RESIDENTS’ COMPETITION

Co-chairs:
Dr Davy Cheng, Department of Anesthesia and Perioperative Medicine, Western University, London, ON
Dr Pierre Fiset, Department of Anesthesia, McGill University, Montreal, QC

Monday June 24
08:00 – 09:45
TELUS 104/105/106

CONCOURS DES RÉSIDENTS

Co-présidents :
Dr Davy Cheng, Département d’anesthésie et de médecine périopératoire, Université Western, London, ON
Dr Pierre Fiset, Département d’anesthésie, Université McGill, Montréal, QC

Lundi 24 juin
8 h à 9 h 45
TELUS 104/105/106

1647530 - TRANSVERSUS ABDOMINIS PLANE BLOCK: DOES VOLUME MAKE A DIFFERENCE?
Presenter: Andrew Heikkila, Anesthesia, McMaster University, Hamilton, ON
Co-author: Mauricio Forero

1651381 - FATTY EMULSION: RATS SURVIVE CLONIDINE & PROPRANOLOL OVERDOSE
Presenter: Kimberly Macala, Discipline of Anesthesia, Memorial University of Newfoundland, St. John's, NF
Co-author: Reza Tabrizchi

1652434 - A PROSPECTIVE, RANDOMIZED, SINGLE BLIND COMPARATIVE STUDY OF 3 DIFFERENT VOLUMES OF NORMAL SALINE FOR CONFIRMATION OF EPIDURAL CATHETER POSITIONING USING NEUROSTIMULATION
Presenter: Jasmin Charbonneau, Département d'anesthésiologie, Université de Sherbrooke, Sherbrooke, QC
Co-authors: Frédérick D’Aragon, Marie-Hélène Masse, Yanick Sansoucy, René Martin

1652978 - A RETROSPECTIVE ANALYSIS OF COAGULATION FOLLOWING CYTOREDUCTIVE SURGERY AND HYPERTHERMIC INTRAPERITONEAL CHEMOTHERAPY
Presenter: Heather Hurdle, Anesthesia, University of Calgary, Calgary, AB
Co-authors: Graeme Bishop, Elizabeth Oddone-Paloucci, Molly Shing, Lloyd Mack

1653608 - CEREBRAL DESATURATION IN CARDIAC SURGERY: THE IMPORTANCE OF THE ICU
Presenter: Roshan Raban, Department of Anesthesia & Perioperative Medicine, University of Manitoba; Faculty of Medicine, Winnipeg, MB
Co-authors: Benjamin Arenson, John R McVagh, Brett Hiebert, Rakesh C Arora, Hilary P Grocott

1653709 - EFFICACY OF METOPROLOL IN PREVENTING CARDIOVASCULAR COMPLICATIONS AND ALL-CAUSE MORTALITY IN EMERGENT SURGERIES
Presenter: Louise Sun, Anesthesiology, University of Ottawa, Guelph, ON
Co-authors: Homer Yang, George Wells, Philip J Devereaux, Salim Yusuf, Kate Leslie
RICHARD KNILL COMPETITION

Co-chairs:
Dr François Donati, Department of Anesthesiology, University of Montreal, Montreal, QC
Dr Donald Miller, Department of Anesthesia, University of Ottawa, Ottawa, ON

Monday June 24
10:15 – 12:00
TELUS 104/105/106

CONCOURS RICHARD-KNILL

Co-présidents :
Dr François Donati, Département d’anesthésiologie, Université de Montréal, Montréal, QC
Dr Donald Miller, Département d’anesthésie, Université d’Ottawa, Ottawa, ON

Lundi 24 juin
10 h 15 à 12 h
TELUS 104/105/106

1651722 - CELECOXIB FOR PEDIATRIC T&A: A DOUBLE BLINDED RCT
Presenter: Kimmo Murto, Clinical Research Unit, Children’s Hospital of Eastern Ontario Research Institute, Ottawa, ON
Co-authors: Christine Lamontagne, Johnna MacCormick, Kelly-Ann Ramakko, David Rosen, Colleen Daly, Mary Aglipay, Regis Vaillancourt

1652221 - PROPOSING FORMAL DIAGNOSTIC CRITERIA FOR POST-EPIDURAL PDPH
SPONSORED BY CARF / COMMANDITE PAR LA FCRA
Presenter: Pamela Angle, Department of Anesthesia, Sunnybrook Health Sciences Centre, Toronto, ON
Co-authors: Joanne Douglas, Christine Lay, Marek Gawel, Jean Kronberg, Patricia Morley-Forster, Ronald B George, Dolores McKeen, Roanne Preston, Indu Singh, Stephen Halpern, Shalini Dhir, Jasmine Djordjevic, Mary Jo Ricci, Alex Kiss

1652406 - INHIBITION OF ACETAMINOPHEN ANALGESIC ACTION BY ONDANSETRON AFTER AMYGDALECTOMY IN CHILDREN: THE PARATRON RANDOMIZED TRIAL.
Presenter: Pierre Beaulieu, Anesthesiology & Pharmacology, Faculty of Medicine, Montreal, QC
Co-authors: Lucie Ramirez, Jérome Cros, Patrice Boulogne, Nathalie Nathan-Denizot

1653425 - CARBETOCIN AT ELECTIVE CESAREAN DELIVERY: A RANDOMIZED CONTROLLED TRIAL TO DETERMINE THE EFFECTIVE DOSE, PART 3-FINAL
Presenter: Jose Carvalho, Department of Anesthesia and Pain Management, Mount Sinai Hospital, University of Toronto, Toronto, ON
Co-authors: Mubeen Khan, Iram Ahmed, Mrinalini Balki, Dan Farine, Gareth Seaward

1653520 - GLYCOSYLATED HEMOGLOBIN SCREENING FOR ELECTIVE SURGICAL PATIENTS
Presenter: Yuri Koumpan, Anesthesiology and Perioperative Medicine, Queen's University, Kingston, ON
Co-authors: Elizabeth Vandenkerkhof, Janet M van Vlymen

1653570 - INCIDENCE AND SEVERITY OF RESIDUAL NEUROMUSCULAR BLOCKADE IN CANADA THE FINAL RESULTS OF THE RECITE STUDY: A PROSPECTIVE, MULTICENTER, OBSERVATIONAL STUDY.
Presenter: Louis-Philippe Fortier, Hopital Maisonneuve-Rosemont, Montreal, QC
Co-authors: Dolores McKeen, Kim E Turner, Brian Warriner, Étienne De Médicis, Alan J Chaput, Philip Jones, Robin Curtis, Jean-Francois Pouliot, Andre Galarneau
POSTER DISCUSSION 1
Patient Safety

