair:** Regional Anesthesia and Acute Pain
**Chair:** Dr Derek Dillane, University of Alberta, Edmonton, AB

**09:45 – 14:00**
**Trade Exhibit**
Room: Mile One Centre

**Poster Displays**
Room: TBD

**10:45 – 11:15**
**Beverage Break**
Room: Mile One Centre

**11:15 – 12:00**
**Track** Pediatric
**Refresher Course 5**
**PIERRE LIMOGES LECTURE: Adult Congenital Heart Disease**
Room: Salon CD
**Objectives:**
At the end of this session, participants will be able to:

- **Describe the changing demographics of this patient group.**

- **Identify the major pathophysiologic derangements encountered in adults with congenital heart disease.**

- **Determine the challenges likely to be experienced transitioning from pediatric to adult health care services for these patients.**

**Chair:** Dr Davinia Withington, McGill University, Montreal, QC  
**Presenter:** Dr Robert Seal*, University of Alberta, Edmonton, AB

**11:15 – 13:00**  
**Track:** Neuroanesthesia  
**Symposium 18**  
**SECTION EVENT:** Resuscitation of our Most Important Organ – the Brain  
**Room:** Salon F

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

- **Choose appropriate fluids for resuscitation of a patient with a traumatic brain injury.**

- **Discuss the rationale for transfusion of blood and blood products in a patient with traumatic brain injury.**

- **Manage blood glucose levels appropriately in a patient whose brain is at risk for ischemic injury.**

**Presenters:**  
Dr Shawn Hicks, Dalhousie University, Halifax, NS  
Dr Alexis Turgeon, Laval University, Quebec City, QC

**11:15 – 12:00**  
**Track:** Ambulatory  
**Refresher Course 6**  
**Patients with Sleep Disordered Breathing: Are They Suitable for Ambulatory Surgery?**  
**Room:** Salon A

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

- **Discuss the screening for patients with STOP-Bang questionnaire to determine which patients are suitable for ambulatory surgery.**

- **Weigh the merits of the protocol for the perioperative management of ambulatory patients with obstructive sleep apnea.**

- **Determine the optimal anesthetic techniques for patients with obstructive sleep apnea.**

**Presenters:**  
Dr Ramona Kearney, University of Alberta, Edmonton, AB  
Dr Viren Naik, University of Ottawa, Ottawa, ON

**Chair:** Dr Edwin Seet, Khoo Teck Puat Hospital, Alexandra Health Private Limited, Yishun, Singapore  
**Presenter:** Dr Frances Chung, University of Toronto, Toronto, ON

**11:15 – 13:00**  
**Track:** Anesthesia Assistants  
**Case Discussion 5**  
**SECTION EVENT:** The Use of Ultrasound in Airway Imaging  
**Room:** Salon G

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

- **Define the current understanding of ultrasound.**

- **Discuss the current pitfalls of endotracheal tube confirmation.**

- **Identify the current airway management procedures and techniques possibly improved with ultrasound.**

**Chair:** Mark Ratz, Winnipeg Regional Health Authority, University of Manitoba, Winnipeg, MB  
**Presenter:** Mark Ratz, Winnipeg Regional Health Authority, University of Manitoba, Winnipeg, MB

**11:15 – 12:00**  
**Refresher Course 10**  
**WFSA: Who Are We, What Do We Do and How Can You Get Involved?**  
**Room:** Brownsdale

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

- **Describe the areas in which the World Federation of Societies of Anaesthesiologists (WFSA) is directly involved.**

- **Discuss opportunities within the WFSA organization and programs aimed at improving global health.**
**Presenter:** Dr David Wilkinson, World Federation of Societies of Anaesthesiologists, London, United Kingdom

**12:00 – 13:00**
**Delegate Lunch**
*Room: Mile One Centre*

**13:00 – 13:45**
**Track: Ambulatory Refresher Course 7**
**ROSS C TERRELL LECTURE:** Anesthetic Research and ‘Esprit du Temps’: 160+ Years of Theorizing
*Room: Salon A*

**Objectives:**
At the end of this session, participants will be able to:
- **Describe the origins of theories of anesthetic action to Claude Bernard’s unified model.**
- **Explain how ‘Zeitgeist’ and interaction between scientific disciplines determine the dynamics of research into anesthetic mechanisms from the 19th – 21st century.**
- **Discuss the importance of implicit paradigms in shaping research enterprises.**
- **Discuss recent advances and the complexity of this research enterprise.**

**Chair:** Dr Atul Prabhu, University of Toronto, Toronto, ON

**Presenter:** Dr Misha Perouansky, University of Wisconsin, Madison, WI

**13:00 – 14:00**
**CAS Annual Business Meeting**
*Room: Sheraton Hotel, Salon A*

**14:00 – 14:15**
**Beverage Break**
*Room: Delta Hotel; SJCC – Marconi Hall*

**14:15 – 16:00**
**Track: Patient Safety Symposium 20**
**CAS IEF SYMPOSIUM: CAS IEF for Safer Obstetric Care**
*Room: Salon B*

