

CHAIR'S COMMENT

The highlights of our year were provided by our investigators. The US military is making use of Joe Fisher's expertise in making light-weight oxygen therapy and breathing devices. Greg Hare won the most prestigious of the CAS Awards - CAS Career Scientist Award.

The proudest moment of the year was to celebrate Bev Orser's Canadian Research Chair. This is the first CRC chair awarded to a practising anesthesiologist and just reward for her outstanding on-going contributions to the understanding of the mechanism of anesthesia.

The strength of the University of Toronto Department of Anesthesia Research lies in its depth and breadth. Topics ranged from neonatal critical care, to pain management in adults and children, and basic neuroscience to obstetric and cardiac anesthesia. In most of those fields our investigators are recognized international experts. Our investigators published more than 170 peer-reviewed manuscripts. Half of the manuscripts were published in non-anesthesia journals. More than 50 faculty were invited to speak outside the city on their subjects

Major peer-reviewed funding continued to increase to approximately \$4m, excluding military contracts. In addition to the Clinician Scientist Award to Dr. Duminda Wijesundera, other awards were won in neuroscience (Wei-Yang Lu and Beverley Orser), basic pulmonary research (Haibo Zhang), lung injury (David Mazer), blood conservation (Keyvan Karkouti), cerebral hypoxia gene expression (Greg Hare), pediatric critical care (Brian Kavanagh), simulation (Pamela Morgan and Viren Naik), surgical outcomes (Scott Beattie) and pain (Lucia Gagliese) amongst many others. The total amount of Research funding from all sources exceeds \$9m.

After several years of decline, recruitment to academic positions is beginning to improve. As a result of Alternate Funding Plans and greater awareness and interest in academic activity all hospitals have more staff than that one year ago. Clinical/Research Fellows influence our ability to provide clinical service and academic activity. Many of our IMG fellows stay. Of 26 new staff at UHN/Mount Sinai since 2000, 14 have academic registration with the CPSO in the IMG Assistant Professor program.

As usual, the faculty was successful at the CAS meeting in research grants awarded, prizes won and for the quality of their presentations:

CAS Career Scientist Award in Anesthesia and Perioperative Medicine
Dr. Greg Hare – St. Michael's Hospital (\$270,000).

CAS Research Award
Dr. Duminda Wijesundera – UHN

Best of Show – 1st Prize Richard Knill Competition
Dr. Greg Hare

The academic future of the University of Toronto Department Of Anesthesia appears to be assured. There is a steady growth in academic activity, as reflected by grant awards and publications in peer-reviewed journals. However, this must be placed in the context of a world-wide shortage in anesthesiologists. In such an environment, the pressure to provide clinical service at the expense of academic activity is considerable. However, our argument is that it is by building a thriving and satisfying academic environment that young specialists are attracted to University Departments. Our achievements surpass those of almost all Departments of Anesthesiology in Canada and the USA. However, they pale in comparison with specialties such as Internal Medicine, Surgery, Psychiatry and Laboratory Medicine. Our goal, with regard to grant awards, should be to increase the real value of the competitive awards received by 20% per annum. Secondly, we need to continue with our education programs particularly those involving the newer technology utilizing high fidelity simulators. Our investigators at Sunnybrook (Pamela Morgan) and St. Michael's Hospital (Viren Naik) are making innovative discoveries that will affect the training of all physicians. A particularly interesting component of their activity is in the study of personnel interaction in the avoidance of errors and to facilitate safe practice. Finally, we should remember our clinical role in providing safe intra-operative care and perioperative analgesia. If we remember our role, we will ensure that our education and research activities have the proper perspective.

David R. Bevan
Professor and Chair

ANESTHESIA FELLOWS 2004/2005

The Hospital for Sick Children

Arrica, Mauro	ITALY	Rohan, Denise	IRELAND
Eichner, Angelika	GERMANY	Shichor, Tal	ISRAEL
Horn, Jeannette	GERMANY	Taylor, Katherine	AUSTRALIA
John, Justin	CANADA	Walsh, Kenneth	IRELAND
Karro, Jason	USA	Wong, Gordon	AUSTRALIA
Prinzhausen, Heike	UK		

Mount Sinai Hospital

Dhumne, Sudhir	INDIA	Louis, Ihab	CANADA
Dochev, Atanas	BULGARIA	Porter, Jennifer	EGYPT
El-Brakey, Mary	EGYPT	Rofaeel, Ayman	EGYPT
Habbi, Mehri	IRAN	Saad, Samy	EGYPT
Ismail, Samina	BULGARIA	Siddiqui, Mughina	PAKISTAN
Kasodekar, Shilpa	INDIA	Siddiqui, Naveed	PAKISTAN
Liker, Suzanne	CANADA		

St. Michael's Hospital

Alam, Syed	CANADA	Lorroway, Peta	AUSTRALIA
Chung, David	AUSTRALIA	McCloone, Mary	UK
Ehikhametalor, Lelvin	JAMAICA	Miller, Andrew	NEW ZEALAND
Greenwood, Jennifer	AUSTRALIA	Novoshinov, Sergey	ISRAEL

Sunnybrook and Women's College Health Sciences Centre

Goldchtaub, Valerie	ISRAEL	Kummer, Carmen	BRAZIL
Gofeld, Michael	ISRAEL	Kaptoulski, Boris	ISRAEL
Idestrup, Christopher	CANADA	Predescu, Oana	ROMANIA

UHN/Toronto General Hospital

Abdelnaem, Esam	EGYPT	O'Farrell, Rachel	IRELAND
Dattilo, Kathleen	CANADA	Schupp, Michael	GERMANY
Hirasaki, Yuji	JAPAN	Shayan, Charles	USA
Jung, Hyun	KOREA	Srinivas, Coimbatore	INDIA
Kanellakos, George	CANADA	Sun, Ruidong	CHINA
Katznelson, Rita	ISRAEL	Van Rensburg, Adriaan	S. AFRICA
Lacroix, Melanie	CANADA	Vats, Praveen	INDIA
Leissner, Kay	USA	Vuckovic, Dejan	YUGOSLAVIA
Meineri, Massimiliano	ITALY	Wasowicz, Marcin	POLAND
Minkovich, Leonid	ISRAEL	Yu, Chunhua	CHINA
Mulhall, James	IRELAND	Zhang, Huan	CHINA

UHN/ Toronto Western Hospital

Assmann, Nicole	UK	Manaloto-Angeles, Maria	PHILIPPINES
Awad, Imad	IRELAND	Morales, Eduardo	COLUMBIA
Brauner, Ivan	CZECH REPUBLIC	Niazi, Ahtsham	IRELAND
Choi, Mabel	CANADA	See, Jee Jian	SINGAPORE
Edward, Reginald	UK	Tangwiat, Suwimon	THAILAND
Jose, Geraldine	PHILIPPINES	Venkatraghavan, Lashmi	INDIA
Lermitte, Jeremy	UK	Ward, Barnaby	UK
Li, Carina	HONG KONG	Wong, Daniel	AUSTRALIA

AWARDS AND ACHIEVEMENTS

DEPARTMENTAL AWARDS

The Thomas Donald Hammell Memorial Award in Anaesthesia

For making the greatest contribution to the residency program (as chosen by the other residents)

- 1994 Basem Naser
- 1995 Chong Chow
- 1996 Cameron Guest
- 1997 Robert Chen
- 1998 Rassamee Ling
- 1999 Naseer Baig
- 2000 Brian Nishimura
- 2001 Elaine Ng
- 2002 Viren Naik
- 2003 Trisha Mark
- 2004 Shawn Mawhinney
- 2005 Susan French

The Dr. John Desmond Award

For excellence in undergraduate teaching

- 1994 Christina Benedict
- 1995 Pam Morgan
- 1996 Isabella Devito
- 1997 Irene McGhee
- 1998 Ron Crago
- 1999 Susan Bertram
- 2000 John Bradley
- 2001 Carmencita Castro
- 2002 Hal Braden
- 2003 Beverly Morningstar
- 2004 Dragan Djordjevic
- 2005 Jordan Tarshis

The Dr. Gerald Edelist Award

For excellence in postgraduate teaching

- 1995 Alan Laws (posthumous)
- 1996 Chiddam Ananthanarayan
- 1997 Patricia Houston
- 1998 Irene McGhee
- 1999 Robert Creighton
- 2000 Joseph Kay
- 2001 Ronald Crago
- 2002 Marianne Graham
- 2003 Mark Levine
- 2004 Mary Ellen Cooke
- 2005 David J. McKnight

The Hynek Rothbart Award

For presenting the best paper at the Shields Research Day

- 1994 Karen McRae
- 1995 Brendan O'Hare
- 1996 Robert Chen
- 1997 Daisy Ip
- 1998 Frank Reinders
- 1999 John Laffey
- 2000 John Emery
- 2001 Viren Naik
- 2002 Anahi Perlas
- 2003 Not awarded
- 2004 Eric-You Ten
- 2005 Denis Rohan

Dr. Alan K. Laws Clinician Scientist Fellowship

To provide salary support for a resident who undertakes graduate level training in a related field.

- 2002 Duminda Wijesundera
- 2003 Jens Tan
- 2004 Antoine Pronovost/Timothy Welke
- 2005 Dov Weiss

Dr. Alan K. Laws Travel Award

Awarded annually to provide support and encouragement for a senior resident in the Department of Anaesthesia to further their academic interests by traveling to a foreign site to experience anesthesia as practised elsewhere.

- 1996 Philip Peng
- 1997 Stephane Lambert
- 1998 Hwan Joo
- 1999 Rosaleen Chun
- 2000 Harald Bettger
- 2001 Carol Loffelmann
- 2002 Teddy Lim
- 2003 Trisha Mark
- 2004 Richard Brull
- 2005 Alan Chaput

Dr. Alan W. Conn Graduate Award

Awarded to a post-graduate trainee registered in a Master's or Ph.D. degree program.

- 2005 Anton Marinov

The Dr. Evelyn Bateman Award

For excellence in anaesthesia at the undergraduate level

- 1994 Desmond Lam
- 1995 Laura Hopkins
- 1996 Carol Loffelmann
- 1997 Ursula Jurt
- 1998 Shawn Mawhinney
- 1999 Jens Looser
- 2000 Gordon Buduhan
- 2001 Renee Allard
- 2002 Julie Lajoie
- 2003 Hance Clarke
- 2004 Nicholas Lo
- 2005 Kevin Lai

FACULTY TEACHING AWARDS

Lisa Bahrey Wightman-Berris Academy Undergraduate Teaching Award

HOSPITAL TEACHING AWARDS

Mark Levine Hospital for Sick Children Award for Excellence in Clinical Teaching

Abraham Katz St. Michael's Dr.A.J. Dunn Award for Undergraduate Education

Brian Pollard St. Michael's Dr.A.J. Dunn Award for Postgraduate Education

Marianne Graham SWCSHC the 'Bob Mackenzie' Clinical Teacher's Award

NATIONAL AND INTERNATIONAL AWARDS

Jose Carvalho Board of Directors, SOAP, for a two year term

Mark Crawford Editorial Advisory Board of Pediatric Anesthesia, July 2004.

Joseph Fisher Innovation Research Award, 1st Prize

Alejandro Jadad Special SOMOS Award (the Canadian Latin Achievement Award).

Keyvan Karkouti Dr. Earl Wynands Research Award in Cardiovascular Anesthesia

Anita Sarmah Award for the best abstract in the field of Ambulatory Anesthesia, CAS 2005

Peter Slinger Bernard H. Eliasberg Medal, Mount Sinai School of Medicine, New York

STUDENT AWARDS AND ACHIEVEMENTS

- Victor Cheng** The Institute of Medical Science Continuing Award
(Supervisor: Dr. Beverley Orser)
- Shields Research Prize, Department of Anesthesia, University of Toronto
- Mary Chiu** Ontario Graduate Scholarship (OGS) 2004. (Supervisor: Dr. Beverley Orser)
Ontario Graduate Scholarship (OGS) 2005
University of Toronto Open Fellowship
Greater Toronto Area Chinese Culture Center Leadership Award
- Loren Martin** (Ph.D. candidate) Savoy Foundation Studentship 2005-06
(Supervisor: Dr. Beverley Orser)
The Institute of Medical Sciences Entry Award
Ontario Graduate Scholarship (OGS) – declined
- Eitan Prisman** George Brown Award for best poster presentation in Clinical Science, 19th Medical Student Research Day (Supervisor: Dr. Joseph Fisher)
- Mughina Siddiqui** Fellow, Mount Sinai Hospital, won the Fred Zuspan Award, SOAP 2005
- Duminda Wijesundera** Clinician Scientist Graduate Program Award

DEPARTMENT COUNCIL

Department Council is chaired by the Chair, Department of Anesthesia. Membership comprises the Anesthetists-in-Chief of each affiliated hospital, and the Chairs of the Research, Postgraduate, Undergraduate and Continuing Education Committees. The terms of reference are to:

- advise the Chair on departmental policies;
- participate in long-range academic planning;
- review issues of current concern to the department and the practice of anaesthesia;
- receive and implement reports from the committees on education and research.

Chair: David Bevan

Anesthetists-in-Chief:	David Bevan	UHN/Mount Sinai Hospital
	Gil Faclier	Sunnybrook and Women's College Health Sciences Centre
	Patricia Houston	St. Michael's Hospital
	Emily Mosher	Toronto East General Hospital
	Lawrence Roy	Hospital for Sick Children

Deputy Chiefs:	Sue Belo	Orthopaedic & Arthritic Hospital
	Gordon Fox	Mount Sinai Hospital
	Jean Kronberg	Women's College Site
	Jacob Lai	Toronto Western Hospital
	Gerald O'Leary	Toronto General Hospital
	Doreen Yee	Sunnybrook and Women's College Health Sciences Centre

Committee Chairs:

Peter Slinger	Continuing Education
Patricia Houston	Awards
Patricia Houston	Gender Issues Committee
Mark Levine	Postgraduate Education
David Mazer	Research
Pamela Morgan	Undergraduate Education
Gordon Fox	Promotions Committee

UNDERGRADUATE EDUCATION COMMITTEE

UGE Chair: Dr. Pamela Morgan	Sunnybrook & Women's College HSC
Preclerkship Coordinator: Dr. Isabella Devito	Mount Sinai Hospital
Clerkship Course Director: Dr. Pam Morgan	Sunnybrook and Women's College HSC
Committee Members:	
Dr. L. Bahrey	Toronto General Hospital
Dr. D. Bevan	Chair, Department of Anesthesia
Dr. I. Devito	Mount Sinai Hospital
Dr. D. Djordjevic	Sunnybrook and Women's - Women's College Site
Mr. Ben-Ari Fried	Student Representative-Year 3
Dr. P. Houston	Vice-Chair, Education, Department of Anesthesia
Mr. Kevin Lai	Student Representative-Year 4
Dr. Ken Lin	St. Michael's Hospital
Dr. P. Morgan	Sunnybrook & Women's College HSC
Dr. J. Robertson	Hospital for Sick Children, Electives Committee Representative
Dr. A. Sarmah	Sunnybrook & Women's College HSC
Dr. P. Tumber	Toronto Western Hospital

The Undergraduate Education Committee of the Department of Anaesthesia is composed of the Chair, the Clerkship Course Director, representatives from each of the teaching hospitals, and a third and fourth year student representative. The Chair of the Department of Anaesthesia and the Vice-Chair, Education are also committee members. The full committee meets monthly and manages all aspects of undergraduate teaching involving the University Department of Anaesthesia.

Challenges we face are continuing decreases in the length of our rotation related to a 2-week break for CARMS interviews. This affects our already short rotation (of 2-weeks duration) causing the rotations after January to be shortened to 7-8 days. This provides challenges for both students and faculty. In addition, the anesthesia/emergency rotation is not offered in Block 1 of Phase II clerkship in order to allow students time to have electives prior to making their postgraduate course selections. This results in an increased number of medical students in the remaining blocks.

PRE-CLERKSHIP

Members of each hospital department are involved in teaching courses in first and second year. This involvement includes tutoring in the Art and Science of Clinical Medicine years I and II, Foundations of Medical Practice, and Structure and Function courses.

Pre-Clerkship Lectures

Dr. S. Belo

Dr. R. Chen

Dr. J. Wasserman

ASCM I Course Director

Dr. John Bradley UHN-Toronto General

ASCM I Tutors

Dr. Lisa Bahrey UHN-Toronto General

Dr. Jennifer Brunton UHN – Toronto Western

Dr. W. Demajo UHN – Toronto General

Dr. V. Hughes St. Michael's Hospital

Dr. Viren Naik St. Michael's Hospital

ASCM II Tutors

Pat McNama

Determinants of Community Health (DOCH) Year 2: Academy Course Supervisors

Dr. J. Bradley UHN-Toronto General

Dr. F. Chung UHN- Toronto Western

Problem Based Learning Tutors: Structure and Function, Foundations of Medical Practice

Dr. S. Abrahamson St. Michael's Hospital

Dr. R. Barlow Hospital for Sick Children

Dr. M. Chochinov Sunnybrook & Women's College HSC-Sunnybrook Campus

Dr. K. Cybulski Hospital for Sick Children

Dr. I. Devito UHN: Mount Sinai

Dr. L. Eisen UHN: Mount Sinai

Dr. C. Grant Hospital for Sick Children

Dr. L. Isaac Hospital for Sick Children

Dr. A. Lee UHN: Toronto General

Dr. K. Lin St. Michael's Hospital

Dr. L. Roy Hospital for Sick Children

Dr. M. Vandervyver Sunnybrook & Women's College HSC-Women's College Campus

Dr. S. Wong Sunnybrook & Women's College HSC-Sunnybrook Campus

Dr. A. Van Rensburg UHN - Toronto Western

Dr. R. Crago UHN - Toronto Western

Dr. W. Demajo UHN - Toronto General

Dr. B. Middleton UHN – Toronto Western

Foundations of Medical Practice Seminar Leaders

Dr. R. Chen	St. Michael's Hospital
Dr. M. Chochinov	Sunnybrook & Women's College HSC-Sunnybrook Campus
Dr. D. Cole	UHN: Mount Sinai
Dr. R. Crago	UHN: Toronto Western
Dr. S. Davies	UHN: Mount Sinai
Dr. M. Graham	Sunnybrook & Women's College HSC-Sunnybrook Campus
Dr. K. Lin	St. Michael's Hospital
Dr. W. Middleton	UHN: Toronto Western
Dr. A. Morgan	Sunnybrook & Women's College HSC-Women's College Campus
Dr. V. Naik	St. Michael's Hospital

Wightman-Berris Academy Director

Dr. J. Bradley UHN-Toronto General

The 8th Anaesthesia Information Evening for medical students was held in November 2004 under the leadership of Dr. I. Devito with the help of our third year medical student representative, Ben-Ari Fried. There were representatives from faculty involved in research, intensive care, regional anaesthesia, pain management, and education. Representatives from the post-graduate years were present including those involved in research programs. This was a very successful evening- again!

Clerkship

Anaesthesia and Emergency Medicine share a six-week block in the fourth year clerkship. There are three two-week anaesthesia rotations within each six-week block (six blocks in total). The fourth year clinical clerks are evaluated both on their clinical performance and by a written on-line examination which occurs in the computer laboratory at the medical school. Two hospital coordinators mark the written examination centrally. Anaesthesia staff at all teaching hospitals receive evaluations of their operating room teaching and their performance in seminars. Four seminars are given during each two-week rotation. Students complete on-line course and faculty evaluations immediately after their written examination.

Simulator Education Day

During the academic year, all final year medical students participated in the Simulator Educational Day at the Canadian Simulation Centre for Human Performance and Crisis Management Training at Sunnybrook & Women's College Health Sciences Centre. The focus this year was on procedural skills training in response to a needs assessment. Students do not feel that they are receiving adequate procedural skills training and therefore we purchased 3 part-task simulators and set up a program with 5 stations. The stations included simulators to allow: 1) intravenous catheter insertion 2) LMA insertion 3) bag and mask ventilation, endotracheal intubation 4) monitoring including pulse oximetry and capnography and 5) high-fidelity patient scenario. All stations had associated learning objectives. Facilitators were present to assist students in achievement of the learning objectives.

Electives

Many first and second year U of T medical students have arranged non-credited elective time with specific staff. Pre-clerkship medical students also arrange summer elective experiences in our departments, and many are involved in summer research projects.

CLERKSHIP SEMINAR LEADERS

Dr. P. Angle	Dr. V. Hughes	Dr. A. Sarmah
Dr. L. Bahrey	Dr. M. Jariani	Dr. Y. Suntheralingam
Dr. H. Chan	Dr. J. Kay	Dr. J. Tarshis
Dr. V. Chan	Dr. R. Ko	Dr. J. Teresi
Dr. M. Chochinov	Dr. J. Kronberg	Dr. P. Tumber
Dr. M E Cooke	Dr. A. Lee	Dr. M. Vandervyver
Dr. S. Davies	Dr. M. Levene	Dr. J. Wasserman
Dr. I. Devito	Dr. K. Lin	Dr. Z. Friedman
Dr. D. Djordjevic	Dr. A. Morgan	
Dr. E. Goldszmidt	Dr. V. Naik	
Dr. A. Ho	Dr. B. Pollard	
Dr. P. Houston	Dr. D. Riegert	

CLERKSHIP SIMULATOR TEACHING**FACULTY**

Dr. I. Devito
Dr. D. Djordjevic
Dr. R. Ko
Dr. K. Lin
Dr. P. Morgan
Dr. J. Robertson
Dr. A. Sarmah
Dr. P. Tumber

RESIDENTS

Dr. J. Agellon
Dr. R. Coombes
Dr. C. Idestrup
Dr. D. Irwin
Dr. N. Malik
Dr. R. Yue

POSTGRADUATE EDUCATION COMMITTEE

Program Director and PGEC Chair:

Dr. M. F. Levine

Program Coordinators:

Dr. W. Middleton	Toronto Western Hospital
Dr. S. Halpern	Sunnybrook & Women's HSC – Women's College Site
Dr. H. Fischer	Mount Sinai Hospital
Dr. H. Lee	Toronto East General Hospital
Dr. E. Ng	Hospital for Sick Children
Dr. I. McGhee	Sunnybrook & Women's HSC – Sunnybrook Site
Dr. P. Murphy	Toronto General Hospital
Dr. J. Wassermann	St. Michael's Hospital

Department Chair:

Dr. David Bevan

**Curriculum & Exams,
Chair Education committee:**

Dr. P. Houston

Anesthesia Simulator:

Dr. V. Naik

Education Committee UHN

Dr. I. Devito

Resident Counsellors:

Dr. B. Morningstar
Dr. D. Riegert

Residents:

PG1 Dr. Katherine Ryans
PG2 Dr. Hance Clarke
PG3 Dr. Diana Tamir
PG4 Dr. Dr. Kelly Chatterson
PG5 Dr. Robin Coombes

Research Committee Chair:

Dr. David Mazer

Program Assistant:

Ms. K. Bailey

At the end of June 2004, Dr. David McKnight stepped down after 15 years as Program Director and Chair of the Postgraduate Education Committee. We would like to thank Dr. McKnight for his commitment and dedication in molding the program into the successful program that it is today.

The Postgraduate Education Committee of the Department of Anaesthesia is composed of the Chair of the Department, Program Coordinators in charge of the teaching program at

each hospital, the Resident Counsellors, the Director of Education from the University Health Network, The Chair of the Education committee, the director of the simulator centre, the Chair of the Research Committee, one resident member from each of the PG year levels (elected by peers) and the Program Assistant. It is chaired by the Program Director. The Committee meets monthly to oversee all aspects of the training program in anaesthesia. Its responsibilities include selection, evaluation, and promotion of residents, and the design, operation, and evaluation of the teaching program.

In the 2004 – 2005 year, two candidates were evaluated through the Assessment Program for International Medical Graduates (APIMG). Both of these candidates were found to be ready for immediate practice and have entered practice in underserved areas in Ontario.

In the annual CaRMS Match, we continued our format of major interview days with multiple interviewers and interviewed a total of 66 candidates. This year we assigned two of the 14 available positions to the newly designated Clinician Investigator Stream. These positions were not filled but we were able to fill all 14 positions with good applicants from the regular stream. We also enrolled two Ontario International Medical Graduate Program residents and two new foreign funded residents from Saudi Arabia.

The Fellowship Program continues to be very active. There were **75** fellows from 24 countries in 2004–2005.

Expansion of the regional anesthesia service at the Orthopedic and Arthritic hospital has enabled us to offer expanded experience in regional anesthesia to all residents in the program.

In October 2004, a research day was held to introduce the PG 1 and PG 2 residents to some of the prominent researchers in the department and to the scope of research carried out in the department. The presentations were dynamic and varied and exposed residents to all aspects of life as a researcher.

A number of residents completed additional degrees in the past year. Dr. Alan Chaput completed a Masters in Epidemiology and has presented his work at a number of meetings, Dr. Jens Tan completed a Masters of Education with a particular focus on Knowledge Translation and Dr. Antoine Pronovost completed a Masters in Business Administration.

The annual Shields Anesthesia Research Day was held on Friday, May 6, 2005 at the Metro Convention Centre. The Shields Lecture, “*Intellectual Property, A Personal Perspective*” was delivered by Dr. Orlando Hung from Dalhousie University, Halifax, Nova Scotia.