Chair: Dr Daniel Chartrand, Department of Anesthesia, McGill University, Montreal, QC

Sunday June 23
09:00 – 10:45
Chinook 1

1635450 - IMPROVING CLINICAL PERFORMANCE USING REHEARSAL AND WARM-UP: A SYSTEMATIC REVIEW OF RANDOMIZED AND OBSERVATIONAL STUDIES
Presenter: James O'Leary, Department of Anesthesia and Pain Medicine, The Hospital for Sick Children, Toronto, ON
Co-authors: Owen O'Sullivan, Paul Barach, George D Shorten

1646499 - OBSTRUCTIVE SLEEP APNEA AND POSTOPERATIVE COMPLICATIONS
Presenter: Thomas Mutter, University of Manitoba, Winnipeg, MB
Co-authors: Dan Chateau, Michael Moffatt, Clare Ramsey, Leslie Roos, Meir Kryger

1651920 - THE IMPACT OF SHORTAGES ON DRUG UTILIZATION AND OUTCOME
Presenter: Gregory Bryson, Anesthesiology, The Ottawa Hospital, Ottawa, ON
Co-authors: Alan D Baxter, Alan J Chaput, Christopher L Pysyk, Alan J Forster

1652475 - IMPROVING THE DOCUMENTATION OF CENTRAL VENOUS CATHETERS USING A QUALITY IMPROVEMENT APPROACH.
Presenter: Paul Korchinski, Anesthesiology, University of Saskatchewan, Saskatoon, SK
Co-author: Joann Kawchuk

1653032 - THE STERILITY OF PHENYLEPHERINE HYDROCHLORIDE SOLUTIONS AS PREPARED BY ANESTHESIOLOGISTS
Presenter: Shahdi Henein, University of Calgary, Calgary, AB
Co-authors: Alexander J Gregory, Jan Davies
### POSTER DISCUSSION 2
#### Pediatric

**Co-chairs:**
- Dr Mark Crawford, Department of Anesthesia, University of Toronto, Toronto, ON
- Dr Jon Gamble, Department of Anesthesiology and Pain Medicine, University of Saskatchewan, Saskatoon, SK

**Sunday June 23**
- 09:00 – 10:45
- Chinook 4

1617577 - PONV GUIDELINES COMPLIANCE IN PEDIATRIC STRABISMUS SURGERY  
**Presenter:** Kevin Yee, Department of Anesthesia, Alberta Children’s Hospital, Calgary, AB  
**Co-author:** Robin Cox

1621832 - TRACHEAL PALPATION TO GUIDE ENDOTRACHEAL TUBE DEPTH IN PEDIATRICS  
**Presenter:** Jonathan Gamble, Department of Anesthesiology, Perioperative Medicine and Pain Management, University of Saskatchewan, Saskatoon, SK  
**Co-authors:** William P McKay, Jennifer M O'Brien, Andrew Wang, Kinsha Yip, Mateen Raazi, Chris Plewes

1625324 - A CANADIAN ANESTHESIA PRACTICE SURVEY OF IDIOPATHIC SCOLIOSIS REPAIR  
**Presenter:** Jonathan Gamble, Department of Anesthesiology, Perioperative Medicine and Pain Management, University of Saskatchewan, Saskatoon, SK  
**Co-authors:** Mateen Raazi, Robert Perverseff

1629452 - SYSTEMATIC REVIEW AND META-ANALYSIS: IMPACT OF 4 CHILDHOOD ILLNESSES ON I.Q.  
**Presenter:** Joanna Moser, Anesthesia, University of Calgary, Calgary, AB  
**Co-authors:** Debbie McAllister, Pamela Veale, David Archer

1634728 - PANDA: EVALUATION OF A SMARTPHONE-BASED PERI-OPERATIVE PAIN ASSESSMENT TOOL  
**Presenter:** Terri Sun, Faculty of Medicine, University of British Columbia, Richmond, BC  
**Co-authors:** Nicholas West, Mark Ansermino, Carolyne J Montgomery, Dorothy Myers, Carl L von Baeyer, Gillian Lauder

1637149 - NALOXONE ADMIXTURE FOR PREVENTION OF OPIOID-INDUCED PRURITUS  
**SPONSORED BY CARF / COMMANDITE PAR LA FCRA**  
**Presenter:** Nicholas West, Anesthesia, Pharmacology and Therapeutics, University of British Columbia, Vancouver, BC  
**Co-authors:** Gillian Lauder, Roxane Carr, Karen Leung, Mark Ansermino

1652641 - COMPARATIVE STUDY OF CAUDAL BUPIVACAINE AND BUPIVACAINE WITH NEOSTIGMINE FOR POST OPERATIVE ANALGESIA IN PEDiATRIC PATIENT  
**Presenter:** Tumul Chowdhury, Anaesthesiology, Health Sciences Center, University of Manitoba, Winnipeg, MB  
**Co-author:** Sachidanand Bharati

1652883 - POSTOPERATIVE NAUSEA AND VOMITING IN CHILDREN UNDERGOING RADIOFREQUENCY CATHERTER ABLATION: A REVIEW OF 614 PATIENTS  
**Presenter:** Alka Kaushal, Department of Anesthesia and Pain Medicine, The Hospital for Sick Children, Toronto, ON  
**Co-authors:** Michael O’ Sullivan, Carolyne Pehora, Conor McDonnell
1653641 - POPULATION PHARMACOKINETICS PROFILE OF BUPIVACAINE FOLLOWING A UNILATERAL TRANSVERSUS ABDOMINIS BLOCK IN CHILDREN
Presenter: Clyde Matava, Hospital for Sick Children Toronto, Toronto, ON
Co-author: Jason Hayes
### POSTER DISCUSSION 3
#### Obstetric

**Co-chairs:**
- Dr Clarita Margarido, Department of Anesthesia, University of Toronto, Toronto, ON
- Dr Dolores McKeen, Department of Anesthesia, Dalhousie University, Halifax, NS

**Sunday June 23**
14:15 – 16:00
Chinook 1

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#### 1650597 - MICROCIRCULATION IN PREGNANT WOMEN BEFORE AND AFTER EPIDURAL
Presenter: Jaclyn DesRoches, Women's & Obstetric Anesthesia, IWK Health Centre, Halifax, NS
Co-authors: Ronald B George, Islam Saleh Abdo, Christian Lehmann

