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The Vision and Mission of the Department of Anesthesia & Perioperative Medicine, London Health Sciences Centre and St. Joseph’s Health Care London, University of Western Ontario is to be an internationally acclaimed academic department in anesthesia, pain management and critical care. We strive to provide exemplary patient care and foster excellence in anesthesia delivery, research, and education at the undergraduate and postgraduate levels, and in continuing medical education at regional, national, and international levels.

The Department of Anesthesia & Perioperative Medicine (Department) of the Schulich School of Medicine & Dentistry, The University of Western Ontario consists of 75 departmental faculty members who practice at the teaching hospital sites of the London Health Sciences Centre (University Hospital and Victoria Hospital) and St. Joseph’s Health Care London. The Department provides clinical support to 40-42 operating rooms/day at both London Health Sciences Centre (University and Victoria Hospitals), and St. Joseph’s Health Care London. We also provide a spectrum of medical care from conducting preoperative anesthesia assessment to performing the most advanced life-supporting techniques in all perioperative settings such as ambulatory surgery, subspecialty surgery, obstetrics, pediatric care, out-of-OR interventional procedures, acute and chronic pain management, blood conservation management, postanesthetic care unit, cardiac surgery recovery unit and intensive care units. In particular, the CSTAR (Canadian Surgical Technologies & Advanced Robotics) research and training centre at the London Health Sciences Centre, The University of Western Ontario, is a national centre of excellence for advanced surgical training and research in minimally invasive surgical procedures such as cardiac, thoracic, urological, general and fetal surgery. This provides an excellent training facility and program for anesthesia in the management of the latest and most advanced minimally invasive surgery.
The Department provides teaching and training to undergraduate and postgraduate trainees in anesthesia and allied health care fields both at The University of Western Ontario and Out-Reach Community Program. The Department is well known for its clinical and research excellence in cardiac anesthesia, evidence-based medicine, neuroanesthesia, transplantation, critical care, perioperative blood management, and pain medicine. The Department has been attracting clinical/research fellows and visiting scholars from around the world (Australia, New Zealand, UK, USA, Germany, Singapore, Korea, China, Colombia, Saudi Arabia, India) for training in anesthesia and perioperative medicine, as well as critical care medicine.

**RECRUITMENT & RETENTION**

The anesthesia human resource issue in our teaching hospitals is now much improved to meet the rising demand of OR and non-OR anesthesia services, as well as the provincial wait list access pressure. The Department continues its target recruitment and retention policy, working together with London Health Sciences Centre/St. Joseph’s Health Care, The University of Western Ontario and the Ontario Ministry of Health and Long-Term Care to improve job satisfaction. Resource initiatives such as a citywide Anesthesia Academic Practice Plan, AFP Phase 3, HOCC, Academic IMG and Fellowship Program, Anesthesia Care Team Program, and restructuring transition support from institutions continue to be developed. The Department has been very successful in recruiting and retaining our own graduating residents with significant contributions to the academic mandates in their career development.

Six new faculty members joined the Department during this academic year.

**Mohamad Ahmad, BSc MSc MD FRCPC**

Dr. Ahmad has worked at Hamilton Health Sciences since 2002. He has participated on a number of Department committees while working in Hamilton, is a keen teacher and has an interest in pediatric anesthesia. Dr. Ahmad completed an MSc in neuroscience at the University of Calgary in 1993 and then came to The University of Western Ontario where he attained his MD. His residency was completed at McMaster University. Dr. Ahmad’s area of academic focus is in pediatric anesthesia and education.
Alexander Briskin, MD
Dr. Alexander Briskin has completed a two year Fellowship in the Department of Anesthesia and Critical Care Medicine at Sunnybrook Health Sciences Centre in Toronto, Ontario. He has been teaching in a clinical setting for several years. He will be working three days per week in London at St. Joseph's Health Care from mid July until the end of August, and then he will begin working full time at Hôtel-Dieu Grace Hospital in Windsor, Ontario. Dr. Briskin is an International Medical Graduate and will be focusing in the education program in Windsor. He attended the Hebrew University Medical School in Jerusalem, Israel and completed his residency training at Shaare Zedek Medical Center, Jerusalem, Israel. He has successfully written the Israeli National Board Examination in Anesthesiology exams and is an ACLS instructor.

Michelle Gros, MSc MD FRCPC
Dr. Michelle Gros has completed her Anesthesia Residency in our Department and successfully completed the fellowship exams, attaining her FRCPC designation in June 2007. Dr. Gros completed an MSc in Pharmacology at The University of Western Ontario, prior to entering Medical School at the University of Toronto. She returned to The University of Western Ontario for her Residency. Dr. Gros’s area of academic focus is in obstetric anesthesia research.

Bobbi Jo Morrell, MD FRCPC
Dr. Bobbi Jo Morrell completed her Anesthesia Residency in our Department, and has successfully completed the fellowship exams, attaining her FRCPC designation in June 2007. She completed her MD at the University of Edmonton. Academically, she is focused in educational administration, quality assurance and clinical teaching. Clinically, she is interested in vascular and thoracic anesthesia.

Maxim Rachinsky, MD
Dr. Maxim Rachinsky has completed two years of Fellowship training in cardiac and regional anesthesia in our Department, and began working at St. Joseph’s Health Care in July 2007, focusing on regional anesthesia. He is an International Medical Graduate, who earned his MD in 1988 at Leningrad State Medical Institute at the St. Petersburg State Medical Academy, Russia. His residency training was completed at Soroka Medical Center in Beersheba, Israel. He has passed the Israeli National Board Examination in Anesthesiology exams and in January 2005, Dr. Rachinsky completed his Medical Council Evaluation Examination in Canada. Dr. Rachinsky’s area of focus is in regional anesthesia and teaching in a clinical setting.
Kevin Teague, MD FRCPC
Dr. Kevin Teague has completed his Anesthesia Residency in our Department, and has also successfully completed the fellowship exams and attained his FRCPC designation in June 2007. He completed his MD at the University of Calgary, after completing one year of a two year Masters of Education program. His area of academic focus is trauma anesthesia education and teaching in the clinical setting.

An additional three future recruits are planned for the 2008/2009 academic year. They are:

Arif Al-Areibi, MSc MD FRCPC
Dr. Arif Al-Areibi completed his residency in our Department and successfully passed the Royal College exams, attaining his FRCPC designation in June 2008. He completed his medial degree and training in Libya, and later attained a Masters of Science in Physiology at the University of Garyounis in Libya. Dr. Al-Areibi’s area of academic focus is in teaching.

Dr. Ronit Lavi, MD
Dr. Ronit Lavi will be joining our Department on August 1, 2008. Dr. Lavi completed her medical training at the Rappaport Faculty of Medicine, and her residency in the Anesthesia Department at Rambam Medical Center, both in Haifa, Israel. Following her training, she completed a Research Fellowship in the Division of Nephrology and Hypertension at the Mayo Clinic College of Medicine, Rochester, MN from January 2006 to June 2007. For the past year, she has been a Clinical Fellow in Cardiac Anesthesia and Intensive Care at Toronto General Hospital. Dr. Lavi’s area of focus is in cardiac anesthesia and outcome research, particularly in renal physiology and medical imaging.

Dr. Luminita Tureanu, MD FRCPC
Dr. Luminita Tureanu has been a Clinical Fellow in our Department for the past 12 months, working at both University Hospital and St. Joseph’s Health Care London in the subspecialty of Regional Anesthesia and Pain Medicine under Dr. Su Ganapathy. She completed her medical degree, internship and residency in Romania in the specialization of Obstetrics & Gynecology. Later in 2002, she began an anesthesiology residency in Chicago at the John H Stroger Jr. Hospital, and following that, completed a Fellowship in Pain Medicine at the same hospital. Dr. Luminita’s area of research interest is in regional anesthesia and chronic pain practice.
FELLOWSHIP

The Fellowship Program as directed by Dr. Daniel Bainbridge, includes a broad scope of academic programs, excellent clinical exposure, and teachers and mentors in research. As of June 2008 the program includes ten fellows (cardiac anesthesia, neuroanesthesia, regional anesthesia and pain, transplantation, and obstetrical anesthesia).

ADMINISTRATIVE FUNCTIONS

The Department faculty continues to play an important role in administrative functions outside the Department. Dr. Ian Herrick continues as Chief of Staff and Chair of the Medical Advisory Committee of London Health Sciences Centre; Dr. John Fuller as Medical Director of Perioperative Care, St. Joseph’s Health Care and a member of the RCPSC Council; Dr. Bill Sischek as the Chair of London Health Sciences Centre Credential Committee; Dr. Ron Butler as Site Chief of ICU, London Health Sciences Centre University Hospital, and Associate Director of the Cardiac Surgery Recovery Unit, London Health Sciences Centre; Dr. Michael Sharpe as the critical care advisor at Southwestern Local Health Integrated Network (LHIN); Dr. Neal Badner as Chair of the Research Committee of the Canadian Anesthesiologists’ Society. Dr. Sal Spadafora has been appointed as a Corresponding Member (General) of the Anesthesia Examination Board of the RCPSC for a two year renewable term. He is also being appointed as the Associate Dean of Postgraduate Education in the Schulich School of Medicine, The University of Western Ontario. Dr. James Watson is an anesthesia representative for the Respiratory Therapist Program at Fanshawe College, (London, Ontario) and along with Dr. James Watson and Dr. Fiona Ralley, is a member of the Program Advisory Committee for the Anesthesia Assistant Program. Dr. Davy Cheng continues his active advisory roles to the hospitals, The University of Western Ontario, Local Health Integrated Network, Ontario Ministry of Health and Long-Term Care, and National and International Anesthesia Societies.

ANESTHESIA ACADEMIC PRACTICE PLAN

On May 1, 2005, the Department established a citywide Anesthesia Academic Practice Plan (AAPP), which continues to provide a stable and competitive environment for recruitment/retention to academic anesthesia practice at London Health Sciences Centre/St. Joseph’s Health Care, The University of Western Ontario.
The AAPP has provided a fair, transparent and rewarding anesthesia practice in the advancement of the clinical and academic deliverables in the Department. The Department is working with the Academic Medical Organization of Southwestern Ontario (AMOSO) toward a comprehensive Academic Health Sciences Centre Alternative Funding Plan in 2008.

CLINICAL

The citywide Department has numerous areas of strong clinical activities including transplantation, vascular and thoracic anesthesia, acute pain and regional anesthesia, chronic pain, critical care, obstetric anesthesia, pediatric anesthesia, among others in addition to the well known programs of robotic surgery, neuroanesthesia, cardiac anesthesia, and perioperative blood conservation. These focused clinical programs continue to develop and expand within the city.