The following awards were presented at the 2005 Shields Day:

- The Hynek Rothbart Award: Dr. Denis Rohan
- The Award for best presentation: Victor Cheng for his presentation: “*The role of tonic GABAergic inhibition in learning and memory.*”
- The Thomas Donald Hammel Award: Dr. Susan French
- The Alan K. Laws Travel Award: Dr. Alan Chaput
- The Dr. John Desmond Award: Dr. Dr. Jordan Tarshis
- The Dr. Gerald Edelist Award: Dr. David McKnight

In 2005, all the residents from our program were successful at the Royal College oral examinations. Congratulations to these residents who are now certified as specialists in anaesthesi

ANESTHESIA RESIDENTS 2004-2005

PGY1	Ahn, Richard Chang, Alvin Fourie, Ockert Lo, Nicholas Simmons, Collan	Au-Yeung, Elizabeth Coutinho, Christopher Fuger, Jason Riazi, Shiela Steward, Andrew	Borden, Andrew Donnelly, Thomas Joshi, Mital Ryans, Katharine
PGY2	Al Ali Raed Brunton, Jennifer Darby, Peter Li, Alyssa Marinov, Anton Simms, Kathryn	Al Sayegh, Yasser Clarke, Hance Hrdina, Josef Ko, Samuel Marwaha, Jasvir Weiss, Dov	Bernstein, Steven Darani, Rosemin Kim, Catherine Ligori, Tania Samuel, Daniella
PGY3	Abbass, Ali Akbar Alqasim, Rashad Ford, Meredith Kumar, Rohit Tamir, Diana	Abbass, Ali Asghar Bloom, Michael Grossi, Danny Lee, Hoi Kwan Welke, Timothy	Al-Kemyani, Nasser Chang, David Kong, Jonathan McHardy, Paul
PGY4	Al Atassi, Abdulaleem Chatterson, Kelly Heier, Krista Pronovost, Antoine Tan, Jens Yue, Randy	Bachler, Tony Gislason, Rachel Kealey, Alayne Rucker, Joshua Tibbet, Juliana	Chaput, Alan Hakim, Sania Malik, Nariman Salman, Aliya Yudin, Mark
PGY5	Abraham, Alan Coombes, Robin Hick, Anthony Jamensky, Neil Sarjeant, Jennifer Vora, Harish You-Ten, Eric	Agellon, John French, Susan Idestrup, Chris Jin, Fengling Singh, Dave Vuckovic Dejan	Blight, Kathy Green, Andrew Irwin, Darryl Railton, Craig Tanaka, Steven Wijeysundera, Duminda
FP Anesthesia	Ali, Fahim	Easo, Jamie	Yang, Malissa

U of T FELLOWSHIP RESEARCH SEMINAR SERIES

The Research Committee places a high priority on research education in the University of Toronto fellowship training program. To this end, a series of graduate level seminars on statistics, research design and research related computer skills was organized. The Research Committee is particularly grateful to the following individuals for teaching the following subjects.

November 10, 2004	Computer Literature Search 1 Ms. E. Uleryk
November 17, 2004	Computer Literature Search 2 Ms. E. Uleryk
November 24, 2004	Bibliographic Software Management Systems Ms. Adams-Webber
December 1, 2004	Critical Appraisal Dr. Stephen Halpern
December 8, 2004	Databases, Handling data Dr. Guy Petroz
December 15, 2004	Issues in Informed Consent Dr. David McKnight
January 12, 2005	Randomized Clinical Trials, Hypothesis Testing Dr. Patricia McGrath
January 19, 2005	Systematic Reviews Dr. Patricia McGrath
January 26, 2005	Measurement scales, Types of Data Ms. Nancy Sikich
February 2, 2005	Statistics 1: Tests for Parametric data: two groups Dr. Mark Crawford
February 9, 2005	Statistics 2: Sample Size and Power Analysis Dr. M. Crawford
February 16, 2005	Statistics 3: Confidence Intervals Dr. M. Crawford

February 23, 2005	Statistics 4: Tests for Nominal Data Dr. M. Crawford
March 2	Statistics 5: ANOVA 1 Dr. H. El-Beheiry
March 9, 2005	Statistics 6: ANOVA 2 Dr. H. El-Beheiry
March 23, 2005	Statistics 7: Linear Regression, Correlation Dr. H. El-Beheiry
March 30, 2005	Statistics 8: Logistic regression, Multivariate Analysis Dr. H. El-Beheiry
April 6, 2005	Statistics 9: Tests for Ordinal Data Dr. M. Crawford
April 13, 2005	Statistics 10: Statistical Software Dr. Guy Petroz
April 20, 2005	Slide Making (Powerpoint) Dr. Annette Vegas
April 27, 2005	Authorship Dr. Bruno Bissonnette
May 4, 2005	Pitfalls in Writing Scientific Manuscripts Dr. David Bevan
May 11, 2005	How to get your Paper Published Dr. Frances Chung
May 18, 2005	Relationships with Pharmaceutical Companies Dr. Robert Byrick
May 25, 2005	Scientific Misconduct Dr. David McKnight
June 1, 2005	Setting up a Research Laboratory Dr. Daisy Joo
June 8, 2005	How to get money for your research – Tips in writing grants

Dr. Beverley Orser

THE CLINICIAN-SCIENTIST STREAM

The Department of Anesthesia at the University of Toronto is recognized for its excellent postgraduate clinical training program. The teachers in the department are committed to training residents towards a broad range of career goals in both academic and community practice. These objectives are achieved through the strong commitment to education, excellent research training opportunities and exposure to a wide variety of clinical practice. The education of future academic anaesthetists is an important mission of the department and the clinician-scientist stream has been established as an opportunity to further this goal in the residency.

Goals:

- provide a small group of residents with fundamental training in research methodology
- foster critical thinking in a research environment of the highest quality
- prepare anesthesia trainees for careers as independent investigators in academic departments
- provide an opportunity for residents to contribute to the expansion of the fundamental understanding of anesthesia
- attain the above objectives in the context of excellent clinical training

The clinician-scientist stream is a component of the postgraduate training programme in Anesthesia. Potential participants are identified and recruited into the program during their PGY1 or PGY2 years of training. Residents commit at the outset to a minimum of two years of research during their residency. The trainee is registered in the University of Toronto Institute of Medical Sciences (or equivalent) in an MSc or PhD program. One year of this research training counts toward the Royal College requirements in Anesthesia.

The laboratory or area of interest in which the resident will work is selected during the PGY2 clinical year, after discussion with investigators from various disciplines. Residents in the Clinician-Scientist stream can start their research experience after the PGY2 year and complete clinical training following the research period.

Research Programmes:

Research interests of residents undertaking graduate research can include any of the following:

- molecular basis of anesthesia
- clinical epidemiology/outcomes research
- cardiovascular and cardiopulmonary physiology
- research in education
- clinical pharmacology
- neurophysiology
- pain research

Application to the Clinician-Scientist Stream:

Residents in the anesthesia program who wish to prepare for an academic research career are invited to apply for the Clinician-Scientist stream through the office of the Program Director. Each year funding is available for a maximum of two residents to participate in the Clinician-Scientist stream through the Alan K. Laws Clinician Scientist Fellowship.

Dr. Alan K. Laws Clinician-Scientist Fellowship Award

The Laws Fellowship will provide salary support for graduate student training (1-2 years). The recipient, where appropriate, will be registered in the Clinician Investigator Program (CIP) of the Royal College of Physicians and Surgeons of Canada. He/she will be an anesthesia resident or junior fellow (1-2 years after completing postgraduate training in anesthesia).

Candidates for this fellowship will be clinical anesthesiologists enrolled in a graduate program at the University of Toronto. If the successful candidate holds a PhD prior to anesthesia training, enrolment in the CIP will be sufficient.

The candidate will have a faculty supervisor approved by the Chair of the Department of Anesthesia, and the Graduate School Program in which he/she is enrolled.

The successful applicant must be accepted into the graduate program prior to applying for the Laws Fellowship.

Part of holding the award will include travel outside Canada at least once during the fellowship. The purpose is to experience anesthesia/research relevant to their field of interest. The term of travel should not exceed four weeks and expenses will be reimbursed from the fellowship.

After completing the fellowship, the recipient will present his/her work to members of the Department.

Dr. Alan Laws was born in Warwick, Australia and graduated as the gold medallist from the University of Queensland in 1961.

He undertook anesthesia training in England and moved to Toronto in 1966 as a Research Fellow, working with Dr. Barrie Fairley, a clinical anesthetist at the Toronto General Hospital. As a clinician-scientist, he studied the effects of anesthesia on respiratory mechanics.

Alan had an intense interest in teaching, especially at the postgraduate level. He held morning trouble rounds that became a model for other hospitals. He became very involved in the examination process and was Chair of the Royal College Written Test Committee from 1977-88 and was Chief Examiner in Anesthesia from 1980-87. Under his leadership, the examinations became more clinically oriented, a process that has continued to this day.

Alan demonstrated an exceptional intellect and insight into clinical medicine, as well as the ability to impart relevant information to residents. He loved to travel and had an incredible breadth of experience. After his premature death (January 1995), over 120 of Alan's friends, family and colleagues donated to a Memorial Trust Fund that provides an opportunity for a senior resident to travel and experience anesthesia practised elsewhere.



Dr. Alan Laws

**ANESTHESIA CLINICAL
WORKLOAD ESTIMATE
FOR UNIVERSITY
AFFILIATED HOSPITALS**

	Hospital for Sick Children	SWCHSC	SWCHSC: Women's College Site	Toronto East General Hospital	UHN: Toronto General Hospital	UHN: Toronto Western Hospital	Mount Sinai Hospital	St.Michael's Hospital
Number of Beds	300	531	120	450	370	277	472	540
Number ICU beds:	25	76	2	16		23	16	54
Total general anesthetics	18,300	20,000	4,313	15,250	8,623	6,325	9,380	14,283
Total regional anesthetics	22	n/a	89	*			6,120	1,273
Total deliveries	n/a	n/a	3,318	3,124			7,034	2,385
Total epidurals/spinals	130		1,606	2,274			5,899	1,968
% Caesarian sections	n/a	n/a	33%	25%			32%	30%
Pain Clinic	344	2,824	247	n/a		298	1,639	2,051
PCA	375		25					
Acute Pain Service:	777	4100	404	n/a	3,245	2,207	2,394	4,173

*included in total "general anesthetics"

SHIELDS ANESTHESIA RESEARCH DAY

The 26th Annual Shields' Research Day was held at the Metro Convention Centre on May 6, 2005

Shields Lecture: Dr. Orlando Hung, Departments of Anesthesia, Surgery, and Pharmacology, Dalhousie University, Halifax, Nova Scotia. Title: *Intellectual property: A personal perspective*

Twenty-three residents and fellows prepared papers for the session. These included:

1. **Dr. Massimiliano Meineri.** *Diastolic dysfunction and new onset of AF after CABG.* (Supervisor: Dr. George Djaiani)
2. **Dr. Rachel A. O'Farrell.** *Predicting massive blood loss in cardiac surgery.* (Supervisor: Keyvan Karkouti)
3. **Dr. Marcin Wasowicz.** *Impact of routine tranexamic acid in cardiac surgery: Single centre review.* (Supervisor: Jacek Karski)
4. **Dr. Chunhua Yu.** *Ischemic preconditioning with volatile anesthetics in CABG: A meta-analysis.* (Supervisor: W. Scott Beattie)
5. **Dr. Yuji Hirasaki.** *Nasogastric tubes after cardiac surgery: Impact on nausea and vomiting.* (Supervisor: George Djaiani)
6. **Dr. Duncan Williams.** *A retrospective analysis of intraoperative glucose control in diabetic patients undergoing coronary artery bypass graft surgery.* (Supervisor: Claude Laflamme)
7. **Dr. Leonid Minkovich.** *Effect of alveolar recruitment on oxygenation after cardiac surgery.* (Supervisor: George Djaiani)
8. **Dr. Oana Predescu.** *Role of Gabapentin in burned patients.* (Supervisor: Terry Smith)
9. **Dr. Georges Savoldelli.** *The evaluation of patient simulator performance as an adjunct to the oral examination for senior anesthesia residents.* (Supervisor: Viren N. Naik)
10. **Dr. Gordon Wong.** *Does Sevoflurane affect cerebral autoregulation in children?* (Supervisor: Bruno Bissonnette)

11. **Dr. Denis Rohan.** *Effect of Propofol and CPAP on airway size and configuration in infants.* (Supervisor: Mark Crawford)
12. **Dr. Maria Manaloto-Angeles.** *Perioperative management of patients of anticoagulants using thrombosis risk score.* (Supervisors: David Wong/Frances Chung)
13. **Dr. Huan Zhang.** *The use of autologous blood donation for live-donor right hepatectomy.* (Supervisor: Stuart A. McCluskey)
14. **Dr. Ayman Rofaeel.** *Combined spinal epidural analgesia in active labor: Effects of plain versus hyperbaric bupivacaine and fentanyl on block characteristics and maternal and fetal side effects.* (Supervisors: Eric Goldszmidt/Jose Carvalho)
15. **Dr. Alan Chaput.** *Meta-analysis of the analgesic efficacy of clonidine as an adjunct to epidural local anesthetics in postoperative pain.* (Supervisor: W. Scott Beattie)
16. **Dr. Suzanne Lilker.** *Ultralight PCEA in labor: Clinical assessment of theoretically equipotent mixtures of Bupivacaine-fentanyl and Bupivacaine-sufentanil.* (Supervisor: Jose Carvalho)
17. **Victor Cheng.** *The role of tonic GABAergic inhibition in learning and memory.* (Supervisor: Beverley A. Orser)
18. **Mary Chiu.** *Biochemical evidences of extrasynaptic $\alpha 5$ -GABA_A receptors in mice hippocampus.* (Supervisor: Beverley A. Orser)
19. **Dr. Francisco J. Herrera.** *Postoperative recover outcomes measurements after day surgery – an evidence-based review.* (Supervisor: Frances Chung)
20. **Dr. Imad Awad.** *Ultrasound versus nerve stimulator guided axillary brachial plexus block.* (Supervisor: Vincent Chan)
21. **Dr. Ahtsham Niazi.** *Ultrasound evaluation of paresthesia and nerve stimulation.* (Supervisor: Anahi Perlas)
22. **De. Jee Jian See.** *Ultrasound guided central venous catheter placement in neurosurgical patients.* (Supervisor: P.H. Manninen)
23. **George W. Kanellakos.** *Transesophageal echocardiography in mediastinal mass resection.* (Supervisor: Peter Slinger)

CONTINUING EDUCATION COMMITTEE

CME Chair: Dr. Peter Slinger

Committee Members:

Pamela Angle	Sunnybrook & Women's College Health Sciences Centre (WC)
Karen Cybulski	Hospital for Sick Children
Sharon Davies	Mount Sinai
Len Eisen	Mount Sinai
Mark Freidlander	North York General
Charles Knapp	North York General
Carol Loffelmann	St. Michael's Hospital
Jordan Tarshis	Sunnybrook & Women's College Health Sciences Centre
Martin Van der Vyver	Sunnybrook & Women's College Health Sciences Centre (WC)
Jean Wong	Toronto Western

The Continuing Education Committee for the Department of Anesthesia is comprised of representatives from each of the teaching hospitals as well as community based anesthesiologists. It meets regularly to discuss, plan and organize a number of continuing education initiatives. The committee endeavors to ensure that most CE activities qualify for University of Toronto sponsorship and are accredited learning activities.

Course Development

Each year the committee supervises the Anesthesia Practice Meeting. This meeting was organized by Dr. Martin Van der Vyver in 2004 and Dr. Pam Angle in 2005. This two-day course provides a combination of lectures, workshops and small group sessions. Over the past three years, the meeting has been extremely successful with unprecedented numbers of participants.

Course Sponsorship

The CME Committee aids in the development and accreditation of the following ongoing CME courses produced by the U of T Department of Anesthesia: In 2004-5 the following U of T Anesthesia courses were held

1. Ultra Sound Day, July 16, 2004 Toronto Western Hospital, contact: V. Chan (Vincent.chan@uhn.on.ca)
2. Regional Anesthesia and Pain Medicine, Oct. 1-3, Sutton Place Hotel, contact: V. Chan (Vincent.chan@uhn.on.ca)
3. Obstetric Anesthesia, Sept. 11, Mount Sinai Hospital, contact: Jose Carvalho (Jose.Carvalho@uhn.on.ca)
4. Transesophageal Echocardiography, Oct. 30-31, contact: Annette Vegas (Annette.Vegas@uhn.on.ca)

5. Toronto Anesthesia Practice, Nov. 26-28, Delta-Chelsea Hotel, contact: Martin Van Der Vyver (martin.vandervyver@sw.ca)
6. Tremblant Anesthesia Meeting, Feb. 18-21, 2005, Fairmont Hotel Mt. Tremblant; contact: Jordan Tarshis (jordan.tarshis@sw.ca)
7. Toronto Anesthesia Symposium: "Update on Airway Management". April 9-10, 2005, Sheraton Hotel. Contact: P. Slinger (peter.slinger@uhn.on.ca)
8. Controversies in Perioperative Med., May 14-21, 2005, Tuscany, Italy. Contact: Mark Friedlander (mark.friedlander@rogers.com)

City Wide Rounds

The Committee has begun a program of U of T Anesthesia Video-Conference Rounds for 2004-5 which are available via video-link to all teaching hospitals. These rounds were held five times in 2004-5:

Postoperative analgesia, SHSC, 9/04, Dr. Henrik Kehlet, presenting,
Infection Control in Anesthesia, TGH, 9/04, Dr.'s Gardham and Cooper
Follow-up of patients with Congenital Heart Disease, HSC12/04, Dr. McCrindle
Mentoring SMH, 2/05, Dr. Karen Leslie
Supra-glottic Airway Devices, TGH, 4/05, Dr. D. Ferson

Web-Based Learning

A website containing seven educational modules which can be accessed through the CME menu at : <http://www.anesthesia.utoronto.ca> has been developed by Sharon Davies (Mt. Sinai) These modules have been accredited by the University of Toronto for MainCert Category I credits.

Continuing Professional Development: The CME Committee plans to develop a grant program using funds generated by the U of T Anesthesia CME courses to enable the U of T Anesthesia faculty to pursue further education or projects related to CPD.

RESEARCH COMMITTEE

Research Chair: David Mazer

Committee Members:

Andrew Baker	St. Michael's Hospital
David Mazer	St. Michael's Hospital
Mark Crawford	Hospital for Sick Children
Brian Kavanagh	Hospital for Sick Children
David McKnight	Ethics, St. Michael's Hospital
Scott Beattie	University Health Network (Toronto General Hospital)
Peter Mak	University Health Network (Toronto Western Hospital)
Alison MacArthur	University Health Network (Mount Sinai Hospital)
Beverley Orser	SWCHSC (Sunnybrook Campus)
Pamela Angle	SWCHSC (Women's College Campus)
Mark Levine	Residency Program Director
Alan Chaput	Trainee Representative

Research Productivity and Funding Support

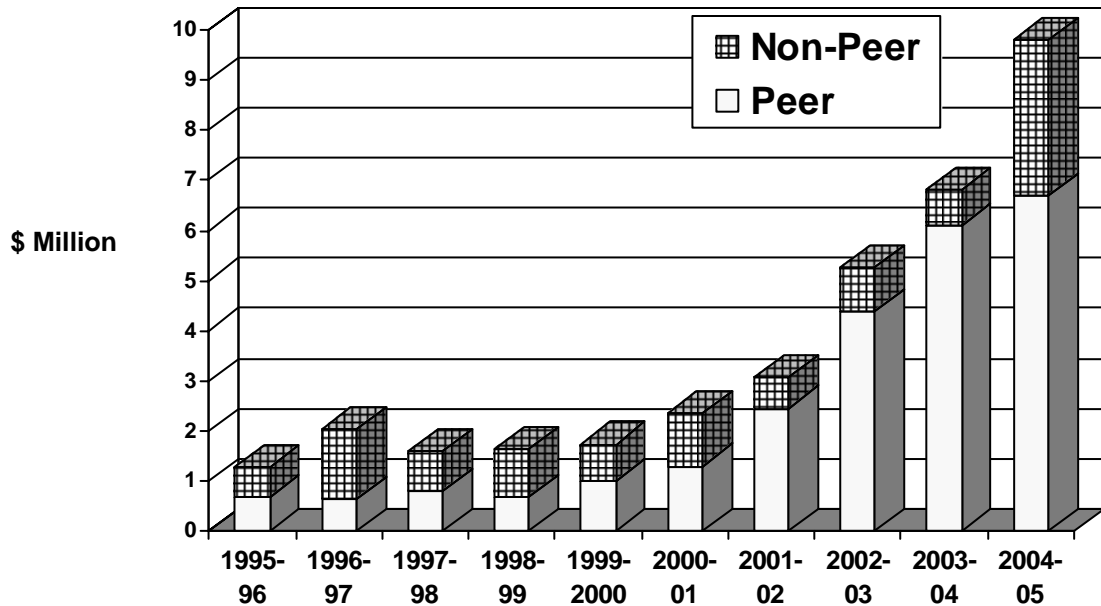
2004-2005 was another very successful year for the Department of Anesthesia. Research funding increased for the 6th consecutive year and now exceeds \$9 million. Peer-review funding continues to be the major source of research support, increasing by more than 5 fold in the last 5 years. In keeping with the department's priorities, research in neuroanesthesia, cardiorespiratory, critical care, pain, technology, education, patient safety, ambulatory and obstetrical anesthesia continue to be well supported.

Our productivity remains very competitive with other leading Departments of Anesthesia in North America, with 172 publications, 171 abstracts and 30 book chapters published this year (please refer to list of publications).

At the 2005 Canadian Anesthesiologists' Society meeting, the following department members received prominent research awards:

Dr. Gregory Hare – the Richard Knill Award and the Bristol-Myers Squibb Canada/CAS Career Scientist Award in Anesthesia and Peri-operative Medicine for “Mechanisms of cerebral protection and injury during acute hemodilutional anemia”.

Dr. Duminda Wijeyesundera – Canadian Anesthesiologists’ Society Research Award for “The EPIC (Evaluating Peri-operative Ischemia reduction by Clonidine) Study: A randomized double-blinded trial of clonidine for reducing cardiac morbidity and mortality following non-cardiac surgery”.



Other Selected Grants and Awards

- Dr. Scott Beattie was awarded a CIHR grant for “The perioperative epidural trial (POET): A pilot trial assessing the use of perioperative epidural anesthesia and analgesia in the reduction of major postoperative cardiopulmonary morbidity”.
- Dr. Frances Chung received funding from the Physicians’ Services Incorporated Foundation for a study of the “Elimination of preoperative testing in low-risk day surgery”.
- Drs. Viren Naik, Hwan Joo, and Patricia Houston received grants from The Canadian Anesthesiologists’ Society, the Dean’s Excellence Fund for Medical Education, and the Physicians’ Services Incorporated Foundation to study simulation-based training and performance for anesthesia residents.
- Dr. Keyvan Karkouti was awarded a CIHR grant for his study entitled “Development and validation of a clinical prediction rule for massive blood loss in cardiac surgery”.

- Dr. Brian Kavanagh was awarded a CIHR grant for “Therapeutic hypercapnia”.
- Dr. Wei-Yang Lu received funding from CIHR to study “Acetylcholinesterase in brain aging”.
- Dr. Haibo Zhang was awarded a CIHR grant for his study on “Human neutrophil peptides in lung inflammation”.
- Dr. Joe Fisher received grants from the U.S. government to study “Testing for highly mobile oxygen supplementation system and investigation of feasibility of integrating with battlefield ventilation device”.

PUBLICATIONS

Ai J, Baker A. Presynaptic excitability as a potential target for treatment of traumatic cerebellum. *Pharmacology* 2004; 71:192-198

Ahmed N, Hare GMT, Merkley J, Baker AJ. Open tracheostomy in a suspect severe acute respiratory syndrome (SARS) patient: brief technical communication. *Can J Surg* 2005; 4:68-71

Angle P, Tang S, Thompson D, Szalai, JP. Expectant Management of Postdural Puncture Headache and Length of Hospital Stay. *Can J Anesth* 2005; 52:397-402.

Arellano R, Gan B, Salpeter MJ, McCluskey SA, Yeo E, Irish J, Neligan P, Gullane P. Safety and efficacy of high dose Pentaspan™ vs. albumin in major reconstructive plastic surgery. *Anesth Analg* 2005;100(6):1846-1853

Ashraf W, Wong DT, Ronayne M, Williams D. Guidelines for preoperative administration of patients' home medications. *J Perianesth Nurs* 2004; 19:228-33

Awad IT, Chan V. Developing yet another spinal analgesic drug? *Can J Anesth* 2004; 51:871-4

Azami T, Preiss D, Somogyi R, Vesely A, Prisman E, Iscoe S, De Wolf A, Fisher JA. Calculation of O₂ consumption during low-flow anesthesia from tidal gas concentrations, flowmeter, and minute ventilation. *Biomed Eng and Computing* 2004; 18:325-332

Balki M, Manninen PH. Craniotomy for suprasellar meningioma in a 28-week pregnant woman without fetal heart rate monitoring. *Can J Anesth* 2004; 51:573-6

Balki M, Carvalho JCA, Castro C. Anesthesia for Cesarean Section in a Patient with Congenital Adrenal Hyperplasia. *Rev Bras Anesthesiol* 2004; 54(6):826-31.

Balki M, Carvalho JCA. Intraoperative nausea and vomiting during cesarean section under regional anesthesia. *Int J Obstet Anesth* 2005; 14:230-241.