#### 1652356 - CHRONIC PAIN IN THE OBSTETRIC POPULATION: A SYSTEMATIC REVIEW
Presenter: Clarita Margarido, Department of Anesthesia, Sunnybrook Hospital, Toronto, ON
Co-authors: Ehtesham Baig, Ranvir Singh, Colin McCartney, Stephen Halpern

#### 1653420 - ANESTHETIC MANAGEMENT OF WOMEN WITH INVASIVE PLACENTATION: A REVIEW OF 55 CASES.
Presenter: Nhathien Nguyen-Lu, Department of Anesthesia and Pain Management, Mount Sinai Hospital, University of Toronto, Toronto, ON
Co-authors: Jose Carvalho, John Kingdom, Rory Windrim, Lisa Allen, Mrinalini Balki

#### 1653492 - LONGITUDINAL MATERNAL RISK ASSESSMENT FOR SEVERE EARLY-ONSET PREECLAMPSIA
Presenter: Jose Carvalho, Department Anesthesia and Pain Management, Mount Sinai Hospital, University of Toronto, Toronto, ON
Co-authors: Anne Doherty, John Kingdom, Sascha Drewlo, Afif El Khuffash, Kristi Downey

#### 1653567 - ANALGESIA FOR SECOND TRIMESTER TERMINATION OF PREGNANCY: A RANDOMIZED CONTROLLED TRIAL OF INTRAVENOUS VERSUS EPIDURAL PATIENT CONTROLLED ANALGESIA.
Presenter: Jose Carvalho, Department Anesthesia and Pain Management, Mount Sinai Hospital, University of Toronto, Toronto, ON
Co-authors: Rebecca Smith, Tamara Henderson, Kristi Downey, Naveed Siddiqui, James Teresi

#### 1653618 - CONTROVERSIES BETWEEN ANESTHESIOLOGISTS AND OBSTETRICIANS ON THE LABOR WARD: A DELPHI TECHNIQUE-BASED CONSENSUS.
Presenter: Nhathien Nguyen-Lu, Department Anesthesia and Pain Management, Mount Sinai Hospital, University of Toronto, Toronto, ON
Co-authors: Kristi Downey, Jose Carvalho

#### 1653630 - CARBETOCIN AT CESAREAN DELIVERY FOR LABOR ARREST: A RANDOMISED CONTROLLED TRIAL TO DETERMINE ED90.
Presenter: Nhathien Nguyen-Lu, Department Anesthesia and Pain Management, Mount Sinai Hospital, University of Toronto, Toronto, ON
Co-authors: Jose Carvalho, Dan Farine, Gareth Seaward, Kristi Downey, Mrinalini Balki

#### 1653668 - SENSORY BLOCK DURING CSE IN LABOR: DOSE AND DURAL SAC INFLUENCE
Presenter: Cristian Arzola, Department Anesthesia and Pain Management, Mount Sinai Hospital, University of Toronto, Toronto, ON
Co-authors: Rebecca Smith, Mrinalini Balki, Jose Carvalho
POSTER DISCUSSION 4  
Cardiovascular and Thoracic

Co-chairs:
Dr Blaine Kent, Department of Anesthesia, Dalhousie University, Halifax, NS
Dr Jason Taam, Department of Anesthesiology and Pain Medicine, University of Alberta, Edmonton, AB

Sunday June 23  
14:15 – 16:00  
Chinook 4

1596512 - ISOLATED LUNG COLLAPSE IN TWO STAGES WITH BRONCHIAL BLOCKER: EQUIVALENT TO DOUBLE-LUMEN TUBE?
Presenter: Jean Bussières, Anesthesiology, Institut universitaire de cardiologie et de pneumologie de Québec, Quebec, QC
Co-authors: José Luis Carrasco del Castillo, Jérôme Lemieux, Jacques Somma, Nathalie Gagné

1625837 - LEVOSIMENDAN FOR HEART FAILURE AND CARDIAC SURGERY: A META-ANALYSIS
Presenter: Eric Wong, Department of Anesthesia & Perioperative Medicine, London Health Sciences Centre-University Hospital, University of Western Ontario, London, ON
Co-authors: Janet Martin, Jie-Yu Fang, Daniel Bainbridge, Davy C Cheng

1630731 - EARLY MORBIDITY AND MORTALITY ASSOCIATED WITH THORACIC ENDOVASCULAR AORTIC REPAIR (TEVAR) AT A TERTIARY CARE CENTRE
Presenter: Graeme Bishop, University of Ottawa, Ottawa, ON
Co-author: Ashraf Fayad

1652811 - THORACIC EPIDURAL ANALGESIA INCREASES PERIOPERATIVE MI IN PATIENTS UNDERGOING OPEN ABDOMINAL AORTIC SURGERY
Presenter: Gary Dobson, Anesthesiology, University of Calgary, Calgary, AB
Co-authors: Reuben Eng, Michelle Lohman, Fabiana Gordon

1652892 - PROXIMAL AORTIC COMPLIANCE BASED ON SPECKLE TRACKING IMAGING AND ITS EFFECT ON AORTIC IMPEDANCE.
Presenter: Alexander Gregory, Department of Anesthesia and Critical Care, University of Pennsylvania, Philadelphia, PA, USA
Co-authors: Randy D Moore, Neal Maher, Marelise Kruger, Gary Dobson

1653109 - A RAPID RECOVERY PATHWAY FOR CABG SURGERY: ONE INSTITUTIONAL EXPERIENCE
Presenter: Harman Parhar, Anesthesiology and Perioperative Medicine, Royal Columbian Hospital, New Westminster, BC
Co-authors: Jocelyn Reimer-Kent, Richard N Merchant

1653704 - DYNAMIC ANNULAR GEOMETRY OF RIGID VS. SELECTIVELY FLEXIBLE MITRAL ANNULOPLASTY RINGS
Presenter: Han Kim, Anesthesia, St. Michael's Hospital, Toronto, ON
Co-authors: Remco Bergman, Kamal Khabbaz, Feroze Mahmood
### POSTER DISCUSSION 5
Regional and Acute Pain

**Co-chairs:**  
Dr Shalini Dhir, Department of Anesthesia and Perioperative Medicine, Western University, London, ON  
Dr Marie-Josée Nadeau, Department of Anesthesiology, Laval University, Quebec City, QC

**Monday June 24**  
08:00 – 09:45  
Chinook 1

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1599253 - PREDICTION OF THE DEPTH OF THE HIGH THORACIC EPIDURAL SPACE BY CT SCAN  
**Presenter:** Ann Merah, Anesthesia, University of Calgary, Calgary, AB  
**Co-authors:** Michael Beriault, Andrew Walker, William Morrish