EDUCATION

The Post Graduate Education Program under the Directorship of Dr. Sal Spadafora and Associate Directorship of Dr. Sandra Katsiris continues to thrive and grow, with 47 Anesthesia Residents and 34 off-service Residents hosted from other residency training programs. Residents achieve continued success at the Royal College examinations. The program offers general and subspecialty rotations (chronic pain, cardiac, neuro, ambulatory, regional, obstetric, thoracic, vascular, pediatric, and preadmission clinic). New rotations in Airway Management and Acute Pain and the Cardiac Surgery Recovery Unit are being implemented while rotations throughout Southwestern Ontario (SWOMEN) are being offered to residents. Our Continuing Medical Education Program under the leadership of Dr. Mary Lampe features invited professorships from top academic institutions to our Department.
RESEARCH

The Department is committed to enhancing academic productivity and academic resources including protected time and clinical access to research cases. The Department is ranked among the top in peer-reviewed publications in academic anesthesia departments in Canada. The investigators have been successful in peer-review research grants and contract grants annually. The Department continues to build on the strengths of several outstanding academic programs: Cardiac Anesthesia and Cardiac Surgery Recovery Unit; Critical Care Medicine; Neuroanesthesia; Regional Anesthesia and Pain Program; the Evidence-based Perioperative Clinical Outcomes Program (EPiCOR); the Perioperative Blood Conservation Program; and the Critical Event Simulator Program. New academic programs are being developed such as the Clinical Pharmacology, Coagulations, and Thoracic/Vascular Programs. Recruitment is targeted at individuals with demonstrated academic and research productivity. The expansion of the Fellowship Program has also resulted in increased academic productivity. Residents play an active role in research and presentations (poster and oral) at the Resident Research Day held jointly each year with the Anesthesia Program at McMaster University. This year’s Canadian Anesthesiologists’ Society Annual Meeting was also well represented by our Residents and Faculty.
### Anesthesia Procedures at London Teaching Hospitals

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Herrick, Ian
University Hospital
Associate Professor

Hinds, Llynda
St. Joseph’s Health Care
Adjunct Professor

Hoogstra, Jason
Victoria Hospital
Assistant Professor

Iglesias, Ivan
University Hospital
Assistant Professor

Imasogie, Ngozi
St. Joseph’s Health Care
Assistant Professor

Jones, Philip
University Hospital
Assistant Professor

Katsiriris, Sandra
Victoria Hospital
Associate Professor

Kutt, Judith
University Hospital
Associate Professor

Lampe, Mary
University Hospital
Associate Professor

Lindsay, Peter
Victoria Hospital
Assistant Professor

Lobb, Trevor
Victoria Hospital
Associate Professor

McCabe, Greg
Victoria Hospital
Assistant Professor

McConachie, Ian
St. Joseph’s Health Care
Associate Professor

McKishnie, Jamie
St. Joseph’s Health Care
Assistant Professor

McNamara, Jeffery
Victoria Hospital
Assistant Professor

Mezon, Bernie
University Hospital
Associate Professor

Millman, Logan
St. Joseph’s Health Care
Adjunct Professor

Morley-Forster, Pat
St. Joseph’s Health Care
Associate Professor

Morrell, Bobbi Jo
Victoria Hospital
Assistant Professor

Murkin, John
University Hospital
Professor
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</table>
Watson, James  
St. Joseph’s Health Care  
Associate Professor

Wexler, Ron  
St. Joseph’s Health Care  
Associate Professor

PROFESSORS EMERITUS  
Bain, J A  
Gelb, A W  
Hersey, L W  
Muir, J M  
Nielsen, J S  
Russell, E S  
Sellery, G R  
Varkey, G P

ADJUNCT PROFESSORS - RURAL REGIONAL  
St. Thomas-Elgin General Hospital  
Bidinot, H  
McNeill, B  
Soderman, M  
Warnock, T F

ADJUNCT PROFESSORS - WINDSOR  
Alsaden, M  
Anand, S  
DaSilva, S  
De Dios, O  
Doerksen, D  
Gnanendren, K  
Liolli, A  
Roberts, A  
Smith, J  
Taylor, W
# Clinical/Research Fellows and Residents

## Fellows

<table>
<thead>
<tr>
<th>Name</th>
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<tr>
<td>Alghamdi, Abdulaziz</td>
<td>Cardiac</td>
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<td>Transplant</td>
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<td>Cardiac/Research</td>
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<td>Cardiac/Neuro</td>
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<td>England</td>
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<td>Mykytuik, Patricia</td>
<td>Regional</td>
<td>Winnipeg, Canada</td>
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<td>Pal, Nirvik</td>
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<td>Sinha, Prabhat</td>
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<td>Regional</td>
<td>Chicago, USA</td>
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<td>Youssef, Hesham</td>
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RESIDENTS

PGY5
Al-Areibi, Arif
Al-Solu, Hani
Bellingham, Geoff
Brooks, Chris
Dashti, Abdullah
Dlacic, Alexsandra
Gilchrist, Andrew
Ligori, Tania
Katyal, Parul
Luk, Ken
Nguyen, Quoc
Proctor, Andrea
Schwartz, Robert

PGY4
Al-Turkistany, Hanan
Evans, George
Fraser, Lou
Hannouche, Fadi
Lewis, Mark
Mack, Meter
Tran, Diem

PGY3
Antoniou, Andreas
Bruni, Ida
Clarke, Colin
Dowe, Ruth
Ezer, Darren
Fantillo, Vanessa
Kolesnichenko, Patricia
Lu, Annie
Marmai, Kristine
Masood, Amna
Min, Frank
Stothart, Danielle

PGY2
Constantinescu, Corina
Goure, Camille
Khalil, Raghad
Maxwell, Tim
Ryan, Kenneth
Smitherman, Amanda
Tam, Dorothy
Tufman, Amanda

PGY1
Ashcroft, Rebecca
Borger, Jonathan
Kathirgamanathan, Kala
Kruger, Phil
McKeown, Kevin
Miron, Cristiana
Quach, Thomas
Rassouli, Ali
Wakely, Laura
ST. JOSEPH’S HEALTH CARE LONDON

St. Joseph’s Health Care London is a major teaching facility within The University of Western Ontario, Department of Anesthesiology and Perioperative Medicine. St. Joseph’s Health Care acts as the Tertiary Care Obstetrical Level III Centre performing about 4,800 deliveries per year.

The surgical focus is on the Hand and Upper Limb Centre, Endourology, Ophthalmology, and ENT as well as General Surgery, Gynecology, Plastic Surgery and care of dental patients. A focus on Robotic Surgery has been developed. Approximately 20,000 surgical cases are performed each year. The major areas of subspecialty training are regional anesthesia and obstetrics with chronic pain management offered through the Earl Russell Multidisciplinary Pain Centre. Dr. John Fuller succeeded Dr. James Watson as Site Chief. Dr. Ian McConachie is serving as his primary alternate.

The Anesthesia Care Team project was initiated this year. Four Anesthesia Assistants were trained and entered practice at St. Joseph’s Health Care. Their work enhances the efficiency of the department, especially in the provision of care in the Cataract suite. Further developments of this program are targeted to the main operating room and enhancement of Perioperative Care.

The ten new operating rooms, cataract facilities, pre-admission, PACU and diagnostic centre are complete and the clinical services have settled into them. The new facilities began operation in early 2006. This new facility provides St. Joseph’s Health Care and the City of London with a modern, well-equipped work environment to complement the extensive redevelopment of medical facilities that continues at The University of Western Ontario.
St. Joseph’s Health Centre provides Fellowships in Obstetrical Anesthesia and Regional Anesthesia. The volume of high-risk obstetrical patients and hand and upper limb patients provide a very fertile learning and research ground in these areas of subspecialty care. The new ambulatory surgi-centre is a major portion of the restructuring effort and will provide a firm foundation for future study and care of ambulatory patients.

Internal reconstruction of a substantial portion of the older building is underway, to modernize facilities for the majority of clinical services at St. Joseph’s Health Care.

UNIVERSITY HOSPITAL

This has been another excellent year for the University Hospital site. Clinical excellence remains a priority, and this year we have been able to maintain high quality clinical care, as well as make significant and ongoing contributions to research and education. We have met the clinical demands of a busy Academic Health Sciences Centre thanks to sustained levels of manpower throughout the year. We have provided increased levels of clinical service to 15 operating rooms, including: cardiac surgery, neurosurgery, general surgery, orthopedics, sports medicine, plastic surgery, urology and ear, nose and throat. Furthermore, we have provided support for diagnostic and therapeutic procedures in the electrophysiology laboratory, neuro-radiology, cardiac angiography and percutaneous cardiac interventions, as well as continued our clinical activity in the preadmission clinic and acute pain service. We provide 24 hour coverage for liver transplantation.

This year has seen the introduction of Anesthesia Assistants at University Hospital. We have become involved in a local pilot of supervising anesthesia assistants in the Endoscopy suite, and have been able to use the Anesthesia Assistants in the daily assignments to help in the provision of anesthesia and sedation in the electrophysiology lab, the radiology suite and the operating rooms, particularly the arthroplasty rooms.

Many individuals have had exceptional academic and administrative achievements this year:

Special mention goes to Dr. John Murkin who was awarded a most prestigious Research Recognition award by the Canadian Anesthesiologists’ Society. Furthermore, he was appointed to the Protocol Review Committee of the National…
Heart and Lung and Blood Institute, under the auspices of the National Institutes of Health.

Dr. Ian Herrick has been exceptionally effective as chairman of the Medical Advisory Committee, and was selected as the recipient for the 2007-2008 Medical Advisory Committee Award. Persons who are nominated for this award have consistently demonstrated qualities of leadership and made outstanding contributions to the success of initiatives aligning with the strategic direction of London Health Sciences Centre.

As of July 1, 2008, Dr. Sal Spadafora will be appointed as the Associate Dean, Postgraduate Medical Education, and will relocate to The University of Western Ontario. Dr. Jeff Granton will take over as Program Director following Dr. Spadafora’s appointment at The University of Western Ontario.

Dr. Davy Cheng was the first anesthesiologist elected and inducted into the Fellowship of the Canadian Academy of Health Sciences. This was in recognition of his leadership, creativity, distinctive competencies and commitment to advance academic health sciences.

Congratulations and good luck to all!

Dr. Wojciech Dobkowski relinquished his position as Site Chief at University Hospital after more than four years of dedicated service. His commitment and passion for his site have made a big impact on all who have been honoured to work under his leadership. His shoes will be difficult to fill.

Academic programs at the University Hospital Site include:

**Cardiac Anesthesia**
Dr. Daniel Bainbridge, Dr. Wojciech Dobkowski

This program continues to be a very active academic program, with national and international acclaim. Dr. Murkin has continued to organize his highly successful Outcomes meeting, and the Winter Cardiac Team meeting. Both of these meetings were well attended, and of a very high standard. Dr. Ravi Taneja has been instrumental in the design and implementation of a TEE and Cardiac Anesthesia database which promises to be a very useful resource.
**Perioperative Transesophageal Echocardiography (TEE)**
Dr. Daniel Bainbridge, Dr. Ivan Iglesias

Dr. Bainbridge and Dr. Iglesias continue to lead this program, and we are fortunate to have several consultants who support the cardiac surgery and cardiac anesthesia programs with their expertise and knowledge of TEE. Teaching has been expanded to include dedicated teaching for residents, largely due to the efforts of Dr. Ivan Iglesias, and other committed faculty members.

**Neuroanesthesia**
Dr. Rosemary Craen

Dr. Craen continues to lead this group with the strong support of Dr. Miguel Arango. The neuroanesthesia fellowship is a sought after fellowship and attracts high caliber candidates from far and wide.

**Liver Transplantation**
Dr. Wojciech Dobkowski

The number of liver transplants performed increased somewhat this year, and we look forward to having two fellows join the group this coming year.

**Acute Pain and Regional Anesthesia**
Dr. Kevin Armstrong, Dr. Rakesh Bhandari

The Acute Pain Service has established itself as a core service at University Hospital. Continuity of care and evidence-based acute pain management are cornerstones of this practice, and along with Cindy Carnegie, RN, this group provides an invaluable service. Dr. Ganapathy is very involved in the instruction of the fellows in regional anesthesia, and is responsible for overseeing the academic activity of the group.

**Medical Informatics**
Dr. Steven Dain

Dr. Dain remains very much involved in the international medical standards community, and is an active participant in this domain.
**Undergraduate Education**  
Dr. Tony Vannelli, Dr. Ivan Iglesias

Dr. Vannelli, as the citywide undergraduate coordinator and Dr. Iglesias as University Hospital site coordinator for undergraduate education have once again made a big contribution to undergraduate education.

**Anesthesia Rounds**  
Dr. Achal Dhir

Dr. Dhir has facilitated high quality rounds with excellent and diverse contributions from invited speakers, local experts, residents, fellows and faculty members alike.

**Continuing Medical Education**  
Dr. Mary Lampe

Dr. Lampe has been a stalwart of the Continuing Medical Education Program. She has helped to sustain excellent CME opportunities for our department, and this benefits both faculty and trainees.

**Perioperative Blood Conservation**  
Dr. Fiona Ralley

Dr. Ralley spearheads the Perioperative Blood Conservation Program and has implemented several highly successful initiatives reducing blood transfusion rates for many surgical procedures. She has developed a national profile in this field, and continues to lead this program forward.
The Victoria Hospital Department of Anesthesia provides clinical service for vascular, thoracic, orthopedic (trauma and spine), plastic including craniofacial, ENT, urologic, oncologic, general surgical and pediatric (ear, nose and throat, general, urologic, neurosurgical and plastic) surgery. Victoria Hospital also provides anesthesia services to the secondary level obstetric unit in the city. The site’s emphasis is clinical teaching of residents, medical students, and allied health professionals and includes the use of a newly operational simulator program.