Barlow R, Karsli C, Luginbuehl I, Bissonnette B. Desflurane increases cerebral blood flow velocity when used for rapid emergence from propofol anesthesia in children. *Can J Anesth* 2004; 51(8):824-8.

Beattie WS. Evidence based Perioperative risk reduction. *Can.J.Anaesth.* 52[supp], R5-R11. 2005.

Bell HJ, Duffin J. Respiratory response to passive limb movement is suppressed by a cognitive task. *J Appl Physiol* 2004 Dec; 97(6):2112-20

Berkenstadt H, Friedman Z, Preisman S, Keidan I, Livingstone D, Perel A. Pulse pressure and stroke volume variations during severe haemorrhage in ventilated dogs. *Br J Anaesth* 2005; 94(6):721-6.

Bevan DR. Genes, race and drug (Editorial). *Clinical and Investigative Medicine* 2004; 27:5-6

Bevan DR. Impact Factor – 2002: Too much impact? (Editorial) *Clinical and Investigative Medicine* 2004; 27:65-6

Bissonnette B. Cerebral protection. *Ped Anesth* 2004 May; 14(5):403-6. Review.

Bohn DJ. Pushing the boundaries for the use of ECMO in acute hypoxic respiratory failure. *Intensive Care Med* 2005; 31:896-97.

Brill S, McCartney CJ, Sawyer RJ, Chan VW. Intra-articular ketamine-a dose finding study. *The Pain Clinic* 2005; 17:25-30

Brouwers M, Johnston M, Charette M, Hanna S, Jadad A, Browman G. Evaluating the role of quality assessment of primary studies in systematic reviews of cancer practice guidelines. *BMC Medical Research Methodology* 2005, 5:8

Brown, SC, Stinson J. Treatment of pediatric chronic pain with Tramadol: Siblings with Ehlers-Danlos Syndrome – Hypermobility type (EDS type III) Case report. *Pain Research & Management* 2004; 9(4):209-211.

Brown SC, Stinson J, Campbell F, McGrath PA. Treatment of Paediatric Chronic Pain with Tramadol: Siblings with Ehlers-Danlos Syndrome Type III (Hypermobility Type). 13th World Congress of Anaesthesiologists - Paris 2004 (P0330).

Brull R, McCartney CJL, Chan VWS. A novel approach to infraclavicular brachial plexus block: the ultrasound experience (letter). *Anesth Analg* 2004; 99:950

Brull R, Sawyer RJ, Von Schroeder HP, McCartney CJL. The indications and application of interscalene brachial plexus block for surgery about the shoulder. *Acute Pain* 2004; 6:57-77

Bryson GL, Chung F, Finegan BA, Friedman Z, Miller DR, van Vlymen J, Cox RG, Crowe MJ, Fuller J, Henderson C; Canadian Ambulatory Anesthesia Research Education Group. Patient selection in ambulatory anesthesia – An evidence-based review: part I. *Can J Anesth* 2004; 51(8):768-81.

Bryson GL, Chung F, Cox RG, Crowe MJ, Fuller J, Henderson C, Finegan BA, Friedman Z, Miller DR, van Vlymen J; Canadian Ambulatory Anesthesia Research

Education Group. Patient selection in ambulatory anesthesia – An evidence-based review: part II. *Can J Anesth* 2004; 51(8):782-94.

Byrick R.J. Causes of Brain Injury During Orthopedic Surgery. (invited editorial) *Can J Anesth* 2004; 51(9):867-70

Caraiscos VB, Elliott EM, You-Ten KKE, Cheng VY, Belelli D, Newell JG, Jackson MF, Lambert JJ, Rosahl TW, Wafford KA, MacDonald JF, Orser BA. Tonic inhibition in mouse hippocampal CA1 pyramidal neurons is mediated by $\alpha 5$ subunit-containing GABA_A receptors. *Proc Nat Acad Sci*, 9; 101(10):3662-7.

Caraiscos VB, Newell JG, You-Ten KE, Elliott EM, Rosahl TW, Wafford KA, MacDonald JF, Orser BA. Selective Enhancement of Tonic GABAergic Inhibition in Murine Hippocampal Neurons by Low Concentrations of the Volatile Anesthetic, Isoflurane. *J Neurosci* 29; 24(39):8454-8.

Carvalho JCA. Revista Brasileira de Anestesiologia Bilingue e On-Line: Exsicção e Responsabilidade. *Rev Bras Anesthesiol* 2004; 54(6):753-54.

Carvalho JCA, Balki M, Kingdom J, Windrim R. Oxytocin Requirements at Elective Cesarean Delivery: A Dose-Finding Study. *Am Coll Obst Gyn* 2004; 104(5):1005-10.

Caufeild J, Singhal A, Moulton R, Brenneman F, Redelmeier D, Baker AJ. Trauma recidivism in a large urban Canadian population. *J of Trauma* 2004; 57(4):872-876

Chamchad D, Karski J, David T, Djaiani G, Butany J. Chronic paravalvular abscess after aortic valve replacement. *J Cardiothorac Vasc Anesth* 2004; 18:820-1

Chan VWS, Perlas A. Response to: One View Is No View [letter]. *Anesth Analg* 2004; 98:1812-3

Chapman M, Suntharalingam G, Cousins J, Gattas D. Scanning the horizon: emerging hospital-wide technologies and their impact on critical care, *Critical Care* 2005, 9:12-15

Chapman M, Gattas D, Ayer R, Suntharalingam G. Carbon dioxide monitoring and evidence-based practice – now you see it, now you don't *Critical Care* 2004, 8:219-221

Choi PT, Beattie WS, Bender JS, Wijesundera DN. Nitrates for the prevention of cardiac morbidity and mortality in patients undergoing noncardiac surgery (protocol for a Cochrane Review. *The Cochrane Database of Systematic Reviews*. 2004, Issue 4

Chiu PPL, Kim PCW, Forte V, Holtby H, Caldarone CA, Coles J, Cox PN, Bohn D, Edgell D, Foreman C, Gruenwald G, (Airway Reconstruction Team). Recent challenges in the management of congenital tracheal stenosis: an individualized approach. *J Pediatric Surgery*, 2005; 40:774-780.

Cohen, L., Fouladi, R.T., Katz, J. Preoperative coping strategies and distress predict postoperative pain and analgesic consumption in women undergoing abdominal gynecologic surgery. *Journal of Psychosomatic Research*, 2005;58, 201-209

Cooper RM, Pacey JA, Bishop MJ, McCluskey SA. Early clinical experience with a new videolaryngoscope (GlideScope). *Can J Anesth* 2005; 52:91-8

Cooper RM. Airway Cam™ Video Series, Volume 4: Secrets of Curved Blade Laryngoscopy: R.M. Levitan, W. Kinkle, E.A. Ochroch (Eds). *Can J Anesth* 2004; 51: 524-a

Crawford MW, Hayes J, Tan J. Dose-response of remifentanyl hydrochloride for tracheal intubation in infants. *Anesth Analg* 2005; 100:599-1604

Crawford MW, Ho D, Shams M, Gow R. Magnesium deficiency alters the threshold for epinephrine-induced arrhythmias during sevoflurane or halothane anesthesia in the rat. *J Cardiothorac Vasc Anesth* 2004; 18:313-316

Crawford MW, Speakman M, Carver E, Kim PCW. Acute chest syndrome shows a predilection for basal lung regions on the side of upper abdominal surgery. *Can J Anesth* 2004; 51:707-11

Dai B, Wang L, Djaiani G, Mazer D. Continuous and discontinuous cell washing autotransfusion systems. *J Cardiothorac Vasc Anesth* 2004; 18:210-7

Davies S, Mordani K. Anesthetic management of laparoscopic surgery for twin to twin transfusion syndrome. *Can J Anesth* 2004; 51:945-946.

Davis S, Sibbald G, Rachlis A, Ryan D, Davies S, Parikh S. SARS and the delivery of CME: a case study from Toronto. *Journal of Continuing Education in the Health Professions* 2004; 24:2:76-81.

Del Sorbo L, Zhang H. Is there a place for N-acetylcysteine in the treatment of septic shock? *Critical Care* 2004; 8:93-5

Devereaux PJ, Beattie WS, Choi P., Badner NH, Guyatt G, and et al. How Strong is the Evidence for the use of perioperative Beta-blockers in non-cardiac surgery? Systematic review and meta-analysis of randomized controlled trials. *BMJ* 2005; 331:313-21

Djaiani G, Fedorko L, Beattie WS. Regional anesthesia in cardiac surgery: a friend or a foe? *Semin Cardiothorac Vasc Anesth.* 2005 Mar; 9(1):87-104

Djaiani G, Fedorko L, Borger M, Mikulis D. Carroll J, Cheng D, Karkouti K, Beattie S. Karski J. Mild to moderate atheromatous disease of the thoracic aorta and new

ischemic brain lesions after conventional coronary artery bypass graft surgery. *Stroke* 2004; 35(9):e356-e358

Djaiani G, Phillips-Bute B, Podgoreanu M, Messier R, Mathew J, Clements F, Newman M. The association of patent foramen ovale and atrial fibrillation after coronary artery bypass graft surgery. *Anesth Analg* 2004; 98:585-9

Dong H, Xiang Y, Farchi N, Ju W, Wu Y, Chen L, Wang Y, Hochner B, Yang B, Soreq H, Lu W-Y. Excess acetylcholinesterase impairs glutamatergic synaptogenesis in hippocampal neurons. *J Neurosci* 2004 Oct; 24(1):8950-8960.

Dos Santos C, Zhang H (C), Liu M, Slutsky AS. Bench-to-bedside review: Biotrauma and modulation of the innate immune response. *Critical Care* 2005, (5 January 2005 electronic publication)

Drake J, Crawford MW. Near miss injection of anesthetic agent into cerebrospinal fluid external ventricular drain. Special Report. *Neurosurgery* 2005; 56(5):E1161.

Duffin J. Functional organization of respiratory neurones: a brief review of current questions and speculations. *Exp Physiol.* 2004 Sep; 89(5):517-29.

Duggan M, Engelberts D, Jankov RP, Worrall JM, Qu R, Hare GMT, Tanswell AK, Mullen JB, Kavanagh BP. Hypocapnia attenuates mesenteric ischemia-reperfusion injury in a rat model. *Can J Anesth* 2005; 52:262-268.

Dworkin RH, Turk DC, Farrar JT, Haythornthwaite JA, Jensen MP, Katz NP, Kerns RD, Stucki G, Allen RR, Bellamy N, Carr DB, Chandler J, Cowan P, Dionne R, Galer BS, Hertz S, Jadad AR, Kramer LD, Manning DC, Martin S, McCormick CG, McDermott MP, McGrath P, Quessy S, Rappaport BA, Robbins W, Robinson JP, Rothman M, Royal MA, Simon L, Stauffer JW, Stein W, Tollet J, Wernicke J, Witter J. Core outcome measures for chronic pain clinical trials: IMMPACT recommendations. *Pain.* 2005; 113:9-19

Emery J, Ho D, MacKeen L, Heon E, Bissonnette B. Pupillary reflex dilation and skin temperature to assess sensory level during combined general and caudal anesthesia in children. *Ped Anesth* 2004 Sept; 14(9):768-73.

Enneking FK, Chan V, Greger J, Hadzic A, Lang SA, Horlocker TT. Lower-extremity peripheral nerve blockade: essentials of our current understanding. *Reg Anesth Pain Med* 2005; 30:4-35

Fayaz M, Abel R, Pugh S, Hall J, Djaiani G, Mecklenburgh J. Opioid-sparing effects of diclofenac and paracetamol lead to improved outcomes after cardiac surgery. *J Cardiothorac Vasc Anesth* 2004; 18:742-7

Fox P, Solomon P, Raina P, Jadad AR. Barriers and facilitators in pain management in long-term care institutions: A qualitative study. *Can J Ageing* 2004; 171:764-765

Friedman Z. Cardiac patients and ambulatory surgery: Still controversial? SAMBA newsletter, October 2004. <http://www.sambahq.org/professional-info/newsletter/October2004.pdf>

Friedman Z. Targets for Future Research: Selecting Patient Selection. SAMBA newsletter, April 2005. <http://www.sambahq.org/professional-info/newsletter/April2005.pdf>

Gerancher JC, Viscusi ER, Liguori GA, McCartney CJ, Williams BA, Ilfeld BM, Grant SA, Hebl JR, Hadzic A. Development of a standardized peripheral nerve block procedure note form. *Reg Anesth Pain Med.* 2005; 30:67-71

Gilmore E, Hudson C, Preiss D, Fisher JA. Retinal arteriolar diameter, blood velocity and blood flow response to an isocapnic hypoxic provocation. *Am J Physiology-Heart and Circulatory Physiology* 2005 Jun; 288(6):H2912-7

Gilmore E, Hudson C, Venkataraman S, Preiss D, Fisher JA. Comparison of different hyperoxic paradigms to induce vasoconstriction - Implications for the investigation of retinal vascular reactivity. *Investigative Ophthalmology and Visual Science* 2004; 45(9):3207-3212

Goldszmidt E. Awake intubation is indicated in pregnant women with difficult airways. *Anesth Analg* 2004; 99:1577.

Gong X-Q, randsen A, Lu W-Y, Wan Y, Zabek RL, Pickering DS, Bai D. D-Aspartate and NMDA, but not L-aspartate, blocks AMPA receptors in rat hippocampal neurons. *BJ Pharm* 2005 June; 145(4):449-59.

Goodwin SR, Haberkern C, Crawford MW, McDade B, Jackson E, Lerman J, Mancuso T, Yaster M. Sickle cell disease and anesthesia: Do not abandon well established practices without evidence. *Anesthesiology* 2005; 103:205

Halifax N, Gray R, Jadad AR. Barriers and facilitators in pain management in long-term care institutions: A qualitative study. *Can J Ageing* 2004; 171:764-765

Halpern SH, Muir H, Breen TW, Campbell DC, Barrett J, Liston R, Blanchard JW. Multicentered Randomized Controlled Trial Comparing Patient-Controlled Epidural to Intravenous Analgesia for Pain Relief in Labor. *Anesth Analg* 2004; 99:1532-1538.

Halpern SH, Darani R., Douglas MJ , Wight W, Yee J. Compliance with the CONSORT Checklist in Obstetrical Anaesthesia Randomized Controlled Trials. *Int J Obstet Anesth* 2004; 13:207-14.

Halpern SH. Low concentration epidural infusion increases the risk of instrumental vaginal delivery, but not cesarean delivery—meta-analysis. *Evidence Based Obstetrics and Gynaecology* 2005; 66-67.

Hare MT, Hum KM, Kim SY, Barr A, Baker AJ, Mazer CD. Increased cerebral tissue oxygen tension following extensive hemodilution with a hemoglobin based oxygen carrier. *Anesth and Analg* 2004; 99:528-535

Hayes J, Ames W, Crawford MW. The role of corticosteroids in Duchenne muscular dystrophy: A review for the anesthesiologist. *Paed Anesth* 2005; 15:3-8

Hayes JA, Kahr WHA, Lo B, Macpherson BA. Liver biopsy complicated by hemorrhage in a patient with ARC syndrome. *Paediatric Anaesth* 2004; 14(11):960-3.

Ho A, Rizo C, Enkin M, Jadad A. What is eHealth (3) A systematic review of published definitions. *Journal of Medical Internet Research* 2005; 7(1):e1
[<http://www.jmir.org/2005/1/e1/>]

Ho RY, Wong DT. Anesthesiology: the misunderstood occupation! [letter] *Can J Anesth* 2005; 52:208-9

Hoskote A, Li J, Hickey C, Erickson S, Van Arsdell G, Stephens D, Holtby H, Bohn D, Adatia I. The effects of carbon dioxide on oxygenation, systemic, cerebral and pulmonary vascular hemodynamics after the bidirectional superior cavopulmonary anastomosis. *J Am Coll Cardiol* 2004; 44:1501-09.

Hunter JP, Katz J. & Davis, K.D. Dissociation of phantom limb phenomena from stump tactile spatial acuity and sensory thresholds. *Brain*, 2005; 128:308-320. Epub 2005 Jan 05

Ioscovich, A, Elstein Y, Halpern SH, Vatashsky E, Grisaru-Granovsky S, Elstein D. Anesthesia for Obstetric Patients with Gaucher Disease. *Int J Obstet Anesth* 2004; 13:244-50.

Jadad A, Rizo C, Cubillos P, Stahl E. Measuring symptom response to pharmacological interventions in patients with COPD: a review of instruments used in clinical trials. *Current Medical Research and Opinion* 2004; 20:1993-2005

Jadad AR. A view from the Internet age: Let's build a health system that meets the needs of the next generation. *CMAJ* 2004; 171:1457-8

Joo HS, Naik Vn, Savoldellit GL. Parker Flex-Tip™ Are Not Superior to Polyvinylchloride Tracheal Tubes for Awake Fiberoptic Intubations. *Can J Anesth* 2005; 52(3):297-301

Karkouti K, Beattie WS, Wijeyesundera DN, Rao V, Chan C, Dattilo KM, Djaiani G, Ivanov J, Karski J, David TE, Hemodilution during cardiopulmonary bypass is an

independent risk factor for acute renal failure in adult cardiac surgery. [Journal Article] Journal of Thoracic & Cardiovascular Surgery. 2005;129(2):391-400

Karkouti K, Beattie WS, Wijeyesundera DN, Yau TM, McCluskey SA, Ghannam M, Sutton D, van Rensburg A, Karski J. Recombinant factor VIIa (rF-VIIa-VIIa) for intractable blood loss after cardiac surgery: a propensity score-matched case-control analysis. Transfusion 2005; 45(1):26-34

Karkouti K, McCluskey S, Evans L, Mahomed N, Ghannam M, Davey R. Erythropoietin is an effective modality in reducing RBC transfusion in joint surgery. Can J Anesth 2005; 52:362-368

Karkouti K, Wijeyesundera DN, Yau TM, Beattie WS, Abdelnaem E, McCluskey SA, Ghannam M, Yeo E, Djaiani G, Karski J. The independent association of massive blood loss with mortality in cardiac surgery. Transfusion 2004; 44(10):1453-1462

Karsli C, Luginbuehl I, Bissonnette B. The cerebrovascular response to hypocapnia in children receiving propofol. Anesth Analg 2004 Oct; 99(4):1049-52

Katz J, Cohen L. Preventive analgesia is associated with reduced pain disability three weeks but not six months after abdominal gynecological surgery by laparotomy. Anesthesiology, 2004; 101: 169-174

Katz, J, Schmid, R., Snijdelaar, D.G., Coderre, T.J., McCartney, C., Wowk. A. Pre-emptive analgesia using intravenous fentanyl plus low-dose ketamine for radical prostatectomy under general anesthesia does not produce short term or long term reductions in pain or analgesic use. Pain 2004; 110:707-718

Katznelson R, Hegesh T, Mishali D, Perel A, Keidan. Spinal anesthesia in infants undergoing diagnostic cardiac catheterization. Paediatr Anaesth. 2005 Jan; 15(1):50-3

Katznelson R, Perel A, Preisman S, Berkenstadt H, Segal E. Extravascular lung water (EVLW) measured by a single indicator dilution technique in dogs – correlation with gravimetric measurements. Critical Care Medicine 2004 Jul; 32(7):1550-4

Kim C, Crago R, Chan V, Simons M. Thyroid cyst puncture during cannulation of the internal jugular vein. Can J Anesth 2005; 52: 655-6

Klein A, Djaiani G, Karski J, Carroll J, Karkouti K, McCluskey K, Poonawala H, Shayan C, Fedorko L, Cheng D. Acupressure Treatment and Postoperative Nausea and Vomiting in Patients Undergoing Cardiac Surgery. J Cardiothorac Vasc Anesth 2004; 18:68-71

Kleinman S, Caulfield T, Chan P, Davenport R, McFarland J, McPhedran S, Meade M, Morrison D, Pinsent T, Robillard P, Slinger P. Towards an Understanding of

Transfusion Related Acute Lung Injury (TRALI): Statement of a Consensus Panel. *Transfusion* 2004; 44:1774-89

Lagace A, Karsli C, Luginbuehl I, Bissonnette B. The effect of remifentanyl on cerebral blood flow velocity in children anesthetized with propofol. *Ped Anesth* 2004; 14(10):861-5.

Landis MS, Bradley J, MD. The Impact of SARS Outbreak on Medical Students at the University of Toronto. *University of Toronto Medical Journal* May 2005; (82) 3

Lee J-H, Slutsky AS, Zhang H. ICAM-1 mediates cellular crosstalk between parenchymal and immune cells after LPS neutralization. *J of Immunology* 2004; 172:608-616

Li J, Hoskote A, Hickey C, Stephens D, Bohn D, Holtby H, Van Arsdell G, Redington AN, Adatia I. The effect of carbon dioxide on systemic oxygen consumption and blood lactate levels after the bidirectional superior cavopulmonary anastomosis. *Crit Care Med* 2005; 33:984-89

Li YM, Duffin J. Developmental changes in transmission of respiratory rhythm in the rat. *Respir Physiol Neurobiol.* 2004 Sep 15; 142(2-3):153-63

Lingard L, Espin S, Whyte S, Tegerhr G, Baker GR, Reznick R, Bohnen J, Orser B, Doran D, Grober E. Communication failures in the operating room: an observational classification of recurrent types and effects. *Qual Saf Health Care.* 13:330-4. Referenced in the comprehensive OR management bibliography (www.franklindexter.net/bibliography_SurgicalServices.htm)

Lingard L, Espin S, Rubin B, Whyte S, Regehr G, Baker GR, Reznick R, Bohnen J, Orser B, Doran D, Grober E. Getting Teams to Talk: Development and Pilot Implementation of a Checklist to Promote Safer Operating Room Communication. *Qual Saf Health Care* 2004; 13(5):330-4

Lorca-Gomaz J, Jadad A. Telemedicina asincrona: Una amenaza o la salvacion del sistema sanitario en la era de la e-Salud? *Revista eSalud* 2005 February; 1 (1)

Lorca-Gomez J, Jadad A. e-Salud: ayudando a acelerar la transformacion del sistema sanitario en la de Internet. *Revista eSalud* 2005 February 9; 1 (1) [<http://www.revistaesalud.com/revistaesalud/viewarticle.php?id=24>]

Lukins MB, Manninen PH. Hyperglycemia in patients administered dexamethasone for craniotomy. *Anesth Analg* 2005; 100:1129-33

Lu W-Y, Dong H, Xiang Y-Y, Farchi N, Ju W, Wu Y, Chen L, Wang Y, Hochner B, Yang B, Soreq H. Excess acetylcholinesterase impairs glutamatergic synaptogenesis in hippocampal neurons. *J. Neurosci.* 24(41):8950-8960

Lu W-Y, Gong X-Q, Frandsen A, Wan Y, Zabek RL, Pickering RS and Bai D. D-Aspartate and NMDA, but not L-aspartate, blocks AMPA receptors in rat hippocampal neurons. *Br J Pharmacology* 2005 Jun; 145(4):449-59.

Macarthur A, Gagnon S, Tureanu LM, Downey KN. Anesthesia facilitation of external cephalic version: A meta-analysis. *Am J Obst Gyn* 2004; 191(4):1219-1224.

Macarthur, A, Macarthur C. Incidence, severity and determinants of perineal pain following vaginal delivery: A prospective cohort study. *Am J Obst Gyn* 2004; 191(4):1199-1204.

Mahamed S, Tsai J, Duffin J. Cardio-respiratory measures following isocapnic voluntary hyperventilation. *Respir Physiol Neurobiol* 2004; 142(1):13-25

Mahamed S, Hanly PJ, Gabor J, Beecroft J, Duffin J. Overnight changes of chemoreflex control in obstructive sleep apnoea patients. *Respir Physiol Neurobiol* 2005 Apr 15; 146(2-3):279-90

Manninen P, Sarjeant R, Joshi M. Posterior tibial nerve and median nerve somatosensory evoked potential monitoring during carotid endarterectomy. *Can J Anesth.* 2004; 51:937-41

McCartney CJL, Gardner-Nix J, Stinson J. Round table discussion on chronic pain. *Parkhurst Exchange* 2004; 12:126-131

McCartney CJL. Acute pain control after surgery: basic right or unnecessary luxury? *Parkhurst Exchange* 2004; 12: 74-79

McCartney CJ, Brauner I, Chan VW. Ultrasound guidance for a lateral approach to the sciatic nerve in the popliteal fossa. *Anaesthesia.* 2004; 59:1023-5

McCartney CJL. We need to educate about perioperative pain control and not just regional anesthesia (letter). *Reg Anesth Pain Med* 2004; 29:382

McCartney CJL, Brull R, Chan VW, Katz J, Abbas S, Graham B, Nova H, Rawson R, Anastakis DJ, von Schroeer H. Early but no long-term benefit of regional compared with general anesthesia for ambulatory hand surgery. *Anesthesiology* 2004; 101:461-7

McCartney CJL, Brull R, Chan VW, Chung F. Response to letter. *Anesth Analg* 2004; 99:1272

McCartney CJ, Sinha A, Katz J. A Qualitative systematic review of the role of N-Methyl D-Aspartate receptor antagonists in preventive analgesia. *Anesth Analg* 2004; 98:1385-1400

McGrath B, Elgendy H, Chung F, Kamming D, Curti B, King S. Thirty percent of patients have moderate to severe pain 24 hours after ambulatory surgery: A survey of 5,703 patients. *Can J Anesth* 2004; 51:886-91

Merah NA, Wong DT, Ffoulkes-Crabbe DJ, Kushimo OT, Bode CO. Modified Mallampati test, thyromental distance and inter-incisor gap are the best predictors of difficult laryngoscopy in West Africans. *Can J Anesth.* 2005; 52:291-6

Morgan PJ, Cleave-Hogg D, DeSousa S, Tarshis J. High-fidelity patient simulation: validation of performance checklists. *Br J Anaesth* 2004; 92(3):388-92.

