



*Excellence in clinically-related research and knowledge
L'excellence de la recherche et du savoir au service du clinicien*

Saturday June 21st, 2003

Plenary Symposium

Current concepts of consciousness with some implications for anesthesia

B. Baars

R1

Research on anesthesia, consciousness or both? Understanding our anesthetic drugs and defining the neural substrate

P. Fiset

R2

Consciousness, awareness, and the clinician

I. Rampil

R3

Refresher Course 1

Management of tracheal trauma

W.E. Hurford, R. Peralta

R4

Refresher Course 2

Evidence-based management of postoperative nausea and vomiting

T.J. Gan

R5

Refresher Course 6

Perioperative control of CO₂

B.P. Kavanagh, J. G. Laffrey

R9

Refresher Course 7

The Pierre Limoges Pediatric Anesthesia Lecture

Beyond halothane: an update on pediatric anesthesia pharmacology

C. Reichert

R10

Refresher Course 8

Management of the chronic-pain patient in an acute-pain service

B. Knight

R11

Refresher Course 9

Anesthesia, the aging brain, and the surgical patient

G. Crosby, D. J. Culley

R12

Refresher Course 10

Muscle relaxants: a clinical update

F. Donati

R13

Sunday June 22nd, 2003

Refresher Course 3

Labour analgesia and fetal bradycardia

E. Riley

R6

Refresher Course 4

The evaluation of ultrasound imaging for neuraxial anesthesia

T. Grau

R7

Refresher Course 5

Labour analgesia: what's new and PCEA too?

D.C. Campbell

R8

**Abstracts – Monday June 23rd 2003
0830 – 1000**

Residents' Competition

Are prepared ET tubes a source for pathogenic micro-organisms?

N. Rasic

A2

Apnea testing for diagnosis of brain death: comparison of three techniques

S. Lévesque

A3

Effect of cricoid pressure on the success of endotracheal intubation

A. Turgeon

A4



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Low-dose ketamine reduces morphine use after total knee arthroplasty <i>V. Lash</i>	A5	Abstracts – Monday June 23rd 2003 1630 – 1800	
		<i>Poster Discussion 1 – Ambulatory</i>	
A demand-based assessment of the Canadian anesthesia workforce <i>D. Engen</i>	A6	What are the ambulatory-surgical-patient selection criteria in Canada? <i>Z. Friedman</i>	A16
Cerebral expression of hypoxia-sensitive genes after CPB in the rat <i>K. Blight</i>	A7	Validation of an electronic patient-completed pre-anesthetic form <i>E. Van Den Kerkof</i>	A17
Abstracts – Monday June 23rd 2003 1030 – 1200		Evaluation of cervical spine movement during helmet removal <i>J. Kolman</i>	A18
<i>Richard Knill Competition</i>		Home plexus catheters after major limb surgery <i>C. Baker</i>	A19
Protein sparing with epidural analgesia and hypocaloric dextrose <i>T. Schricker</i>	A9	Post-operative pain following discharge after ambulatory surgery <i>D. Kamming</i>	A20
Estimated creatinine clearance versus plasma creatinine as risk predictors in cardiac surgery <i>J-Υ. Dupuis</i>	A10	Single-shot epidural for day-care arthroscopic meniscectomy <i>B. Lau</i>	A21
Anemia and recovery from cardiac surgery in older patients <i>J. Robblee</i>	A11		
EuroSCORE versus CARE score for prediction of mortality in cardiac surgery <i>J-Υ. Dupuis</i>	A12	Abstracts – Monday June 23rd 2003 1630 – 1800	
Impact of different inspired gas mixtures on one-lung ventilation <i>R. Ko</i>	A13	<i>Poster Discussion 2 – Pediatrics</i>	
Anemia causes increased cortical nNOS mRNA levels in rats <i>G. Hare</i>	A14	Audio-Doppler guidance for central venous cannulation in infants and children <i>T. Arai</i>	A23
		A retrospective review of peri-operative fresh-frozen plasma transfusion practice in a children's hospital <i>W. Splinter</i>	A24