1625407 - THORACIC EPIDURAL INSERTION VIA A LUMBAR APPROACH IN A PORCINE MODEL  
**Presenter:** Jonathan Gamble, Department of Anesthesiology, Perioperative Medicine and Pain Management, University of Saskatchewan, Saskatoon, SK  
**Co-authors:** Barbara Ambros, Patrick Seguin, Perrine Benmansour, Elemir Simko

1627683 - COMPARISON OF THREE BLOCKS REGIMENS FOR POSTOPERATIVE ANALGESIA IN AMBULATORY SHOULDER SURGERY: A DOUBLE-BLINDED PROSPECTIVE RANDOMISED PILOT STUDY  
**Presenter:** Meggie Raymond, Department of Anesthesiology, Centre hospitalier universitaire de Sherbrooke, Université de Sherbrooke, Sherbrooke, QC  
**Co-authors:** Étienne De Médicis, Jean-Pierre Tétrault, Véronique Gagnon, Marie-Hélène Masse, Frédéric Balg, Stéphane Ricard, Frédéric Mior

1646569 - CINNAMALDEHYDE PROLONGS CUTANEOUS ANALGESIA OF LOCAL ANESTHETICS IN RATS  
**Presenter:** Yu-Chun Hung, Anesthesiology, Mackay Memorial Hospital, Taipei, Taiwan  
**Co-authors:** Chiao-Yi Lin, Chien-Chuan Chen, Jen-Kun Cheng

1647781 - PARAVERTEBRAL BLOCKS FOR AMBULATORY BREAST TUMOUR RESECTION: EFFECTS OF AN INHALATIONAL GAS- AND OPIOID-FREE ANESTHETIC ON THE QUALITY OF RECOVERY. RANDOMIZED CONTROLLED TRIAL  
**Presenter:** Faraj Abdallah, Anesthesiology, University of Toronto, Toronto, ON  
**Co-authors:** Pamela J Morgan, Tulin Cil, Andrew McNaught, Jaime Escalon, John Semple, Vincent W Chan

1650712 - CAN ULTRASOUND GUIDANCE REDUCE THE VOLUME AND CONCENTRATION OF LOCAL ANESTHETICS FOR SUCCESSFUL INTERSCALENE BRACHIAL PLEXUS BLOCK? A SYSTEMATIC REVIEW  
**Presenter:** Moein Tavakkoli zadeh, Department of Anesthesia, Sunnybrook Health Sciences Centre, Toronto, ON  
**Co-authors:** Clarita Margarido, Colin McCartney, Jing Wang
**POSTER DISCUSSION 6**
**Education and Simulation in Anesthesia**

Co-chairs:
Dr Jordan Tarshis, Department of Anesthesia, University of Toronto, Toronto, ON

Dr Kristina Khanduja, Department of Anesthesia, University of Toronto, Toronto, ON

Monday June 24
08:00 – 09:45
Chinook 4

**DISCUSSION DES AFFICHES 6**
**Éducation et simulation en anesthésie**

Co-présidents :
Dr Jordan Tarshis, Département d’anesthésie, Université de Toronto, Toronto, ON

Dr Kristina Khanduja, Département d’anesthésie, Université de Toronto, Toronto, ON

Lundi 24 juin
8 h à 9 h 45
Chinook 4

1629377 - **THE MANAGING EMERGENCIES IN PEDIATRIC ANESTHESIA (MEPA) GLOBAL RATING SCALE IS A RELIABLE TOOL FOR ASSESSMENT IN PEDIATRIC ANESTHESIA CRISIS MANAGEMENT: A PILOT STUDY**
Presenter: Tobias Everett, Department of Anesthesia, The Hospital for Sick Children, University of Toronto, Toronto, ON
Co-authors: Elaine Ng, Daniel Power, Christopher Marsh, Stephen Tolchard, Anna Shadrina, Dylan Bould

1648798 - **PSYCHOMOTOR READINESS OF BEGINNER ECHOCARDIOGRAPHERS “PROBE”**
Presenter: Viren Naik, University of Ottawa, Ottawa, ON
Co-authors: Christopher Hudson, Jordan Hudson, Glenn Posner, Benjamin Sohmer

1649564 - **SURVEY OF ANESTHESIA RESIDENTS AS TEACHERS TRAINING ACTIVITIES**
Presenter: Zoe Unger, Anesthesia, University of Toronto, Toronto, ON
Co-author: Megan Hayter

1650681 - **SIMULATION IN ANESTHESIOLOGY: A SYSTEMATIC REVIEW AND META-ANALYSIS**
Presenter: Gianni Lorello, Department of Anaesthesiology, University of Toronto, Toronto, ON
Co-authors: David A Cook, Rebecca L Johnson, Ryan Brydges

1653471 - **CURRENT PERCEPTIONS FOR SIMULATION BASED EDUCATION**
Presenter: Alexandra Beckingsale, Anesthesiology, St Michael’s Hospital, Toronto, ON
Co-authors: Zeve Friedman, Deven Chandra, Georges Savoldelli, Viren Naik, Megan Hayter

1653493 - **PRE-PROCEDURAL ULTRASOUND DOES NOT DECREASE THE NUMBER OF ATTEMPTS IN TRAINEES PERFORMING INTRATHECAL ANESTHETIC FOR OBSTETRIC PATIENTS: A RCT**
Presenter: Timothy Turkstra, Western University, London, ON
Co-authors: Kristine Marmai, Indu Singh, Kevin Armstrong, Kamal Kumar

1653632 - **MEASUREMENT OF ACCURACY IN TRANSESOPHAGEAL ECHOCARDIOGRAPHY BY SIMULATION**
Presenter: Han Kim, Anesthesia, St. Michael’s Hospital, Toronto, ON
Co-authors: Robina Matyal, Feroze Mahmood

1653662 - **WORKPLACE-BASED ASSESSMENT IN CANADIAN ANESTHESIOLOGY RESIDENCIES**
Presenter: Sylvain Boet, Anesthesiology, The Ottawa Hospital, University of Ottawa, Ottawa, ON
Co-authors: Nicole Riem, Mark Levine, Walter T Tavares, Dylan Bould