Naik VN, Levine M, Orser BA. Grow Your Own: Strategies to Develop Anesthesia Researchers. *Can J Anesth* 2005; 52:43-7447.

The Ontario Congenital Anomalies Study Group Scott L, Cameron B, Grace N, Bass J, Panaeru D, Mah D, Masiakos P, Bohn D, Wales P, Kim PCW. Apparent truth about congenital diaphragmatic hernia (CDH): A population-based database is needed to establish benchmarking for clinical outcomes for CDH. *J Pediatr Surg* 2004; 39:661-65.

Orser BA, Byrick R. Anesthesia-related medication error: time to take action. *Can J Anesth* 2004; 51(8)756-760.

Pattinson KTS, Somogyi R, Fisher JA, Bradwell AR and the Birmingham Medical Research Expeditionary Society. Efficient breathing circuit for use at altitude. *J Wilderness and Environmental Medicine* 2005; 16(2):101-3

Peng PW. Intracranial hypotension with severe neurological symptoms resolved by epidural blood patch. *Can J Neurol Sci* 2004; 31:569-71

Peng PW, Castano ED. Survey of chronic pain practice by anesthesiologists in Canada. *Can J Anaesth* 2005; 52:383-9

Peng PWH, Tumber PS, Gourlay D. Perioperative pain management of patients on methadone therapy. *Can J Anesth* 52:513-23

Peng P, Rudich Z, Dunn E, McCartney CJ. Long term stability of clonidine in clonidine-hydromorphone mixture in implanted intrathecal infusion pumps. *J Pain Symp Manage* 2004; 28:599-602

Perel A, Berkenstadt H, Ziv A, Katznelson R, Aitkenhead A. Anesthesiologists' views on the need for point-of-care information system in the operating room: a survey of the European Society of Anesthesiologists. *Eur J Anaesthesiol* 2004 Nov; 21(11):898-901

Perlas A, Chan VWS. Neuraxial anesthesia and multiple sclerosis. *Can J Anesth* 2005; 52:454-8

Perlas A, Chan VWS. Ultrasound-guided interscalene brachial plexus block. *Techniques in Regional Anesthesia and Pain Management* 2004; 8:143-8

Pong S, Seto W, Abdolell M, Trope A, Wong K, Herridge J, Harvey E, Kavanagh BP. 12-hour versus 24-hour creatinine clearance in critically ill pediatric patients. *Pediatr Res* 2005; 58:83-88.

Porter JM, McCartney CJL, Chan VWS. Needle placement and injection posterior to the axillary artery may predict successful infraclavicular brachial plexus block: a report of three cases. *Can J Anesth* 2005; 52:69-73

Prabhu A, Matta B. Anaesthesia for extra-cranial surgery in patients with traumatic brain injury. *Contin Educ in Anaesth Crit Care Pain* 2004; 4:156-9

Rowney DA, Fairgrieve R, Bissonnette B. The effect of nitrous oxide on cerebral blood flow velocity in children anaesthetised with sevoflurane. *Anaesthesia* 2004 Jan; 9(1):10-4

Rudich Z, Peng P, Dunn E, McCartney C. Stability of clonidine in clonidine-hydromorphone mixture from implanted intrathecal infusion pumps in chronic pain patients. *J Pain Symptom Manage* 2004; 28:599-602

Salomons T, Osterman JE, Gagliese L, Katz J. Pain flashbacks in posttraumatic stress disorder. *Clinical Journal of Pain* 2004; 20:83-87

Shimizu N, Gilder F, Bissonnette B, Coles J, Bohn D, Miyasaka K. Brain tissue oxygenation index measured by near infrared spatially resolved spectroscopy agreed with jugular bulb oxygen saturation in normal pediatric brain: a pilot study. *Childs Nerv Syst.* 2005 Mar; 21(3):181-4. Epub 2005 Jan 11.

Sikich N, Lerman J. Development and Psychometric Evaluation of the Pediatric Anesthesia Emergence Delirium Scale. *Anesthesiology* 2004; 100:1138

Simmons C, Nyhof-Young J, Bradley J. Shoestring Budgets, Band-Aids, and Team Work: Challenges and Motivators in the Development of a Web-Based Resource for Undergraduate Clinical Skills Teaching. 7(2):e14. <http://www.jmir.org/2005/2/e14/> (CPA) May 2005

Smith JH, Karsli C, Lagace A, Luginbuehl I, Barlow R, Bissonnette B. Cerebral blood flow velocity increases when propofol is changed to desflurane, but not when isoflurane is changed to desflurane in children. *Acta Anaesthesiol Scand.* 2005 Jan; 49(1):23-7.

Snijdelaar DG, Cornelisse HB, Schmid RL, Katz J. A randomised, controlled study of peri-operative low dose s(+)-ketamine in combination with postoperative patient-

controlled s(+)-ketamine and morphine after radical prostatectomy. *Anaesthesia* 2004; 59:222-228

Snijdelaar DG, Koren G, Katz J. Effects of perioperative oral amantadine on postoperative pain and morphine consumption in patients after radical prostatectomy: results of a preliminary study. *Anesthesiology* 2004; 100:134-141

Somogyi R, Vesely AE, Azami T, Preiss D, Fisher JA, Correia J, Fowler RA. Dispersal of respiratory droplets with open versus closed oxygen delivery masks: implications for the transmission of SARS. *Chest*. 2004 Mar; 125(3):1155-1157

Somogyi RB, Preiss D, Vesely A, Fisher JA, Duffin J. Changes in respiratory control after 5 days at altitude. *Respir Physiol Neurobiol* 2005 Jan15; 145(1):41-52

Song D, Chung F, Ronayne M, Ward B, Yogendran S, Sibbick C. Fast-Tracking (bypassing the PACU) does not reduce nursing workload after ambulatory surgery. *Br J Anaesth* 2004; 93:768-74

Stinson J, McCartney CJ, Leung A, Katz J. Impact of attending a health care conference in Toronto during the severe acute respiratory syndrome crisis: survey of delegates. *Pain Res Manag* 2004; 9:137-43

Struzik L, Vermani M, Duffin J, Katzman MA. Anxiety sensitivity as a predictor of panic attacks. *Psychiatry Res* 2004 Dec 30; 129(3):273-8

Sutton D, van Rensburg A, Karski J. Recombinant factor VIIa for intractable blood loss after cardiac surgery: a propensity score-matched case-control analysis. *Transfusion* 2005 Jan; 45(1):26-34

Taddio A, Katz J. Pain, opioid tolerance and sensitization to nociception in the neonate. *Best Practice & Research Clinical Anaesthesiology* 2004; 18, 291-302

Trachsel D, Selvadurai H, Adatia I, Bohn D, Schneiderman-Walker J, Coates AL. Resting and exercise cardio-respiratory function in survivors of congenital diaphragmatic hernia. *Pediatr Pulmonol* 2005; 39:433-39.

Traschel D, McCrindle BW, Nakagawa S, Bohn D. Oxygenation index predicts outcome in acute hypoxic respiratory failure: a competing risks analysis. *Am J Respir Crit Care Med* 2005; 172:206-11.

Trachsel D, Selvadurai H, Bohn D, Langer JC, Coates AL. Long-term morbidity in survivors of congenital diaphragmatic hernia. *Pediatr Pulmonol* 2005; 39:433-39

Tsuchida S, Engelberts D, Roth M, McKerlie C, Post M, Kavanagh BP. Continuous positive airway pressure causes lung injury in a model of sepsis. *Am J Physiol Lung Cell Mol Physiol* 2005; 289:L554-564.

Van Litsenburg R, De Mos N, Edgell D, Gruenwald C, Bohn DJ, Parshuram CS. Resource use and health outcomes of paediatric extracorporeal membrane oxygenation. *Arch Dis Child Fetal Neonatal Ed.* 2005. 90(2):F176-7.

Waddell AE, Katz MR, Lofchy J, Bradley J. A pilot survey of patient-initiated assaults on medical students during clinical clerkship. *Academic Psychiatry* September 2005 (CL); August 2004; 29(3),

Watt-Watson J, Stevens B, Katz J, Costello J, Reid G, David T. Impact of preoperative education on pain outcomes after coronary artery bypass graft surgery. *Pain* 2004; 109, 73-85

Whitehead TC, Zhang H, Mullen B, Slutsky AS. Effect of mechanical ventilation on cytokine response to intratracheal lipopolysaccharide. *Anesthesiology* 2004; 101:52-58

Wijeyesundera D, Beattie S, Rao V, Ivanov J, Karkouti K. Calcium antagonists are associated with reduced mortality after cardiac surgery: a propensity analysis. *J Thorac Cardiovasc Surg* 2004; 127:755-62 (This article was accompanied by two editorials.)

Wilkins K, McGrath PJ, Finley GA, Katz J. A prospective diary study of phantom limb sensations and phantom limb pain in child and adolescent amputees. *Clin J Pain*, 2004; 20:293-301

Wong DT, Lai K, Chung FF, Ho RY. Cannot intubate-cannot ventilate and difficult intubation strategies: results of a Canadian national survey. *Anesth Analg* 2005; 100:1439-46

Xing, Y Sonner J, Laster M, Abaigar W, Caraiscos V, Orser BA, Eger EI. Insulin decreases isoflurane MAC in rats independent of an effect on the spinal cord. *Anesth Analg* 2004; 98(6):1712-7

Yogendran S, Prabhu A, Imarengiaye C, Hendy A, McGuire G, Wong J, Chung F. Which is a better sevoflurane inhalational induction technique: vital capacity breathing or patient controlled induction? *Can J Anesth* 2005; 52:45-9

Zakrzewski PA, Friel T, Fox GS, Braga-Mele R. Monitored anesthesia care provided by registered respiratory care practitioners during cataract surgery: A report of 1957 cases. *Ophthalmology* 2005; 112(2):272-277.

Zhao SZ, Chung F, Hanna DB, Raymundo AL, Cheung RY, Chen C. Dose response relationship between opioid use and adverse effects after ambulatory surgery. *J Pain Symptom Manage* 2004; 28:35-46

BOOK CHAPTERS

- Angle PJ, Hussain, K.** Multimodal Analgesia for Post Cesarean Pain Relief. In: Evidence-based Obstetric Anaesthesia. Halpern SH, Douglas MJ (Eds). Blackwell Publishing Ltd. Oxford 2005; pp. 152-161.
- Bohn D.** Fluid and Electrolytes in Children. In: Textbook of Critical Care. Fink, Abraham, Vincent, Kochanek (Eds). Elsevier. 2005
- Brander L, Slutsky AS, Zhang H.** Is ARDS a systemic disease? In: Proceedings of the 19th Postgraduate Course in Critical Care Medicine. Springer Verlag. Berlin, Germany 2005; pp.395-404
- Brown SC, McGrath PA, Krmptic K.** Pain in children. In: Neurologic Basis of Pain. Pappagallo M (Ed). New York, McGraw-Hill. 2005; pp. 225-242
- Colapinto M, Bradley J,** (Ed). Faculty of Medicine, University of Toronto, Toronto ON, The ASCM 1 Clinical Skills Handbook, Second Edition. 2004
- Chan VWS, Perlas A.** Ultrasonography and Peripheral Nerve Blocks. In: Ambulatory Anesthesia and Perioperative Analgesia. McGraw-Hill Medical Publishing. 2005. pp 545-552
- Djaiani G.** Regional Anesthesia in Cardiac Surgery.. In: A practical approach to perioperative care in cardiac anesthesia and surgery, 2nd Edition, Cheng DCH, David T. (Eds). Lippincott Williams & Williams. Philadelphia, USA. 2005
- Ginosar Y, Russell IF, Halpern SH.** Is regional anesthesia safer than general anesthesia for cesarean section? In: Evidence-based Obstetric Anaesthesia. Halpern SH, Douglas MJ (Eds). Blackwell Publishing Ltd. Oxford 2005; pp. 108-131.
- Grant GJ, Halpern SH.** Obstetric Anesthesia Update. Contemporary OB/GYN. 2004; 49:45-7.
- Halpern SH.** Recent advances in patient-controlled epidural analgesia. In: Current Opinion in Anaesthesiology. Bruessel T (Ed). Lippincott, Williams & Wilkins. London 2005; 18 :247-251.
- Halpern SH, Leighton BL.** Epidural analgesia and the progress of labour. In: Evidence-based Obstetric Anaesthesia. Halpern SH, Douglas MJ (Eds). Blackwell Publishing Ltd. Oxford 2005; pp. 10-22.
- Halpern SH.** Maintenance of epidural analgesia for labour—continuous infusion or patient control. In: Evidence-based Obstetric Anaesthesia. Halpern SH, Douglas MJ (Eds). Blackwell Publishing Ltd. Oxford 2005; pp. 23-29.

Halpern SH. Choice of local anaesthetic for labour and delivery: bupivacaine, ropivacaine and levobupivacaine. In: Evidence-based Obstetric Anaesthesia. Halpern SH, Douglas MJ (Eds). Blackwell Publishing Ltd. Oxford 2005; pp. 56-67.

Halpern SH, Douglas MJ (Eds). Evidence-based Obstetric Anesthesia. Blackwell Publishing Ltd., Oxford 2005

Halpern SH, Chochinov M. The use of vasopressors for the prevention and treatment of hypotension secondary to regional anaesthesia for caesarean section. In: Evidence-based Obstetric Anaesthesia. Halpern SH, Douglas MJ (Eds). Blackwell Publishing Ltd. Oxford 2005; pp. 101-107.

Karkouti K, McCluskey S. Is autologous predonation cost-effective? In: Evidence-based Practice of Anesthesiology. LA Fleisher (Ed). Chapter 14; 82-88. 2004

Karski J, Karkouti K. Antifibrinolytics and coagulation management. In: A Practical Approach to Perioperative Care in Cardiac Anesthesia and Surgery. 2e, Cheng DCH, David. TE (Eds). Lippincott Williams & Wilkins 2005

Kronberg JE, Thompson DEA. Is nitrous oxide an effective analgesic for labor? A qualitative systematic review. In: Evidence-based Obstetric Anaesthesia. Halpern SH, Douglas MJ (Eds). Blackwell Publishing Ltd. Oxford 2005; pp. 38-55.

McGrath PA, Brown SC. Special Consideration in Pediatric Pain Management. In: Pain Management for Primary Care Physicians, American Society of Health-System Pharmacists (ASHP). Lipman, A (Ed). 2004. pp. 199-217.

Melzack R, Katz J. The Gate Control Theory: Reaching for the Brain. In: Pain: Psychological Perspectives. Hadjistavropoulos T, Craig K (Eds.), New York, Erlbaum, 2004, pp.13-34

Morgan PJ. The effect of increasing central blood volume to decrease the incidence of hypotension following spinal anesthesia for cesarean section. In: Evidence-based Obstetric Anaesthesia. Halpern SH, Douglas MJ (Eds). Blackwell Publishing Ltd. Oxford 2005; pp. 89-100.

Morgan PJ, Cleave-Hogg D. Simulation technology in training - students, residents and faculty. In: Current Opinion in Anesthesiology. Bruessel T. (Ed). Lippincott, Williams & Wilkins. London 2005; 18(2): 199-203.

Predescu O, Baker AJ. Spine and spinal cord trauma. In: Anaesthesia, Pain, Intensive Care and Emergency A.P.I.C.E. Gullo A (Ed). Trieste, Italy. 2004; Chapter 60, pp.673-682.

Predescu O, Baker AJ. Prehospital care: triage and primary survey. In: Anaesthesia, Pain, Intensive Care and Emergency A.P.I.C.E. Gullo A (Ed). Trieste, Italy. 2004; Chapter 59, pp.663-672.

Purdie NL, Van der Vyver M. Prevention and treatment of side-effects of neuraxial opioids. In: Evidence-based Obstetric Anaesthesia. Blackwell Publishing Ltd. Halpern SH, Douglas MJ (Eds). Oxford 2005; pp. 132-151.

Rucker J, Fisher JA. Carbon Monoxide Poisoning. In: Clinical Critical Care Medicine. Albert RK, Slutsky A, Ranieri M, Takala J, Torres A (Eds). Elsevier, Philadelphia, PA

Slinger P, Johnston MR. Preoperative Assessment: An Anesthesiologist's Perspective. In: Thoracic Surgery Clinics 15. Klafta J (Ed.), Elsevier, Philadelphia, (2) 2005, pp. 11-25

Slinger P. Acute Lung Injury Following Thoracic Anesthesia. Clinical Anesthesiology 4th Edition. M. Murray(Ed.), Lange, 2004

Srebrnjak M, Halpern SH. Epidural catheter design and incidence of complications. In: Evidence-based Obstetric Anaesthesia. Halpern SH, Douglas MJ (Eds). Blackwell Publishing Ltd. Oxford 2005; pp. 77-86.

Van der Vyver M, Purdie NL. Prevention and treatment of side-effects of neuraxial opioids. In: Evidence-based Obstetric Anaesthesia. Halpern SH, Douglas MJ (Eds). Blackwell Publishing Ltd. Oxford 2005. pp.132-151.

ABSTRACTS

Ai J, Park E. Mechanism of neuroprotective effects of calpain inhibitor MDL-28170, on traumatic brain white matter injury. *J Neurotrauma* 2004; 21(9):1278

Angle P, Hussain K, Morgan AV, Halpern S, Van der Vyver MB, Yee J, Kiss A. Mini-gauge epidural needles and catheters for labour analgesia. *Can J Anesth* 2005; 52:A130.

Angle P, Hussain K, Gawel M, Halpern S, Van der Vyver MB. Case Report: Increased intracranial pressure as part of delayed dural healing following refractory PDPH. Canadian Anesthesiologist's Society Meeting. Vancouver, Canada. June 2005

Asmundson GJG, Cox B, Jang K, Katz J, Stein MB, Taylor S, Brundin P, Sareen J, Shercliffe R, Thordarson D, Stapleton J, Wald J. The Traumatic Stress Group. Canadian Institutes of Health Research (CIHR). 3rd Annual Meeting of the Institute of Neurosciences, Mental Health and Addictions. Ottawa, Ontario. November 2004

Avila A. Self Reporting Post + Retrospective Pre-test Method of Evaluating the Effect of a Pain Management Cram Course Directed Towards Health Care Practitioners. ASRA 30th Annual Meeting. Toronto, Ontario. April 22, 2005.

Awad IT, Chan VW, Perlas A, McCartney C, Abbas S, Xu D, Nova H. Ultrasound versus nerve Stimulator Guided Axillary Brachial Plexus Block. *Can J Anesth* 2005; 52: A48

Balki M, Ronayne M, Davies S, Kingdom J, Windrim R, Carvalho JCA. Oxytocin requirements at cesarean delivery for failure to progress in labor: a dose-finding story. *Anesthesiology* 2005; 102 Supp 1: SOAP A7.

Balki M, Ronayne M, Davies S, Carvalho JCA. Oxytocin Requirements at Cesarean Section for Failure to Progress in Labor: A Dose Finding Study. *Reg Anesth Pain Med* 2004; 29(2):A79.

Balki M, Ronayne M, Davies S, Kingdom J, Windrim R, Carvalho JCA. Oxytocin requirements at C-section for failure to progress in labor. *Can J Anesth* 2005; 52:A140.

Beattie S, Wijesundera D, Djaiani G, Cusimano RJ, Borger M, Rao V, Karkouti K. Off-pump coronary artery surgery for the reduction of perioperative mortality and morbidity: a meta-analysis. *SCA* 2004

Beattie W, Wijesundera D, Abdelnaem E, McCluskey S, Karkouti K. An evaluation of pre-operative coronary angiography in non-cardiac surgery. *Can J Anesth* 2004; 51: A74

Beattie WS, Wijeyesundera DN, Karkouti K, McCluskey S. Thoracic epidural or beta-blockers do not reduce postoperative myocardial infarction. *Can J Anesth* 2005; 52:A63

Bedeau S, Jones J, Moore M, Rodin GM, Gagliese L. Age difference in cancer pain: A pilot study. 2nd Joint Scientific Meeting of the American Pain Society and the Canadian Pain Society, Vancouver, *Journal of Pain* 2004; 5 (Suppl. 1):43. (Reprinted in WHO Cancer Pain Release 2004;17:1-2

Becroft J, Duffin J, Mahamed S, Hanly P. Comparison of Chemo-responsiveness in Obstructive Sleep Apnea Patients with and without Chronic Renal Failure. *ATS* 2005

Bender J, Hohenadel J, Wong J, Katz J, Warr D, Jadad AR. Improving communication during the management of cancer pain in the Internet age: An examination of the questions that breast cancer patients have about pain. *The Journal of Pain* 5 (Suppl. 1), Abstract 2004; 1039:118

Bradley J, Sadovy B, Reznick R. Challenges and Barriers in Creating a High-Tech Centre for Teaching and Assessing Communication and Physical Examination Skills in a Major Teaching Hospital. First International Clinical Skills Conference. Prato, Italy. May 2005.

Bradley J, Sadovy B, Reznick R. A History Taking and Physical Examination Skills Recording Studio-How to Bring Faculty and Students on Board. First International Clinical Skills Conference. Prato, Italy. May 2005

Bradley, J, Landis M. The Impact of the 2003 Severe Acute Respiratory Syndrome (SARS) Outbreak on Medical Students at the University of Toronto. International Ottawa Conference on Medical Education. Barcelona, Spain. July 2004

Brull R, McCartney C, Abbas S, Chan V. The effect of regional vs. general anesthesia on paresthesiae one year after ambulatory hand surgery. *Reg Anesth Pain Med* 2004; 29:A18

Caputo D, Byrick R, Chapman M, Orser BA, Vicente K. SARS transmission during intubation: caregivers' experience. *Can J Anesth* 2004; 51: A43

Caraisocs VB, You-Tien KE, Newell JG, Elliott EM, Rosahl TW, Wafford KA, MacDonald JF, Orser BA. The volatile anesthetic, isoflurane selectively enhances the tonic GABAergic current in hippocampal pyramidal neurons. *Society for Neuroscience* 2004; 844.3

Chan V, Valle-Leutri F, Clark AJ, Rossiter-Rooney M. Self-titrated aerosolized liposome-encapsulated fentanyl results in rapid onset and sustained analgesia following ACL knee surgery. *Anesthesiology* 2004; 101:A77

Chapman MG, J Ives J, Young B, Mirsattari S. The ideal electrode for long-term EEG monitoring in ICU patients. Neurocritical Care Society Annual Conference, Arizona USA, February 2005

Cheng VY, MacDonald JF, Orser BA. Gabapentin increases tonic GABAergic inhibition in hippocampal neurons. Society for Neuroscience 2004; 844.2

Choi M, Perlas A, Chan V, Naik V. Evaluation of interscalene block performance: establishing construct validity. Reg Anesth Pain Med 2005; 29:A38

Crawford MW, Galton S, Naser B. Postoperative opioid consumption in sickle cell disease. Can J Anesth 2004; 51:A94

Crawford MW, Galton S, Naser B. Postoperative opioid consumption in sickle cell disease. Society for Pediatric Anesthesia winter meeting. Phoenix, Arizona. March 2004.

Crawford MW, Hayes J, Tan J. Dose-response of remifentanyl hydrochloride for tracheal intubation in infants. 13th World Congress of Anesthesiologists. Paris, France. April 2004.

Crawford MW, Hickey C, Zaarour C, Howard A, Naser B. Development of acute opioid tolerance during infusion of remifentanyl for pediatric scoliosis surgery. Canadian Anesthesiologists' Society Annual Meeting. Vancouver, B.C. June 2005.

Davallou M, Halpern SH, Yee J, Angle PA, Tang S. Is obstetric outcome related to local anesthesia concentration? Can J Anesth 2005; 52:A129

Davies S, Porter J, Pennell C, Alkazaleh F, Ryan G. Optimal anesthesia for endoscopic placental surgery. Can J Anesth 2005; 52:A137.

Davis M, McTaggart R, Manninen P, Archer D, Phillip E. Cerebellar-evoked potentials and nitrous oxide in healthy subjects. Can J Anesth 2005; 52: A150

DeSousa S, Morgan PJ, Cleave-Hogg D, Haley MF. Procedural skills development using simulated models. Poster Presentation, International Meeting on Medical Simulation. Miami, Florida, USA. January 2005

Devito I, Kent K, Haslam L. The use of herbal remedies by Canadian parturients. Can J Anesth 2005; 52:A136.