**Objectives:**
At the end of this session, participants will be able to:
- **Describe the impact of worldwide maternal mortality and morbidity.**
- **Describe how a humanitarian organization can successfully provide safer obstetric care in low-income countries.**
- **Examine the role played by the Canadian Anesthesiologists’ Society International Education Foundation (CAS IEF) in Rwanda where a course on obstetric anesthesia has been organized.**

**Chair:** Dr Franco Carli, McGill University, Montreal, QC

**Presenters:**
Dr Faye Evans, Emory University, Atlanta, GA
Dr Dorothy Shaw, University of British Columbia, Vancouver, BC
Dr David Wilkinson, World Federation of Societies of Anaesthesiologists, London, United Kingdom

**14:15 – 16:00**
**Track: Regional and Acute Pain Symposium 21**
**Anesthesia for Lower Limb Surgery: Which Block Should I Do? – Which Analgesia Plan Should I Use for the Management of the Patient for a Total Knee Arthroplasty?**
*Room: Salon CD*

**Objectives:**
At the end of this session, participants will be able to:
- **Describe the different nerve blocks that can be used for lower limb surgeries.**
- **Formulate their own opinion as to which block is the best for lower limb anesthesia.**
- **Discuss the advantages and disadvantages of the continuous and the single shot femoral block.**
- **Discuss the advantages and disadvantages of the adductor canal block.**

**Chair:** Dr Shalini Dhir, Western University, London, ON

**Presenters:**
Dr Carlo Franco*, Rush University Medical Center, Chicago, IL
Dr Jeff Gadsden*, Columbia University College of Physicians and Surgeons, New York, NY

**All sessions are to take place at the Delta St John’s Hotel and Conference Centre and St John’s Convention Centre (SJCC) unless otherwise noted.**

Sun. June 15
14:15 – 16:00
Track: Perioperative
Workshop Non Ticketed 1
Evidence-Based Decision-Making, Health Technology Assessment, & Knowledge Translation for Anesthesia and Perioperative Medicine
Room: Brownsdale
Objectives:
At the end of this session, participants will be able to:
• Compare and contrast intuitive decision-making (bias-riddled) versus evidence-based decision-making (bias-minimized).
• Use tools and techniques for individual patient-level decision-making and for health policy-making.
• Determine how to navigate decision-making when existing evidence appears to be contradictory relevance to anesthesia and perioperative medicine (i.e., Transcatheter Aortic Valve Implantation (TAVI), Off Pump coronary artery bypass (OPCAB) surgery, (Erythropoietin) EPO preop, B spectral (BIS)/neuro-monitoring, pre-operative testing, colloids vs crystalloids).
• Identify specific ways that anesthesiologists can contribute to the growing field of health technology assessment and knowledge translation.

Leaders:
Dr Davy Cheng, Western University, London, ON
Dr Janet Martin, Western University, London, ON

Instructors:
Dr Davy Cheng, Western University, London, ON
Dr Janet Martin, Western University, London, ON

14:15 – 16:00
Track: Cardiovascular and Thoracic
Workshop Ticketed 7
FOCUSed Cardiac Ultrasound
Room: SJCC – Alcock
Objectives:
At the end of this session, participants will be able to:
• Perform a focused echocardiographic evaluation of a patient with undifferentiated shock.
• Conduct an echocardiographic evaluation of biventricular size and function.
• Conduct an echocardiographic assessment of cardiac valves, the pericardial cavity and the inferior vena cava.

Leader: Dr André Denault, University of Montreal, Montreal, QC

Instructors:
Dr Robert Chen, University of Toronto, Toronto, ON
Dr Massimiliano Meineri, University of Toronto, Toronto, ON
Dr Han Kim, University of Toronto, Toronto, ON
Dr Annette Vegas, University of Toronto, Toronto, ON
Dr Chidam Yegappan, Memorial University, St John’s, NL
Dr Geoff Zbitnew*, Memorial University, St John’s, NL

14:15 – 16:00
Track: Regional and Acute Pain
Workshop Ticketed 8
Ultrasound-Guided Regional Anesthesia – Basic Upper Limb
Room: SJCC – Brown
Objectives:
At the end of this session, participants will be able to:
• Discuss the ultrasonographic appearance of the brachial plexus at different locations.