**Thoracic/Vascular Anesthesia**

Both subspecialties under the direction of Dr. George Nicolaou have flourished and remain popular as a resident rotation. Monthly multidisciplinary rounds (including surgeons, anesthesiologists, OR and ward nursing staff) have been well received. Several recent clinical research projects in these subspecialties have been completed, and others involving Video Assisted Thoracic Surgery (VATS), and pressure limited one lung ventilation are underway. A previous project led to a change in the postoperative epidural analgesia solution utilized.

**Pediatric Anesthesia**

This division is under the guidance of the Program Director, Dr. Lynn Coveney, with input from members of the Pediatric Anesthesia Interest Group. It currently supports three dedicated pediatric surgery ORs daily, as well as sedation for endoscopies/colonoscopies, MRIs, CT scans and diagnostic LP/bone marrow biopsies out of the OR three days per week. Further expansion of this service is planned. This division has implemented a “Parental Presence at Induction” Program, and expanded pediatric preoperative assessment and postoperative pain management. Pain management for pediatric patients with epidurals on the ward began this year. Residents and interested staff continue to participate in the nationwide telemedicine conferences hosted by the Hospital for Sick Children.

**Obstetrical Anesthesia**

Dr. Sandra Katsiris, the citywide Obstetrical Anesthesia Director, has successfully introduced a citywide standardized obstetrical anesthesia care approach including standardized epidural solutions, PCA and PCEA. Final planning for the consolidation of all obstetrical anesthesia services in London to Victoria Hospital is underway. Construction at the location has begun for completion in October 2010.
ACUTE & REGIONAL ANESTHESIA/ANALGESIA

The division of Regional Anesthesia had a very active 2007-2008 with members taking part in both national and international events.

Workshops
The Varkey Annual workshop was successfully conducted with visiting faculty: Professor Chan from Toronto and Dr. Jeff Gadstone from New York. The workshop was received well by the registrants. A number of our faculty were teachers in this workshop. Dr. Shailni Dhir and Dr. Kevin Armstrong coordinated the clinical demonstration on day two, which was a great success. Volunteer scanning and the animal lab demonstrations were taught by Drs. Kevin Armstrong, Su Ganapathy, Shalini Dhir, John Parkin, Ngozi Imasogie, Maxim Rachinsky, and Indu Singh.

Drs. Su Ganapathy, Shalini Dhir, Kevin Armstrong, and Ngozi Imasogie were teachers at the regional anesthesia workshop during the annual Canadian Anesthesiologists’ Society meeting in Halifax, Nova Scotia. Dr. Armstrong was the leader for the annual Canadian Anesthesiologists’ Society meeting resident workshop on basic lower limb blocks in Halifax, Nova Scotia, June 2008. During the same meeting Dr. Ganapathy was one of the teachers at the advanced workshop involving cadaver needling which was very well appreciated by registrants.

Dr. Dhir and Dr. Ganapathy were workshop demonstrators at the Bi-Annual Ultrasound Guided Regional Anesthesia Workshop at M.D. Anderson Cancer Center, The University of Texas in July 2007. They demonstrated sonoanatomy on volunteers and supervised the pig lab demonstrations. Dr. Dhir also gave a lecture on postoperative pain management during this meeting.
Dr. Ganapathy was a workshop demonstrator on Ultrasound Guided Blocks, OAPRS - ASA Meeting, October 2007

Dr. Ganapathy was a workshop demonstrator on upper limb blocks at the 2nd KP Regional Anesthesia Symposium, Kaiser Foundation Hospitals, Riverside, CA, USA, November 2007.

Dr. Ganapathy was a workshop leader on Upper Limb Blocks at the World Congress of Anesthesiology meeting in Capetown, South Africa, March 2-7, 2008.

Dr. Ganapathy was a demonstrator at the Advanced Workshops for Ultrasound Guided Nerve Blocks, University of Toronto, both in January and June of 2008. She demonstrated some of the rarer blocks such as lateral femoral cutaneous nerve, obturator, ilioinguinal and TAPB.

Dr. Ganapathy was a demonstrator at the International Symposium on Ultrasound for Regional Anesthesia (ISURA) annual workshop, Toronto, Ontario, April 2008.

**External Review**
The Division had an external review by Professor Vincent Chan in early January 2008. Since the review, the division has been reorganized considerably. The divisions of Acute Pain and Regional Anesthesia have been merged into one. This division is scheduled to have two codirectors, one for the section consisting of administrative and clinical deliverables and the second for research and fellowship in regional anesthesia and acute pain. Dr. Kevin Armstrong and Dr. Su Ganapathy were appointed to lead these sections respectively citywide. Changes are being introduced gradually to improve productivity in both sections.

Dr. Richard Tilsworth, one of the founding members of the division, is leaving London Health Sciences Centre. He has contributed a lot to keeping the Regional Anesthesia interests alive at the Victoria Campus. We will miss his presence in the division.

**Website Development**
A Regional Anesthesia website has been developed with educational material for our staff and residents. It is currently being populated with materials. You can find this new web site at http://www.regionalanesthesi.uwo.ca
**Fellowship Program**

We had two fellows complete a year of fellowship. Both Dr. Tureanu and Dr. Rachinsky will be joining our Division as academic anaesthesiologists. Dr. Tureanu and Dr. Ganapathy have become investigators with the Outcomes Research Group of the Cleveland Clinic Foundation, USA.

**Research in Progress**

There are several research projects in progress.

- Dr. Imasogie has started the randomized component of the study looking at naloxone infusion in elderly patients and cognitive function.
- Dr. Dhir is continuing with her study on comparative evaluation of cervical epidural to interscalene blocks for shoulder arthroplasty.
- Dr. Ganapathy completed a multicentre trial on Tapentadol for analgesia following total hip arthroplasty.
- Drs. Ganapathy, Singh, Rachinsky, Dhir and Parkin are currently looking at pregabalin and naturopathic pain following inguinal herniorrhaphy.
- Dr. Dhir is looking at the role of diluent dextrose vs normal saline with onset of axillary block.
- Dr. Dhir is doing a study on stimulating catheters vs ultrasound for infraclavicular catheters.
- Dr. Tureanu and Dr. Ganapathy are doing the study looking at PVB vs general anesthesia with mastectomies on metastasis.
- Dr. Rachinsky and Dr. Bhandari are doing a dose finding study of intrathecal hydromorphone in the elderly undergoing total hip replacement.
- Dr. Dhir is looking at opioid free anesthesia and analgesia for shoulder arthroplasty and outcomes.
- Dr. Ganapathy and Dr. Bhandari are doing the fast track arthroplasty following total knee and hip arthroplasty.
- Drs. Adhikary, Ganapathy, and Kumbharathi are evaluating Continuous TAPB to TEA for abdominal surgery.
- Drs. Ganapathy, Kumbharathi and Bainbridge are evaluating bilateral TPVB for CABG.
- Dr. Ganapathy is one of the investigators evaluating the tracking system for image guided needle insertion at CSTAR with Dr. Colin Clarke and Dr. Bainbridge.
ANESTHESIA CARE TEAM

Over the past year we have introduced 11 certified Anesthesia Assistants (AAs) into the London teaching hospitals. After classroom training at the Michener Institute in Toronto, they underwent 12 weeks of clinical training in the three main teaching hospitals and were formally certified in March. They have been integrated into the work routines of the department with the cooperation of the entire department. This has allowed us to reliably provide service for some of the key wait time initiatives such as cataract surgery. In the cataract suite we now use a model where one consultant supervises two anesthesia assistants. Other AAs assist in the block room or monitor patients after major regional blockade or provide special assistance in the operating room for more complex cases. Care of patients outside the OR such as pediatric imaging and procedures, neuroradiology or electrophysiology labs have all benefitted from having consistent, reliable assistance in these challenging environments.

In September 2008, Fanshawe College (London, Ontario) will initiate a training program for Anesthesia Assistants. The Department of Anesthesia and Perioperative Medicine has been involved in the design of this program and will provide a significant amount of classroom and operating room instruction. During the Basic Program, run from September to December, there will not be significant input from the Department of Anesthesia but this will change for the Advanced Program due to start in January 2009, when most of the lectures and workshops will be physician directed. It is hoped that some of the senior anesthesia residents will participate in running some of these courses as a good training experience along with some of the junior faculty of the department. At present, although there is funding for ten students, only seven have enrolled.

Acceptance of the role of Anesthesia Assistants is generally becoming universal with the role being recently adopted by the Canadian Anesthesiologists’ Society. Currently, we are developing new models of care in areas where the Department has not had the human resources to provide coverage. This includes endoscopy and obstetrics with expanded invasive radiology. We are currently awaiting approval from the Ontario Ministry of Health and Long-Term Care for funding to more formally explore these areas of care. This should greatly improve patient safety and perhaps reduce some of the workload carried at present.
CARDIAC ANESTHESIA

Traditionally, this is one of the most active groups academically, not only in this department but also nationally and internationally. This past year has seen the development of the Cardiac Anesthesia Database to allow reporting of Perioperative TEE exams as well as the use of the Euroscore for risk stratification. This endeavor was spearheaded by Dr. Taneja. The Fellowship program continues with four to five fellows this year under the direction of Dr. Granton. A very important part of this program has been TEE teaching under the direction of Dr. Iglesias. This program has been designed to prepare all participants for TEE-board exams. Once again, all of our fellows successfully passed the ABE exam.

The University Hospital cardiac group, under the leadership of Dr. John Murkin, successfully organized the annual “Outcomes” meeting which over the years has become a well recognized international meeting. The cardiac group also organized the Annual Cardiac Team Meeting - a multidisciplinary, international conference designed to foster exchange and interaction between surgeons, clinical perfusionists and anesthesiologists. This year the meeting was held in Mont Tremblant, Quebec, February 15-17, 2008.

CARDIAC SURGERY RECOVERY UNIT

Since the establishment of this 14 bed Cardiac Surgery Recovery Unit at London Health Sciences Centre - University Hospital in March 2005, the cardiac surgery division was consolidated to the London Health Sciences Centre - University Hospital, performing about 1,400 cardiac surgeries per annum. The CSRU specializes in the postoperative care of patients who have had cardiovascular surgery such as bypass, valve replacements, heart transplantation and robotic cardiac surgery. This unit has state-of-the-art equipment to meet the complex needs and fast track recovery of our cardiac surgical patients. The CSRU is medically staffed by cardiac anesthesiologists, critical care medicine, and cardiac surgery. The trainees consist mainly of cardiac anesthesia fellows, anesthesia and cardiac surgery residents, and critical care fellows. A nurse practitioner is also linking the long-term care patients in CSRU and the cardiac surgery ward. The CSRU provides excellent experience in postoperative cardiac surgery care both clinically and academically. A study led by Dr. Richard Novick (CSRU Associate Director and Chair/Chief of Cardiac Surgery) has demonstrated improved postoperative outcomes and morbidities in such specialized recovery units, rather than in the previous model of mixed medical/
surgical intensive care units (Can J Anesth 54:737-743, 2007). The progressive improvements in cardiac surgery patients in term of morbidity and mortality have been verified at the Cardiac Care Network of Ontario since the establishment of the CSRU. Dr. Ron Butler was appointed as the CSRU Medical Director effective May 2008.

**CARDIAC TRANSESOPHAGEAL ECHOCARDIOGRAPHY [TEE]**

The Program on Intraoperative TEE continues to support the Academic and Clinical missions of our Department. Academic activities are a regular and strong component of our work, TEE teaching in the OR to our Fellows and Residents from Anesthesia and other Programs (Cardiac Surgery and ICU) keeps going on a daily basis. Rounds to review TEE exams take place every Monday, Tuesday and Thursday from 7:00 to 7:40 am, and presentations on TEE subjects take place on Wednesdays at 7:00 am. In 2007-2008 we continued our program on TEE teaching to Consultants and we expanded this program to non Anesthesia Consultants. In April 2008, we started our program on TEE teaching to Cardiac Surgery Residents with special emphasis on applications and review of TEE exams. This program has been very well received. All these teaching activities are possible thanks to the support and commitment of Drs. Daniel Bainbridge, Achal Dhir, Bernie Mezon, Phil Jones, Jeff Granton, John Murkin, Wojciech Dobkowski and Marc St-Amand. Our program proudly keeps a perfect record in the American Board TEE Exam, as 100% of our Fellows have succeeded in this test. Our program continues to support intraoperative TEE for cardiac and non cardiac surgery and CSRU patients on a daily basis with very positive feedback from Surgeons and Anesthesia Consultants and benefit to our patients.
CHRONIC PAIN

Clinical Care
The average time from a request for a medical consult for chronic pain management to the first assessment has decreased from eight months to approximately three to six months, varying with the physician. This is due to improvements in booking efficiency as well as addition of new staff. Urgent assessments are performed within four to eight weeks.

