



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

Saturday June 18, 2005

Plenary Symposium

The theory and practice of clinical
decision-making
P. Croskerry

Decision-making in the Internet age: oppor-
tunities to reshape our role in the OR and
beyond
A. Jadad

Refresher Course 1

Management of sepsis and septic shock in
2005: current and future directions
J. Russell

Refresher Course 2

Chronic pain: what colour are the emperor's
clothes?
S. Rashiq

Refresher Course 3

Evidence-based perioperative risk reduction
S. Beattie

Refresher Course 4

New perspectives in regional anesthesia: the use
of ultrasound – past, present, and future
P. Marhofer

Sunday June 19, 2005

Refresher Course 5

Anesthesia for non-cardiac surgery in the
patient with cardiac disease
S. Konstadt

Refresher Course 6

An update on neuroanesthesia for the occa-
sional neuroanesthesiologist
P. Patel

Refresher Course 7

The role of alpha2 agonists in pediatric
anesthesia
G. Hammer

R1

Refresher Course 8

Update on ambulatory anesthesia
P. White

R10

R2

Refresher Course 9

Statistics for the reader: what to ask before
believing the results
P. Choi

R11

R3

Refresher Course 10

Epidural blood patch: myths and legends
M. Paech

R12

R4

**Abstracts – Monday June 20, 2005
0800 – 0930**

Residents' Competition

R5

Thoracic epidural analgesia improves lung
function in CABG patients
P. Tenenbein

A1

R6

Lightwand and Glidescope vs. Macintosh for
potential C-spine injury
T. Turkstra

A2

R7

Stability of norepinephrine in dextrose and
normal saline solutions
M. Tremblay

A3

R8

Efficacy of the addition of intrathecal Fentanyl
to spinal anesthesia for uterine exterioriza-
tion during Caesarean delivery
A. Malan

A4

Variable ventilation compared with recruit-
ment manoeuvres in a porcine model of
ARDS
D. Funk

A5



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Meta-analysis of the analgesic efficacy of clonidine for postoperative pain <i>A. Chaput</i>	A6	Acute diastolic dysfunction: a new entity recognized by transesophageal echocardiography in thoraco-abdominal aortic aneurysm surgery <i>A. Fayad</i>	A14
<hr/>			
Abstracts – Monday June 20, 2005 1000 – 1130			
<i>Richard Knill Competition</i>			
Anaesthesia and transmural dispersion of repolarisation in children <i>S. Whyte</i>	A7	Impact of routine tranexamic acid in cardiac surgery: single centre review <i>M. Meineri</i>	A15
Ultrasound for ilio-inguinal / iliohypogastric nerve blocks in children <i>O. Wanzel</i>	A8	Aprotinin or tranexamic acid in cardiac surgery: a propensity analysis <i>K. Karkouti</i>	A16
β ₂ adrenergic blockade impairs cerebral cortical oxygen delivery in anemic rats <i>G. Hare</i>	A9	Biventricular diastolic function and cardiac surgery <i>A. Denault</i>	A17
Effect of Propofol and CPAP on airway size and configuration in infants <i>D. Rohan</i>	A10	Right ventricular outflow tract obstruction <i>A. Denault</i>	A18
Synthetic DNA standards for genetic screening for MH/CCD <i>C. Yu</i>	A11	Transesophageal echocardiography and aortic valve surgery <i>A. Denault</i>	A19
Nasogastric tubes after cardiac surgery: impact on nausea and vomiting <i>Y. Hirasaki</i>	A12	Effect of Milrinone on biventricular diastolic function <i>A. Denault</i>	A20
<hr/>		Association between length of storage of erythrocytes and post-operative acute renal dysfunction in patients undergoing re-operative cardiac surgery <i>S. Basran</i>	A21
Abstracts – Sunday June 19, 2005 0800 – 1000			
<i>Poster Discussion 1 – Cardiovascular, Thoracic 1</i>			
Evaluation of correlation between left atrial pressure and left ventricular end diastolic pressure in patients with mitral regurgitation <i>J. Golshahi</i>	A13	Predicting massive blood loss in cardiac surgery <i>R. O'Farrell</i>	A22
		GPIa/GPIIa gene polymorphism and bleeding after cardiac surgery <i>N. Kraeva</i>	A23