1653689 - **LEARNING CRISIS MANAGEMENT: PRACTICING VERSUS OBSERVING**
Presenter: Sylvain Boet, Anesthesiology, The Ottawa Hospital, University of Ottawa, Ottawa, ON
Co-authors: Tobias Everett, Mark Gale, Anita Lai, Alexis Haligua, Dylan Bould
| POSTER DISCUSSION 7 Ambulatory                                                                 |
| Co-chairs:                                                                                     |
| Dr Atul Prabhu, Department of Anesthesia, University of Toronto, Toronto, ON                    |
| Dr Jean Wong, Department of Anesthesia, University of Toronto, Toronto, ON                      |
| Monday June 24                                  | DISCUSSION DES AFFICHES 7 Ambulatoire                                                          |
| 08:00 – 09:45                                  | Co-présidents :                                                                               |
| Chinook 3                                      | Dr Atul Prabhu, Département d’anesthésie, Université de Toronto, Toronto, ON                   |
|                                               | Dr Jean Wong, Département d’anesthésie, Université de Toronto, Toronto, ON                     |
|                                               | Lundi 24 juin                                  | 8 h à 9 h 45                                   |
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1609896 - THE CLINICAL EFFICACY AND SAFETY OF PROPOFOL- REMIFENTANIL TIVA IN INFANT DAY SURGERY
A COMPARISON WITH GOS ANESTHESIA VIA SPONTANEOUS VENTILATION
Presenter: Yoshie Toba, Seirei Hamamatsu Hospital, Hamamatsu city, Japan
Co-author: Soutaro Kokbo

1625814 - PROPOFOL INDUCTION: BIS VS LEAN BODY WEIGHT FOR MORBID OBESE
Presenter: Waleed Riad Soliman, Anesthesia, Toronto Western Hospital, Toronto, ON
Co-authors: Jean Wong, Raviraj Raveendran, David T Wong, Frances Chung

1646382 - PERIOPERATIVE CARE OF ELDERLY AMBULATORY SURGERY PATIENTS IN THE USA
Presenter: Daniel McIsaac, Anesthesiology, University of Ottawa, Ottawa, ON
Co-author: Gregory L Bryson

1651982 - PATIENT AND CAREGIVER EXPERIENCE AFTER AMBULATORY SURGERY
SPONSORED BY CARF / COMMANDITÉ PAR LA FCRA
Presenter: Gregory L Bryson, Anesthesiology, University of Ottawa, Ottawa, ON
Co-authors: Christopher Mercer, Lara Varpio

1653556 - VALIDATION OF THE ASA OSA PREDICTION TOOL IN CHILDREN
Presenter: Kimmo Murto, Clinical Research Unit, Children’s Hospital of Eastern Ontario Research Institute, Ottawa, ON
Co-authors: Sherri Katz, Carol L Bradbury, Kelly-Ann Ramakko, Nick Barrowman, Gregory L Bryson
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## POSTER DISCUSSION 8
Pain: Acute – Basic & Clinical and Pain: Clinical & Chronic

Chair: Dr Timur Ozelsel, Department of Anesthesiology and Pain Medicine, University of Alberta, Edmonton, AB

Monday June 24
10:15 – 12:00
Chinook 1

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<td>Jae Chan Choi</td>
<td>Department of Anesthesiology and Pain Medicine, Brain Research Group, Yonsei University Wonju College of Medicine, Wonju, Kwangwon-Do, Korea, Republic of.</td>
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<td>1623101 - META-ANALYSIS: EPIDURAL OPIOIDS FOR POSTOPERATIVE ANALGESIA</td>
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<td>Michael G. DeGroote School of Medicine, McMaster University, Hamilton, ON</td>
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<td>1636976 - OUTCOMES OF A GROUP PAIN SELF-MANAGEMENT PROGRAM 2007-2011</td>
<td>Alexander Clark</td>
<td>Department of Anesthesia, Pain Management and Perioperative Medicine, Dalhousie University, Halifax, NS</td>
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<td>Douglas Cane, Mary E Lynch, Darlene Davis</td>
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<td>1650609 - PREGABALIN FOR ACUTE POSTOPERATIVE PAIN- A SYSTEMATIC REVIEW AND META-ANALYSIS OF RANDOMIZED CONTROLLED TRIALS.</td>
<td>Naveen Eipe</td>
<td>The Ottawa Hospital, Ottawa, ON</td>
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<td>John Penning, Mohammed Ansari, Fatemeh Yazdi, Lucy Turner</td>
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<td>Naveen Eipe</td>
<td>The Ottawa Hospital, Ottawa, ON</td>
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<td>James Khan</td>
<td>Anesthesia, University of Toronto, Toronto, ON</td>
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<td>Qutaiba Tawfic</td>
<td>The Ottawa Hospital, Ottawa, ON</td>
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<td>1652580 - A META-ANALYSIS ON THE CLINICAL EFFECTIVENESS OF SUPERFICIAL CERVICAL PLEXUS BLOCKS AFTER THYROID SURGERY</td>
<td>Katsushi Doi</td>
<td>Anesthesiology, Hamada Medical Center, Hamada, Shimane, Japan</td>
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<td>Hiroshi Hoshijima, Norifumi Kuratani, Yasue Kashiwagi</td>
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<td>1652827 - FIVE YEARS OF PERI-OPERATIVE OPIOID USE AT A TERTIARY CARE CENTRE</td>
<td>Peter MacDougall</td>
<td>Anesthesiology, Pain Management and Peri-operative Medicine, Dalhousie University, Halifax, NS</td>
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<td>Paul Brousseau, Andrew D Milne</td>
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<td>1653043 - KETAMINE PLUS MORPHINE FOR PATIENT CONTROLLED ANALGESIA: A META-ANALYSIS</td>
<td>Janet Martin</td>
<td>EPICOR Group, MEDICI Centre, Department of Anesthesia &amp; Perioperative Medicine, University of Western Ontario, London, ON</td>
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<td>Li Wang, Bradley Johnston, Alka Kaushal, Davy C Cheng</td>
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POSTER DISCUSSION 9
Neuroanesthesia and Critical Care Medicine and Trauma
Chair: Dr David Archer, Department of Anesthesia, University of Calgary, Calgary, AB
Monday June 24
10:15 – 12:00
Chinook 4

1618789 - HYPERNATREMIA IN PATIENTS WITH TBI: A SYSTEMATIC REVIEW
Presenter: Donald Griesdale, Medicine, Division of Critical Care Medicine, University of British Columbia, Vancouver, BC
Co-authors: Leif Kolmodin, William Henderson, Alexis F Turgeon