New Physicians
Dr. Luminita Tureanu, who holds a Fellowship in Pain Medicine from the John H. Stroger Jr. Hospital, Chicago, will join the department as of August 2008. She will be working with Dr. Tilsworth at the LHSC South Street Clinic until the citywide Pain Clinic facility is completed in 2011, at which time she will move to St. Joseph’s Health Care.

Dr. Michael Payne, a Physical Medicine and Rehabilitation physician, has started working in the St. Joseph’s Health Care Pain Clinic one half day per week as of July 2008. This brings the total number of physicians in the St. Joseph’s Health Care clinic to nine, plus one 0.4 Full Time Equivalent psychologist and two Registered Nurses.

Education
Dr. Ramin Safakish, a staff anesthesiologist in Chatham, Ontario trained in the St. Joseph’s Health Care Pain Clinic from September 2007 to February 2008 then left to open his own Pain Clinic in Chatham, Ontario.

A Chronic Pain educational session for family physicians was held on November 7, 2007 in the Shuttleworth Auditorium at St. Joseph’s Health Care, the University of Western Ontario. Approximately 50 family medicine residents were in attendance. Family Medicine Preceptorships are offered in the Pain Clinic for approximately four to six physicians each year.

Interdisciplinary Pain Rounds continue to be held on the fourth Wednesday of each month. A schedule of past and future speakers is available on our website at http://www.londonpain.ca.
A multidisciplinary selective in Acute and Chronic Pain Management was again offered to 80 fourth year medical students. (Dr. Neal Badner and Dr. Pat Morley-Forster).

**Clinical Research**
The St. Joseph’s Health Care Pain Clinic participated in four pharmaceutical trials in 2007-2008, three ongoing from the previous year assessing pregabalin, an oral cannabinoid, and a recently started trial of Tramadol for Diabetic Neuropathy. Pfizer Canada donated $950,000 towards a multicentre databank registry which will enroll patients with neuropathic pain for a two year follow-up period. St. Joseph’s Health Care is the lead site collaborating with McMaster (Hamilton), Mount Sinai (Toronto) and Ottawa Hospitals. This study started enrollment in May 2007.

Dr. Collin Clarke, PGY 3, was awarded the Canadian Anesthesiologists’ Society LMA Vitaid Resident Research Award. His objective is to study MRI changes with intravenous lidocaine treatment in patients with neuropathic chronic pain.

**CRITICAL CARE**
**UNIVERSITY HOSPITAL - MSICU**

The Critical Care Program at The University of Western Ontario is a multidisciplinary program that provides Royal College postgraduate training in Critical Care Medicine. Trainees gain experience caring for critically ill patients in the Richard Ivey Critical Care Trauma Centre (30 beds) at Victoria Hospital and the Medical Surgical Intensive Care Unit (24 beds) and the Cardiac Surgery Recovery Unit (16 beds) at University Hospital. There is exposure to a wide variety of clinical services within the program including: trauma, major vascular, thoracic, neurological, neurosurgical, transplant, and cardiac. The Program in Critical Care has a well-established educational program for trainees, which has been recognized for its excellence by the Royal College of Physicians and Surgeons. There are 17 faculty members within critical care with a range of clinical backgrounds including anesthesia, internal medicine, respirology, emergency medicine and surgery. Faculty members are involved in education, and basic science and clinical research. If you are interested in postgraduate training, further details can be obtained by visiting our website at http://www.lhsc.on.ca/programs/critcare/pge/.
The Adult ICU at St. Joseph’s Health Care London was successfully transferred to London Health Sciences Centre in April 2005, in keeping with the mission of hospital restructuring. It had been identified that there was a need to provide Critical Care support to certain subgroups of patients scheduled to be cared for at St. Joseph’s Health Care London through to Milestone 2 of restructuring. These include major joint orthopedics, gynecology, and especially high-risk obstetrics. To meet this need, the concept of a “Step Up Capability” was developed for St. Joseph’s Health Care London. This provides staff and physical plant, based from Post Anesthesia Care Unit, to intervene in the case of any patient requiring Critical Care service at St. Joseph’s Health Care London. Staffing includes nurses from the Post Anesthesia Care Unit, Registered Respiratory Therapists from the hospital pool, and physicians from the citywide Critical Care Program, with clinical assistant physicians in-house after hours. Patients who can be stabilized remain at St. Joseph’s Health Care London, monitored by the Step Up team. The team transfers those who remained unstable or critically ill, to ICU (London Health Sciences Centre). The Step Up Capability also provides the base for the Cardiac Arrest capability at St. Joseph’s Health Care London, with expanded duties better described by its new name, the Medical Emergency Response Team (MERT).

The Step Up Capability was inaugurated on April 25, 2005, coincident with closure of the St. Joseph’s Health Care London ICU. Step Up has operated successfully since then. The numbers of patients and levels of acuity are almost exactly as predicted. This service has allowed continuation of the planned level of Obstetric and Surgical activity at St. Joseph’s Health Care London. Data collection is ongoing to assist in developing Medical Emergency Response services at St. Joseph’s Health Care London beyond Milestone 2.
CRITICAL EVENT SIMULATION

This academic year marks the first complete year of operations for the departmental simulation program. The program continues to focus primarily on the delivery and debriefing of highly realistic simulation scenarios intended to improve the crisis resource management skills of our participants. Concomitantly, we are developing new scenarios, establishing simulation curriculum, and pursuing research questions relative to simulation and medical education.

By June 2008, the simulation program delivered and debriefed over 270 simulation scenarios to more than 320 participants. Traditional scenarios focused on problems relevant to anesthesia, critical care, trauma management, obstetrics, and ACLS. Novel scenarios were created to focus on ethical issues, handling medical error, dealing with conflict and improving communication skills. In all, more than 75 unique scenarios were developed in the last year.

Through regular simulation sessions for anesthesia residents and critical care junior residents, almost every postgraduate medical program at The University of Western Ontario had some trainee exposure to critical event simulation training. In addition, the program also entertained critical care fellows, the Critical Care Outreach Team (CCOT), community anesthesiologists, anesthesia assistants, and on occasion rather larger crowds of secondary school students visiting the simulation lab.

We also enjoyed several unique opportunities to introduce simulation training to the undergraduate medical program. Under the direction of Dr. Lois Champion the simulation group provided a brand new curriculum experience for the first year medical class. In consolidation week, 88 students got to experience clinical assessment, decision making and management in the simulation environment. An additional 24 fourth year students got to experience an integrated simulation curriculum during a resuscitation medicine course.

Over the last year, feedback from participants has been overwhelmingly positive. The simulation experience is consistently rated as positive and beneficial for recognizing and managing critical events. Participants also find the experience useful for improving communication skills and overall situation awareness.
Enthusiastic, dedicated, and thoughtful instructors are the mainstay of a successful simulator training program. In addition to scenario development, our instructors have implemented several novel teaching modalities that are unique to the simulation environment. These include methods such as simple games to demonstrate the nature of information and task overload, methods to enhance and emphasize CRM techniques of communication through blindfolding simulation participants, “time-outs” or slowing the normal clinical progression of a crisis to permit adequate learning.

In an ongoing effort to improve all facets of the program, our group members have attended various instructional sessions related to scenario delivery and advanced debriefing techniques. Use of the “advocacy/enquiry” model of debriefing continues to be encouraged and practiced. The debriefing plays a highly significant role in the simulator experience. As Dan Ramer at Harvard CMS succinctly puts it, “It’s not just about the dummy, dummy”.

During this year, the simulation program enjoyed having our first simulation fellow, Dr. Joann Kawchuk. Dr. Kawchuk brought a passion for education, incredible organization, and a flare for “simulation theatrics” that complemented our efforts immensely. She completed her Fellowship in June 2008 and is presently helping establish the simulation program at the University of Saskatchewan.

Other notable events in the last academic cycle included
- Demonstration of the simulation program and curriculum to Dr. Deborah Danoff and Dr. Andrew Padmos from the Royals College of Physicians and Surgeons of Canada
  Dr. Richard Cherry
  October 2007
- Simulation Interest Night
  Drs. Cherry, Granton, and Church
  February 2008
- Update on the Simulation Program - UC Anesthesia Rounds
  Dr. Granton
  March 2008

Over the next year, our goals include expansion of our instructor pool to accommodate the increasing demand for this style of training. We will also be initiating research projects efforts related to simulation. The simulation program currently has an excellent collaborative relationship with CSTAR and we look forward
to completion of the Kelman Center for Advanced Learning and the construction of a world class simulation centre with formal simulation suites and debriefing facilities.

EVIDENCE BASED PERIOPERATIVE CLINICAL OUTCOMES RESEARCH GROUP (EPiCOR)

The Evidence Based Perioperative Clinical Outcomes Research (EPiCOR) Group is a multidisciplinary collaboration between Anesthesia & Perioperative Medicine, Surgery, Pharmacy, and Pharmacology whose mandate is to provide comprehensive systematic reviews, meta-analyses, and health technology assessments of new and existing technologies including medical devices and equipment, surgical and other interventional procedures, drugs and diagnostic techniques in order to inform important perioperative clinical and economic questions with the best available evidence.

The EPiCOR Group has completed research in the following areas

- Perioperative Supportive Care
  - Patient Controlled versus Nurse Controlled Analgesia
  - NSAIDs versus Non-NSAID Multimodal Analgesia
  - Amiodarone Perioperatively
  - Postoperative Nausea and Vomiting
  - Perioperative Gastric Acid Suppression
  - Levosimendan for Prevention of Arrhythmia and Death
- Blood Conservation
  - Antifibrinolytics
  - Synthetic Colloids versus Albumin
  - IV Irons
  - Cell Saver
- Minimally Invasive Surgical Methods
  - Off-Pump versus On-Pump Coronary Artery Bypass Surgery
  - Endovascular versus Open Vein Harvest for CABG
  - Video-Assisted Thoracic Surgery
  - Thoracic Endovascular Aortic Repair versus Conventional Open Repair for Aortic Aneurysm
• Innovative Surgical & Imaging Techniques
  Stentless Valves versus Conventional Valves for Aortic Valve Replacement
  Multislice CT, MRI, TEE/TTE Ultrasound, versus Angiography for Aortic
  Dissection
  MAZE Procedure

**International Collaboration**
In addition, EPiCOR has collaborated with other international groups to perform evidence-based systematic reviews and consensus statements. These forums provide a unique opportunity to teach surgeons, anesthesiologists and related healthcare professionals about evidence-based decision-making, meta-analysis and systematic review. The following areas have been addressed by EPiCOR-led consensus conferences

• Off-Pump Coronary Artery Bypass Surgery (OPCAB)
• Endovascular Vein Harvest (EVH)
• Transmyocardial Revascularization (TMR)
• Stentless Aortic Valves (SAV)
• Thoracic Endovascular Aortic Repair (TEVAR) (ongoing)
• Perioperative Colloids

**Presentations**
EPiCOR research has been presented at conferences, research centres and universities locally and internationally. The EPiCOR Group also contributed to teaching opportunities and publications for the purpose of raising awareness of the need for evidence-based decision-making

• Efficacy of Intraoperative Cell Saver during Cardiac Surgery
  A Meta-Analysis of Randomized Trials
  Poster Presentation at American Society of Anesthesiologists,
  Orlando, FL, USA
  2008
• Sevoflurane Safety Compared to Propofol/Inhalational Agents
  A Meta-Analysis of Randomized Trials.
  Poster Presentation at American Society of Anesthesiologists,
  Orlando, FL, USA
  2008
• Interpreting the Literature
Evidence-Based Medicine & Clinical Trial Design, Workshop Organizer and Presentation at the 11th International Congress of Cardiothoracic and Vascular Anesthesia
Berlin, Germany
September 2008

• Meta-Analysis and Systematic Review
Basic Principles and Application to Off-Pump vs. On-Pump Bypass Surgery Workshop for the 11th International Congress of Cardiothoracic and Vascular Anesthesia in Association with the German Society of Anesthesiology and Intensive Care Medicine and the Society of Cardiovascular Anesthesiologists
Berlin, Germany
September 2008

• Systematic Review and Meta-Analysis of Stentless Aortic Valves
Presentation at the International Society of Minimally Invasive Cardiothoracic Surgery Annual Meeting
Boston, MA, USA
June 2008

• How We Know What Isn’t So: Navigating Uncertainty in the Medical Literature
Presentation to the Department of Anesthesia & Perioperative Medicine at the Anesthesia Annual Research Day
London, Ontario
May 2008

• Incorporating Evidence, Ethics & Economics into Hospital Drug & Technology Approvals
Presentation at the 2nd Annual International Patient Safety Symposium
Antalya, Turkey
March 2008

• Tools, Tips & Tricks for Evidence Based Medicine
Presentation at the 2nd Annual International Patient Safety Symposium
Antalya, Turkey
March 2008

• Aprotinin vs Tranexamic Acid or Aminocaproic Acid
A Meta-Analysis of Morbidity & Mortality
Presentation at the Annual Clinical Update in Anesthesiology
Acapulco, Mexico
January 2008
LIVER TRANSPLANTATION

This year the anesthesiologists from the liver transplantation group (Drs. Dhir, Dobkowski, Harle, Ralley and Vannelli) provided services to 70 liver transplant patients.