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Evaluation of paravalvular jet in valve replacement before and after protamin detected by intraoperative transesophageal echocardiography <i>H. Moshtaghion</i>	A24	Immediate extubation after cardiac surgery: experience of more than 500 patients <i>J-F. Olivier</i>	A32
Diastolic dysfunction and new onset of AF after CABG <i>M. Meineri</i>	A25	Improving risk-prediction for dialysis after cardiac surgery <i>D. Wijesundera</i>	A33
<hr/>		Insulin infusion during cardiac surgery <i>A. Shenderey</i>	A34
Abstracts – Sunday June 19, 2005 1030 – 1230		Plasma rantes concentrations during on-pump or off-pump coronary artery bypass grafting surgery <i>T-C. Lin</i>	A35
<i>Poster Discussion 2 – Cardiovascular, Thoracic 2</i>		Is PCA superior to nurse-controlled analgesia for cardiac surgery? <i>D. Bainbridge</i>	A36
Nitroglycerin and brain saturation in cardiac surgery <i>D. Piquette</i>	A26	Myocardial preservation with Propofol is dose-dependent <i>D. Ansley</i>	A37
Ischemic preconditioning with volatile anesthetics in CABG: a meta-analysis <i>C. Yu</i>	A27	Renal expression of endothelial nitric oxide synthase after CPB in rat <i>F. Briet</i>	A38
Does obesity affect time to extubation in "Fast Track" CABG surgery? <i>R. Ahn</i>	A28	Non-invasive measurements of cardiac output after cardiac surgery <i>L. Fedorko</i>	A39
Prophylactic Milrinone may decrease the incidence of myocardial ischemia during OPCAB surgery <i>H. Joo</i>	A29	<hr/>	
Stress protection of different solutions of thoracic epidural anesthesia for immediate extubation after off-pump cardiac surgery (OPCAB) <i>J-F. Olivier</i>	A30	Abstracts – Sunday June 19, 2005 1400 – 1600	
Comparison of myocardial protection of isoflurane vs. sevoflurane in ultra fast track anesthesia in off-pump aorto-coronary bypass grafting (OPCAB): a pilot <i>J-F. Olivier</i>	A31	<i>Poster Discussion 3 – Regional Anesthesia</i>	
		Non-stimulating vs. stimulating catheters in continuous femoral block <i>Y. Sansoucy</i>	A40



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Learning curve for ultrasound-guided regional anesthesia <i>M. Al-Sohaibani</i>	A41	RCT of ilio-inguinal nerve block for post-laparoscopy pain <i>A. Morgan</i>	A53
Pressures generated by loss of resistance to air <i>A. Abotaiban</i>	A42	Abstracts – Monday June 20, 2005 1230 – 1400	
Caudal block under ultrasound guidance <i>J. Ho Rob</i>	A43	Poster Discussion 4 – Acute and Chronic Pain Management	
Ultrasound evaluation of paresthesia and nerve stimulation <i>A. Niazi</i>	A44	Pilot RCT: Bowel function: low-doses ketamine after bowel surgery <i>W. McKay</i>	A54
Efficacy of brachial plexus block after elbow fracture repair in children <i>K. Chowdary</i>	A45	Factors affecting outcome of RCTs of ketamine for post-operative pain <i>W. McKay</i>	A55
Complication after continuous brachial plexus block for optimal peri-operative analgesia <i>R. Taha</i>	A46	Rofecoxib decreases shoulder pain after thoracotomy <i>P. Norman</i>	A56
Ultrasound examination and localization of the sciatic nerve <i>H. Nova</i>	A47	Critical incident reporting on an acute pain service <i>J. Paul</i>	A57
Ultrasound versus nerve stimulator guided axillary brachial plexus block <i>I. Awad</i>	A48	Abstracts – Monday June 20, 2005 1230 – 1400	
Pilot study of rectus sheath block in children <i>L. Isaac</i>	A49	Poster Discussion 5 – Peri-operative Medicine	
The effect of dextrose 5% in water on peripheral nerve stimulation <i>B. Tswi</i>	A50	Post-operative cardiovascular complications in major joint arthroplasties <i>S. Syed</i>	A58
Electrical stimulation guidance for cervical epidural placement <i>B. Tswi</i>	A51	Peri-operative management of patients on anti-coagulants using Thrombosis Risk Score <i>M. Manaloto-Angeles</i>	A59
Sciatic nerve block: a novel approach <i>K. Chowdary</i>	A52	Comparison of Heparin subcutaneous injection in thigh, arm, and abdomen <i>K. Zeraatkari</i>	A60