1649117 - WITHDRAWAL OF LIFE-SUSTAINING THERAPIES IN SEVERE TRAUMATIC BRAIN INJURY
Presenter: Guillaume Leblanc, Department of Anesthesiology, Division of Critical Care Medicine, Université Laval, Québec, QC
Co-authors: Amélie Boutin, François Lauzier, Véronique Potvin, Lynne Moore, Ryan Zarychanski, Patrick Archambault, François Lamontagne, Alexis F Turgeon

1651537 - PERIOPERATIVE MANAGEMENT OF PATIENTS WITH SLEEP APNEA UNDERGOING TRANSSPHENOIDAL SURGERY
Presenter: Ramamani Mariappan, Department of Anesthesia, Toronto Western Hospital, University Health Network, University of Toronto, Toronto, ON
Co-authors: Suresh Tharmaradinam, Eiman Rahimi, Pirjo Manninen, Lashmi Venkatraghavan

1652181 - DEXMEDETOMIDINE FOR AWAKE CRANIOTOMY IN COMPLEX PATIENTS
Presenter: Marco Garavaglia, Anesthesia, St. Michael's Hospital - University of Toronto, Toronto, ON
Co-authors: Andrea Rigamonti, Michael Cusimano, Charmagne Crescini, David Mazer, Greg Hare, Sunit Das

1652207 - HYPERLACTATEMIA DURING CRANIOTOMY: EVIDENCE OF MUSCLE HYPOPERFUSION?
Presenter: Marco Garavaglia, Anesthesia, St. Michael's Hospital - University of Toronto, Toronto, ON
Co-authors: Mak H Timothy, Michael Cusimano, Andrea Rigamonti, Charmagne Crescini, Victoria McCredie, Alexander Romaschin, Andrew Baker, Greg Hare

1652781 - CEREBROVASCULAR CO2 REACTIVITY UNDER PROPOFOL: A SYSTEMATIC REVIEW
Presenter: Lashmi Venkatraghavan, Department of Anesthesia, Toronto Western Hospital, Toronto, ON
Co-authors: Ramamani Mariappan, Jigesh Mehta

1652923 - CEREBROVASCULAR REACTIVITY TO CO2 UNDER ANESTHESIA: A SYSTEMATIC REVIEW
Presenter: Ramamani Mariappan, Department of Anesthesia, Toronto Western Hospital, Toronto, ON
Co-authors: Jigesh Mehta, Lashmi Venkatraghavan

1653026 - DEXMEDETOMIDINE FOR CRANIOTOMY: A META-ANALYSIS
Presenter: Li Wang, EPICOR Group, MEDICI Centre, Department of Anesthesia & Perioperative Medicine, University of Western Ontario, London, ON
Co-authors: Janet Martin, Miguel Arango, Davy C Cheng

1653717 - LONG-TERM FUNCTIONAL OUTCOME IN ADULTS WITH SEVERE TBI
Presenter: Mathieu Asselin, Université Laval, Québec, QC
Co-authors: Yves Lemay Lachance, Geneviève Lalonde, Amélie Boutin, Michèle Shemilt, Lynne Moore, François Lauzier, Ryan Zarychanski, Patrick Archambault, François Lamontagne, Dean Fergusson, Alexis F Turgeon
### POSTER DISCUSSION 10

**Airway Management**

**Chair:** Dr Orlando Hung, Department of Anesthesia, Pain Management and Perioperative Medicine, Dalhousie University, Halifax, NS  
Monday June 24  
10:15 – 12:00  
Chinook 3

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**1626780 - UPPER AIRWAY ANESTHESIA EFFECT ON PHARYNGEAL CROSS-SECTIONAL AREA IN THE MORBIDLY OBESE**  
Presenter: Christelle Poulin-Harnois, Anesthesiology, Royal Victoria Hospital (MUHC), Montreal, QC  
Co-author: Steven B Backman

**1629656 - AIRWAY COMPLICATIONS IN OCCIPITOCERVICAL FUSION**  
Presenter: Rebecca Moga, Department of Anesthesiology, University Health Network, Toronto Western Hospital, Toronto, Ontario, ON  
Co-author: Lashmi Venkatraghavan

**1634311 - INFLUENCE OF GLIDESCOPE ASSISTED INTUBATION ON INTRAOCULAR PRESSURE**  
Presenter: Nauman Ahmad, Anesthesia, King Khaled Eye Specialist Hospital, Riyadh, Saudi Arabia  
Co-authors: Abdul Zahoor, Saeed A Motowa, Waleed Riad

**1650628 - A NOVEL AIRWAY RESCUE TECHNIQUE: CAMERA-IN-TUBE INTUBATION THROUGH A SUPRAGLOTTIC AIRWAY**  
Presenter: Naveen Eipe, The Ottawa Hospital, Ottawa, ON  
Co-authors: Eric Koopman, Dick V Groeningen, Johannes M Huitink, Anna Craenen

**1652223 - THE ACCURACY OF CRICOThYROID MEMBRANE IDENTIFICATION BY PALPATION**  
Presenter: Jinbin Zhang, Anesthesia, QE II Health Sciences Centre, Halifax, NS  
Co-authors: Austin Lamb, Orlando Hung, Bruce Flemming, Tim Mullen, Mary B Bissell

**1652860 - ADVANCED AIRWAY TRAINING IN CANADIAN ANESTHESIA RESIDENCY PROGRAMS**  
Presenter: Jinbin Zhang, Anesthesia, QE II Health Sciences Centre, Halifax, NS  
Co-authors: Mary B Bissell, Orlando Hung

**1653004 - DEXMEDETOMIDINE FOR AWAKE FIBREOPTIC INTUBATION: A META-ANALYSIS**  
Presenter: Li Wang, EPICOR Group, MEDICI Centre, Department of Anesthesia & Perioperative Medicine, University of Western Ontario, London, ON  
Co-authors: Janet Martin, Miguel Arango, Chris Harle, Davy C Cheng
POSTER DISPLAY 1
Saturday June 22
09:45 – 16:00
Exhibition Hall C/D/X

EXPOSITION DES AFFICHES 1
Samedi 22 juin
9 h 45 à 16 h
Salle d'exposition C/D/X

1610508 - POSITIVE-PRESSURE VENTILATION DURING TRANSPORT: A RANDOMIZED CROSSOVER STUDY OF SELF-INFLATING AND FLOW-INFLATING RESUSCITATORS
Presenter: Malcolm Lucy, Anesthesia, University of Saskatchewan, Saskatoon, SK
Co-author: Jonathan Gamble

1628001 - LAPAROSCOPIC SURGERY IN A PATIENT WITH FONTAN CIRCULATION & LIVER CIRRHOSIS
Presenter: Colin Phillips, Western University, London, ON
Co-author: Achal Dhir