During the past year, two fellows, one from India and one from Colombia, trained in our program. There will be two new fellows starting in 2009.

Dr. Achal Dhir prepared and organized a series of seminars every two weeks, for Fellows, Consultants, and Residents.

Further progress has been made in the development of the “Canadian Anesthesia Transplantation Section” of the CAS and the development of a national website is underway.

MEDICAL INFORMATICS

Current work in the department includes; the development of international standards for anesthesia terminology in cooperation with the International Organization for Terminology in Anesthesia (IOTA) and the International Healthcare Terminology Standards Development Organization (IHTSDO), implementation of the Electronic Medical Record for Preadmission Clinic, International Anesthesia and Critical Care Equipment Standards Development, and work with the MD PNP consortium (www.mdnpn.org). As a member of the Patient Identification Committee, we are formulating a policy for the future use of barcoding and Radiofrequency identification tagging (RFID) patients for identification and patient tracking by wireless networking.
NEUROANESTHESIA

The aim of the Neuroanesthesia Fellowship Program is to provide advanced training to those individuals who either plan to enter academic anesthesiology with an emphasis in neurosurgical anesthesia or those who wish to practice in a setting that has a large number of neurosurgical and neuroradiological procedures. Trainees gain knowledge not just through case experience, but also through an organized teaching program. The Fellowship is designed to improve expertise in the following areas:

Clinical Neuroanesthesia
Cerebrovascular Surgery and Endovascular Treatment
We are a national referral centre for the management of patients with cerebral aneurysms and arteriovenous malformations.

Surgery for Intractable Epilepsy
While we have been doing this type of surgery for more than two decades, it is only recently that neurologists and neurosurgeons worldwide have come to realize the therapeutic potential of such surgery and this has resulted in epilepsy surgery becoming one of the “fastest growth areas” in neurosurgery. We are one of Canada’s two major national referral centres. Patients are treated awake but sedated so that their speech and motor areas of the brain can be mapped prior to surgical excision.

Stereotactic Surgery
This is used for diagnostic biopsies, management of chronic pain and movement disorders, and the management of intractable epilepsy. Each of these requires different anesthetic approaches.

In addition to the above “special areas”, fellows will be exposed to a wide variety of the more usual neurosurgical procedures, including endoscopic neurosurgery, craniotomies for tumors and hemifascial spasm, carotid endarterectomy, spinal instrumentation.

Monitoring/Diagnostic Skills
Fellows will have the opportunity to learn how to use Transcranial Doppler, Cerebral Oximetry, Evoked Potential and EEG monitoring during surgery.
Non-Anesthesia Experience
Fellows will spend a brief period on the Epilepsy Service to have a better understanding of the total management of patients with epilepsy and to learn more about the reading, use and potential of EEG monitoring.

As well, a similar brief period will be offered in the Neuroradiology Department to learn more about the indications and uses of diagnostic and interventional neuroradiology and to become much more facile with the interpretation of CT scans, MRI, etc.

Research/Academic Activities
The Department offers a variety of clinical research opportunities.

It is our expectation that each fellow will complete at least one research project taking it from conception through to completion. In addition, each fellow is expected to write at least one review article/book chapter. Further participation in research and writing activities is always welcome and encouraged.

Under supervision, fellows will also review manuscripts submitted to a variety of anesthesia journals, abstracts submitted to anesthesia scientific meetings and grant applications. These activities together with the research activities outlined above will provide fellows with an excellent insider’s view of the entire research process.

We encourage Fellows interested in medical education, to take the two day or five day course in “Teaching at the University Level” offered by The University of Western Ontario. For those who anticipate that teaching will be a major component of their career, we advise our 30-week teaching course for medical educators.
OBSTETRICAL ANESTHESIA

The past year’s volume of deliveries in the city approximated 6,500, a number that has been relatively stable for the past few years. There continues to be an increase in the relative number of complex maternal care patients at London Health Sciences Centre - Victoria Hospital. St. Joseph’s Health Care continues to be the tertiary obstetrical referral centre in the city, responsible for the majority of high-risk obstetrical anesthesia and neonatal care.

Standardization of anesthetic carts has been realized in the birthing centres at both sites. In addition to the citywide standardization epidural solutions, and widespread use of PCEA across the city, this has significantly helped both staff and residents who practice in both units. Also, the change from reusable to disposable epidural kits at both St. Joseph’s Health Care and London Health Sciences Centre - Victoria Hospital has made a vast improvement in standardization and safety of equipment.

The outer shell of the Grace Donnelly Women’s and Children’s Health Pavilion at London Health Sciences Centre - Victoria Hospital is complete. The structure template includes four dedicated c-section operating rooms. The initial design configuration for these rooms has been completed and it is hoped that once work on the interior begins, the design will promote efficient, functional use of space. The current estimation for consolidation of obstetrical anesthesia services at this site is November 2011. Consolidation will likely mean a change in the approach to provision of obstetrical anesthesia services. It is likely that two consultants, supported by fellows and residents, will be dedicated to the birthing centre. One will be responsible for booked, elective c-sections, while the second one will remain responsible for labour analgesia and urgent and emergent c-sections. The specific details of anesthetic coverage will be further delineated once the consolidation date is closer.

The MORE (Managing Obstetrical Risk Efficiently) program has finished its third phase in London. Currently, discussions are underway to decide if London will participate in the recently introduced fourth phase. The program has improved the multidisciplinary team approach to patient safety. Mock obstetrical emergency drills at both St. Joseph’s Health Care and London Health Sciences Centre - Victoria Hospital will continue as part of ongoing education, after the formal program has finished.
The core resident rotations through the obstetrical unit at St. Joseph’s Health Care continue to be fully subscribed. Resident exposure to and educational experience with challenging obstetrical anesthesia cases occurs at both sites. Obstetrical cases continue to figure prominently in resident research and presentations. Resident exposure to obstetrical anesthesia in the city continues to thrive.

The Obstetrical Anesthesia Fellowship Program has a number of potential candidates for the position of Clinical Fellow for the upcoming year.

**PALLIATIVE CARE**

Palliative, End of Life Care education is being integrated into Schulich School of Medicine & Dentistry (SSDM) and the London Health Sciences Centre, Critical Care Units (CCUs) including Medical-Surgical Intensive Care, Cardiac Surgery Recovery Unit, Critical Care Trauma Centre and Trauma Observation Unit at London Health Sciences Centre.

Undergraduate medical education accreditation standards now encompass Palliative, End of Life Care. The SSDM UGE curriculum committee responded by including the national project: Educating Future Physicians in Palliative and End of Life Care (EFPPEC) as a sub-curriculum. It is present in the Preclerkship, Clinical Clerkship and Fourth Year, Transition Year, time periods. This education is supported with resource development through WebCT curriculum and The University of Western Ontario library resources. The Preclerkship year education is integrated throughout most courses as didactic lectures, discussion groups, and research projects. The Clerkship and Transition year education is clinically relevant, focusing on identifying patients at risk of dying, end of life discussions, and decision making and management.

Postgraduate Medicine has also expanded their resident education to include Palliative, End of Life Care through an Associated Medical Services (AMS) provincial initiative. UGE and PGE education is being designed to support the clinical reality that dying is a phase of life. Frequently in the quest for meaningful life extension, patients are admitted to ICUs while they are at risk of dying.

Approximately 20% of Americans die in Critical Care/Intensive Care Units or shortly after a medical, surgical ICU admission. A range of 15–25% of patients admitted to the ICUs will die there depending on the type of ICU. Dying and death are common
in this setting. Despite this, there was no EOL Care Program in Critical Care in Canada. The Canadian ICU Collaborative, created an End of Life Care in Critical Care Improvement Charter. As well, the Critical Care Secretariat of Ontario (CCS) strategy to improve access to and use of critical care beds highlighted the importance of a “good death” for patients/families. London Health Sciences Centre CCU End of Life Resource Team, and Humanistic Care Committees participated in the CCS EOL Decision Making, Performance Improvement Coaching Team initiative in 2006-2007.

It has become a CCU (MS-ICU, CCTC) goal to formalize a comprehensive, sustainable, EOL Care Program in Critical Care. The interdisciplinary, comprehensive programs involve physicians (multidisciplinary critical care consultants), nurses, respiratory therapists, social workers and volunteers. It is being developed as a multifaceted program through EOL expertise, clinical supports, staff education, corresponding policy and procedure development, database management and EOL Care research.

As the EFPPEC Lead at Schulich School of Medicine & Dentistry End of Life Care; the AMS Fellow in End of Life Care for Medicine Resident Education and the Palliative Medicine Consultant in the Critical Care Units (CCTC, MS-ICU), Dr. Schulz is progressively integrating the education and practice of Palliative, End of Life Care as a core component of health care.

**PEDIATRIC ANESTHESIA**

This division is under the guidance of the Program Director, Dr. Lynn Coveney, with input from members of the Pediatric Anesthesia Interest Group. It currently supports three dedicated pediatric surgery ORs daily, as well as sedation for endoscopies/colonoscopies, MRIs, CT scans and diagnostic LP/bone marrow biopsies out of the OR three days per week. Procedural sedation has increased from 600-700 cases per year to 1,600 cases. The addition of Anesthesia Assistants has augmented efficiency and throughput of these cases, as well as improving equipment organization and maintenance. The creation of mobile pediatric anesthesia equipment carts, as well as a pediatric difficult airway cart, has integrated pediatric cases into the adult operating rooms. Pediatric anesthesia carts have also been deployed in the endoscopy suite, the Pediatric Medical Day Unit (PMDU) and most recently PACU. Recent acquisition of a neonatal warming blanket and an ultrasound for line placement has greatly improved safety and efficiency of our cases.
Patients scheduled for procedural sedation or a surgical procedure in the operating room are assessed in the preadmit clinic which has expanded service to five days per week. The preoperative questionnaire has been revised to reflect pediatric practice and protocols for Midazolam premedication and the NAP (parental presence at induction) program have been implemented. The NAP program is fully functional in its third successful year. Plans to consolidate criteria for parental presence in the procedure rooms and the PAC are ongoing.

The pediatric subspecialty group has a minor role to play in research, providing procedural sedation for two studies by Dr. C. Campbell and a proposed site participation in a national M & M Study for Anesthesia for MRI. Residents and interested staff continue to participate in the nationwide telemedicine conferences hosted by the Hospital for Sick Children, Toronto, Ontario.

The pediatric anesthesia group has achieved many of its goals by the successful implementation of the NAP program, the expansion of the preadmit clinic and the expansion of the procedural sedation service. Challenges for the future include a Pediatric Anesthesia Fellowship Program, simulator educational programs and implementation of the Pediatric Palliative Care Service.