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Survey of peri-operative care of patients with obstructive sleep apnea <i>K. Turner</i>	A61	Prophylaxis and treatment of postoperative nausea and vomiting (PONV) <i>R. Gibson</i>	A70
The incidence of postoperative complications in PACU: a survey <i>K. Mayson</i>	A62	Dexamethasone 12 mg pretreatment reduces PONV in laparoscopy <i>S. Behdad</i>	A71
Thoracic epidural or beta-blockers do not reduce post-operative MI <i>S. Beattie</i>	A63	Early post-operative recovery outcome measurements after surgery: an evidence-based review <i>F. Herrera</i>	A72
Can a brief anesthesiologist intervention modify smoking behaviour? <i>C. Pysyk</i>	A64	Anesthetic and pharmaco-economic outcomes in prostate brachytherapy <i>A. Sarmah</i>	A73
Identification of novel CCD mutations in RYR1 <i>N. Kraeva</i>	A65	Development of an instrument assessing recovery after ambulatory anesthesia <i>J. Wong</i>	A74

Abstracts – Monday June 20, 2005
1230 – 1400

Poster Discussion 6 – Ambulatory

Pilot: RCT of Chlorpromazine for postoperative nausea and vomiting <i>M. Al-Ramwaf</i>	A66
Effect of Valdecoxib on transitional pain after ambulatory surgery <i>N. Imasogie</i>	A67
Current pre-operative testing practices in ambulatory surgery are widely disparate: a survey of CAS members <i>H. Yuan</i>	A68
Pre-operative identification of sleep apnea risk in elective surgical patients <i>H. Yuan</i>	A69

Abstracts – Monday June 20, 2005
1230 – 1400

Poster Discussion 7 – Airway Management

Patients' characteristics influencing the performance of the Fastrach <i>J-S. Lebon</i>	A75
Retrospective study of complications associated with the Combitube <i>M-C. Vézina</i>	A76
Inaccuracy of finger-breadth measurements for airway assessment <i>A. Milne</i>	A77
Patients' characteristics influencing the performance of the Trachlight <i>M. Vaillancourt</i>	A78



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Airway topicalization in the morbidly obese using atomized lidocaine <i>P. Wiczorek</i>	A79	Simulation: theory to practice in undergraduate medical education <i>P. Morgan</i>	A88
Dose-response study in cardiovascular responses after laryngoscopy and endotracheal intubation <i>K. Montazeri</i>	A80	Creation, implementation, and evaluation of an FPA simulator CE program <i>J. Tarshis</i>	A89
Optimal contents of an airway equipment bag: results of an institutional survey <i>K. Walsh</i>	A81	Anesthesia Information Booklet: a painlessly effective method of patient education <i>A. Cheung</i>	A90
Quality of positioning between the right DLT and the modified one <i>J. Bussières</i>	A82	Need for procedural skills training in undergraduate education <i>I. Sulaiman</i>	A91
A practice review of 35 Cormack Grade 4 direct laryngoscopes <i>A. Law</i>	A83	The McMaster University anesthesia clerkship curriculum: the next generation <i>A. Wong</i>	A92
<hr/>		International health care: an approach <i>A. Dauphin</i>	A93
Abstracts – Monday June 20, 2005 1230 – 1400		Choice of continuing education event is dependent upon type of practice <i>K. Turner</i>	A94
Poster Discussion 8 – Education, Simulation		<hr/>	
Non-technical skills: repeated exposure to simulation <i>V. Naik</i>	A84	Abstracts – Tuesday June 21, 2005 0730 – 0930	
New scale to improve inter-examiner reliability during anesthesia oral exam <i>A. Boker</i>	A85	Poster Discussion 9 – Pediatric	
A survey of perceived barriers to simulation-based education <i>G. Savoldelli</i>	A86	Pilot: RCT of adjuncts to general anesthesia in pediatric dentistry <i>W. McKay</i>	A95
Patient simulation: an adjunct to the oral examination <i>G. Savoldelli</i>	A87	Fentanyl dose and outcome in preterm infants undergoing PDA closure <i>JL. Martinez</i>	A96
		Anesthesia for hypertrophic pyloric stenosis: a five-year review <i>KA. Seddek</i>	A97