1640582 - CALIBRATION AND EVALUATION OF A NOVEL LOW-COST PULSE OXIMETER SENSOR
Presenter: Heng Gan, Anesthesia, Pharmacology & Therapeutics, University of British Columbia, Vancouver, BC
Co-authors: Christian Petersen, Martin J MacInnis, Guy Dumont, Mark Ansermino

1641690 - METHYLENE BLUE AIDS IN MANAGEMENT OF CENTRAL VENOUS PERFORATION
Presenter: Alexandra Florea, Anesthesiology and Perioperative Medicine, Queen's University, Kingston, ON
Co-author: David Mark

1646015 - USABILITY EVALUATION OF A DUAL CLOSED-LOOP ANESTHESIA SYSTEM
Presenter: Nicholas West, Anesthesia, Pharmacology and Therapeutics, University of British Columbia, Vancouver, BC
Co-authors: Guy Dumont, Sara Khosravi, Kousha Talebian, Christian Petersen, Richard Merchant, Mark Ansermino

1646454 - EFFECT OF MENTAL PRACTICE ON TRAUMA TEAM PERFORMANCE--A SIMULATION BASED STUDY
Presenter: Zoe Unger, Anesthesia, University of Toronto, Toronto, ON
Co-authors: Christopher Hicks, Sana Ahmed, Megan Hayter

1646515 - USE OF POINT OF CARE ULTRASOUND (POCUS) OF THE INFERIOR VENA CAVA IN THE PERIOPERATIVE MANAGEMENT OF A LIFE THREATENING PULMONARY EMBOLUS
Presenter: Moein Tavakkoli Zadeh, Anesthesia, Sunnybrook Hospital, Toronto, ON
Co-authors: Jing J Wang, Catherine Nix, Edgar Hockmann

1647017 - AWAKE VIDEOLARYNGOSCOPIC INTUBATION IN A PATIENT WITH A PENETRATING NECK INJURY.
Presenter: Derek Dillane, Department of Anesthesiology and Pain Medicine, University of Alberta, Edmonton, AB
Co-authors: Andrea Kreitz, David Williams, Michael Murphy

1647510 - TEE: WHEN SEEING BEYOND THE HEART
Presenter: Marie-Jo Plamondon, Anesthesiology, University of Ottawa/The Ottawa Hospital, Ottawa, ON
Co-authors: Ashraf Fayad, Desiree A Persaud

1652096 - ANESTHESIA INFORMATION MANAGEMENT SYSTEM USE IN CANADA
Presenter: Jadon Harding, Anesthesiology, Memorial University of Newfoundland, St. John's, NF
Co-author: Steven Howells

1652139 - SAFETY IV CATHETERS AND THE PEDIATRIC ANESTHESIOLOGIST
Presenter: Kimmo Murto, Anesthesiology, Children's Hospital of Eastern Ontario, Ottawa, ON
Co-authors: Sophie Breton, Kelly-Ann Ramakko, Robert Perverseff, Gregory L Bryson
1652175 - FATTY EMULSION: SURVIVING CLONIDINE & PROPRANOLOL OVERDOSE
Presenter: Kimberly Macala, Discipline of Anesthesia, Memorial University of Newfoundland, St. John's, NF
Co-authors: Natalie Bandrauk, Andrew Smith

1652518 - A NOVEL EXTUBATION WITH LMA & EXCHANGE CATHETER IN A DIFFICULT AIRWAY
Presenter: Raviraj Raveendran, Anesthesia Department, Toronto Western Hospital, University of Toronto, Toronto, ON
Co-authors: Sunita G Sastry, David T Wong

1652825 - GLIDESCOPE-ASSISTED BRONCHOSCOPIC INTUBATION WITH AINTREE CATHETER
Presenter: Leng Zoo Tan, Toronto General Hospital, Toronto, ON
Co-author: Richard Cooper

1653126 - A SURVEY ON THE USE OF COMBINED SPINAL-EPIDURALS IN OBSTETRICS BY ANAESTHETIC TRAINEES
Presenter: Jonathan Yen, Anesthesia, The Ottawa Hospital, Ottawa, ON
Co-authors: Jason Cronje, Liang Wee

1653534 - EXPANDING NECK MASS UNDER GENERAL ANESTHESIA.
Presenter: Michael Vargo, Anesthesia, Dalhousie University, Halifax, NS
Co-authors: Edmund Tan, Christian Lehmann

1653602 - AN INFUSION RATE MONITOR FOR USE IN INTRAVENOUS THERAPY
Presenter: Cody Robson, Faculty of Applied Science, University of British Columbia, New Westminster, BC
Co-authors: Richard N Merchant, Joel Wiedman, Ryan Yee

1653610 - DES MODEL OF OR EFFICIENCY COMPARING TWO NMB REVERSAL AGENTS
Presenter: Alexandra Goyette, Merck Canada Inc., Kirkland, QC
Co-authors: André Jacques, Andre Galarneau, Ralph Insinga, Eric M Maiese, Susan Grant

1653710 - INSTRCUTOR VS WITHIN-TEAM LED DEBRIEFINGS: A QUALITATIVE ANALYSIS
Presenter: Sylvain Boet, Anesthesiology, The Ottawa Hospital, University of Ottawa, Ottawa, ON
Co-authors: Ashlee-Ann Pigford, Amber Fitzsimmons, Scott Reeves, Emmanuel Triby, Dylan Bould

1653720 - THE IMPACT OF SIMULATION-BASED CRISIS RESOURCE MANAGEMENT TRAINING: A SYSTEMATIC REVIEW
Presenter: Lillia Fung, Anesthesiology, The Ottawa Hospital, University of Ottawa, Ottawa, ON
Co-authors: Sylvain Boet, Haytham Qosa, Walter T Tavares, Laure Perrier, Andrea Tricco, Scott Reeves, Dylan Bould
1577091 - INTRALIPID REVERSES VASODILATION AND HYPOTENSION DUE TO PROPOFOL IN AGING RATS
Presenter: Ferrante Gragasin, Anesthesiology and Pain Medicine, University of Alberta, Edmonton, AB
Co-authors: Stephane L Bourque, Sandra T Davidge

1648664 - PULMONARY HYPERTENSION AND ANESTHESIA RISK: WHERE ARE WE NOW?
Presenter: Dagmar Moulton, Hospital for Sick Children, Toronto Ontario, Toronto, ON
Co-author: Katherine Taylor