Leaders:
Dr Davy Cheng, Western University, London, ON

Instructors:
Dr Davy Cheng, Western University, London, ON
Dr Janet Martin, Western University, London, ON

14:15 – 16:00
Track: Obstetric Anesthesia
Poster Discussion 6
Room: Cochrane

Co-chairs:
Dr Paloma Toledo, Northwestern University, Chicago, IL
Dr Clarita Margarido, University of Toronto, Toronto, ON

14:15 – 16:00
Track: Education and Simulation in Anesthesia
Poster Discussion 7
Room: Duckworth

Co-chairs:
Dr Kristina Khanduja, University of Toronto, Toronto, ON
Dr Peter Moliner, Sherbrooke University, Sherbrooke, QC

MONDAY, JUNE 16, 2014
06:30 – 16:00
Registration Open
Room: Delta Hotel Lobby

07:30 – 08:00
Delegate Continental Breakfast
Room: SJCC – Marconi Hall
**08:00 – 09:45**

**Track** Obstetric Anesthesia

**Symposium 22**

The Complex Parturient

Room: Salon CD

**Objectives:**

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

- Discuss and review the incidence, etiology and risk factors for antepartum and postpartum hemorrhage.
- Describe the evidence supporting anesthesia and obstetric management strategies.
- Discuss how to manifest, educate, and maintain an inter-professional team approach to obstetric hemorrhage.

**Chair:** Dr Ronald George, Dalhousie University, Halifax, NS

**Presenters:**

Dr Jillian Coolen*, Dalhousie University, Halifax, NS
Dr Andrée Sansregret, University of Montreal, Montreal, QC
Dr Paloma Toledo, Northwestern University, Chicago, IL

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**08:00 – 09:45**

**Track** Chronic Pain Management

**Workshop Ticketed 9**

US-Guided procedures in Chronic Pain: Section Annual Workshop

Room: SJCC – Alcock

**Objectives:**

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

- Identify specific anatomical structures involved in pain syndromes with the assistance of ultrasound (US).
- Determine why it is important to block certain structures with the assistance of US to control/diagnose chronic/acute pain problems.
- Describe the correct technique to access the targets with the US guidance.

**Leader:** Dr Collin Clarke*, Western University, London, ON

**Instructors:**

Dr Juan-Francisco Asenjo, McGill University, Montreal, QC
Dr Geoff Bellingham, Western University, London, ON
Dr Anuj Bhatia, University of Toronto, Toronto, ON
Dr Mauricio Forero, McMaster University, Hamilton, ON
Dr John Hanlon, University of Toronto, Toronto, ON

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**08:00 – 09:45**

**Track** Regional and Acute Pain

**Symposium 27**

Two Years in Review: Top Regional Anesthesia Papers of 2012 – 2014

Room: Salon A

**Objectives:**

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

- List and discuss important publications of clinical relevance to regional anesthesia published over the past two years.

**Presenters:**

Dr Shalini Dhir, Western University, London, ON
Dr Jennifer Szerb*, Dalhousie University, Halifax, NS

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**09:45 – 10:15**

**Beverage Break**

Room: Delta Hotel; SJCC – Marconi Hall

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**10:15 – 12:00**

**Track** Pediatric

**Symposium 23**

Advances in Pediatric Anesthesia – Best Papers of 2013

Room: Salon CD

**Objectives:**

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

- Identify papers that provide new information that may influence the practice of pediatric anesthesia.
- Describe an alternative approach to central vascular access in children and assess its role in their practice.
- Determine the impact of recent pediatric anesthesia literature

**Chair:** Dr Asoka Samarasena, Memorial University, St John’s, NL

**Presenters:**

Dr Peter Collins, Memorial University, St John’s, NL
Dr Tobias Everett, University of Toronto, Toronto, ON
Dr Marie-Andrée Girard, University of Montreal, Montreal, QC

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**10:15 – 12:00**

**Track** Perioperative

**Workshop Ticketed 10**

Bedside PICC Line Insertion

Room: SJCC – Brown

**Objectives:**

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

- Discuss the indication and contraindications to bedside peripherally inserted central catheter (PICC) line insertion.
- Explore different techniques for bedside PICC line insertion.
- Describe sono-anatomy of peripheral vein.

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**Residents’ Competition**

Room: Salon B

**Objectives:**

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

- Encourage scientific excellence in those physicians training in the specialty of anesthesia in Canada through presentations of current research.

**Co-chairs:**

Dr Davy Cheng, Western University, London, ON
Dr Pierre Fiset, McGill University, Montreal, QC

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All sessions are to take place at the Delta St John’s Hotel and Conference Centre and St John’s Convention Centre (SJCC) unless otherwise noted.

- Perform ultrasound-guided peripheral venous puncture.
- Utilize commercially available and blind PICC catheter placement techniques.