Djaiani G, Fedorko L, Borger M, Carroll J, Mikulis D, Cheng D, Karkouti K, Beattie S, Karski J. Mild to moderate disease of the thoracic aorta and new ischemic brain lesions after conventional coronary artery bypass graft surgery. SCA 2004

Doenst T, Wijeyesundera DN, Karkouti K, Zechner C, Maganti M, Rao V, Borger MA. Hyperglycemia as risk factor for mortality in cardiac surgery – Is there a role of insulin resistance [abstract]? *Thorac Cardiovasc Surg.* 2004; 52(S1):V41-7

Dolci M, Karsli C, Luginbuehl I, Bissonnette B. Mild hypocapnia does not prevent changes in cerebral blood flow velocity in children when desflurane replaces propofol. *European Society of Anaesthesiologists' Annual Meeting, Vienna, Austria, May 27-31, 2005.*

Dolci M, Karsli C, Luginbuehl I, Bissonnette B. Does mild hypocapnia prevent the change in cerebral blood flow velocity in children when sevoflurane is replaced with desflurane? *European Society of Anaesthesiologists' Annual Meeting, Vienna, Austria, May 27-31, 2005.*

Dolci M, Karsli C, Luginbuehl I, Bissonnette B. Cerebrovascular changes in children when desflurane replaces isoflurane: the effect of mild hypocapnia. *European Society of Anaesthesiologists' Annual Meeting, Vienna, Austria, May 27-31, 2005.*

Dong H, Xiang Y-Y, Wan Y, Yee A, Yang BB, Lu W-Y. Versican G3-domain regulates morphogenesis and synaptic transmission of hippocampal neurons through EGF receptor-mediated pathway. *Society for Neuroscience, 2005. Online.*

Duggan M, Engelberts D, Jankov RP, Worrall JM, Qu R, Hare GM, Tanswell AK, Mullen JB, Kavanagh BP. Hypocapnia attenuates mesenteric ischemia-reperfusion injury in a rat model. *Can J Anaesth* 2005; 52:262-268.

Duggan M, Kavanagh BP. Pulmonary atelectasis: a pathogenic perioperative entity. *Anesthesiology* 2005; 102:838-854.

Duggan M, McNamara PJ, Engelberts D, Pace-Asciak C, Babyn P, Post M, Kavanagh BP. Oxygen Attenuates Atelectasis-induced Injury in the In Vivo Rat Lung. *Anesthesiology* 2005; 103:522-531.

Edward R, Yuan H, Chung F, Wong D. Preoperative laboratory testing in ambulatory surgery – a nationwide survey in Canada. *Anesthesiology* 2004; 101:A11

Ellis W, Melzack R, Gaglione L. Assessment of anxiety and depression in young and elderly chronic pain patients. *2nd Joint Scientific Meeting of the American Pain Society and the Canadian Pain Society, Vancouver. J of Pain* 2004; 5(Suppl.1):43

Gerchak E, Buis T, Martin A, Gibas A, Ritvo P, Katz J. Optimistic outlook prior to general surgery negatively predicts patient-controlled analgesic consumption 48 hours later. *J of Pain* 2004; 5(Suppl.1):1059:123

Gibas A, Klatt R, Jackson J, Clarke J, Katz J. The patients' perspective on pain of Fabry Disease. *J of Pain* 2004; 5(Suppl. 1):724:40

Gibas A, Klatt R, Johnson J, Katz J, Clarke J. Fabry Disease and Pain: The patient's perspective. *Canadian Psychology* 2004; 45, 2a, Abstract #40, p. 148
<http://www.cpa.ca/convention/2004RevisedAbstract%20Book.pdf>).

Gibas A, Klatt R, Johnson J, Clarke J, Katz J. Characterization of the pain experience of Fabry Disease patients: A descriptive study. *Jof Pain* 2004; 5(Suppl.1):726:40

Halpern SH, Davallou M, Yee J, Angle PA, Tang S. Is obstetric outcome related to local anesthetic concentration? *Anesthesiology* 2005; 102(supp 1):A-8.

Hare GMT. Anemia and the Brain. *Curr Opin Anaesthesiol* 2004; Lippincott, Williams & Wilkins (London). 17:363-369.

Hare GMT, Mazer CD, Stewart DJ, Qu R, Robb M, Coackley CL, Baker AJ. Increased cerebral cortical vegf expression in anemic rats. Society of Neuroscience 34th Annual Meeting, San Diego, California, 2004

Hare GMT, Mazer CD, Lui E, Qu R, Sikich N, Baker AJ. Resuscitation with albumen improves cerebral oxygenation following hemorrhage in rats. *J Neurotrauma* 2004; 21(9):1280

Hare GMT, Liu E, Wang J-L, Sikich N, Baker AJ, Mazer CD. Augmented rat cerebral tissue oxygen tension following fluid resuscitation with hemoglobin raffimer and fresh, but not stored, blood. 8th American-Japan Anesthesia Congress and International Anesthesia Research Society, Honolulu, HI. *Anesth Analg* 2005; 100:S-121

Hare GMT, Baker AJ, Qu R, Liu, Sikich, Worrall JMA, Mazer CD. β 2 adrenergic blockade impairs cerebral cortical blood flow and oxygen tension following hemodilution in rats. Best 8th American-Japan Anesthesia Congress and International Anesthesia Research Society, Honolulu, HI. *Anesth Analg* 2005; 100:S-60

Hayes J, Crawford MW, Tan J. Tracheal intubation after propofol-remifentanil in infants. *Can J Anesth* 2004; 51:A98

Herrera FJ, Wong J, Chung F. Early postoperative recovery outcome measurements after surgery: an evidence-based review. *Can J Anesth* 2005; 52: A72

Hickey C, Zaarour C, Naser B, Howard A, Crawford MW. Does remifentanil-based anesthesia cause acute opioid tolerance? *Can J Anesth* 2005; 52:A154

Hirasaki Y, Jung H, Minkovich L, Katznelson R, Cheng A, Jussaume L, Carroll J, Karski J, Djaiani G. Routine placement of nasogastric tubes after cardiac surgery: impact on postoperative nausea and vomiting. Society of Cardiovascular Anesthesiologists. SCA website (www.scahq.org) 2005

Hsu J, Karkouti K, Cheng P, McCluskey S, Granton J. Transfusion practice patterns in critically ill patients. *Can J Anesth* 2004; 51: A75

Hussain K, Angle P. Efficacy of local anesthetic techniques in improving post-cesarean section analgesia – A qualitative systematic review. *Anesth Analg* 2005; 100:S254

Hussain K, Angle PJ. Efficacy of local anesthetic techniques in improving post-cesarean section analgesia-A qualitative systematic review *Anesthesiology* 2005; 102(suppl 1):A 43

Hussain K, Angle PJ. Efficacy of local anesthetic techniques in improving post-cesarean section analgesia-A qualitative systematic review. *Can J Anesth* 2005; 52:A128.

Ioscovich A, Elstein Y, Halpern S, Vatashky E, Grisar-Granovsky S, Elstein D. Anesthesia for Obstetric Patients with Gaucher Disease. Sixth European Working Group on Gaucher Disease (EWGGD). Barcelona, October 2004.

Isaac L, Hayes J, Crawford MW. Pilot study of rectus sheath block in children undergoing umbilical hernia repair. *Can J Anesth* 2005; 52:A49

Iscoe S, Preiss D, Azami T, Volgyesi G, Fedorko L, Fisher JA. A new technique to measure cardiac output during spontaneous breathing. International Congress of Physiological Sciences. San Diego CA. April 2005

Iscoe S, Slessarev M, Poublanc J, Prisman E, Rowan S, Somogyi R, Preiss D, Fisher JA, Mikulis D. A new method to change and maintain end-tidal concentrations of O₂ and CO₂ independent of each other and of minute ventilation. International Congress of Physiological Sciences. San Diego CA. April 2005

Kanellakos G, Slinger P, Darling G. Use of transesophageal echocardiography in mediastinal tumor resection. *Can J Anesth* 2005

Karkouti K, Beattie S, Wijesundera D, Chan C, Rao V, Dattilo K, Djaiani G, Ivanov J, Karski J. The degree of hemodilution during cardiopulmonary bypass is related to renal failure in adult cardiac surgery. *SCA* 2004

Karkouti K, Beattie WS, Dattilo KM, et al. Aprotinin or tranexamic acid in cardiac surgery: a propensity analysis. *Can J Anesth* 2005; 52:A16

Karsli C, Dolci M, Wong G, Luginbuehl I, Farhat W, Bissonnette B. The cerebrovascular effects of retroperitoneal laparoscopy in children. Canadian Anesthesiologists' Society Annual Meeting, Vancouver, June 17-21, 2005

Karsli C, Dolci M, Luginbuehl I, Bissonnette B. Mild hypocapnia does not prevent changes in cerebral blood flow velocity in children when desflurane replaces propofol. Canadian Anesthesiologists' Society Annual Meeting, Vancouver, June 17-21, 2005.

Karsli C, Dolci M, Luginbuehl I, Bissonnette B. Does mild hypocapnia prevent the change in cerebral blood flow velocity in children when sevoflurane is replaced with desflurane? Canadian Anesthesiologists' Society Annual Meeting, Vancouver, June 17-21, 2005.

Karsli C, Dolci M, Wong G, Luginbuehl I, Farhat W, Bissonnette B. The systemic hemodynamic effects of retroperitoneal laparoscopy in children. Canadian Anesthesiologists' Society Annual Meeting, Vancouver, June 17-21, 2005

Karsli C, Dolci M, Luginbuehl I, Bissonnette B. Cerebrovascular changes in children when desflurane replaces isoflurane: the effect of mild hypocapnia. Canadian Anesthesiologists' Society Annual Meeting, Vancouver, June 17-21, 2005.

Katz J, Martin A, Gerchak E, Gibas A, Buis T, Halket E, Cohen, L. Intrusive and avoidant thoughts about upcoming surgery predict excessive use of postoperative IV patient controlled analgesia. *The Journal of Pain* 2004; 5 (Suppl.1):1058:123

Katz J. Exploring potential similarities and differences between chronic pain in infants and chronic pain in verbal populations. *Pain Research and Management*, 10, p. 86 (http://www.pulsus.com/Pain/10_02/pain_abstracts_2005.pdf).

Katznelson R, Djajani G, Karkouti K, et al. Hormone replacement therapy and neurological outcome in women in cardiac surgery. *Can J Anesth* 2004; 51:A82

Katznelson R, Karkouti K, Ghannam M, et al. In cardiac surgery, blood volume accounts for the increased risk in women. *Can J Anesth* 2004; 51:A10

Kavanagh BP. Prone positioning in children with ARDS: positive reflections on a negative clinical trial. *JAMA* 2005; 294:248-250.

Kavanagh BP. Therapeutic hypercapnia: careful science, better trials. *Am J Respir Crit Care Med* 2005; 171:96-97.

Kavanagh BP, Meyer LJ. Normalizing physiological variables in acute illness: five reasons for caution. *Intensive Care Med* 2005; 31:1161-1167.

Kavanagh BP, Roy L. Pediatric ventilation -- towards simpler approaches for complex diseases. *Paediatr Anaesth* 2005; 15:627-629.

Kern R, Goldszmidt E, Chettle C, Downey K, Devito I, Macarthur A. Postpartum headache: a prospective-cohort study. *Cephalgia* 2004; 24:788-789.

Kornecki A, Kavanagh BP. Interpretation of PV Curves. *Am J Respir Crit Care Med* 2005;172:932.

Kornecki A, Tsuchida S, Ondiveeran HK, Engelberts D, Frndova H, Tanswell AK, Post M, McKerlie C, Belik J, Fox-Robichaud A, Kavanagh BP. Lung development and susceptibility to ventilator-induced lung injury. *Am J Respir Crit Care Med* 2005; 171:743-752.

Kraeva N, Loke JCP, MacLennan DH. Identification of novel CCD mutations in RYR1. Canadian Anesthesiologists' Society Annual Meeting 2005; Vancouver, BC.

Krmpotic K, Koster A., McGrath PA, Speechley KN. Children's strategies for coping with pain: Impact of age, sex, and pain experience. *The Journal of Pain*, 6:3 Supplement 1, 881.

Laflamme C. Wong S. Shenderey A. Transesophageal Echocardiography and Anomalous Coronary Arteries. Poster presentation. Canadian Anesthesiologists' Society Annual Meeting. Vancouver, BC. 2005

Li C, McCartney C, Perlas A, Chan V. Ultrasound evaluation of needle tip position during lateral paravascular supraclavicular brachial plexus block. *Reg Anesth Pain Med* 2005; 29:A50

Lu JJ, Yu LM, Cheung WW, Goldthorpe IA, Zuo YY, Policova Z, Cox PN, Neumann AW. Poly(ethylene glycol) (PEG) enhances dynamic surface activity of a bovine lipid extract surfactant (BLES). *Colloids Surf B Biointerfaces*, 2005; 41(2-3):145-51.

Lukitto K, Raghavan LV, Mak PH, Manninen P, Prabhu AJ. Postoperative hypertension in craniotomies in tumors. *Can J Anesth* 2005; 52: A149

Macarthur A, Imarengaiye C, Downey K, Iheme L, Tureanu L. Epidural morphine for post-vaginal delivery perineal pain: A randomized double-blind trial. *Anesthesiology* 2005; 102:S20.

Macarthur A, Imarengaiye C, Tureanu L, Iheme L, Downey K. RCT of epidural morphine for post-vaginal perineal pain. *Can J Anesth* 2005; 52:A135.

Macarthur A, Gagnon S, Kingdom J, Tureanu L, Dasan J, Downey K. Brech presentation: RCT of IV Remifentanil for ECV attempt. *Can J Anesth* 2005; 52:A142

Mahambrey TD, Fowler RA, Chapman MG, Hamilton P. Ultrasonography by a non-radiologist Intensivist: A feasibility study. Toronto Critical Care Medicine Symposium, Toronto, Ontario, October 2004

Mak PHK, El-Beheiry H. Simultaneous actions of propofol on bispectral index and heart rate variability. *Journal of Neurosurgical Anesthesiology* 2004; 16: 370

Mak PHK, El Beheiry H. Age-dependent actions of sevoflurane on heart rate variability. *Can J Anesth* 2005; 52: A146

Manaloto-Angeles M, Wong D, Peng P, Teresa Cordes T, Chung F. Peri-operative management of patients on anticoagulants using thrombosis risk score. *Can J Anesth* 2005; 52: A59

Mardimae A, Preiss D, Slessarev M, Fisher JA. An improved method of measuring alveolar ventilation using a sequential gas delivery circuit. PSL 498, PSL 499, December 2005

Martin A, Buis T, Gibas A, Gerchak E, Katz J. Reliability and validity of a questionnaire designed to assess patient satisfaction with post-surgical patient-controlled analgesia. *The Journal of Pain*, 5 (Suppl. 1), Abstract 2004; 1067:125

Martin A, McGrath P, Brown S, Katz J. Children with chronic pain: Impact of sex and age on long-term outcomes. Poster #887, American Pain Society Abstracts 2005; (<http://www.ampainsoc.org/abstract/2005/data/887/index.html>).

Martin A, McGrath PA, Brown S, Katz J. Children with chronic pain: Impact of sex and age on long-term outcome. *The Journal of Pain* 2005; 6(3)Suppl:S887.

Mazer CD, Wang Z, Chhina T, Hare GMT. Attenuation of hemodynamic response to HBOCs with HRC 101, a novel hemoglobin based oxygen carrier. *Anesthesiology* 2004; 101:A716.

Mazer CD, Meleca N, Petrusic D, Bouali R, Sikich NJ. Direct ICU Repatriation of Postcardiac Surgery Patients: A Study in the Canadian Health Care System. 2004 ASA Annual Meeting, Las Vegas NV. *Anesth* 2004;101:A462

Meineri M, Djaiani G, Fedorko L, Wasowicz M, Poonawala H, Carroll J, Karski J. Diastolic Dysfunction And New Onset of AF After CABG. Canadian Anesthesiologists' Society Annual Meeting 2005; Vancouver, BC

Meineri M, Wasowicz M, Karkouti K, Djaiani G, Fedorko L, David T, Karski J. Impact Of Routine Tranexamic Acid In Cardiac Surgery: Single Centre Review. Canadian Anesthesiologists' Society Annual Meeting 2005; Vancouver, BC

Meineri M, Wasowicz M, Karkouti K, et al. Impact of routine tranexamic acid in cardiac surgery: single center review. *Can J Anesth* 2005; 52:A15

McCluskey S, Cheung W, Metha B, Carroll J, Poonwala H, Fedorko L, Djaiani G, Karkouti K. Effects of cardiopulmonary bypass on erythropoietin pharmacokinetics. *Can J Anesth* 2004; 51: A85

McCluskey SA, Karkouti K, Hamdy A, Zhang H, Cattrall M, Grant D. The use of autologous blood donation for live-donor right hepatectomy. *Can J Anesth* 2005; 52:A122. CAS and ASA 2005

McCluskey SA, Karkouti K, Ghannam M, Salpeter MJ, Quirt I, Yau TM. Treatment of postoperative anemia: Intravenous iron, compared to intravenous iron and erythropoietin. ASA 2005

Minkovich L, Katznelson R, Djaiani G, Day F, Carroll J, Tan J MD, Karski J. Repeated alveolar recruitment maneuver improves oxygenation in patients after cardiac surgery. 27th Annual Meeting of Society of Cardiovascular Anesthesiologists. SCA's website (www.scahq.org); 2005

Morgan AV, Yee JA, Halpern SH, Kronberg J, Brill Y, Lee S, Angle PJ. RCT of ilio-inguinal nerve block for post-laparoscopy pain. *Can J Anesth* 2005; 52:A53

Morgan AV, Yee JA, Halpern SH, Kronberg J, Brill Y, Lee S, Angle PJ. RCT of Ilio-Inguinal Nerve Block for Post-Laparoscopy Pain. 20th annual meeting of the Society for Ambulatory Anesthesia. Scottsdale, Arizona. May 12-15

Morgan PJ, Cleave-Hogg D, DeSousa S. Management of arrhythmias using high-fidelity simulation. *Anesthesiology* 2004; 101(Supp 1):A1347

Morgan PJ, Cleave-Hogg D, DeSousa S. Global ratings to assess undergraduate team performances. *Anesthesiology* 2004; 101(Supp 1):A1244

Morgan PJ, Cleave-Hogg D, DeSousa S, Lam-McCulloch J. High-fidelity simulation: translation of theory into practice in undergraduate medical education. Poster Presentation, International Meeting on Medical Simulation. Miami, Florida, USA. January 2005

Morgan PJ, Cleave-Hogg D, DeSousa S, Lam-McCulloch J. High-fidelity simulation: translation of theory into practice in undergraduate medical education. Poster Presentation, International Meeting on Medical Simulation. Miami, Florida, USA. January 2005

Morgan PJ, Cleave-Hogg D, DeSousa S. Management of arrhythmias using high fidelity simulation. Poster Presentation. The Wilson Centre Research Day, Toronto, Ontario. October 2004

Morgan PJ, Cleave-Hogg D, DeSousa S. Global ratings to assess undergraduate team performances. Poster Presentation. The Wilson Centre Research Day. Toronto, Ontario. October 2004

Morgan PJ, Cleave-Hogg D, DeSousa S, Lam-McCulloch J. Simulation-Theory to Practice in undergraduate medical education. *Can J Anesth* 2005; 52(Supp):A88

Newell JG, Wafford KA, Rosahl TW, MacDonald JF, Orser BA. Propofol modulation of tonic and recombinant GABA_A receptors. Society for Neuroscience 2004; 844.1

Niazi A, Perlas A, Chan VWS, McCartney C, Xu D. Ultrasound evaluation of paresthesia and nerve stimulation. Can J Anesth 2005; 52: A44

Nova HA, Chan VWS, Abbas S, McCartney CJL, Perlas A, Xu D. Ultrasound examination and localization of the sciatic nerve. Can J Anesth 2005; 52: A47

O'Farrell R, Karkouti K. Predicting massive blood loss in cardiac surgery. Can J Anesth 2005; 52:A22

Orser BA, Elliott EM, MacDonald JF, Wafford KA. Etomidate sensitivity is reduced in hippocampal pyramidal neurons from GABAA receptor $\alpha 5$ subunit null mutant mice. Society for Neuroscience 2004; 844.4

Park E, Baker AJ. The rat cerebellum is highly vulnerable to indirect trauma following mild and severe forebrain fluid percussion injury. J Neurotrauma 2004; 21(9):1318

Peng P, Tumber P, Stafford M, Wong P, Iskander L, Gourlay D, Evans D, Galonski M, Gordon A. Experience of methadone therapy for pain in 100 consecutive chronic pain patients. Pain Manage and Research 2005; 10:P65

Peng P, Dolman R., Pron G, Iskander L, Wong P, Gordon A. Prevalence of sexual dysfunction in patients attending pain clinic and family physicians. Pain Manage and Research 2005; 10:P64

Prisman E, Preiss D, Azami T, Slessarev M, Milosovic M, Fisher J. Sequential gas delivery as a more effective alternative to carbogen as an adjuvant for radiotherapy. Medical Student Research Day, University of Toronto, Toronto, Ontario, January 2005

Rofaeel A, Balki M, Carvalho JCA. Successful labor epidural analgesia in a patient with spinocerebellar ataxia. Anesthesiology 2005; 102 Supp 1: SOAP A101.

Rohan D, Macgowan CK, Macpherson BA, Yoo SJ, Crawford MW. Effect of propofol and CPAP on airway size and configuration in infants. Can J Anesth 2005; 52:A10

Rotta AT, Al Ibrahim OS, Wiryawan B, Vinai M, Dowhy MS, Cox PN. Low dose perflubron and lung recruitment during high-frequency oscillatory ventilation. Crit Care Med 2004; 12: A120.

Rubenstein M, Tripp D, Harrison M, Goldstein D, Gagliese L. The Impact of SARS visitation restrictions on patients' perception of nursing support. 2nd Joint Scientific

Meeting of the American Pain Society and the Canadian Pain Society, Vancouver, Journal of Pain, 2004;5 (Suppl. 1): 96.

Rucker J, Preiss D, Azami T, Volgyesi G, Fedorko L, Djaiani G, Slutsky A, Fisher JA. Non-invasive measurement of cardiac output during spontaneous breathing. American Society of Anesthesiologists. Las Vegas. October 2004

Sarmah A, Lam-McCulloch J, Yee D. Anaesthesia Concerns in the Management of the Trauma Patient. Current Orthopaedics 2004; 18:441-450.

Sasano N, Sasano H, Ito S, Fisher JA, Katsuya H. Effect of hypoxia on respiratory sinus arrhythmia. 14th International Hypoxia Symposium, Lake Louise, Canada, February 2005

Savoldelli G, Naik V, Hamstra S, Morgan PJ. A survey of perceived barriers to simulation based education. Can J Anesth 2005; 52(Supp):A86

Savoldelli G, Naik V, Morgan PJ. High-fidelity simulator-based education: a survey of anesthesiologists' experiences, perceptions, motivations and perceived barriers. Poster Presentation, International Meeting on Medical Simulation. Miami, Florida, USA. January 2005

Savoldelli GL, Naik VN, Joo HS, Houston PL, Graham M, Hamstra SJ. The Evaluation of Patient Simulator Performance As An Adjunct To The Oral Examination For Senior Anesthesia Residents. Anesth Analg 2005; 100(2S):S-152.

See JJ, Manninen PH, Lukins M, Merah N. Ultrasound guided central venous catheter placement in neurosurgery. Can J Anesth 2005; 52: A145

Sichor T, Karsli C, Roy WL, Zuker R, Wong G. Simultaneous venous gas embolism in conjoined twins. Canadian Anesthesiologists' Society Annual Meeting, Vancouver, June 17-21, 2005.

Siddiqui M, Goldszmidt E, Tharmaratnam U, Kingdom J, Windrim R, Carvalho JCA. Complications of exteriorized versus *in situ* uterine repair at cesarean delivery under spinal anesthesia. Anesthesiology 2005; 102 Supp 1: SOAP A13.

Siddiqui M, Goldszmidt E, Tharmaratnam U, Kingdom J, Windrim R, Carvalho JCA. Complications of exteriorized vs. *in situ* uterine repair at C-section. Can J Anesth 2005; 52:A139.

Siddiqui M, Goldszmidt E, Tharmaratnam U, Kingdom J, Windrim R and Carvalho JCA. Complications of exteriorized versus *in situ* uterine repair at cesarean section under spinal anesthesia. Reg Anesth Pain Med 2004; 29(2):A70.