1650504 - STABLE IDIOVENTRICULAR TACHYCARDIA DURING CESAREAN DELIVERY
Presenter: Jaclyn DesRoches, Medicine, Dalhousie University, Halifax, NS
Co-authors: Dolores M McKeen, Ronald B George, Catherine Kells, Andrew Warren, Romesh Shukla

1650591 - VAGINAL DELIVERY IN PARTURIENT WITH ALAGILLE-WATSON SYNDROME
Presenter: Jaclyn DesRoches, Medicine, Dalhousie University, Halifax, NS
Co-authors: Dolores M McKeen, Ronald B George, Prasad Bolladulla, Victoria Allen

1650606 - A CHALLENGING CASE- DEXMEDETOMIDINE FOR THE MANAGEMENT OF ACUTE POST-OPERATIVE PAIN.
Presenter: Reva Ramlogan, The Ottawa Hospital, Ottawa, ON
Co-authors: Naveen Eipe, John Penning

1650714 - INTRACRANIAL HYPOTENSION TREATED AFTER 3 YEARS WITH BLOOD PATCH
Presenter: Maria Calvo, Anaesthesia, McMaster University, Ancaster, ON

1650863 - PERSISTENT PARALYSIS AFTER SPINAL ANESTHESIA FOR CESAREAN DELIVERY
Presenter: Valerie Zaphiratos, Women's and Obstetric Anesthesia, IWK Health Centre, Halifax, NS
Co-authors: Bruce Macaulay, Dolores M McKeen

1651455 - SUCCESSFUL PERIOPERATIVE ANALGESIA OF ANTERIOR ILIAC CREST BONE HARVEST USING A CONTINUOUS TRANSVERSALIS ABDOMINIS PLANE BLOCK
Presenter: Timur Ozelsel, Anesthesiology and Pain Medicine, University of Alberta, Edmonton, AB
Co-authors: Ban Tsui, James Green

1651546 - COMPLETE ATRIOVENTRICULAR BLOCK AFTER CRANIOTOMY: ROLE OF TEMPORARY PACEMAKER
Presenter: Andrea Petropolis, Department of Anesthesia and Perioperative Medicine, University of Manitoba, Winnipeg, MB
Co-authors: Tumul Chowdhury, Bill Y Ong

1651610 - ANTINOCICEPTIVE EFFECT OF DEXMEDETOMIDINE MODULATES SPLEEN CELL IMMUNITY IN MICE.
Presenter: Ho-Kyung Song, Anesthesiology, The Catholic University of Korea, Inchon St. Mary's Hospital, Inchon, Korea, Republic of
Co-author: You Jin Kang

1652235 - CHRONIC TRIGEMINO-CARDIAC REFLEX IN A PATIENT WITH ORBITAL FLOOR FRACTURE: ROLE OF SURGERY AND FIRST DESCRIPTION
Presenter: Tumul Chowdhury, Anesthesiology and Perioperative Medicine, University of Manitoba, Winnipeg, MB
Co-authors: Nora Sandu, Bernhard Schaller, Ronald B Cappellani
1652240 - SEVERE BRADYCARDIA IN A PATIENT UNDERGOING RETROGASSERIAN GLYCEROL RHIZOLYSIS: IS IT VASOVAGAL OR TRIGEMINO-CARDIAC REFLEX
Presenter: Tumul Chowdhury, Anesthesiology and Perioperative Medicine, University of Manitoba, Winnipeg, MB
Co-authors: Bernhard Schaller, Ronald B Cappellani, Jayesh Daya

1652409 - ASA PHYSICAL STATUS: CLEAR AS MUD THE USE OF ASA-PS IN PERIOPERATIVE LITERATURE
Presenter: Shaylyn Montgomery, Department of Anesthesia, University of Calgary, Calgary, AB
Co-author: Kaylene Duttchen

1652547 - COST INFORMATION AND ANESTHETIC RESOURCE UTILIZATION
Presenter: Donal Finegan, University of Calgary, Calgary, AB
Co-authors: Nathan Brown, Molly Shing

1652797 - BEDSIDE ULTRASOUND OF THE CRICOTHYROID MEMBRANE IN THE OBESE PARTURIENTS
Presenter: Eric You-Ten, Anesthesia, Mount Sinai Hospital, Toronto, ON
Co-authors: Sherif Boulis, Cynthia Maxwell, Eugene Yu, Naveed Siddiqui, Devdatta Desai

1652873 - PERI-OPERATIVE USE OF OPIOIDS IN PATIENTS HAVING CHEST SURGERY
Presenter: Peter MacDougall, Anesthesiology, Pain Management and Peri-operative Medicine, Dalhousie University, Halifax, NS
Co-authors: Paul Brousseau, Andrew D Milne

1652895 - PREVENTING IATROGENIC BRACHIAL PLEXUS INJURY DURING V.A.T.S.
Presenter: Ognjen Visnjcevac, Anesthesiology, SUNY, University at Buffalo, Buffalo, NY, USA
Co-author: Daniel Hemmingson

1652939 - A SYSTEMATIC REVIEW OF EMERGENCIES IN PEDIATRIC ANESTHESIA
Presenter: Asadollah Mirghassemi, Anesthesiology, University of Ottawa, Ottawa, ON
Co-authors: Victor Neira, Jamila Mulla, Carol Bradbury, Lee-Anne Ufholz, Nick Barrowman, Dylan Bould

1652997 - MATERNAL ANESTHESIA FOR EXIT PROCEDURE: A SYSTEMATIC REVIEW OF THE LITERATURE
Presenter: Cristiana Miron, Anesthesia & Perioperative Medicine, Western University, London, ON
Co-authors: Kamal Kumar, Indu Singh, Aarti Agarwal

1653041 - ANESTHETIC MANAGEMENT OF BILATERAL JUGULAR VENOUS RESECTION.
Presenter: Melissa Chin, Anesthesia and Perioperative Medicine, Western University, London, ON
Co-authors: James Riddell, Arif Al-Areibi

1653598 - ULTRA-LOW DOSE KETAMINE INFUSION FOR LIMB ISCHEMIA- A CASE REPORT.
Presenter: Qutaiba A Tawfic, The Ottawa Hospital, Ottawa, ON
Co-authors: Naveen Eipe, John Penning

1653623 - PULMONARY HYPERTENSION AND INSTRUMENTED SCOLIOSIS IN PREGNANCY
Presenter: Valerie Zaphiratos, Women's and Obstetric Anesthesia, IWK Health Centre, Halifax, NS
Co-authors: Victoria Allen, Dolores M McKeen