**Leader:** Dr Massimiliano Meineri, University of Toronto, Toronto, ON

**Instructors:**
Dr Clare Fielding, University of Toronto, Toronto, ON
Dr Adriaan van Rensburg, University of Toronto, Toronto, ON
Dr Marcin Wasowicz, University of Toronto, Toronto, ON

**10:15 – 12:00**

**Track** Cardiovascular and Thoracic

**Case Discussion 6**

**Perioperative Echo: Best Cases of the Year**

*Room: Salon A*

**Objectives:**
At the end of this session, participants will be able to:
- Describe ultrasound-based anatomy, physiology and pathology relevant to perioperative practice.
- Demonstrate the role of ultrasound diagnosis in the treatment of perioperative patients.
- Discuss the role of perioperative ultrasound evaluation in reviewing patient morbidity and mortality.

**Presenter:** Dr Robert Chen, University of Toronto, Toronto, ON

**10:15 – 12:00**

**Track** Obstetric Anesthesia

**Symposium 25**

**SECTION EVENT: Every Pregnant Woman For an Appendectomy Should Have a Regional Anesthetic**

*Room: Salon E*

**Objectives:**
At the end of this session, participants will be able to:
- Discuss the implications of fetal and pediatric neuroapoptosis.
- Explore the evidence of association between maternal anesthesia and fetal neuroapoptosis.
- Discuss anesthetic considerations for non-obstetric surgery during pregnancy.

**Chair:** Dr Ronald George, Dalhousie University, Halifax, NS

**Presenters:**
Dr Alison Macarthur, University of Toronto, Toronto, ON
Dr Paloma Toledo, Northwestern University, Chicago, IL

**13:00 – 13:45**

**Track** Research

**Symposium 24**

**CARF SYMPOSIUM – A Journey in Research: From Anesthesia Gadgets to Global Health**

*Room: Salon FG*

**Objectives:**
At the end of this session, participants will be able to:
- Describe the value of research support from CARF.
- Examine the challenges, failures and successes in clinical research.
- List new opportunities for anesthesia research with examples focused on patient safety.
- Describe the potential global impact of anesthesia research beyond anesthesia.

**Presenter:** Dr J Mark Ansermino*, University of British Columbia, Vancouver, BC

**13:00 – 13:45**

**Track** Perioperative

**Refresher Course 9**

**Top Perioperative Papers of the Year**

*Room: Salon BCD*

**Objectives:**
At the end of this session, participants will be able to:
- Identify the latest studies published in perioperative medicine.
- Describe the latest evidence from recent publications in perioperative medicine.
- Determine whether the level of evidence is adequate for them to apply the study findings into practice.

**Presenter:** Dr Homer Yang, University of Ottawa, Ottawa, ON

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**Mon. June 16**
All sessions are to take place at the Delta St John’s Hotel and Conference Centre and St John’s Convention Centre (SJCC) unless otherwise noted.

**14:00 – 15:00**  
**CAS Awards Ceremony**  
Room: Salon A  
**Note:** This is not an accredited CPD activity.

**15:00 – 15:15**  
**Beverage Break**  
Room: Delta Hotel; SJCC – Marconi Hall

**15:15 – 16:00**  
**Dr Angela Enright Lecture**  
The Road to Patient Safety  
Room: Salon A  
**Objectives:** TBD  
**Chair:** Dr Patricia Houston, President, Canadian Anesthesiologists’ Society  
**Presenter:** Dr Alan Merry*, The University of Auckland, Auckland, New Zealand
2014 FACULTY AND PLANNING COMMITTEE DISCLOSURES

Presenters listed in this program with an asterisk(*) next to their name have voluntarily acknowledged support from commercial firms for studies relating to their presentation, or their intent to discuss unlabeled use of any product or investigational products.

**J Mark Ansermino**
GE Medical: Consultant
LionsGate Technologies: Stockholder/Ownership Interest (excluding diversified mutual funds); Other Financial or Material Support; Founder, Director and minority share holder

**Elliott Bennett-Guerrero**
Haemonontics: Honorarium

**Lorraine Chow**

**Collin Clarke**
Pfizer: Speaker
Valiant: Speaker

**Jillian Coolen**

**Robin Cox**
Merck Canada: Speaker/Examiner Honorarium

**James Eisenach**
Adynxx: Consultant
Aero Biopharma: Consultant
Cubist Pharmaceuticals: Consultant

**Carlo Franco**
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Kimberly Clark: Consultant

**Jeff Gadsden**
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Novo Nordisk: Research Support

**Blaine Kent**
CSL Behring: Support for Multicentered clinical research trial
Fresenius Kabi: Member of advisory panel. Ongoing clinical research trial

**Mark Kostash**

**Kwesi Kwofie**
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**Claude Laflamme**
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Health Quality and Safety Commission: Other Financial or Material Support; Board Member
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**Patricia Morley-Forster**
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**Philip Peng**
Sonosite Canada: Equipment support, Equipment support

**Robert Seal**

**Jennifer Szerb**
Arrow: Grant/Research Support

**Jean Wong**
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**Geoff Zbitnew**
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