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Placebo equal to Nalbuphine for pruritus in pediatrics <i>N. Nakatsuka</i>	A98	Training in pediatric anesthesia: a Canadian survey <i>C. Vandebeek</i>	A109
Parental presence during induction of anesthesia: a survey <i>Y-C. Lin</i>	A99	Abstracts – Tuesday June 21, 2005 0730 – 0930	
Are opioids indicated in pediatric strabismus surgery? <i>K. Murto</i>	A100	<i>Poster Discussion 10 – Critical Care/ Transplantation/Equipment</i>	
Propofol Remifentanyl deep sedation for gastrointestinal endoscopy in children <i>I. Abu-Shahwan</i>	A101	A radiological examination of the subclavian vein in vivo <i>A. Procter</i>	A110
Post-operative confusion and the practice of pediatric anesthesia <i>I. Abu-Shahwan</i>	A102	Predictive modeling of peri-operative morbidity <i>P. MacDougall</i>	A111
Patient selection criteria for ambulatory surgery in children <i>I. Abu-Shahwan</i>	A103	Effect of reactive hyperemia on forearm vein area: a blinded study <i>H. Mollison</i>	A112
A pilot study: videophones in a pediatric day-care setting <i>K. Murto</i>	A104	Effects of digital block on pulse oximetry in shock simulation <i>H. Soltani</i>	A113
ASA classification in pediatric anesthesia <i>N. Buu</i>	A105	Disinfection effect of Cidex, Savlon, and H ₂ O ₂ on ventilator tubes <i>K. Zeraatkari</i>	A114
Poster to print: a 10-year review of pediatric abstracts at the CAS <i>N. Buu</i>	A106	Effects of Propofol on lipid peroxidation and cellular damage against warm hepatic ischemia/reperfusion injury in rats <i>D. Jee</i>	A115
Cerebrovascular effects of retroperitoneal laparoscopy in children <i>C. Karsli</i>	A107	Reduction of blood products transfusions during liver transplantation <i>L. Massicotte</i>	A116
Hemodynamic effects of retroperitoneal laparoscopy in children <i>C. Karsli</i>	A108	Development of a new continuous intra-operative neuromuscular monitoring system using phonomyography <i>G. Trager</i>	A117



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The staircase phenomenon is absent at the corrugator supercilii muscle <i>S. Deschamps</i>	A118	Abstracts – Tuesday June 21, 2005 0730 – 1000	
		<i>Poster Discussion 11 – Obstetric</i>	
The application of a preload decreases the staircase phenomenon at the first dorsal interosseus muscle when measured using phonomyography <i>G. Trager</i>	A119	Influences on analgesic choices for labour among first-time mothers <i>R. George</i>	A127
Plasma glucose level in trauma patients based on location <i>M. Jabalameli</i>	A120	Effectiveness of local anesthetic techniques in improving post-Caesarean section analgesia: a qualitative systematic review <i>K. Hussain</i>	A128
Tight control of blood glucose with IV insulin: efficacy and safety <i>M. Lessard</i>	A121	Is obstetric outcome related to local anaesthesia concentration? <i>M. Davallou</i>	A129
The use of autologous blood donation for live-donor right hepatectomy <i>S. McCluskey</i>	A122	Mini-gauge epidural needles and catheters for labour analgesia <i>P. Angle</i>	A130
Adaptive change point detection algorithm for heart rate in children <i>M. Ansermino</i>	A123	Expected utilities of epidural or IV/IM opioid analgesia for labour <i>A. Ho</i>	A131
Beware the airway filter: dead-space effect in children under two years <i>J. Kobe</i>	A124	Effect of Tramadol on post-spinal shivering in Caesarean section <i>R. Talakoub</i>	A132
Potential donors and donation process: a retrospective study <i>M. Lessard</i>	A125	Conversion of epidural labour analgesia to epidural surgical anaesthesia for intrapartum Caesarean delivery <i>D. Campbell</i>	A133
Effect of repeated alveolar recruitment manoeuvre on oxygenation after cardiac surgery <i>L. Minkovich</i>	A126	Co-induction of labour analgesia: epidural test dose and low-dose spinal <i>T. Islam</i>	A134
		RCT of epidural morphine for post-vaginal perineal pain <i>A. Macarthur</i>	A135