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Use of anesthetic drugs in pediatric practice <i>T. Valois-Gomez</i>	A25	Safety of peri-operative hypothermia for cardiac surgery <i>H. Nathan</i>	A35
Propofol TIVA: safe for MRI in children <i>A. Usher</i>	A26	Comparison of antinociceptive effect of pre-versus post-treatment with intrathecal ketamine in the rat <i>I-O. Lee</i>	A36
Combination of oral Ketamine and Midazolam for pre-anesthetic medication in pediatric patients: low dose vs. high dose <i>D. Shende</i>	A27	Comparison of BIS and SNAP for monitoring anesthesia depth <i>P. Audu</i>	A37
Umbilical vein catheterization under ECG guidance <i>B. Tsui</i>	A28	Anesthesia for stereotactic deep-brain stimulator insertion <i>P. Mak</i>	A38
Epidural needle location using electrical stimulation in children <i>B. Tsui</i>	A29	Neurotoxicity of local anesthetics: a novel action of high lidocaine concentrations in rat thalamus <i>S. Schwarz</i>	A39
Pediatric epidurals via the caudal route using nerve stimulation <i>B. Tsui</i>	A30	SNAP index with light anesthesia and MAC during surgery <i>S. Hybarger</i>	A40
To study the efficacy of somatic paravertebral block for post-operative pain relief in children undergoing open appendectomy <i>K. Chowdary</i>	A31	Abstracts – Monday June 23rd 2003 1630 – 1800	
Management of the difficult pediatric airway: an on-line survey <i>P. Brooks</i>	A32	<i>Poster Discussion 4 – Regional, Pain Management</i>	
Abstracts – Monday June 23rd 2003 1630 – 1800		The effect of anesthetic technique on paresthesiae after hand surgery <i>R. Brull</i>	A42
<i>Poster Discussion 3 – Neuroanesthesia</i>		A comparison between intrathecal hyperbaric Ropivacaine and Bupivacaine in transurethral resection of the prostate (TURP) surgery <i>D. Ha</i>	A43
Monitoring for nerve injury from positioning during lumbar surgery <i>P. Manninen</i>	A34		



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The efficacy of simultaneous epidural Droperidol in inhibition of morphine-induced nausea and pruritus <i>I-O. Lee</i>	A44	Abstracts – Monday June 23rd 2003 1630 – 1800	
		<i>Poster Discussion 5 – Pharmacology</i>	
Do thoracic epidural catheters go cephalad or caudad? <i>P. Lennox</i>	A45	Fentanyl and Sufentanil after single-breath induction with Sevoflurane <i>V. Cardinal</i>	A56
Pressure waveform – a marker for confirmation of the epidural space? <i>P. Lennox</i>	A46	Remifentanyl attenuates the hyperglycemic response to surgery <i>T. Schricker</i>	A57
Patients' pain management following discharge after day surgery <i>V. Chan</i>	A47	Propofol reduces tn α -induced human endothelial cell apoptosis <i>T. Luo</i>	A58
Epidural analgesia for non-transplant liver surgery <i>D. Daley</i>	A48	Tracking anti-emetic use with an anesthesia information system <i>P. Brousseau</i>	A59
Nerve stimulator performance in a porcine model <i>B. Tsui</i>	A49	Priming Rocuronium reduces onset time and increases speed <i>D. Steinberg</i>	A60
Canadian survey of the use of epidural anesthesia and analgesia <i>S. Beattie</i>	A50	Rocuronium-Vecuronium interaction revisited by an alternate method <i>D. Steinberg</i>	A61
Sciatic nerve block: a new approach <i>K. Chowdary</i>	A51	Rapacuronium pretreatment for succinylcholine-mivacurium sequence <i>D. Steinberg</i>	A62
Effect of ketamine infusions on post-operative bowel function after GI surgery <i>P. Donais</i>	A52	The use of herbal remedies by Canadian peri-operative patients <i>L. Trigazis</i>	A63
The practice of central neuraxial blockade during coagulopathy <i>D. Guglielmin</i>	A53	The effect of topical lidocaine on coughing during emergence from general surgery <i>S. Minogue</i>	A64
The pre-emptive analgesic effect of intravenous ketamine for lumbar spine surgery <i>K. Hwang</i>	A54		



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Abstracts – Tuesday June 24th 2003
0800 – 1000

Poster Discussion 6 – Cardiovascular/Thoracic

Left atrial appendage closure for the prevention of stroke

A. Roscoe

Extra-corporeal sources of Doppler-detected cerebral emboli during cardio-pulmonary bypass

R. Rodriguez

In-vitro differentiation between air and solid emboli using Doppler ultrasound

R. Rodriguez

Mean arterial to pulmonary artery pressure ratio in cardiac surgery

A. Robitaille

Pulsing in Cardiac Surgery (PICS) trial: preliminary results of a randomized clinical trial

S. Basran

Immediate extubation after aortic valve surgery

T. Hemmerling

Immediate extubation after OPCAB: PCA morphine versus thoracic epidural analgesia

T. Hemmerling

Combined general-spinal vs. general anesthesia for CABG

C. MacAdams

Failed off-pump CABG: predictors and outcomes

J. Norris

Atheromatous disease of the aorta predicts new ischemic brain lesion after cardiac surgery

G. Djaiani

A75

A66

Abstracts – Tuesday June 24th 2003
0800 – 1000

Poster Discussion 7 – Obstetrics

Labour epidural analgesia: continual boluses or continuous infusion?