**PERIOPERATIVE BLOOD CONSERVATION**

The perioperative blood conservation program (PBCP) has now developed into an integral part of the preoperative assessment of patients scheduled for all types of surgery where the expected transfusion rate for the procedure is greater than 10%. Patients are routinely seen in the preadmit clinic where they are assessed by one of the nursing staff who then refer appropriate patients to the perioperative blood conservation team. Unfortunately, the short time frames from preadmit visit until surgery combined with the frequent cancellations due to bed shortages has made implementation of many of the PBCP strategies challenging, particularly with cardiac surgical patients. Despite this, last year 2,155 patients were referred to the PBCP of whom 459 had one or more blood conservation strategies implemented prior to their surgery. This is in addition to all patients citywide who refuse blood product (not only for religious reasons) who are also assessed by the PBCP coordinators if their surgical procedure is associated with the risk of significant blood loss. By using the data collected by the ongoing PBCP database it is now possible to assess what would be the optimum hemoglobin for each individual.
patient, taking into account their demographic data and expected blood loss for the procedure and surgeon.

Last year two new intraoperative blood conservation modalities were introduced on a trial basis initially, at University Hospital. The overwhelming success of the introduction of the use of Tranexamic Acid in a select group of patients undergoing primary or revision arthroplasty procedures led to its routine introduction for all arthroplasty patients in March 2008. Part of the success of this endeavor has been due to the simplified dosing format that was designed, thus allowing the drug to be ordered at the patient’s preadmit visit and to be sent to Surgical Prep on the day of surgery. Transfusion rates for all primary arthroplasty patients have fallen to below 5%. These results have been the topic of a poster presented at the Society for the Advancement of Blood Management and are to be presented at the Annual Meeting of the American Academy of Orthopedic Surgeons in the spring. This protocol has generated a lot of interest in other orthopedic centres in Ontario with several requests to share our data. The second modality involved the use of acute normovolemic hemodilution (ANH) with component therapy splitting into concentrated red blood cells, platelet poor plasma and platelet rich plasma. After a quality control assessment of the contents of the component bags to be retransfused, this modality is now offered to any patient that is undergoing a complex, cardiac surgical procedure that is associated with a high blood transfusion rate. Initial assessment of the data from the first six patients has shown a reduction in the transfusion rate by 60%.

In November, the first Blood Management Awareness Week was held at both University Hospital and Victoria Hospital. A poster was displayed in the lobby of University Hospital and mini posters were displayed throughout both University Hospital and Victoria Hospital. This was to draw attention to the work that is carried out by the PBCP and educate both patients and staff at both institutions. This is to be an annual event in November and is run under the auspices of the Society for the Advancement of Blood Management. In addition, PBCP patient information posters have been placed in the preadmit clinics at both University Hospital and Victoria Hospital with information about the program and how to contact the PBCP coordinators.

In May, the program was successful in attracting a parttime summer nursing student, Jennie Shapiro, who began working on the PBCP website both for external and internal use. Hopefully this website will go live in November 2008. The website will be available to both patients and staff looking for information
about the program and further information on the strategies that are employed e.g. erythropoietin stimulating agents (EPREX), intravenous iron, autologous predonation, etc.

The academic endeavors of the members of the PBCP continue at a high level with a recent paper published in the Canadian Journal of Surgery, four poster presentations at three different academic meetings both in Canada and the USA. In addition, many members have had multiple didactic speaking requests both locally, nationally and internationally. At present there are three research protocols being run by the PBCP addressing current controversies in the field of blood management. It is hoped that these will lead to further publications by the PBCP team.

**THORACIC/VASCULAR ANESTHESIA**

The Academic Thoracic and Vascular Anesthesia Program continues to thrive and grow at an exponential rate in the Department of Anesthesia and Perioperative Medicine, at The University of Western Ontario. Located at Victoria Hospital, it is an extremely busy program covering all types of complex elective and emergency cases, with the exception of lung transplantation.

Vascular surgery operates five times a week and Thoracic surgery four times a week. We have monthly Morbidity, Mortality, and Multidisciplinary Rounds with our surgical colleagues to assure quality control and to keep up on current events.

The majority of vascular and thoracic patients coming through our institution have multiple coexisting diseases including cardiorespiratory compromise. These patients have an extensive preoperative evaluation by anesthesia and/or internal medicine, cardiology and respirology. We have developed a multidisciplinary perioperative high risk clinic for optimization and follow-up of these patients. The Thoracic and Vascular surgical programs have their own postoperative step-down monitored units.

**Thoracic**
The Robotic and Video-Assisted Thoracic Surgical Programs (VATS) are well developed at our institution and currently account for 80% of cases, the remainder being open thoracotomies or investigative procedures. On average, per year, we perform 300 major pulmonary resections and 100 esophagectomies. We have the largest experience with esophagectomies and VATS procedures in Canada. The Pediatric Thoracic Anesthesia Program is evolving with the recruitment of a pediatric
thoracic surgeon. Pediatric thoracic procedures include investigative, video-assisted and open procedures. Alongside this is the Pediatric Regional Anesthesia Program allowing for excellent perioperative pain management.

**Vascular**
The Vascular Division of Surgery at Victoria Hospital (has and) continues to be a pioneer in endovascular stenting of abdominal and thoracic aneurysms and claims one of the largest series in North America. Ruptured abdominal and thoracic aneurysms that have favorable anatomy are also repaired by the endovascular route at our institution. The Thoraco-Abdominal Aneurysm Program is well developed and these aneurysms are now generally repaired using fenestrated stents. The thoraco-abdominal aneurysms that cannot be repaired by using endovascular stents are repaired using partial left heart bypass. On average, per year, we perform 150 open abdominal aneurysm repairs, 50 endovascular thoracic, 100 endovascular abdominal, and ten endovascular thoraco-abdominal aneurysm repairs.

Our Transesophageal Program is well developed with formal teaching and multidisciplinary weekly rounds. TEE is specifically available for management of thoracic aneurysm stenting and for adjunctive management of the vascular patient with associated cardiac disease. While not every anesthetist involved in Vascular Anesthesia is experienced in TEE, there is usually one of the anesthetists experienced in TEE available for guidance.

**Research Projects in Progress**
- Role of continuous positive airway pressure and positive end-expiratory pressure on PaO₂ during one-lung ventilation utilizing lung protective ventilation strategies.
- QI Three Epidural Solutions for Postop Analgesia, to determine if changing to an epidural solution with less local anesthetic and hydromorphone results in less hypotensive episodes without increasing side effects and maintaining good pain control.
- To determine the effects of infrarenal clamping and unclamping on diastolic function using TEE, in patients undergoing AAA repair.
- To determine the short and long-term analgesic effects of preoperative pregabalin in patients undergoing thoracotomies.
- Meta-analysis comparing the morbidity and mortality of open descending thoracic aortic aneurysm repair to endovascular descending thoracic aneurysm repair.
• Arterial pCO₂ changes during thorascopic surgery with CO₂ insufflation and one lung ventilation.

Residents
Our residency program includes two, four week blocks of subspecialty training in vascular and thoracic anesthesia. Educational objectives are clearly outlined and monitored through daily assessments. Reading material is provided and residents are encouraged to partake in clinical research. At the beginning and at the end of their rotations, the residents have an MCQ examination to assess improvement during their rotation. An oral examination is also administered at the end of the rotation.

Fellows
Our Fellowship program is well established with ongoing clinical research opportunities, in collaboration with our surgical colleagues. The program is one year in duration and in accordance with Fellowship training elsewhere in the city, the Fellow works independently in the operating room two days per week, one day in vascular, one day in thoracic per week with a consultant, and the fifth day is for academic and research projects. The Fellows are encouraged to attend X-Ray Rounds, Thoracic/Vascular Rounds and fiberoptic bronchoscopy clinics. Reading material is provided and they are encouraged to go to another centre for two weeks to broaden their experience. The Fellowship Program is extremely flexible, and is designed to accommodate the individual Fellow's needs.

Overall, the Thoracic/Vascular Program at Victoria Hospital is a very busy program with an incredible variety of interesting and complex cases. It is constantly evolving to keep up with medical and technological advances, to ensure that patients receive the most optimal perioperative care currently available. The program offers excellent opportunities for Fellows to become proficient in adult and pediatric Thoracic/Vascular Anesthesia, both in a clinical and research setting. It is designed to meet the individual's needs, along with the best exposure to the available clinical caseload.
FELLOWSHIP

Fellowships in cardiac, neurosurgical, transplantation, regional, obstetrics, pain management, vascular & thoracic anesthesia and anesthesia informatics are offered each year at the London Health Sciences Centre and St. Joseph’s Health Care London. Generally, Fellowships are 12 months in duration but can be anywhere from six months to two years.

Programs are individualized to meet the goals of successful applicants. Generally, clinical experience is the focus along with improvement in clinical research. Fellows spend approximately four days per week in clinical activities with one day per week protected for nonclinical activities, and participation in night call schedule (from home). Fellows are also encouraged to be actively involved in resident, medical student and nursing education, didactic lectures and to participate in anesthesia rounds and specialty conferences. Applications are usually considered 12-18 months prior to the start date.
POSTGRADUATE EDUCATION

During the 2007-2008 academic year, the Postgraduate Education Program of the Department of Anesthesia and Perioperative Medicine at The University of Western Ontario had 49 Anesthesia Residents and over 30 off-service Residents hosted from other residency training programs. The program continued to provide excellent teaching, clinical exposure, research opportunities and a comprehensive approach that involved virtually every member of the Department, citywide, in some capacity. The overall program continues to strive for excellence in training that prepares our candidates for a career of both clinical and scholarly activity.

Educational Activities
The program continues to offer high quality general and subspecialty rotations including:
- Acute Pain
- Airway Management
- Ambulatory Anesthesia
- Cardiac Anesthesia
- Chronic Pain
- Neuroanesthesia
- Obstetric Anesthesia
- Palliative Medicine
- Pediatric Anesthesia
- Perioperative Medicine
- Preadmission Clinic
- Regional Anesthesia
- Thoracic Anesthesia
- Vascular Anesthesia

Resident Research Day
Our resident research day took place in Hamilton, Ontario on June 6, 2008. This full day event, held jointly with the Anesthesia Program at McMaster University, was a great success. The University of Western Ontario residents presented the following excellent work:
- Dr. Hanan Al-Turkistani
  A Review of Hemodynamic Changes During Spinal Anesthesia for Multiple Gestational Cesarean Delivery
• Dr. Collin Clarke
  Areterial Spin Labeling Functional MRI: A New Modality for Successfully Capturing Blood Flow Changes Associated with Tonic Pain
• Dr. George Evans
  QI Review of Three Epidural Solutions for Postop Analgesia
• Dr. Amna Masood
  Headache, Diplopia, Numbness: Can An Air Bubble Do This All?
• Dr. Frank Min
  Preoperative Intraaortic Balloon Pump for Elective Abdominal Perineal Resection in a Patient with Poor Left Ventricular Function

Our residents also played an active role in presentations at the annual Canadian Anesthesiologists’ Society meeting in Halifax, Nova Scotia in June 2008.

Simulation
Simulation is now a core component of the Residency Training Program with regular sessions at all levels of Residency training.

2007-2008 PGE Committee
The following people have served the Postgraduate Education Program and I wish to acknowledge them for their help and thank all the Faculty Members for their hard work.

Each and every member of the Department of Anesthesia Perioperative Medicine makes this program a success. A special thanks is extended to Ms. Linda Szabo, our Education Coordinator, who helps make every component of the program run smoothly and efficiently.