Slessarev M, Poublanc J, Prisman E, Rowan S, Somogyi R, Preiss D, Fisher JA, Mikulis D. Variations in end-tidal oxygen concentrations may confound interpretation of

cerebrovascular reactivity from BOLD MR signal. *Cerebral Blood Flow*. Maine 2004 (PP)

Slessarev M, Prisman E, Preiss D, Duffin J, Fisher JA. Cerebrovascular response to ultra-short cyclic alterations in end-tidal PCO₂. Hypoxia Conference 2005

Stinson J, McCartney CJL, Katz J. Impact and consequences of attending the Canadian Pain Society annual conference in Toronto during the SARS crisis: Survey of delegates. *The Journal of Pain*, 5 (Suppl. 1), Abstract 2004; 1133:141

Sulaiman I, Morgan PJ, Cleave-Hogg D, DeSousa S, Haley MF. Need for procedural skills training in undergraduate education. *Can J Anesth* 2005; 52(Supp):A91

Sulaiman I, Morgan PJ, Cleave-Hogg D, DeSousa S, Haley MF. Need for procedural skills training in undergraduate education. Canadian Anesthesiologists' Society Annual Meeting. Vancouver, British Columbia. June 2005

Symon J, Peterson M, McCluskey S, Fedorko L, Djaiani G, Poonawala H, Carroll J, Karkouti K, Karski J. Cytokine response to erythropoietin in cardiac surgery. *Can J Anesth* 2004; 51:A86

Tarshis J, DeSousa S, Brown R, Iglesias S, Kohlhammer M. Creation, implementation and evaluation of a FPA simulator CE program. *Can J Anesth* 2005; 52: A89

van Rensburg A, Karkouti K, McCluskey S, et al. rF-VIIa for refractory bleeding after CV surgery: a propensity analysis. *Can J Anesth* 2004; 51:A81

Venkatraghavan L, Prabhu A, Lukitto K. Postoperative hypertension in craniotomies for tumor: Incidence and predictive factors. *European Journal of Anaesthesiology* 2005; 22:A316

Vesely A, Somogyi R, Azami T, Prisman E, Preiss D, Duffin J, Fisher J. Does cerebral vascular reactivity acclimatize? Hypoxia Conference 2005

Ward B, Chung F, Yuan H, Kayumov L, Shapiro C. Preoperative identification of risk of sleep apnea in patients undergoing surgery. *Anesthesiology* 2004; 101:A13

Ward B, Chung F, Yuan H, Kayumov L, Shapiro C. The sleep apnea preoperative screen (SLAPS) – a new screening tool for sleep apnea. *Anesthesiology* 2004; 101:A14

Wasowicz M, Karski J, Karkouti K, Djaiani G, Fedorko L, David T. The Impact Of Routine Use Of Tranexamic Acid In Cardiac Surgery; Large Single Centre Review. Society of Cardiovascular Anesthesiologists 2005

Wells GD, Plyley M, Thomas S, Goodman L, Duffin J. Effects of Concurrent Respiratory Muscle Training on Respiratory and Exercise Performance in Competitive

Swimmers. 15th FINA ACSM World Sports Medicine Congress, Indianapolis, Indiana, October 2004

Wijeyesundera DN, Karkouti K, Beattie WS, Rao V, Ivanov J. Improving risk-prediction for dialysis after cardiac surgery. *Can J Anesth* 2005; 52:A33

Wong GT, Luginbuehl I, Karsli C, Bissonnette B. The effect of sevoflurane on cerebral autoregulation in young children as assessed by the transient hyperemic response. European Society of Anaesthesiologists' Annual Meeting, Vienna, Austria, May 27-31, 2005.

Wong GT, Luginbuehl I, Karsli C, Bissonnette B. The effect of sevoflurane on cerebral autoregulation in young children as assessed by the transient hyperemic response. Canadian Anesthesiologists' Society Annual Meeting, Vancouver, June 17-21, 2005.

Wong DT, Kamming D, Chung F. Preadmission anesthesia consultation using telemedicine technology- a pilot study. *Anesthesiology* 2004; 101:A10

Wong J, Tong D, Chung F, Streiner D. Development of an instrument assessing recovery after ambulatory anesthesia. *Can J Anesth* 2005; 52: A74

Yip A, Taddio A, Shah V, de Silva N, Shah P, Langer J, Katz J. Investigation of prolonged hospitalization and the role of conditioning in pre-term and full-term infant pain response. 15th Annual Meeting of the Graduate Research in Progress Symposium, Glaxo SmithKline, Mississauga, ON, May 12, 2004 (<http://phm.utoronto.ca/graduate/progs/grip/2004/>).

Yip A, Shah,V, DeSilva N, Shah P, Langer J, Koren G, Katz J, Taddio A. (2005). Changes in infant response to painful and non-painful procedures during hospitalization in the neonatal intensive care unit. Poster #691, American Pain Society Abstracts 2005; (<http://www.ampainsoc.org/abstract/2005/data/691/index.html>).

You-Ten KE, Caraiscos, VB, Elliott EM, Cheng VY, MacDonald JF, Orser BA. Sub-MAC concentrations of isoflurane target novel murine GABA_ARs. *Can J Anesth* 2004; 51: A4

Yu, CH, Loke JCP, Kraeva N, MacLennan DH. Synthetic DNA standards for genetic screening for MH/CCD (presented at Richard Knill Research Competition at CAS #61 Vancouver,BC. 2005

Yuan H, Chung F, Wong D, Edward R. Current pre-operative testing practices in ambulatory surgery are widely disparate: a survey of CAS members. *Can J Anesth* 2005; 52: A68

Yuan H, Ward B, Chung F, Ho J, Kayumov L, Shapiro C. Pre-operative identification of sleep apnea risk in elective surgical patients. *Can J Anesth* 2005; 52: A69

Zuo YY, Li D, Acosta E, Cox, PN, Neumann AW. Effect of Surfactant on Interfacial Gas Transfer Studied by Axisymmetric Drop Shape Analysis— Captive Bubble (ADSA-CB). *Langmuir* 2005; 21(12):5446-52.

INVITED LECTURES

Angle P.

American Society of Regional Anesthesia Meeting. Combined Spinal Epidural Techniques for Labour Analgesia, CSE Workshop. Toronto Ontario. April 2005

University of Toronto Pain Day. Randomized Controlled Trial Examining the Effect of 19g versus > 17g Traditional Tuohy-type Epidural Needles on the Incidence and Severity of Postdural Puncture Headache in Parturients Receiving Labor Analgesia. Toronto, Ontario. March 2005

City Wide Rounds. PDPH: Lessons from the Past—Implications for the Future. London Health Sciences Centre, University of Western Ontario, London, Ontario. February 2005

Residents Rounds. Evidence-based post-cesarean pain management. St. Joseph's Hospital. London Health Sciences Center. University of Western Ontario, London, Ontario.

Anesthetic Practice. The Trouble with Headaches: Trouble Rounds. University of Toronto, Toronto, Ontario. November 2004

Anesthetic Practice. Labour Analgesia Update, Workshop. University of Toronto, Toronto, Ontario, November 2004

American Society of Regional Anesthesia, Regional Anesthesia and Pain Medicine Conference. Advances in Obstetric Anesthesia and Analgesia, Master Class 2, Post Cesarean Analgesia. Toronto, Ontario. September 2004

Visiting Professor, Department of Anesthesia, University of Western Ontario, London, Ontario, February 2005

Avila A.

Regional Anaesthesia series. Lecture focus group discussion for Anaesthesia Residents. Sympathetic Nerve Blocks, Cervical (Stellate), Thoracic, Lumbar, Celiac Plexus, Superior Hypogastric, and Inferior Hypogastric. September 2004.

XVII Venezuelan Congress of Anaesthesiology. Anaesthesia Management in the Multiple Organ Failure Patient. Pto La Cruz, Venezuela, November 25, 2004.

XVII Venezuelan Congress of Anesthesiology. Neurobiology of Pain Transmission and Neuromodulation during Physiological and Pathological States. Pto La Cruz, Venezuela, November 26, 2004.

The Venezuelan Congress of Anaesthesiology. Central and Peripheral Neuropathic Pain, Diagnosis and Treatments. Venezuela, November 26, 2004.

XVII Venezuelan Congress of Anaesthesiology. Treatment Trials of Intractable Pain Treatments. Panel discussion session. Venezuela, November 27, 2005.

Acute Pain Management, Multimodal Analgesia in Acute Pain Syndromes. Clinical Case Discussion Pain Series to The University of Toronto Medical Students and Clerks at Sunnybrook Women's College Health Science Centre, December 2004.

Lecture series on Sepsis Syndromes, Current Management; Airway Management in the Critical Care Patient; and Pain and Sedation in the Critical Ill Patient. The University Hospital, 2004 Critical Care Medicine Update, Zulia University, Faculty of Medicine, December 27-29, 2004.

Intravenous Regional Anaesthesia in Upper and Lower Limbs, Techniques and Clinical Applications. Series in Regional Anaesthesia for Anaesthesia Residents at Sunnybrook and Women's College Health Sciences Centre, March 2005.

Lecture series on Central and Peripheral Neuropathic Pain Syndromes; Post Herpetic Neuralgias; Painful Neuropathies; and Central Pain and CRPS type I and II. University of Toronto, Medical Faculty, June 1, 2005.

Baker A.

Canadian Council on Donation and Transplantation. The ethics of not providing the option organ donation after cardiocirculatory death. DCD National Forum. Vancouver. February 2005,

TCP HUM technical Panel. 12 Annual Symposium. Potential TBI research Areas. Australian Army Malaria Institute. Brisbane, Australia. March 2005

TCP HUM technical Panel. 12 Annual Symposium. TBI research and clinical management. Australian Army Malaria Institute. Brisbane, Australia. March 2005

APICE conference. Traumatic spinal cord injury, conservative versus aggressive management. Trieste, Italy. November 2004

APICE conference. Prehospital Care: Triage and Primary Survey. Trieste, Italy. November 2004

APICE conference. From the Field to Operating Theatre. Trieste, Italy. November 2004

Balki M.

2nd Annual Mount Sinai Hospital Obstetric Anesthesia Conference. Oxytocin during cesarean section: how much is enough, how much is too much? Toronto, September 11, 2004.

Bevan DRB.

Whistler Winter Anaesthesia Refresher Course. Scientific Misconduct and Publishing; Residual Neuromuscular Block. BC. February 2005.

IARS 79th Clinical and Scientific Congress. Honolulu. Publishing Workshop: Scientific Fraud. March 2005,

Japan Society of Anesthesiologists, Kobe. History of Neuromuscular Relaxants. Japan. June, 2005.

Bissonnette B.

Visiting Professor. University of Toronto, Toronto, Ontario, Canada

A Career as Clinician Scientist in Anesthesia: Why Not? Oct 7, 2004

Visiting Professor. Physiologie du nouveau-né et du nourrisson. DIU Perfectionnement en Anesthésie Pédiatrique. Université de Lille, Lille, France, Oct 21-22, 2004

Visiting Professor. Halogéné et protoxy d'azote: Effet cerebral. DIU Perfectionnement en Anesthésie Pédiatrique. Université de Lille, Lille, France, Oct 21-22, 2004

Visiting Professor. Cerebral Protection: The Bad, The Maybe, The Future. Loma Linda University, Loma Linda, California, Nov 10, 2004

Visiting Professor. Head Trauma in Children: Common Errors in Management. Loma Linda University, Loma Linda, California, Nov 10, 2004

3rd All African Anesthesia Meeting. Neuroanesthesia: What's New? Hammamet, Tunisia, May 19-24, 2005

3rd All African Anesthesia Meeting. Pediatric Case Presentation. Hammamet, Tunisia May 19-24, 2005

Mansoura International Pediatric Anesthesia Meeting, Cerebral protection in pediatric patients (what's new and what's not?) Port Said, Egypt, June 1-4, 2005

Mansoura International Pediatric Anesthesia Meeting. Paediatric Neuroanaesthesia: Principles and Practice. Port Said, Egypt, June 1-4, 2005

Mansoura International Pediatric Anesthesia Meeting, Craniostenosis and Hurler Syndrome: Case Discussion. Port Said, Egypt, June 1-4, 2005

Visiting Professor. Neuroanesthesie: Prise en charge de l'enfant. Université de Lille, Lille, France, June 24, 2005

Egyptian Annual Anesthesia Meeting. Head Trauma in Children: Common Errors in Management. Cairo, Egypt, March 1-4, 2005

Egyptian Annual Anesthesia Meeting. Cerebral Protection and Therapeutic Hypothermia. Cairo, Egypt, March 1-4, 2005

Egyptian Annual Anesthesia Meeting. Syndromes: How to prevent a nightmare. Cairo, Egypt, March 1-4, 2005

Visiting Professor. Head Trauma in Children: Misconceptions and Common Errors in Management. Johns Hopkins University. Baltimore, Maryland, USA, April 14, 2005

Bohn D.

International Pediatric Respiratory, Allergy & Immunology Congress. 1. Non-invasive ventilatory support in children. 2. Acute lung injuries in children. Hong Kong. July 2004.

Critical Care Society Congress. 1. Pulmonary hypertension in Paediatric ICU. 2. Fluid and Electrolyte Therapy in PICU. Durban, South Africa. August 2004.

Toronto Critical Care Medicine Symposium. 1. Mechanical Ventilation II (Chair). 2. Using Physiology to Guide Management (Chair). Toronto, Ontario, Canada. October 2004.

12th Workshop on Pediatric Critical Care. Japanese Society of Pediatric Intensive and Critical Care. 1. Fluid therapy in PICU. 2. Management of head trauma and hypothermia. Tokyo, Japan. November, 2004

National Children's Hospital, Grand Rounds. 1. Current updates of pediatric fluid therapy in general pediatrics. 2. CDH approach in Toronto. Tokyo, Japan. November, 2004.

5th International Symposium on Pediatric Cardiac Intensive Care. 1. Catecholamine-Resistant Hypotension (moderator/speaker). 2. What is the Preferred Ventilation Strategy in Cardiac Patients? (panel participant). 3. Messages from the Cardiac Intensive Care Leadership. Miami, FL. December 2004.

34th Critical Care Congress – Society of Critical Care Medicine. 1. Respiratory failure. 2. Lung protective strategies: how I do it and why. Phoenix, AZ. January 2005.

21st CNMC Symposium on ECMO & the Advanced Therapies for Respiratory Failure. 1. The brain: neuroprotection, an update of cerebral hypothermia. 2. The pediatric and adult intensive care: state of the art (moderator & speaker). 3. Pediatric ECMO case reviews (co-moderator). Keystone, CO. February, 2005.

7th European Postgraduate Course in Neonatal and Pediatric Intensive Care. 1. Thresholds for anemia, hypoxia, hypercarbia, perfusion: lessons from physiological limits in critically ill neonates and children. 2. How to ventilate children in difficult situations (Co-Chair). 3. Traumatic coma: what to diagnose, monitor and how to treat (Co-Chair). 4. Selecting and maintaining the neonatal and pediatric organ donor (Chair). 5. Update in

anti-infectious agents for critically ill neonates and children: which decision to take (Chair). Bern, Switzerland. March 2005.

5th Congress on Pediatric Emergency & Critical Care. 1. Therapeutic use of hypothermia. 2. Fluid management in the PICU. 3. New therapeutic approach on septic shock. 4. Non-invasive ventilation (co-expert with Dr. Werther Brunow du Carvalho). 5. Cardiovascular Issues in the PICU (reactive panel). 6. Pulmonary hypertension in patients with acute respiratory disease. Corrientes, Argentina. May, 2005.

1st Annual Toronto Symposium: Contemporary Questions in Congenital Heart Disease. 1. Does treatment make a difference in acute myocarditis? 2. Cardiac surgical programs with less than 200 pumps per year should be closed (Chair of debate). 3. Parents should be given the option to be present at the bedside during CPR (Chair of debate). Toronto, Ontario. May, 2005.

Bradley JW.

Risk Management Week Speaker Series, University Health Network. Developing a Just Culture for the Reporting of Medical Incidents. Toronto, Ontario. June 2005

Mortality & Morbidity Rounds, Department of Medicine, University Health Network. Developing a Just Culture for the Reporting of Medical Incidents. Toronto, Ontario. May 2005

Rotman Business School, University Health Network / Rotman Leadership Program. Developing a Just Culture for the Reporting of Medical Incidents. Toronto, Ontario. April 2005

Byrick RJ.

Providence Anesthesiology Review Course. Brown University. Intra-operative Ventilation: Role of Pressure Control Mode and Lipid Microemboli During Orthopedic Surgery. Providence, Rhode Island. Sept 11, 2004

OMA/CAS Meeting. Patient Safety in Anesthesiology and Tackling the Physician Shortage: the CPSO approach. Hockley Valley Resort. Toronto, Ontario. Nov 13,14, 2004

Patient Safety Summit 200. Ensuring Risk Management Solutions are Flexible for Maximum Adaptability. Panel Discussion. Marriott Hotel, Toronto, Ontario. Jan 17-18, 2005

Carvalho J.

2nd Annual Mount Sinai Hospital Obstetric Anesthesia Conference. Fluid management during labor: hydrating the overhydrated? Toronto. September 11, 2004.

Regional Anesthesia and Pain Medicine 2004. Advances in Obstetrical Anesthesia and Analgesia: master class. Toronto, Ontario. October 3, 2004.

Regional Anesthesia and Pain Medicine 2004. Controversies in Regional Anesthesia, breakfast and discussion with the experts. Toronto, Ontario. October 3, 2004.

7th Pan American Symposium on Regional Anesthesia and Pain Management. Combined spinal-epidural technique: what should we be discussing? Recife, Brazil. August 19-21, 2004.

7th Pan American Symposium on Regional Anesthesia and Pain Management. Post-dural puncture headache in obstetrics: differential diagnosis. Recife, Brazil. August 19-21, 2004.

The Roberto Simão Mathias Distinguished Lecturer. 7th Pan American Symposium on Regional Anesthesia and Pain Management. Labor analgesia: what does the future hold? Recife, Brazil. August 19-21, 2004.

XXVI Congreso Colombiano de Anestesiología. Post dural puncture headache. Bogotá, Colombia. March 18-20, 2005.

XXVI Congreso Colombiano de Anestesiología. Pharmacology of drugs injected into the epidural and intrathecal space. Bogotá, Colombia. March 18-20, 2005.

XXVI Congreso Colombiano de Anestesiología. Post-Partum Hemorrhage. Bogotá, Colombia. March 18-20, 2005.

XXVI Congreso Colombiano de Anestesiología. Controversies in obstetric anesthesia. Bogotá, Colombia. March 18-20, 2005.

30th Annual Spring Meeting of the American Society of Regional Anesthesia and Pain Management. OB Anesthesia Update. Toronto. April 21, 2005.

30th Annual Spring Meeting of the American Society of Regional Anesthesia and Pain Management. OB Anesthesia and dural puncture. Toronto. April 21-24, 2005.

30th Annual Spring Meeting of the American Society of Regional Anesthesia and Pain Management. Regional anesthesia in the complicated obstetric patient: drawing the line between risk and benefit. Toronto. April 21-24, 2005.

37th Annual Meeting of the Society of Obstetric Anesthesia and Perinatology. International Aspects of Obstetric Anesthesia. Palm Desert, Cal, USA. May 4-7, 2005.

2005 Refresher in Primary Care Obstetrics. Management of pain in labor: alternatives to the epidural. Victoria College, Toronto, Ontario. May 13, 2005.

2nd Congresso Paulista de Anestesiología. The MLAC Concept. Sao Paulo, Brazil. May 20-22, 2005.

2nd Congresso Paulista de Anestesiologia. The use of oxytocin in obstetric anesthesia. Sao Paulo, Brazil. May 20-22, 2005.

Chan V.

Canadian Anesthesiologists' Society 61st Annual meeting. The Art and Science of Ultrasonographic Guided Regional Anesthesia Vancouver, BC. June 19, 2005

Canadian Anesthesiologists' Society 61st Annual meeting. Workshop Leader, Ultrasound Guided Nerve Block – Part I and II. Vancouver, BC. June 19, 2005

Canadian Anesthesiologists' Society 61st Annual meeting. Symposium – Multimodal Pain Therapy to Aid Surgical Rehabilitation, Regional Analgesic Considerations. Vancouver, BC. June 18, 2005

30th Annual Spring Meeting, American Society of Regional Anesthesia & Pain Medicine. Workshop Leader, Ultrasound Guided Peripheral Nerve Blocks. Toronto, ON. April 22, 2005

30th Annual Spring Meeting, American Society of Regional Anesthesia & Pain Medicine. Ultrasound Imaging in Regional Anesthesia. Toronto, ON. April 21, 2005

2nd Annual Ultrasound and Regional Anaesthesia International Symposium. Brachial Plexus Block above the Clavicle. Schwetzingen, Germany. April 1, 2005

2nd Annual Ultrasound and Regional Anaesthesia International Symposium. Sciatic Nerve Blocks. Schwetzingen, Germany. April 1, 2005

Chung F.

Organizational Planning: Patient Education, Standardized Orders, Clinical Pathways, Fast-Track Surgery, Pathophysiology, Results and Future Strategies meeting, Montreal, QC. June 26, 2005

PONV Reduction, Fast-Track Surgery, Pathophysiology, Results and Future Strategies meeting. Montreal, QC, June 25, 2005

Canadian Anesthesiologists' Society 61st Annual meeting. Sleep Apnea and Anesthesia. Vancouver, BC. June 18, 2005

Canadian Anesthesiologists' Society 61st Annual meeting. Symposium – Multimodal Pain Therapy to Aid Surgical Rehabilitation, Pharmacological Techniques. Vancouver, BC. June 18, 2005

18th Annual Meeting, Society for Ambulatory Anesthesia. Outcomes in Ambulatory Anesthesia. Scottsdale, Arizona. May 13, 2005

6th Annual International Congress on Ambulatory Surgery. Ambulatory Surgical Patients - Evidenced Based Selection Criteria. Seville, Spain. April 26, 2005

6th Annual International Congress on Ambulatory Surgery. Multimodal Analgesia for Postoperative Pain Control. Seville, Spain. April 25, 2005

Toronto Anesthesia Symposium. Obstructive Sleep Apnea: What Are We Going To Do?. Toronto, Ontario, April 9, 2005

Sleep Apnea, 10th Annual Okanogan Anesthesia Conference, Vernon, BC, January 30, 2005

10th Annual Okanogan Anesthesia Conference. Pain and Symptom Management in the Ambulatory Care Setting. Vernon, BC. January 29, 2005

St. John's Regional Health Centre. Pain and Symptom Management in the Ambulatory Setting. Murray Place, St. John's, NF. October 6, 2004

Queen Elizabeth II Health Science Centre. Sleep Apnea and Anesthesia. Halifax, NS. October 5, 2004

Humber Memorial Hospital. Outpatient Selection Criteria Evidence-Based Criteria. Toronto, ON. September 8, 2004

Cooper RM.

First International Airway Symposium. 1. Use of the GlideScope® in Airway Management 2. Workshop: GlideScope® demonstration. Padua, Italy. June 23-25, 2005

46th Annual McGill Anesthesia Update. 1. Extubation of the Difficult Airway 2. Workshop: Airway gadgets. Montreal, Quebec. May 28, 2005

Clinical Engineering Society of Ontario. Anesthesia Information Management System—A Clinician's Perspective. Toronto, Ontario. May 26, 2005

University of Michigan, Difficult Airway Workshop. 1. GlideScope®—important tool or just another toy? 2. Cricoid Pressure: Myths and half-truths. 3. Laryngoscopy—past and future 4. Workshop: GlideScope® Scottsdale, AZ. April 18-20, 2005

Toronto Anesthesia Symposium. 1. Strategies for Extubation of the Difficult Airway 2. Airway Workshop. Toronto, Ontario. April 9-10, 2005

Visiting Professor, University of Western Ontario 1. Post-SARS: Infection Control on the Small Stage (Multidisciplinary Grand Rounds) 2. Resident seminar. London, Ontario. January 19, 2005

Toronto Anaesthesia Practice 2004: Airway Workshop, Toronto, Ontario. November 28, 2004

OMA/CAS Conference. Post-SARS: Are we prepared? Extubation of the Difficult Airway. Hockley Valley, Ontario. November 13-14, 2004

Visiting Professor, Grand Rounds. Yale Medical School . 1 Resident Lecture: Extubation of the Difficult Airway 2. Grand Rounds: GlideScope®—just another airway toy or an important new tool? Department of Anesthesiology. November 2-3, 2004

Workshop in Airway Management, Campus Bio-Medico di Roma, University School of Medicine, 1.Extubation of the Difficult Airway. 2.Laryngoscopy—past and future. 3. GlideScope®: clinical experience 4.Cricoid pressure: why, when and how 5.Airway workshop. Rome Italy. October 8-9, 2004

Combined Grand Rounds. University of Toronto, Department of Anesthesia. Infection Control Issues: Anesthesia after SARS. Toronto, Ontario. September 24, 2004

Cox P.

26th Annual Meeting of the Dutch Society of Paediatrics (NVK). Quality Assessments in Pediatric Intensive Care Units. Amsterdam, The Netherlands. November 2004

PALISI Meeting (Principal Investigators Meeting). New York, NY. October 2004

San Antonio Children's Hospital. Panelist - Round-table discussion. San Antonio, TX. October 2004

2nd Annual Canadian Critical Care Conference. 1.Can Protocols Improve Patient Safety in the PICU? 2.Preventing Nosocomial Infections in the Critical Care Environment. Whistler, BC. February 2005

Toronto Critical Care Medicine Symposium 2004. Surfactant and glue. Toronto, Ontario. October 2004

Davies S.

2nd Annual Mount Sinai Hospital Obstetric Anesthesia Conference. Where has my local anesthetic gone? Blame the subdural space. Toronto, September 11, 2004.

Anesthetic Practice 2004. Trouble rounds in obstetrical anesthesia. University of Toronto, Toronto, Ontario, November 28, 2004.

Devito I.

2nd Annual Mount Sinai Hospital Obstetric Anesthesia Conference. Communication in the Labour and Delivery Floor: usually.....a busy line! Toronto, September 11, 2004.

North York General Hospital. Communication in Labour and Delivery. North York, November 2004

Djaiani G.