A. Sia

A77

A67

Laparoscopy colonic resection and recovery of bowel function

X. Hong

A78

A68

Air or saline for identification of epidural space: a meta-analysis

P. Morgan

A79

A69

Part I: Canadian Obstetric Delivery Cohort 1970 to 1998

A. Macarthur

A80

A70

Part II: Peripartum maternal myocardial ischemia

A. Macarthur

A81

A71

Part III: Peripartum maternal myocardial ischemia – a comparative study

A. Macarthur

A82

A72

Granisetron for emesis from epidural anesthesia for Caesarean section

H.J. Yoon

A83

A73

Advantages of Remifentanyl over Meperidine for early labour analgesia

S. Parkhurst

A84

A74



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Abstracts – Tuesday June 24th 2003
0800 – 1000

Poster Discussion 8 – Respiratory, Critical Care

Non-invasive ventilation in patients with acute
 c-spine injury
M. Lessard **A86**

Tracheal bronchus and the margin of safety of
 double-lumen tube placement
A. Ho **A87**

Liver transplants: should we transfuse?
L. Massicotte **A88**

Approximate entropy and P0.1 airway occlu-
 sion pressure
P. Wilkes **A89**

Out-of-hours discharge from ICU does not
 increase patient mortality
A. Baxter **A90**

The rate of nebulization of lidocaine with var-
 ied oxygen flow rates
B. Tsui **A91**

A protocol for prevention of ventilator-associ-
 ated pneumonia (VAP)
A. Baxter **A92**

Diastolic dysfunction is a predictor of mortali-
 ty in cardiac surgery
R. Salem **A95**

Acupressure reduces post-operative nausea
 and vomiting in women after cardiac
 surgery
A. Klein **A96**

Assessing cardiac preload in laparoscopic
 donor nephrectomy
S. Bird **A97**

Excessive blood loss increases mortality after
 cardiac surgery
A. Klein **A98**

Peri-operative administration of tranexamic
 acid decreases postoperative claustrophobia
B. Varadarajan **A99**

A prediction model of massive transfusion in
 liver transplantation
K. Kakizawa **A100**

A nation-wide survey of current clinical prac-
 tices in management of cardiopulmonary
 bypass in patients undergoing cardiac
 surgery
D. Chamchad **A101**

Excessive hemodilution and stroke risk during
 cardiac surgery
C. Shayan **A102**

Abstracts – Tuesday June 24th 2003
1030 – 1230

*Poster Discussion 9 – Cardiovascular/Thoracic,
 Blood Conservation*

Maintaining normoglycemia during cardiac
 surgery
G. Carvalho **A94**



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Abstracts – Tuesday June 24th 2003
1030 – 1230

Poster Discussion 10 – Education, Epidemiology

Applying theory to practice using high-fidelity patient simulation
P. Morgan **A104**

Residents as teachers: experience using human patient simulation
P. Morgan **A105**

Functional exercise capacity after colonic surgery
B. Gvozdic **A106**

Laparoscopic cholecystectomy: implementation of a clinical pathway
O. Radwan **A107**

Recovery after open and laparoscopic gastric bypass surgery
B. Gvozdic **A108**

Gender differences in the Canadian anesthesia workforce
N. Ghazar **A109**

Simulator CME for family-practice anesthesiologists: a nationwide program
J. Tarshis **A110**

Progression of inpatient medical emergencies in a teaching hospital
R. Tanzola **A111**

Abstracts – Tuesday June 24th 2003
1030 – 1230

Poster Discussion 11 – Equipment

Colour spectrogram analysis of acoustic emissions from the LMA audio monitor
J. Doyle **A113**

Parker versus polyvinylchloride tracheal tubes for difficult airways
H. Joo **A114**

Intra-arterial catheters and median nerve conduction failure
A. Chowet **A115**

Mechanical characteristics of non-latex and latex tourniquets
A. Milne **A116**

External warming: skin and core temperature
M. English **A117**

Aerogel thermal insulation
M. English **A118**

Heat exchange efficiency of water and air warming in volunteers
M. English **A119**

Fastrach intubation under vision using the FAST scope
O. Hung **A120**

Tensile strength of 19- and 20-gauge Arrow epidural catheters
B. Tsui **A121**