As I look back on my time as Program Director in Anesthesia, I am overwhelmingly pleased by the broad base of support from all clinical faculty at all sites for our educational mandate. It has been a pleasure to lead such a dedicated group of teachers and learners.
PGE Committee Members

- Dr. Kevin Armstrong - St. Joseph’s Health Care Site Coordinator
- Dr. Davy Cheng - Department Chair
- Dr. Richard Cherry - IT/Simulation Coordinator & Royal College Examiner
- Dr. Rooney Gverzdys - Victoria Hospital Site Coordinator
- Dr. Jeff Granton - University Hospital Site Coordinator
- Dr. Sandra Katsiris - Associate Program Director & Royal College Examination Committee
- Dr. Ed Roberts - SWOMEN Windsor Representative
- Dr. Indu Singh - Research Coordinator
- Dr. Dave Smith - RCPSC Examiner
- Dr. Mark Soderman - Community Anesthesia Representative
- Dr. Sal Spadafora - Program Director
- Linda Szabo - Education Coordinator

PGE Committee Resident Representatives

- Dr. Mark Lewis, Chief Resident
- Dr. Andreas Anotoniou, PGY 3 Junior Resident Representative
- Dr. Kenneth Ryan, PGY 2 Junior Resident Representative
UNDERGRADUATE EDUCATION

During the academic year 2007-2008, the clinical faculty in the Department of Anesthesia and Perioperative Medicine at The University of Western Ontario have continued to provide a rich educational resource for all four years of the Undergraduate Medical Program. However, the most prominent element of The University of Western Ontario Anesthesia Undergraduate Medical Program is presented in Clinical Clerkship. During this past academic year, of the 137 University of Western Ontario clinical clerks, 113, or 84%, selected anesthesia during their surgery block. Overall student evaluations for this rotation remained strong and above average. The ongoing popularity of this anesthesia rotation is likely related to the combined one-on-one clinical teaching and hands-on experience in the operating rooms (OR) with our knowledgeable and affable faculty. CSTAR Clerkship Orientation is firmly ensconced as an introductory opportunity to familiarize students with practical skills including airway management and IV insertion prior to actually entering the OR. Students were also exposed to the University of Western Ontario simulator – Sim-Man in conjunction with Surgery and Emergency Medicine. The ongoing expansion of the University of Western Ontario Medical School enrollment continues to pose a challenge in terms of physically accommodating students within the OR setting. However, this is not an isolated problem but a national one: as yet there are no solutions. In April 2007, the University of Western Ontario School of Medicine underwent accreditation. There were no specific comments or concerns regarding the undergraduate anesthesia program.

CONTINUING MEDICAL EDUCATION

Citywide CME events for Consultants, Fellows, Residents and Southwestern Ontario Anesthesiologists were:

International Perspective on Clinical Use of Colloid Plasma Expansion Agents
- Dr. Joachim Boldt
  Professor & Chair, Department of Anesthesiology & Intensive Care Medicine
  Klinikum Ludwigshafen, Germany
  May 14, 2008
Ain’t Misbehaving, Disruptive Behaviour in Anesthesia
• Dr. Michael Kaufmann, CCFP, FCFP
   Medical Director, Ontario Medical Association Physician Health Program
   April 23, 2008

Anesthesia Challenges, The Elderly Patient
• Dr. George Mychaskiw II, DO, FAAP, FACOP
   Professor and Vice-Chairman
   Anesthesia Clinical Director, Department of Anesthesiology
   Chief of Anesthesia, Blair E. Batson Children’s Hospital
   University of Mississippi School of Medicine
   February 27, 2008

Regional Anesthesia and Outcomes, Does it Really Make a Difference?
• Dr. Jeff Gadsen, MD, FRCPC, FANZCA
   Assistant Professor, Clinical Anesthesiology
   St. Luke’s-Roosevelt Hospital Center, New York, NY, USA
   December 3, 2007

The 2007 Aitken Memorial Lecture in Neuroanesthesia
• Current Status of Clinical Hypothermia
  Beyond IHAST: Added Observations on Subarachnoid Hemorrhage and Neurovascular Surgery
  Dr. Michael M. Todd, MD
  Professor & Head, Department of Anesthesia, University of Iowa
  Iowa City, IA, USA
  November 20-21, 2007

Impact of Anesthesia and Analgesia on Outcomes after Orthopedic Surgery,
Role of Regional Anesthesia and Multimodal Analgesia
• Dr. Scott S. Reuben, MD
  Professor of Anesthesiology and Pain Medicine
  Director of Acute Pain Management
  Baystate Medical Center and Tufts University School of Medicine
  Springfield, MA, USA
  November 5, 2007
Southwestern Ontario Anesthesia Meeting, Airway Workshop
Jointly organized by
• Dr. Ivan Iglesias, MD
• Dr. Christopher Harle, MB ChB, FRCA
• Dr. Sal Spadafora, MD, FRCPC
• Dr. Daniel Bainbridge, MD, FRCPC
• Dr. Richard Cherry, MD, FRCPC
  London, Ontario
  October 27, 2007

What’s New in Obstetrical Anesthesia
• Dr. Sandra Katsiris, MD, FRCPC
  Associate Professor, Anesthesia and Perioperative Medicine
  The University of Western Ontario
  London Health Sciences Centre, Victoria Hospital
  London, Ontario
  October 24, 2007

Ultrasound & Virtual Reality in the Cardiac OR
• Dr. Terry M. Peters, PhD, FCCM
  Scientist, Imaging Research Labs
  Robarts Research Institute, The University of Western Ontario
  London, Ontario
  October 10, 2007

Personalized Medicine, Challenges & Opportunities
• Dr. Richard B. Kim, MD, FRCPC
  Professor of Medicine
  Chair, Division of Clinical Pharmacology
  Director, Clinical Investigation Unit, London Health Sciences Centre
  London, Ontario
  September 26, 2007

Each subspecialty program presents a clinical update every two years on a rotational basis. The CME citywide program is also augmented by site specific teaching rounds that are built around clinical cases/topics on “morbidity and mortality” reviews.

In addition, there are Multidisciplinary Perioperative Rounds five times per year, which review current and new patient care practices.
London Health Sciences Centre
University Hospital
Dr. Daniel Bainbridge

- TEE Rounds
  The Department of Anesthesia and Perioperative Medicine
  The University of Western Ontario
  Lecture: Case Presentation I
  December 5, 2007

- TEE Rounds
  The Department of Anesthesia and Perioperative Medicine
  The University of Western Ontario
  Lecture: Case Presentation II
  December 12, 2007

- TEE Rounds
  The Department of Anesthesia and Perioperative Medicine
  The University of Western Ontario
  Lecture: Diastolic Dysfunction
  March 12, 2008

- Cardiac Surgery Resident Seminar Teaching
  The Department of Cardiac Surgery
  London Health Science Centre
  Lecture: Systolic Function
  April 9, 2008

- Mock Oral Examiner
  The University of Western Ontario Anesthesia Residency Program
  April 15, 2008

- Cardiac Surgery Resident Seminar Teaching
  The Department of Cardiac Surgery
  London Health Sciences Centre
  Lecture: TEE Video Review No. 3
  May 14, 2008
• Western Cardiovascular Update – Evolution & Revolution
  The University of Western Ontario
  London, Ontario
  May 31, 2008

• Cardiac Surgery Resident Seminar Teaching
  The Department of Cardiac Surgery – London Health Science Centre
  Lecture: TEE Video Review No. 4
  June 11, 2008

• Cardiac Surgery Resident Seminar Teaching
  The Department of Cardiac Surgery – London Health Science Centre
  Lecture: TEE Video Review No. 5
  June 25, 2008

Dr. Lois Champion

• Coordinator
  Junior ICU Residents
  University Hospital

• Course Chair
  Community Health (Year 1 Undergraduate Medical Education)
  Community Health (Year 2 Undergraduate Medical Education)
  Emergency Care Course (Year 2 Undergraduate Medical Education)
  Considerations of the Legal, Ethical and Organizational Aspects of Medicine (Year 4 Undergraduate Medical Education)

• Course Lecturer
  Lectures in the Following Courses in Undergraduate Medicine
  Epidemiology (Year 1)
  Health Care Systems (Year 2)
  Cardiovascular Course (Cardiovascular Pharmacology and Physiology, Year 1)
  Considerations of the Legal, Ethical and Organizational Aspects of Medicine (Year 4)
  Emergency Care (Year 4)

• Faculty Development
  Beyond the Lecture - Two Day Teaching Course
  Reviewing Multiple Choice Questions (Faculty Development Half Day)

• Simulator
  Facilitator for Simulation for Junior Residents in Intensive Care
  Coordinator for Year 1 Consolidation Week (Year 1 Undergraduate Medical Education Simulation Modules)
  Resuscitation Course (Year 4 Medicine Facilitator for Simulation Experience)
**Dr. Steven Dain**
- Departmental Site Specific Rounds (University Hospital)
  Epidural Hematoma
  May 28, 2008
- Departmental Site Specific Rounds (University Hospital)
  What’s New in Anesthesia Technology?
  February 6, 2008

**Dr. Achal Dhir**
- Departmental TEE Rounds Presenter
  TEE 2-D Comprehensive Examination
  August 8, 2007
- Departmental Q A Rounds Presenter
  Good Health & Graceful Aging – by Choice, Not by Chance
- Liver Transplantation Educational Activities
  Coordinator, Liver Transplant Anesthesia Fellows’ Seminars
  September 27, 2007 (Reperfusion Syndrome)
  November 15, 2007 (Cardiovascular System and ESLD)
  December 2007 (Aprotinin Update and Alternative Strategies in Liver Transplantation)
- Resident Teaching
  Resident Seminar, Muscle Relaxants
  October 17, 2007
- TEE Lectures
- Anesthesia Residents
  Assessment of the Aortic Valve
  August 9, 2007
- Comprehensive TEE Examination
  November 15, 2007
- Comprehensive TEE Examination
  June 5, 2008
- Cardiac Surgery Residents
  Comprehensive 2-D Exam
  February 6, 2008
- Assessment of the Aortic Valve
  March 12, 2008
• Medical Student Teaching
  3 Hour Lecture for M4 on Anesthesiology Review for
  LMCC Exam Preparation
  April 2, 2008
• M3 Seminars on Preanesthetic Evaluation and Preparation
  August 7, 2007
  November 6, 2007
  January 8, 2008
  May 6, 2008
• OR, PACU & PAC Nurses Teaching (In-Service)
  OR Nurses’ Orientation Lecture: ABC – Anesthesia Basics for Circulating Nurses
  August 22, 2007
  PACU and PAC Lecture: Good Health & Graceful Aging – by Choice, Not by Chance
  November 7, 2007
  OR Nurses and Other Staff Lecture: Good Health & Graceful Aging – by Choice,
  Not by Chance
  December 12, 2007
  PACU Lecture: Good Health & Graceful Aging – by Choice, Not by Chance
  January 23, 2008
  PAC Nurses’ In-Service, Good Health & Graceful Aging – by Choice, Not by Chance
  February 6, 2008
• RT Students’ Teaching
  RT Students’ Annual Day Lecture
  October 19, 2007
• Overview of Anesthesiology
  RT Students Lecture/Demonstration
  Assessment of the Airway
  November 14, 2007
• RT Students Lecture/Demonstration
  Assessment of the Airway
  May 5, 2008
• Interactive Sessions with RT Students every Tuesday
  Drugs in Anesthesia and Airway
Dr. Shalini Dhir
- Complications of Brachial Plexus Block for Anesthesia Residents
  November 2007
- PACU Nurses In-Service Session
  Anesthesia Basics for Nursing Profession
  April 2008

Dr. John Fuller
- University of Western Ontario Faculty Development Workshop
  Writing Effective Remediation Plans
  April 2008

Dr. Ivan Iglesias
- PCCIA Program Tutor, Meds 1, Trimester 1 2007/8
- PCCIA Program Tutor, Meds 1, Trimester 2 2007/8
- PCL Program Tutor, Meds 2, Trimester 2 2007/8
- Resuscitation Medicine Class, Meds 4
  January through April 2008
- Intraoperative Echocardiography Review Rounds for Cardiac Anesthesia Fellows
  Mondays and Tuesdays every week
- Intraoperative Echocardiography Review Rounds for Anesthesia Residents
  Thursdays every week
- Examiner - Medical Council of Canada Qualifying Exam II
  October 2007
- Interviewer for Candidates for Admission to The University of Western Ontario
  Schulich School of Medicine & Dentistry
  March 2008
- Meds 3, Airway Assessment and Management