Canadian Anesthesiologists' Society 61st Annual Meeting. Perioperative Neuroprotection in Cardiac Surgery. Vancouver, BC. June 2005

Outcomes 2005. Annual Meeting. Aortic Arch Atheroma: Stroke Reduction in Cardiac Surgical Patients. Key West, Florida, USA. May 2005

Society of Cardiothoracic Anesthesiologists 27th Annual Meeting. Panel Speaker: The Use of TEE for Hemodynamic Instability Post Major Vascular Surgery. Baltimore, Maryland, USA. April 2005

Society of Cardiothoracic Anesthesiologists 27th Annual Meeting. Problem Based Learning Discussion Faculty Member: Epiaortic scanning of the ascending aorta. Baltimore, Maryland, USA. April 2005

Anesthesia Update. HOCM and Echocardiographic implications. Puerto Rico, USA. January 20, 2005

International Anesthesia Research Society. Abstract Selection Committee. October 2004

Abstract Selection Committee: International Anesthesia Research Society. October 2004

IARS 78th Clinical and Scientific Congress. Co-Chair, Plenary Session. Tampa, FL, USA. March 2004

El-Beheiry H.

Toronto Anesthesia Symposium. Workshop, Airway Adjuncts. Toronto, Ontario. April 10, 2005

Rikshospitalet University Hospital. Work Shop, Anaesthetic actions on the aging synapse, Research group in cerebral pathophysiology, Institute for surgical research. Oslo, Norway. September 16, 2004

Rikshospitalet University Hospital. University of Oslo. The future of invasive clinical neuromonitoring. Oslo, Norway. September 16, 2004

Department of Neurosurgery, Rikshospitalet University Hospital. University of Oslo. Intraoperative brain protection: Is it mission impossible? Oslo, Norway. September 15, 2004

Fisher J.

Visiting Professor. Department of Hyperbaric Medicine and Department of Anesthesiology, Duke University Health Sciences Center. The V_A method: Precise end-

tidal gas control. 2) Differential Fick and non-invasive cardiac output determination in spontaneously ventilating subjects. Durham N.C. December 2004

Visiting Professor. University of Colorado Health Sciences Center. The “CVP Seminar”; Colorado Center for Altitude Medicine and Physiology. The $\dot{V}A$ method: Precise end-tidal gas control. November 2004

Advanced Technology Applications for Combat Casualty Care. Ventilatory circuit design for oxygen conservation and noninvasive cardiac output in the field. St. Petersburg, FL. July 2004

Institute for Rescue Disaster Medicine. Oxygen delivery in the field: Simple solutions to longstanding problems. Almaty, Kazakhstan. July 2004

Regional Cancer Institute. Inhaled radiotherapy adjuvant: More effective alternative to Carbogen. Almaty, Kazakhstan. July 2004

The 5th Biennial Course on the Management of Thyroid Nodular Disease and Cancer. Lessons learned at 19,000' in the Bolivian Andes. The Lister lecture. Toronto, Ontario. June 2004

Gagliese L.

Annual Provincial Palliative Care Conference. Pain in the elderly palliative care patients. Chester, Nova Scotia. May 2005

International Society for the Study of the Aging Male. North American congress on the Aging Male. Understanding pain and its management in the aging male. Vancouver, BC. February 2005

Behavioural Sciences and Health Research Division Seminar. Predictors of the development of chronic post-mastectomy pain: a research proposal. University Health Network, Toronto, Ontario. December 2004

The Art and Science of Pain Management Conference. Pain in the geriatric patient. Toronto, Ontario. April 2005

Goldszmidt E.

2nd Annual Mount Sinai Hospital Obstetric Anesthesia Conference. PCEA for Labor Analgesia: Is There an Ideal Regimen? Toronto, Ontario. September 11, 2004.

Toronto Anesthesia Symposium. The Obstetric Airway: What's The Big Deal? Toronto, Ontario. April 2005.

Invited speaker to Southlake Regional Health Centre. PCEA for Labor Analgesia: Is There an Ideal Regimen? March 2005.

Halpern S.

Canadian Society of Anesthesiologists' Annual Meeting. The morbidly obese parturient. Vancouver, BC. June 19, 2005

Midwifery Education Programme. Pharmacologic Pain Relief in Labour. Ryerson University, Toronto, Ontario. September 7, 2004

Midwifery Education Programme. Systemic Analgesia for Labour. Ryerson University, Toronto, Ontario. September 7, 2004

Midwifery Education Programme. Neuraxial Analgesia for Labour. Ryerson University, Toronto, Ontario. September 7, 2004

Midwifery Education Programme. Neuraxial Analgesia for Labour: Practical Aspects. Ryerson University, Toronto, Ontario. September 7, 2004

Hare GMT.

Case Western Reserve University, Department of Neurology, School of Medicine. Mechanisms of Anemia Induced Cerebral Injury. Cleveland Ohio. April 21, 2005.

Critical Care Progress Rounds. Interdepartmental Division of Critical Care Medicine. Anemia Induced Cerebral Gene Expression. University of Toronto, March 1, 2005.

Department of Critical Care, Sunnybrook and Women's Health Sciences Centre. Mechanisms of anemia induced cerebral injury. January 25, 2005.

Division of Cardiovascular Surgery, St. Michael's Hospital. Increased morbidity and mortality associated with low hematocrit on CPB; Rationale for optimizing blood conservation strategies. Toronto, Ontario. May 21, 2004.

Critical Care Research Rounds. Hospital for Sick Children. Anemia induced cerebral hypoxia in health and disease. Toronto, Ontario. May 20, 2004.

Jadad AR.

Son Llatzer Hospital International Conference on eHealth Innovation. Promoting partnership with patients to improve health. Majorca, Balears, Spain. July 5, 2004

IAVANTE. ELearning: bringing innovations from the lab to the real world. Seville, Spain, July 15, 2004

Parque Tecnológico de Andalucía. Ehealth: new business opportunities in the internet age. Malaga, Spain, July 16, 2004

Grand Rounds. Department of Medicine, McMaster University. Managing pain in the internet age. Hamilton, Ontario, September 23, 2004

McMaster University Pain Symposium. Bringing evidence to geriatric pain management in the age of the internet. Hamilton, Ontario, September 23, 2004

Back to school conference: Those who dare, soar. Trillium Health Centre. Mississauga, Ontario, September 22, 2004

Western Pain Day. Promoting partnerships to improve pain management and research in the information age. London, Ontario, September 29, 2004

Annual Meeting of the Royal College of Physicians and Surgeons of Canada. The virtual specialist: will we meet the needs of the next generation of patients? Ottawa, Ontario, October 1, 2004

Cochrane Colloquium: Bridging the Gaps. Epistemological relativism: discordant reviews. Ottawa, Ontario, October 3, 2004

TGH Institute Rounds. A fix for a generation: research frontiers to explore in the era of eHealth, Toronto, Ontario. October 20, 2004

Annual Research Day. Working with patients as partners: New opportunities for knowledge translation in the age of the internet. October 26, 2004

American Academy of Pain Medicine. Optimizing the management of pain in the internet age. Pfizer Professorship at Johns Hopkins, Baltimore. October 27-29, 2004

2004 CNSA Ontario Regional Conference. Bridging gaps in the age of the internet: Are nurses ready to meet the needs of our next generation? Toronto, Ontario. October 30, 2004

Laval Conference. Bias manipulation and distortion of research evidence: how vulnerable are our tools and our minds? Quebec City, Quebec. November 9, 2004

Regional Best Practice in Ontario. OHA 2004 Convention. Ehealth Innovation. Toronto, Ontario. November 15, 2004

The 2004 Ontario Federation of Agriculture Convention. Food, health and consumers in the age of the internet. Toronto, Ontario. November 22, 2004

Spanish Congress of Family and Community Medicine. Family physicians and patient care in the age of the internet. Seville, Spain. December 9, 2004

Foresight Links Corporation. Evidence-based decision-making: a new language of partnership? Experimental workshop to explore innovative ways to re-build trust in research. Toronto, Ontario. January 19, 2005

Opening of the Markin Institute for Public Health, University of Calgary. Health Promotion and population health: a view from the Internet age. Calgary, Alberta. February 3, 2005

Workshop. Tom Baker Cancer Centre. Transforming the management of cancer in the internet age. Calgary, Alberta. February 3, 2005

American Ginseng Consumer Awareness Campaign. Does the use of American Ginseng need to be evidence-based? Toronto, Ontario. February 4, 2005

Toronto Rheumatology Rounds, Hospital for Sick Children Auditorium. Re-building trust: exploring new opportunities for partnership among academia, the health system, industry and the public. Toronto, Ontario. February 8, 2005

Keynote Lecture. Kaiser Permanente. Kaiser retreat on evidence-based decision-making. Hawaii. February 19-21, 2005

Keynote via videoconference. Galil Center for Medical Informatics and Telemedicine. Haifa, Israel, March 7, 2005

Ontario Wait Time Strategy and Ontario Hospital Association Retreat. Eliminating unnecessary wait. Toronto, Ontario. March 7, 2005

Karkouti K.

University of Toronto, Department of Cardiovascular Surgery, University Health Network. The RICH trial: donation brings good fortune. 2004

Vancouver General Hospital and The Vancouver Blood Club. Excessive blood loss and recombinant factor VIIa. Vancouver, BC. 2004

SABM Symposium. Management of blood loss in spine surgery. Arizona, USA. 2005

National research forum for young investigators in circulatory and respiratory health. Blood loss is a perioperative risk factor. Winnipeg, Manitoba. 2004

McGill Anesthesia Update. Blood Transfusion – current guidelines: how low can one go? Blood conservation techniques. Montreal, Quebec. 2004

Canadian Anesthesiologists' Society Annual Meeting. Chair of satellite symposium on activated recombinant factor VII by Novo Nordisk. Vancouver, Canada. 2005

Toronto Anesthesia Symposium. Update on the risks and benefits of perioperative blood transfusion. Toronto, Ontario. 2004

Karski J.

Toronto TEE Symposium. TEE and aortic valve surgery. Toronto, Ontario. October 2004

Whistler Cardiac Team Meeting. Role of TEE in Critically ill patient. Whistler, BC. March 2005

Visiting Professor. Department of Cardiovascular Surgery and Transplantology at the Jagiellonian University. TEE in Intensive Care. TEE in diagnosis of acute aortic dissection. Krakow, Poland. April 29, 2005

Karsli C.

Humber River Regional Anesthesia Group. Anesthesia for Children and Infants. Toronto, May 18, 2005

Toronto Anesthesia Symposium: Update on Airway Management. Pediatric Airway Management. Toronto, April 9, 2005

Credit Valley Hospital Grand Rounds Lecture Series. Anesthesia for Pediatric Laparoscopic Surgery. Mississauga, March 8, 2005

Grand Rounds Lecture Series. Markham Stouffville Hospital. Anesthesia for Children and Infants. January 26, 2005

Grand Rounds Lecture Series Scarborough General Hospital. Anesthesia for Children and Infants. December 7, 2004

Ontario Dental Society of Anaesthesiology Meeting 2004. Anesthesia and Street Drugs. November 20, 2004

The Toronto Pediatric Endoscopy Course. Anesthesia for Pediatric Airway and Esophageal Endoscopy. Toronto, November 12, 13, 2004

Emergency Department Grand Rounds. Emergency Pediatric Airway Management. Hospital for Sick Children. Toronto, Ontario. July 29, 2004

Toronto Anesthesia Symposium: Update on Airway Management. Moderator, Workshop: Pediatric Fiberoptic Intubation. Toronto, ON, April 9, 2005

Katz J.

UHN Interdisciplinary Pain Day. Opening Keynote Address. Pain is not a Game. Predictors of chronic pain. University Health Network, Toronto, Ontario. September 15, 2004.

7th International Conference on the Mechanisms and Treatment of Neuropathic Pain. A clinical research agenda for neuropathic pain: Natural history and mechanisms.

Roundtable: Toward a clinical research agenda for neuropathic pain. Bermuda.
November 6, 2004.

City Wide Anesthesia Rounds. Factors involved in the development and prevention of chronic post-surgical pain. Sunnybrook and Women's College Health Science Centre. Toronto, Ontario. Jan. 16, 2004.

2005 Annual Conference of the Canadian Pain Society. Exploring potential similarities and differences between chronic pain in infants and chronic pain in verbal populations: Expanding the notion of chronic pain to infancy. Halifax, NS. May 14, 2005

CIHR Training Grant Summer School. Pain from Community to Molecules. Transition of acute to chronic pain after cardiac surgery and other types of surgeries – Clinical understanding of the underlying mechanisms. Merrickville, Ontario. June 2, 2005

Kavanagh B.

Science Foundation of Ireland (SFI). Ventilator-Associated Lung Injury: From Biology to Epidemiology. Galway, Ireland. SEPTEMBER 2004

9th Annual Toronto Critical Care Medicine Symposium. 1. Ventilator-Associated Lung Injury - are adults the same as children? 2. pH and PCO₂ in Applied Physiology. Toronto, Canada. OCTOBER 2004

International Symposium on Lung Injury. 1. Hypercapnia, Hypoxia & Pulmonary Inflammation. 2. Pediatric ARDS, Adult ARDS -what are the differences? Mexico City, Mexico. NOVEMBER 2004

The College of Anesthetists of Ireland. The Winter College Lecture. Dublin, Ireland. DECEMBER 2004

Society of Intensive Care Medicine (postgraduate course). Refresher Course Lecture: Targets in ARDS. Orlando, USA. JANUARY 2005

25th International Symposium on Intensive Care Medicine. Brussels, Belgium. MARCH 2005

American Thoracic Society. 1. Postgraduate Symposium - 'Mechanical Ventilation and the Child': Organizer, co-chair, speaker. 2. Poster Discussion: Ventilator-Induced Lung Injury: co-chair. San Diego, USA. MAY 2005

16th SMART Conference (Anesthesiology and Critical Care). Milan, Italy. MAY 2005

Pediatric Academies Society - Annual Scientific Meeting. Washington, DC., USA. MAY 2005

Laflamme C.

5th Annual Tremblant Perioperative Medicine Conference. Glucose Control in Perioperative Period. February 2005

Loke JCP.

Malignant Hyperthermia Oakville-Trafalgar Hospital. New recommendations in preparation and administration of dantrolene for treatment of malignant hyperthermia. Oakville, Ontario. February 17 2005

Perioperative Retreat. Malignant Hyperthermia. Mt Sinai Hospital. Five updated policies and procedures documents to deal with acute MH crises; preventative treatment and routine post-operative management of patients at risk of MH; anaesthesia machine preparation; streamlined dantrolene stocking and supply; overhaul of the malignant hyperthermia cart. Toronto, Ontario. December 12, 2004

Lu W-Y.

Department of Biomedical and Pharmaceutical Science, University of Montana. Acetylcholinesterase and glutamatergic transmission. April 2005.

Macarthur A.

2nd Annual Mount Sinai Hospital Obstetric Anesthesia Conference. LMWH vs Unfractionated heparin in the 3rd trimester of pregnancy: keep in mind anesthesia! Toronto, Ontario. September 11, 2004.

2005 Annual Meeting of the Society of Obstetric Anesthesiologists and Perinatologists. Poster Review Session. Palm Desert, CA. May 2005.

Canadian Anesthesiologists' Society Annual Meeting. Debator. Pro / Con debate: Combined spinal-epidural anesthesia for elective cesarean delivery. (Con-Alison Macarthur, Pro-Mike Paech) Vancouver, B.C. June 2005.

Mexican Anesthesiologist Society 2005 Annual Meeting. Visiting Professor. Cardiovascular disease in pregnancy; Postpartum analgesia. Mexico City, Mexico. June 2005.

MacPherson BA.

Anesthesia Practice. Perioperative Management of the Difficult Child and Parent. University of Toronto. Toronto, ON. November 2004

Review of Pediatric Anesthesia Risks. University of Western Ontario, London, Ontario. November 2004

Senior residents Practice Oral Session. University of Western Ontario, Department of Anesthesia. May 2005

Mazer CD.

9th International Congress of Cardiothoracic and Vascular Anesthesia. Use of Recombinant Factor VIIa in Cardiac Surgery. Tokyo, Japan. Sept 8-11, 2004.

Toronto Critical Care Medicine Symposium. Is there a Role for Awake Sedation? Toronto, Ontario. October 21-23, 2004.

11th Annual Winterlude Symposium, Clinical Update: 2005: The Cardiac Patient for Non-Cardiac Surgery. Diagnosis and Treatment of Perioperative Myocardial Ischemia and Infarction. University of Ottawa, Ottawa, Ontario. February 5, 2005.

10th Annual Update on Cardiopulmonary Bypass. Left Heart Failure and Cardiogenic Shock in the ICU. Snowmass, Colorado. March 13-18, 2005.

McCartney CJL

Canadian Anesthesiologists' Society 61st Annual meeting. Symposium – Multimodal Pain Therapy to Aid Surgical Rehabilitation, What is the Problem and How Can We Solve It? Vancouver, BC. June 18, 2005

Canadian Anesthesiologists' Society 61st Annual meeting. Workshop, Ultrasound Guided Nerve Block – Part I and II. Vancouver, BC. June 19, 2005

30th Annual Spring Meeting, American Society of Regional Anesthesia & Pain Medicine. Workshop Leader, Ultrasound Guided Peripheral Nerve Blocks. Toronto, Ontario. April 22, 2005

30th Annual Spring Meeting, American Society of Regional Anesthesia & Pain Medicine. Workshop Leader, Variations of the Subclavicular Block. Toronto, Ontario. April 21, 2005

Visiting Professor: The Varkey Continuous Catheter Regional Anesthesia and Anatomy Workshop, University of Western Ontario. Ultrasound-guided infraclavicular block. London, Ontario. December 11, 2004

McCluskey SA.

St Joseph's Health Science Center. Perioperative Fluid Therapy – Where do colloids fit In. Toronto Ontario. December 8, 2004.

Managing a Perioperative Blood Conservation Program Hospital. Scarborough General Hospital, Scarborough, Ontario. November 23, 2004

Perioperative Fluid Therapy – Where do colloids fit In. Kitchener, Waterloo, Ontario. November 11, 2004

Lakeridge Anesthesia Group. Perioperative Fluid Therapy – Where do colloids fit In. Lakeridge, Ontario. October 6, 2004.

Beyond the Fluid Therapy Challenge: New Data, New Controversies – John Doyle (Moderator). Toronto, Ontario. September 30, 2004

Managing a Perioperative Blood Conservation Program. Ortho Biotech Sponsored. Toronto, Ontario. September 30 2004

ONTraC Coordinators Meeting. Anesthesiologist Perspective of Blood Conservation. Toronto, Ontario, August 12, 2004

Canadian Anesthesiologists' Annual Meeting. Perioperative Blood Conservation: From Clinical Research to Clinical Practice. Chair, Satellite Symposium. Vancouver, BC. June 2005

Windsor Anaesthesiologist's Group. Perioperative Fluid Therapy – Where do colloids fit In. Windsor, Ontario. May 11, 2005.

ONTraC Coordinators Meeting. Use and Abuse of PAD and ANH. Toronto, Ontario. March 30, 2005

Toronto East General. Perioperative Fluid Therapy – Where do colloids fit In. Toronto, Ontario. April 20, 2005.

McRae K.

8th Annual Toronto Lung Transplant Retreat. Blood Transfusion in Lung Transplant Recipients at the Toronto General Hospital. Toronto, Ontario. July 8, 2004

Donation after Cardiocirculatory Determination of Death, a forum sponsored by the Canadian Council on Donation and Transplantation and Health Canada. Vancouver, British Columbia. February 17-20, 2005

Middleton W.

Toronto Anesthesia Symposium. Workshop, FOB: Adult, Pediatrics. Toronto, Ontario. April 10, 2005

Morgan PJ.

Canadian Anesthesiologists' Society Annual Meeting. Canadian Anesthesia Research Foundation Symposium. The future of research in education. Vancouver, British Columbia. June 2005.

City wide rounds. Simulation: From Flight Deck to Delivery Room. Department of Obstetrics and Gynecology, University of Toronto. Toronto, Ontario. June 2005

Murphy P.

Controversies in Perioperative Medicine. Update in Thoracic Anesthesia. Tuscany, Italy. May 17 2005

Making Your Mark, National Anesthesia Review Course. Review of Thoracic Anesthesia. Banff, Alberta. February 26 2005

TGH Perioperative TEE Symposium. Toronto, Ontario. TEE Assessment of Ischemic Mitral Regurgitation. October 30 2004

Canadian Cardiovascular Congress. Ischemic Mitral Regurgitation Workshop. Calgary, Alberta. October 26 2004

St Paul's Hospital. Artifacts and Anatomical Pitfalls in TEE. Vancouver, BC. October 13 2004

Royal Columbian Hospital. Artifacts and Anatomical Pitfalls in TEE. Vancouver, BC. October 14 2004

University of British Columbia. Postgraduate Anesthesiology Seminars. Oral Exam Process. Vancouver, BC. October 13 2004

University City-Wide Rounds/Visiting Professor Lecture. University of British Columbia. TEE and Intraop Assessment of Congenital Heart Disease. Vancouver, BC. October 13 2004

Visiting Professor. University of British Columbia. Department of Anesthesiology. Vancouver, BC. October 2004

Orser B.

Visiting Professor. Department of Physiology and Pharmacology, University of Western Ontario. London, Ontario. April 2005-10-24

Peng P.

Society for Urodynamics & Female Urology and International Society of Pelvic Neuromodulation -Joint Annual Meeting. Treatment Panel: Intrathecal Analgesic Delivery System and Pelvic Pain. Orlando, Florida. February 27, 2005

Anesthesia Alberta 2005. SARS: How it affects your practice. Banff, Alberta. February 20, 2005

Regional Anesthesia and Pain Management Round. Driving and chronic opioid therapy. University Health Network, Toronto, Ontario. February 17, 2005

Neurosurgery teaching round. Chronic pain block and intrathecal analgesia, Hospital for Sick Children, Toronto, Ontario. January 7, 2005

Regional Anesthesia and Pain Medicine 2004 Conference. Workshop Leader, Spinal Cord Simulator. Sutton Place Hotel, Toronto, Ontario. October 3, 2004

Regional Anesthesia and Pain Medicine 2004 Conference. Workshop Leader, Intrathecal Pump. Sutton Place Hotel, Toronto, Ontario. October 3, 2004

Perlas A.

Canadian Anesthesiologists' Society 61st Annual Meeting. Workshop, Ultrasound Guided Nerve Block – Part I and II. Vancouver, BC. June 19, 2005

SAMBA Annual Meeting. Workshop, Ultrasound guided peripheral nerve blocks- Brachial plexus above the clavicle. Scottsdale, Arizona. May 12, 2005

30th Annual Spring Meeting, American Society of Regional Anesthesia & Pain Medicine. Workshop Leader, Ultrasound Guided Peripheral Nerve Blocks. Toronto, Ontario. April 22, 2005

30th Annual Spring Meeting, American Society of Regional Anesthesia & Pain Medicine. Workshop Leader, Below the Clavicle Blocks: Infraclavicular and Axillary. Toronto, Ontario. April 21, 2005

The Varkey Continuous Catheter Regional Anesthesia and Anatomy Workshop. Ultrasound imaging for Femoral and Sciatic Nerve Blocks. University of Western Ontario, London, Ontario. December 11, 2004

Anesthesia Practice 2004. Plenary Session, Anticoagulation and Regional Anesthesia. University of Toronto, Toronto, Ontario. November 17, 2004

Regional Anesthesia and Pain Medicine 2004 Conference. Workshop Leader, Ultrasound Guided Blocks. Sutton Place Hotel, Toronto, Ontario. October 3, 2004

Prabhu A

Toronto Anesthesia Symposium. Workshop, LMA's Intubating LMA, Supraglottic Airways. Toronto, Ontario. April 10, 2005

Riegert, D.

5th annual Tremblant Anesthesia Conference. Meeting Coordinator. Mont Tremblant, Quebec. February 2004.

Roy WL.

Canadian Pediatric Anesthesia. Telehealth Montebello-Melbourne Australia - Joint Session Society of Paediatric Anaesthesia of New Zealand/Australia and Canadian Pediatric Anesthesia Society. Montebello Quebec. October 15, 2004

Dannemiller Memorial Educational Foundation. Pediatric Anesthesia – Perspectives of Experienced Practitioners Sedative Premedication – Who Needs It? Las Vegas Nevada. April 29- May 1 2005

Dannemiller Memorial Educational Foundation. Pediatric Anesthesia – Perspectives of Experienced Practitioners Drug Error and the Anesthesiologist. Las Vegas, Nevada. April 29- May 1 2005

Dannemiller Memorial Educational Foundation. Pediatric Anesthesia – Perspectives of Experienced Practitioners T&A for the Child with Sleep Apnea. Las Vegas, Nevada. April 29- May 1 2005

Dannemiller Memorial Educational Foundation. Pediatric Anesthesia – Perspectives of Experienced Practitioners Awake Extubation – The Only Way. Las Vegas Nevada. April 29- May 1 2005

Canadian Anesthesiologists' Society Meeting. Pediatric publications that have changed my practice. Vancouver, BC. June 20, 2005

Slinger P.