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The use of herbal remedies by Canadian parturients <i>I. Devito</i>	A136	Age-dependent actions of Sevoflurane on heart rate variability <i>P. Mak</i>	A146
Optimal anesthesia for endoscopic placental surgery <i>S. Davies</i>	A137	Cerebral cortical gene expression in anemic rats: micro-array analysis <i>F. Briet</i>	A147
HR and BP variability to assess autonomic tone post spinal anesthesia <i>A. Deschamps</i>	A138	Cerebral oxygenation after resuscitation with hemoglobin raffimer <i>G. Hare</i>	A148
Complications of exteriorized vs. in situ uterine repair at C-section <i>M. Siddiqui</i>	A139	Post-operative hypertension in craniotomies: incidence and predictive factors <i>K. Lukitto</i>	A149
Oxytocin requirements at C-section for failure to progress in labour <i>M. Balki</i>	A140	Cerebellar-evoked potentials and nitrous oxide in healthy subjects <i>M. Davis</i>	A150
Inadequate epidural study <i>R. Agaram</i>	A141	Does hypocapnia affect cerebrovascular changes in children when Desflurane replaces Isoflurane? <i>C. Karsli</i>	A151
Breech presentation: RCT of IV Remifentanyl for ECV attempt <i>A. Macarthur</i>	A142	Cerebral hemodynamics in children when Desflurane replaces Propofol <i>C. Karsli</i>	A152
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Abstracts – Tuesday June 21, 2005			
1000 – 1200			
<i>Poster Discussion 12 – Neuroanesthesia</i>			
Oculopharyngeal muscular dystrophy: postoperative complications <i>H. Pellerin</i>	A143	Cerebral blood flow in children when Sevoflurane is switched to Deflurane <i>C. Karsli</i>	A153
Predicting airway and other complications in cervical spine surgery <i>C. Prusinkiewicz</i>	A144	Does remifentanyl-based anesthesia cause acute opioid tolerance? <i>C. Hickey</i>	A154
Ultrasound-guided central venous catheter placement in neurosurgery <i>JJ. See</i>	A145	Does Sevoflurane affect cerebral autoregulation in children? <i>G. Wong</i>	A155



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Abstracts – Tuesday June 21, 2005
1000 – 1200

Poster Discussion 13 – Pharmacology

Oral Clonidine decreases bleeding in endoscopic sinus surgery <i>H. Soltani</i>	A156	The influence of Dexmedetomidine on sodium nitroprusside-induced hypotension during Isoflurane anesthesia <i>M. Abosedira</i>	A165
Topical tranexamic acid for bleeding of endoscopic sinus surgery <i>M. Jabalameli</i>	A157	Total and unbound Phenytoin levels in critically ill children <i>C. McClain</i>	A166
Negative myocardial effects of cyclic GMP are enhanced in obese rats <i>J. Tse</i>	A158	Perivascular adipose tissue modulates vessel tone in human artery <i>Y-J. Gao</i>	A167
Aging blunts effects of triiodothyronine on rabbit cardiac myocytes <i>J. Tse</i>	A159		
Effects of Atracurium and Pancuronium on intra-ocular pressure <i>S. Behdad</i>	A160		
Valdecoxib pharmacokinetics in human cerebrospinal fluid <i>J. Kuppinger</i>	A161		
Propofol and nitric oxide in TNF-Alpha induced human ECV304 apoptosis <i>Z. Xia</i>	A162		
N-acetylcysteine dose dependently reduces TNF- α cellular toxicity <i>J. Ouyang</i>	A163		
H ₂ O ₂ potentiates TNF- α cellular toxicity: reversal with Propofol <i>T. Luo</i>	A164		