Canadian Anesthesiologist's Society Annual Meeting. Lung Isolation Workshop. Problematic Hypoxemia During One-lung Anesthesia. Vancouver, BC. June 2005

Visiting Professor, Department of Anesthesia, Scott and White Memorial Hospital, Texas A&M University, Temple, Texas. June 2005

Annual Meeting of the European Association of Cardiothoracic Anaesthesiologists. Management of One-lung Anesthesia: State of the Art 2005. Montpellier, France. June 2005

Visiting Professor, Hopital Cardiovasculaire et Pneumologie Louis Pradel, Lyon, Franc. June 2005

Dannemiller Review Course in Anesthesiology. Preoperative Assessment, Lung isolation, One-lung Ventilation, Mediastinal Masses, Post-thoracotomy Analgesia. Chicago, IL. May 2005

Dannemiller Review Course in Anesthesiology. Preoperative Assessment, Lung isolation, One-lung Ventilation, Mediastinal Masses, Post-thoracotomy Analgesia. San Antonio, TX. June 2005

Toronto Anesthesia Symposium. Workshop: Lung Isolation for Thoracic Anesthesia. Toronto, Ontario. April 2005

Visiting Professor, Department of Anesthesia, King Khalid University Hospital. Riyadh, Saudi Arabia. March 2005

Symposium on Anesthesia for Minimally Invasive Surgery. King Saud University. Anesthesia for Lung Volume Reduction Surgery, Anesthesia for Thoracoscopic Esophagectomy. Riyadh, Saudi Arabia. March 2005

Annual New York Anesthesiology Review. Lung Isolation; Management of One-lung Anesthesia; Respiratory Physiology. Orlando, FL. March 2005

Anesthesia Research Society Annual meeting. Management of One-lung Anesthesia. Preoperative Assessment for Pulmonary Resection. Int. Honolulu, HI. March 2005

Management of One-lung Anesthesia. South Asia Congress of Anaesthesiologists. Preoperative Assessment for Pulmonary Resection. Colombo, Sri Lanka,. February 2005

Visiting Professor, Department of Anesthesia. University of Alberta, Edmonton, Alberta. January 2005

Review Course in Cardiovascular and Thoracic Anesthesia. Hospital de la Santa Creu I Sant Pau. Prediction and Management of Hypoxemia During One-lung Ventilation. Barcelona, Spain. November 2004

Perioperative Transesophageal Echocardiography Symposium. University of Toronto. TEE Unknowns. Toronto, Ontario. October 2004

Annual Meeting, American Society of Anesthesiologists, Will this Patient Tolerate a Pneumonectomy? Problem-based Learning Discussion. Las Vegas, NV. October 2004

Visiting Professor, Department of Anesthesia, University of Cincinnati, Cincinnati, OH. September 2004

International Congress of Cardiothoracic and Vascular Anesthesia. Management of One-lung Anesthesia and Techniques for Lung Isolation. Tokyo, Japan. September 2004

Tarshis J.

Anaesthetic Practice. GP Anaesthesia Forum Panel. November 2004.

5th Annual Tremblant Perioperative Medicine Conference. Medical Error: Inevitable or Preventable. February 2005

Anaesthesia and Obstetric Rounds, The Scarborough Hospital, General Division. Epidural Anesthesia for Labour: Friend or Foe? April 2005

Visiting Professor. University of Alberta, Edmonton. Anesthesia & Outcomes: Nihilism or Optimism? May 2005

Tharmaratnam U.

2nd Annual Mount Sinai Hospital Obstetric Anesthesia Conference. Post dural puncture headache: the usual and the unusual. Toronto, Ontario. September 11, 2004.

Tumber P.

The 11th Annual Changing the Face of Pain Conference. Pain and Addiction. Toronto, Ontario. May 5, 2005

30th Annual Spring Meeting, American Society of Regional Anesthesia & Pain Medicine. Workshop Leader, Psoas Compartment Blocks. Toronto, Ontario. April 23, 2005

30th Annual Spring Meeting, American Society of Regional Anesthesia & Pain Medicine. Workshop Leader, Continuous Lower Extremity Blocks. Toronto, Ontario. April 21, 2005

Hand Surgery Rounds. Complex Regional Pain Syndromes. Hospital for Sick Children. Toronto, Ontario. December 14, 2004

PACU Nurse Lecture Series. Opioid Tolerance. Toronto General Hospital. Toronto, Ontario. October 29, 2004

Surgical Services Morning Rounds. Acute Pain Management. Trillium Health Center, Mississauga, Ontario. October 15, 2004

Workshop Leader, Lumbar Plexus Blocks, Regional Anesthesia and Pain Medicine 2004 Conference, Sutton Place Hotel, Toronto, ON, October 3, 2004

UHN Second Interdisciplinary Pain Day (Pain Is Not a Game). Opioid Tolerance. Toronto, Ontario. September 15, 2004

Van der Vyver M.

Anesthetic Practice. Update on Obstetrical Anesthesia. Interactive Session for GP Anesthetists. University of Toronto. November 2004.

Anesthetic Practice. Workshop: Intravenous Patient Controlled Analgesia for Labour Pain.

University of Toronto. November 2004.

Vegas A.

Canadian Anesthesiologists' Society Annual Meeting. Chair TEE Workshop. Diagnostic Dilemmas. 2005

Society of Cardiovascular Anesthesia. Problem Based Learning Discussion: Pacemakers and AICDs. 2005

TGH TEE Symposium. TEE for Endocarditis. Toronto, Ontario. October 30-31 2004

TGH TEE Symposium. Hemodynamics. Toronto, Ontario. October 30-31 20004

Surgical Services Rounds UHN. Perioperative Echocardiography: Transesophageal and Epiocardic. Toronto, Ontario . 2004

Wong D.

Toronto Anesthesia Symposium. Cannot Intubate, Cannot Ventilate: Are We Up to Speed? Toronto, Ontario. April 9, 2005

Yao P.

Visiting Professor. Xinxiang Medical College. Seventeen years of North American experience: Scientific and clinical. Henan, China. 2005

Yee D.

Sunnybrook Trauma Rounds. Speaker: Activity-Based Costing: A Trauma Patient at a Regional Trauma Centre. Toronto, Ontario. November 2004.

Making a Mark Senior Residents' Review Course. Complications of Anesthesia. Banff, Alberta. February 2005.

Toronto Airway Symposium. Sheraton Centre, Toronto, Ontario. Airway Considerations in Trauma. April 2005.

Toronto Airway Symposium. Sheraton Centre, Toronto, Ontario. Trauma Patient with the Uncleared: C-Spine – Pro-Con Debate. April 2005

Zhang H.

Toronto Airway Group Seminar, Medical Sciences Building, University of Toronto. Sepsis and treatment. Toronto, Ontario. January 26, 2005

Sepsis – lung infection and immunity. St. Michael's Research Seminar, Paul Marshall Theatre, St. Michael's Hospital. Toronto, Ontario. February 25, 2005

Critical Care Medicine City Wide Rounds. University of Toronto. Is lung a septic reservoir? Delta Chelsea Inn Hotel, Toronto, Ontario. March 15, 2005

PEER REVIEWED GRANTS

Asmundson GJG, Taylor S, Stein MB, Katz JD, Cox BJ, Jang KL. Canadian Institutes of Health Research – INMHA-New Emerging Team Grant (CIHR). \$291,986/yr (5 years). Understanding risk factors, co-morbidity, and global health issues in PTSD: Laying foundation for early identification in at-risk populations and improving preventive and treatment strategies for all Canadians. 2003-2008

Baker AJ. Physicians' Services Incorporated Foundation (PSI). \$160,000. Mechanism and optimal time window of neuroprotective effects of calpain inhibitor MDL-28170 on traumatic white matter injury. 2004-2006

Baker AJ, Tucker WS, Marotta T, Montanera W. National Institutes of Health (NIH) USD32,000/yr. National Institute of Neurological Disorders and Stroke. Multi-Centred Trial RO1 NS38484 (only Canadian site). Balloon Prophylaxis of Aneurysmal Vasospasm. 2001-

Deleted: ,

Deleted: ,

Beattie WS, Choi P. Canadian Institutes of Health Research (CIHR). \$300,000.(Multi-Center Study). The Peri-operative Epidural Trial: A pilot trial assessing the use of peri-operative epidural anesthesia and analgesia in the reduction of major post-operative cardio-pulmonary morbidity. 2005

Beattie WS, Wijeyesundera DN. Heart and Stroke Foundation of Ontario (Grant-in-Aid Program). \$94,986/yr (2 years). The PRIME (Perioperative Renal Insufficiency Management) study: A randomized, double-blinded, placebo-controlled trial of N-acetylcysteine for preventing renal injury after cardiac surgery. 2003-2005

Bohn D (Co-Investigator). Canadian Institutes of Health Research, Ontario Neurotrauma Foundation, CHEO Research Institute, HSC Foundation, Physicians' Services Incorporated Foundation, the Fonds de la recherche en sante du Quebec. \$1,619,829. Hypothermia Pediatric Head Injury Trial (HyP-HIT)A randomized controlled trial of moderate hypothermia in children with severe traumatic brain injury. 1998-2004

Bohn D (Co-Investigator). Heart and Stroke Foundation of Ontario. \$124,626. In-vivo assessment of myocardial force-frequency relationships in children. 2002-2004

Bohn D (Co-Investigator). Physicians' Services Incorporated, Hospital for Sick Children Foundation, Ferring. \$286,870. A Study of the Efficacy of Vasopressin in Pediatric Vasodilatory Shock. 2003-2005

Borger M, Djaiani G. Heart and Stroke Foundation of Ontario. \$59,249/yr (2 years). Minimal invasive cardiac surgery: Is it safe for the brain? 2005-2007

Carlen P, El-Beheiry H, Del Camp M, Shanon P. Juvenile Diabetes Research

Foundation (USA). \$163,810US. Hypoglycemic seizures: mechanisms and role in hypoglycemic brain damage. 2005.

Chastain D, Hart G, McGrath PA, Carr D. The National Institutes of Health (NIH). \$290,000US. Pediatric Conscious Sedation Device. 2004-2005

Choiniere M, Collet JP, Peng P, Lefort S, Clark A, Lynch M, Boulanger A, Dion D, Shir Y, Ware M, Guertin MC, Gordon A, Guerriere D, Moulin D, Intrater H, Banner R, Taenzer P, Barton P, Rashiq S, Ong-Lam M. Canadian Institutes of Health Research (CIHR). \$212,500. Improving Chronic Pain Management in Canada – The STOP-PAIN Project. Phase I: Assessment of Chronic pain burden and management 2004 (last 6 months)

Chung F. Physicians' Services Incorporated Foundation (PSI). \$80,000. Elimination of preoperative testing in low-risk day surgery. 2004-2005

Cox P (Co-Investigator). Canadian Institutes of Health Research (CIHR). \$166,500. Optimization of Exogenous Lung Surfactant. 2003-2006

Djaiani G. Dean's Fund. \$2,000/y (5 years). The impact of specific gene polymorphism on neurocognitive decline after cardiac surgery. 2002-2007

Gagliese L, Katz J, Snijdelaa D, Chan V. Canadian Institutes of Health Research Clinical Trial. (CIHR) - \$108,515/yr (3 years). Effects of NMDA-receptor antagonism on postoperative opioid use, pain, hyperalgesia and recovery after major surgery in young and elderly patients. 2002-2006

Gagliese L. University of Toronto Faculty of Medicine Dean's Research Fund. \$2,446/yr (4 years). An evidence-based approach to the measurement of postoperative pain across the adult life span: Developing age-appropriate instruments to measure pain. 2001-2005

Gagliese L, Rodin G, Moore M, Shepherd F. Canadian Institutes of Health Research (CIHR). \$109,979/yr (3 years). Age differences in cancer pain. 2003-2006

Gagliese L, Snijdelaar D, Chan V, Katz J, Koren G. Canadian Institutes of Health Research – Clinical Trial. (CIHR). \$106,313/yr (4 years). Effects of NMDA-receptor antagonism on hyperalgesia, opieod use and pain after major surgery in young and elderly patients. 2002-2006

Hare G. Bristol-Myers Squibb-CAS Career Scientist Award in Anesthesia and Peri-operative Medicine. \$270,000/3yrs Mechanisms of cerebral protection and injury during acute hemodilutional anemia. 2005-2008

Hare G. Physicians' Services Incorporated Foundation (PSI). \$146,000/2yrs. Anemia induced cerebral hypoxic gene expression. 2004-2006

Hare G. (Site Co-investigator). Canadian Institutes of Health Research (CIHR). \$53,087/yr. Blood Conservation Using Antifibrinolytics: A Randomized Trial in a Cardiac Surgery Population – the BART Study. 2002-2005

Hare G (Co-Investigator). Heart and Stroke Foundation of Canada. \$75,868/2 yrs. Prolonging action potential duration and preventing cell injury in cardiac arrest. 2003-2005

Hawker GA, Gagliese L. Canadian Institutes of Health Research – New Emerging Team. (CIHR) \$295,354 (Year 1) \$1,495,170 (4 years total). Determinants and consequences of pain and fatigue in osteoarthritis using a biopsychosocial approach. 2004-2008

Joo H, Naik VN, Yee B, Joo HS, Savoldelli GL, Chung DY, Hamstra SJ. Canadian Anesthesiologists' Society Research Award (CAS). \$30,000/yr. Behavioral Performance in Anesthesia Crisis Resource Management with Repeated Exposure to High Fidelity Patient Simulation. 2004-2005

Joo H, Naik VN, Joo HS, Houston PL, Yee B, Savoldelli GL, Hamstra SJ. Dean's Excellence Fund for Medical Education. \$37,400/yr. The Effect of Extraoperative Bench Model Fidelity on Training Fiberoptic Orotracheal Intubation Skills for Intraoperative Performance. 2004-2006

Joo H, Naik VN, Savoldelli GL, Yee B, Joo HS, Houston PL, Hamstra SJ. Physicians' Services Incorporated Foundation (PSI). \$25,000/yr. The Evaluation of Patient Simulator Performance as an Adjunct to the Oral Exam for Senior Anesthesia Residents. 2004-2005

Karkouti K, Wijesundera DN. Canadian Anesthesia Research Foundation. \$30,000. The RICH study: Renal insufficiency in cardiac surgery: The role of hemodilution. 2004-2005

Karkouti K. 2004 Dr. Earl Wynands Research Award in Cardiovascular Anesthesia. \$30,000. 2004-2005

Karkouti K. Canadian Institutes of Health Research / CBS New Investigator Award. (CIHR) \$50,000/yr (5 years). 2002-2007

Karkouti K et al. Canadian Institutes of Health Research (CIHR). \$82,000. Development and validation of a clinical prediction rule for massive blood loss in cardiac surgery. 2005-2006

Karkouti K. et al. Canadian Blood Services. \$18,000. Development and validation of a clinical prediction rule for massive blood loss in cardiac surgery. 2005-2006

Karkouti K. Anemia Institute. \$30,000. Comparison of three management strategies for post cardiac surgery coagulopathy. 2005-2006

Katz J. Canadian Institutes of Health Research.- Canada Research Chairs- Tier I. CRC in Health Psychology at York University. \$200,000/yr (5 years) 2002-2009

Kavanagh B. Canadian Institutes of Health Research (CIHR). \$260,000. Preclinical Assessment of Therapeutic Hypercapnia. 2001-2004.

Kavanagh B. (Co-Investigator). Canadian Foundation for Innovation (CFI). \$4,900,00. Critical Care Unit for Research Excellence CCURE. 2002-2007

Kavanagh B. Ontario Ministry for Energy, Science and Technology. \$150,000. Premier's Research Excellence Award (PREA). 2001-2006

Kavanagh B. Canadian Institutes of Health Research (CIHR). \$250,000. Therapeutic Hypercapnia. 2002-2007

Kavanagh B. (Co-Investigator). NSERC. \$111,800. Investigation of communication modalities for paediatric patients during transient voicelessness through augmented environments. 2003-2006

Kavanagh B. (Co-Investigator). National Institutes of Health (NIH). \$313,000. Neural Control of Mechanical Ventilation in the Preterm. 2003-2006.

Kavanagh B. Canadian Institutes of Health (CIHR). \$585,845. Therapeutic Hypercapnia. 2004-2009

Loke J et al. Canadian Institutes of Health Research POP Grant. (CIHR). \$50,000/yr (2 years). Diagnostic genetic testing for malignant hyperthermia and central core disease. 2004-2006.

Lu W-Y. Canadian Institutes of Health Research (CIHR). \$114,149/yr. Acetylcholinesterase in Brain Aging. 2005-2008

Lu W-Y. NARSAD (National Alliance of Research for Schizophrenia and Depression, USA). 30,000USD. 2 years

Mak PHK. University of Toronto, Faculty of Medicine Dean's Fund. \$10,000. Peri-operative Anesthetic Induced Autonomic Dysfunction in Young and Elderly Patients. December 2004.

Matthew A, Ritvo P, Irvine J, Trachtenberg J, Jewett M, Fleshner N, Radomski S, Tsihlias B, Shaw B, Katz J. Canadian Institutes of Health Research (CIHR). \$39,683/yr (3 years). Sexual Dysfunction and adaptation in couples affected by prostate cancer surgery : Steps towards biopsychosocial model of treatment. 2005-2008

Mazer CD (Co-Investigator). Canadian Institutes of Health Research (CIHR). \$22,950/yr. A Randomized Trial of a Lung-Open Ventilation Strategy (LOVS) in Acute Lung Injury. 2000-2006

Mazer CD (Co-investigator). Canadian Institutes of Health Research (CIHR). \$53,087/yr. Blood Conservation Using Antifibrinolytics: A Randomized Trial in a Cardiac Surgery Population – the BART Study. 2002-2005

Mazer CD. Physicians' Services Incorporated Foundation (PSI).\$83,708. Does Recombinant Factor VIIa Affect Vascular Graft Patency? 2004-2005

Mazer CD (Co-Investigator). Canadian Institutes of Health Research (CIHR). \$77,900/yr. Does Nutrient Supplementation Influence Cardiac Function, Structure and Survival by Altering Energy Metabolism? 2005-2007

McGrath PA, Davis K, Katz J, Brown SC, Geist R, Van den Kerkhoff E. Canadian Institutes of Health Research – New Emerging Team Initiative. (CIHR). \$1,500,000. Gender Differences in Child Development: Vulnerability to Chronic Pain. 2003-2008

Morgan PJ, Pittini R, Marrs C, Van der Vyver M. Canadian Anesthesiologists' Society (CAS) - Dr. RA Gordon Clinical Research Award. \$20,000.00 Maximizing Patient Safety: High-Fidelity Simulation for Obstetrical Emergencies. 2004.

Morgan PJ, Cleave-Hogg D, Devitt JH, Herold-McIlroy J, Law JA, Tarshis J. Canadian Institutes of Health Research (CIHR). \$160,571.00. The effects of a simulator educational experience on the incidence and nature of human error during the anesthetic management of routine and critical events in a high-fidelity patient simulator. 2003.

Naik VN, Savoldelli GL, Park J, Joo HS, Chow R, Hamstra SJ. Dean's Fund. \$10,000. The Effect of Videotape Feedback on Anesthesia Trainees' Performance during Simulation-based Education. 2004-2005

Orser B. Canada Research Chair in Anesthesia, Tier 2. \$100,000/yr. Anesthetic Drugs from Molecular Mechanisms to Patient Safety. 2003-2008.

Orser B. Canadian Institutes of Health Research (CIHR). \$128,160/pa. Synaptic and extrasynaptic GABA_A receptors: Distinct physiological and therapeutic roles.

Orser B. Premier's Excellence Research Award, Ontario Ministry of Health. \$100,000. The molecular identity and function of tonic GABA-A receptors: A novel target for anaesthetics, antioleptics and anticonvulsant drugs. 2001-2006

Orser B. Career Scientist Award, Ontario Ministry of Health. \$295,625. Molecular mechanisms of general anesthetics. 2000-2005.

Orser B. (Co-Investigator) Canadian Institutes of Health Research (CIHR). \$65,247/yr. A multi-institutional evaluation of a checklist intervention to structure communication and promote patient safety in the operating room. 2004-2010

Orser B. (Co-Investigator) Connaught Fund: Cluster Seed Fund. \$150,000. Dynamic nanophysiology of membrane proteins. 2002-2005.

Peng P, Pronovost A, Kern R. Physicians' Services Incorporated Foundation (PSI). \$5,500. Telemedicine and chronic pain consultation – a cost analysis. 2005

Ritvo P, Del Giudice LM, Ferris LE, Katz JD, Klar N, Paszat L, Rabeneck L, Upshur RE, Weitzman EA. Canadian Institutes of Health Research (CIHR). \$80,000 (2.5 years). Addressing gender differences in colorectal cancer screening. 2005-2008

Rodin G, Donner A, Gagliese L, Huggins MA, Jones J, Moore M, Shepherd F. Canadian Institutes of Health Research (CIHR). \$78,515/yr (3 years). A prospective study of the will to live and the desire for death in patients with lung and pancreatic cancer. 2003-2006

Rodin G, Hales S, Gagliese L, Zimmermann C. Canadian Institutes of Health Research (CIHR). \$101,860 /yr (5 years). The quality of death in metastatic cancer and its relationship to antecedent factors and primary caregiver morbidity. 2005-2010

Salter MW, Bushnell C, Choiniere M, Coderre T, Collet JP, Davis K, De Koninck Y, Dostrovsky J, Henry JL, Katz J, Lavigne G, Mogil JS, Ribeiro-da-Silva A, Seguela P, Sessle B, Stevens B, Wilson-Pauwels L. Canadian Institutes of Health Research – Training Grants Program (CIHR). \$336,240/yr (5 years). Pain Research from Molecules to Community - Collaborative National Training Program. 2002-2007

Stevens BJ, Asztalos, EV, Gibbins, SA, Katz JD, McKeever, PD, Pillai Riddell, RRE. Canadian Institutes of Health Research (CIHR) 1st Year \$41,674, 2nd Year \$50,000, 3rd Year \$50,000. Understanding chronic pain in infancy. 2005-2008

Taddio A, Katz J, Beyene A, Ohlsson V, Shah B, Stevens. Canadian Institutes of Health Research – Clinical Trial (CIHR). \$150,182/yr (3 years). Effectiveness of sucrose analgesia in reducing pain responses in infants born to diabetic and non-diabetic mothers: a randomized controlled trial. 2003-2006

Wijeyesundera DN, Beattie WS, Karkouti K, McCluskey SA, Rubin B, Ivanov J. Canadian Anesthesia Research Foundation. \$30,000. The EPIC (Evaluating Periodic Ischemia reduction by Clonidine) Study: A randomized, double-blinded trial of clonidine for reducing cardiac morbidity and mortality following non-cardiac surgery. 2005 – 2006

Wijeyesundera DN. Canadian Institutes for Health Research Fellowship (CIHR). \$55,000/yr (2 years). 2004-2006

Wijeyesundera DN. Canadian Institutes of Health Research (CIHR). Clinician Scientist Award – Phase 1. \$172,500. Fellowship and Salary Award. 2005 – 2008.

Wolfson C, Kirklan S, Raina P, Gagliese L. Canadian Institutes of Health Research (CIHR). \$872,000/yr (2 years). Canadian longitudinal study on aging. 2004-2006

Wong J. Physicians' Services Incorporated Foundation (PSI). \$38,000. Tranexamic acid for major spine surgery. 2005

Yang H. Beattie WS. Canadian Institutes of Health Research. (CIHR). \$1,200,000/yr (5 years) (Multi-Center Study). POISE, Peri-Operative Ischemic Evaluation Study. 2002-2007

Zhang H. Canadian Institutes of Health Research (CIHR). \$553,615. Human neutrophil peptides in lung inflammation. 2004-2009

Zhang H. Ontario Thoracic Society (OTS) Research-in-Aid Grant. \$35,000. Targeting ICAM-1/LFA-1 interaction for controlling LPS-induced lung parenchymal-immune cell crosstalk. 2004-2005

Zhang H. Canadian Institutes of Health Research (CIHR)/Canadian Lung Association/Glaxo-SmithKline Fellowship Award to support Aye Aye Khine. \$45,000. 2004-2005

Zhang H. Canadian Cystic Fibrosis Foundation Studentship to support graduate student Stefanos Voglis. \$18,000. 2004-2005

NON PEER REVIEWED GRANTS

Chung F, Friedman Z. GlaxoSmithKline. \$80,000 Multicenter, Randomized, Double-blind, Placebo-controlled, Dose-ranging, Parallel Group Phase II Study to Evaluate the Safety, Efficacy, and Pharmacokinetics of the Oral Neurokinin-1 Receptor Antagonist, GW679769, When Administered with Intravenous Ondansetron Hydrochloride for the Prevention of Post-operative Nausea and Vomiting (PONV) and Post-discharge Nausea and Vomiting (PDNV) in Female Subjects with Known Risk Factors for PONV Who are Undergoing Surgical Procedures Associated with an Increased Emetogenic Risk. 2004-2005

Fisher J. United States Marine Corps Systems Command. \$240,000US. Development of portable O₂ concentrator for battlefield use. November 2004

Fisher J. United States Army. \$500,000US. Battlefield respiration and ventilation assistance for biohazard-contaminated field conditions. (First Phase of 5 Year) November 2005

Fisher J. United States Congress 5-year Grant. \$6,000,000US. Battlefield respiration and ventilation assistance for biohazard-contaminated field conditions. 2005

Fisher J. United States Marine Corps Systems Command. \$1,000,000US. Testing for highly mobile oxygen supplementation system and investigation of feasibility of integrating with battlefield ventilation device 2005

Karkouti K. Novo-Nordisk. \$130,000. Development and validation of a prediction rule for massive blood loss. 2004-2005

Loke J. Educational Grant – Halton Healthcare Services 2005. \$250. 2005

Mazer CD. Hemosol, Inc. \$106,000. The Effect of Different Preparations of HBOCs on Blood Pressure. 2003-2005

Orser B. Merck Sharp Dohme Ltd. \$40,000. GABA_A receptors containing the $\alpha 5$ subunit are plausible targets for the development of cognitive-enhancing drugs.