Dr. Ian McConachie
- Southwestern Ontario Airway Workshop
  Gum Elastic Bougies
  October 2007
- Resident Mentor
  2007
- Examiner
  Medical Student OSCEs
  January 2008
• Perioperative Grand Rounds
  NSAIDs and Orthopedics – If It Ain’t Broke, Don’t Fix It
  January 2008
• Year 1 Medical Student PCCIA Sessions
  January 2008 - May 2008
• Resident Core Seminars
• PACU Nurses In-Service Session
  PONV
• Presenter and Coorganizer
  St. Joseph’s Health Care London
  Resident Thursday AM Teaching

Dr. Patricia Morley-Forster
• Complex Regional Pain Syndrome
  Hand Therapists’ Association of Southwestern Ontario
  October 2007
• Intravenous Local Anesthetic Infusions for Chronic Neuropathic Pain
  Breakfast and Learn Session, St. Joseph’s Health Care London Pain Clinic Team
  November 2007
• Topical Analgesics, An Idea Whose Time Has Come
  University of Western Ontario, Interdisciplinary Pain Program Rounds
  November 2007
• The Transition From Acute Pain to Chronic Pain
  Family Medicine PGY 2 Residents’ Academic Half Day
  London, Ontario
  November 2007

Dr. John Murkin
• Western Cardiovascular Update – Evolution & Revolution
  London, Ontario
  May 31, 2008
• Didactic Lecture - Combined Cardiac Anesthesia & Cardiac Surgery
  University Hospital Site Specific Rounds
• London Health Sciences Centre
  Lecture: Postoperative Seizures in Cardiac Surgery Patients
  April 30, 2008
• Didactic Lecture - Site Specific Rounds
  Department of Anesthesia and Perioperative Medicine
  London Health Sciences Centre
• Case Presentation, Cerebral Oximetry, Tissue Perfusion and Outcomes in Cardiac and Neurosurgical Patients
  Study Updates
  August 30, 2007

Dr. Craig Railton
• Medical Student Lectures
  Sedation
• Resident Lectures Anesthesia
  Inhaled Anesthetic Agents
  Local Anesthetics
  Vasopressors and Vasodilators
• Resident Lectures
  Internal Medicine
  Perioperative Renin Angiotensin Use
• Fellow Lectures
  Clinical Pharmacology
  Sedation
  Inhaled Anesthetics

Dr. Michael Sharpe
• Department of Medicine ICU Rounds
  Mycoplasma Pneumonia
  August 28, 2007
• ICU Rounds, London Health Sciences Centre - University Hospital
  The Use of MARS Therapy for Hepatic Encephalopathy, A Case Report
  August 28, 2007
• Department of Nuclear Medicine Grand Rounds
  End-of-Life Care, Case Presentation
  September 18, 2007
• Critical Care Grand Rounds, London Health Sciences Centre - University Hospital
  DCD-Case Presentation and Current Results
  May 30, 2008
• Undergraduate Student Supervision
  Corinne Davies-Schinkel, Neuroscience Coop Degree Program
  Brock University Students
• Postgraduate Education Examiner
  MSc, Daniel W Vockeroth, Department of Physiology, University of Western Ontario
  Thesis, The Physiologic and Biophysical Consequences of Surfactant Alterations in Ventilator Induced Lung Injury
  PhD, Graham Fraser, Department of Medical Biophysics
  University of Western Ontario
  Thesis, Microcirculatory Dysfunction of Sepsis
  MSc, Alexander Aspros, Department of Physiology, University of Western Ontario
  Thesis, Evaluation of the Combination of High Frequency Oscillatory Ventilation and Surfactant Treatment in an Acid Induced Lung Injury in the Rat

Dr. Indu Singh
• Anesthesia Residents
  Neuraxial Anesthesia, Comfortably Numb
  October 24, 2007
• MEDS 1
  Management of Upper Airway Obstruction
  January 29, 2008
• Anesthesia Residents
  Anesthesia for Obstetric Emergencies
  February 20, 2008
• Anesthesia Residents
  Current Research in Obstetric Anesthesia
  February 20, 2008
• Medical Students
  Airway Workshop Instructor
  January 29, 2008
• MORE OB Workshop
  Management of Seizures in the Parturient
  June 3 and 10, 2008
• MORE OB OSCE
  A Parturient Having a Seizure
  June 3 and 10, 2008
• Anesthesia Residents
  Management of PDPH in the Obstetric Patient
  May 8, 2008
• OR Nurses
  General Anesthesia, The ABCs
  May 20, 2008
Dr. Sal Spadafora
- Ethics & Communication Course for PGY2 Residents
  Truth Telling and Consent & Capacity
  July 9, 2007
- Disclosure and Substitute Decision Making
  July 16, 2007
- Confidentiality and Conflict of Interest
  August 13, 2007
- Surgical Competence and End of Life
  August 20, 2007
- Resource Allocation and Research Ethics
  August 27, 2007

Dr. Timothy Turkstra
- Instructor and Course Organizer
  Southwestern Ontario Anesthesia Airway Conference
  University of Western Ontario
  Instruction and Supervision of Novel Techniques
- Coordinator, Department Journal Club
- Coordinator, Anesthesia Question of the Week
- Instructor, Friday Morning Resident Case Rounds
- Anesthesia Resident Teaching Rounds,
  Pharmacology and Physiology Primer
  October 2007
- Anesthesia Resident Teaching Rounds
  Anesthesia for Neurovascular Anesthesia
  February 2007
- Mock Oral Examiner for Final Year Residents
- Lecturer for Anesthesia Resident Education Half Days
- Anesthesia for Neurovascular Anesthesia
- Anesthesia for Awake Craniotomy
- Instructor, Site Specific Anesthesia Resident Rounds
Fellowship Training
Dr. Robert Banner
- Editorial Board of the Journal of Complementary and Integrative Medicine
- Reviewer for the Canadian Journal of Anesthesia and Canadian Family Physician

Dr. Lois Champion
- The University of Western Ontario Student Council Award of Excellence for Teaching in Medicine

Dr. Davy Cheng
- 2007 Joint Medical Advisory Committee Award
  London Health Sciences Centre and St. Joseph Health Care
  London, Ontario
  (Outstanding leadership and contributions to the success of initiatives)
- 2007 Induction to Fellowship, Canadian Academy of Health Sciences (FCAHS)
  (Recognizes individuals of great accomplishment and achievement)
- 2007 Board of Trustees, International Anesthesia Research Society (IARS)
  (The elected Canadian Board Member in this oldest and most prestigious international society of anesthesiology)

Dr. Rosemary Craen
- 2007/2008 Fellow Teacher of the Year recipient

Dr. Steven Dain
- Joint CPA-COPCE Award for the Most Outstanding Continuing Education Activity in Psychiatry in Canada (community/rural)
  This award recognizes individuals or groups responsible for excellence in the planning, delivery and evaluation of a continuing education (CE) activity in psychiatry in Canada and is jointly sponsored by the Council of Psychiatric Continuing Education (COPCE) and the CPA for CE planners who work in a community or rural setting.
• Understanding Pain. A DVD and supporting web site to educate residents in training, practicing psychiatrists and other clinicians about the history of chronic pain and current management approaches. Collaborators, Dr. Harold Merskey and Dr. Laurence Jerome

Dr. Achal Dhir
• University Student’s Council Teaching Honour Roll
• Top 20% Clinical Teacher for Residents 2007-2008
• Diplomate, Perioperative Transesophageal Echocardiography awarded by National Board of Echocardiography, USA
• Certificate Teaching at the University Level, The University of Western Ontario March 2008

Dr. Sugantha Ganapathy
• Dr. Sugantha Ganapathy, Anesthetist, London Health Sciences Centre and John Syrovy, Physiotherapist, London Health Sciences Centre who, along with a team including members from St. Joseph’s Health Care London and the Southwest Community Care Access Centre, were one of the 18 finalist in this year’s Celebrating Innovations in Health Care Expo 2007 Awards.

Dr. Ivan Iglesias
• Nominee Resident Teacher of the Year
  June 2008

Dr. Ngozi Imasogie
• Dr. Imasogie has won the USC Teaching Honour Roll Award of Excellence 2007-2008 (For teaching in Medicine)

Dr. Philip Jones
• Spring 2008 Faculty Development Mini Fellowship Recipient - Fundamentals of Clinical Trials & Basic Statistics for Clinical Trials Distance Studies Courses London School of Hygiene and Tropical Medicine

Dr. Sandra Katsiris
• Resident Teacher of the Year Award (July 2007 - June 2008)
  June 2008
Dr. John Murkin
• Award Recipient, Canadian Anesthesiologists’ Society (CAS)
  2008 Research Recognition Award (June 2008) to honour a senior investigator who has sustained a major contribution in anesthesia research in Canada

Dr. Valerie Schulz
• Elsevier Membership Award for “A Presentations of Exceptional Merit”
  World Muscle Society, Sicily, Italy

Dr. Indu Singh
• Poster “Anesthetic Management of a Parturient with Marfan Syndrome”
  Singh I, Brooks C, Dobkowski W
  Received honourable mention in “Best Case Reports of the Year” session at SOAP 2007 Annual Meeting
• Poster “Anesthetic Management of a Parturient with Carcinoid Disease”
  Woo K, Imasogie N, Bruni I, Singh I
  Presented in “Best Case Reports of the Year” session at SOAP 2007 Annual Meeting
• Poster “Anesthetic Management of a Parturient with Cadasil”
  Clarke C, Singh I
  Awarded 1st prize
• Poster, Ultrasound Guided Axillary Block, Single vs Triple Injection
  Imasogie N, Ganapathy S, Singh I, Armstrong P, Armstrong K
  Presented in Top 50 Abstracts of CAS 2007

Dr. Sal Spadafora
• Canadian Association for Medical Education - Certificate of Merit
• London Health Sciences Centre Professional Staff Organization Recognition Award
• Schulich Leader in Education - Postgraduate
• The University of Western Ontario Student Council Teaching Award of Excellence

Dr. Timothy Turkstra
• 2008 Society for Airway Management Annual Meeting, Top Research Presentation
• 2007 Society for Airway Management Annual Meeting, Top Research Presentation
London Health Sciences Centre
Victoria Hospital
Faculty Participation Nationally and Internationally

Conference Chair/Moderator Organizer

Dr. Neal Badner
• Canadian Anesthesiologists’ Society Research Advisory Committee
  CAS Chair 2007

Dr. Daniel Bainbridge
• 4th Annual Southwestern Ontario Anesthesia Meeting Airway Workshop
  University of Western Ontario, London, Ontario
  Member, Organizing Committee
  October 27, 2007
• The Winter Cardiac Team Meeting 2008, Mont Tremblant, Quebec
  Member, Scientific Committee & Session Moderator
  February 14-17, 2008

Dr. Davy Cheng
• 2nd China-Canadian Anesthesia Symposium, Chinese Society of Anesthesiologists,
  Changsha, China, Canadian Organizer
  September 7-9, 2007
• The 52nd Annual Ontario Anesthesia Meeting, Niagara Falls, Ontario
  Planning Committee Member
  September 27-30, 2007
• 26th Annual Symposium, Clinical Update in Anesthesiology, Surgery and Perioperative Medicine, Acapulco Mexico
  Moderator, Cardiac Anesthesia and Surgery
  January 25, 2008
• The Winter Cardiac Team Meeting 2008, Mont Tremblant, Quebec  
  Member, Scientific Committee  
  February 14-17, 2008
• The 14th World Congress of Anesthesiologists, Cape Town, South Africa  
  Session Chair  
  March 2-7, 2008
• European Association of Cardiothoracic Surgery (EACTS), London, England  
  Steering Committee and Expert Consensus Panel Member, Thoracic Endovascular  
  Aortic Repair (TEVAR)  
  March 15-16, 2008
• 82nd IARS Congress, San Francisco, CA, USA  
  Panel Member, Publication Roulette, How to Beat the Odds  
  Judge, The Best of Meeting Abstracts Session  
  March 29-31, 2008
• Blood Management Conference, Ontario Hospital Association (OHA)  
  Planning Committee  
  April 2008
• International Society for Minimally Invasive Cardiac Surgery (ISMICS)  
  London, England  
  Steering Committee and Expert Consensus Panel Member  
  Stentless Aortic Valve Surgery  
  April 10-14, 2008
• The 1st Chinese Society of Cardiovascular & Thoracic Anesthesia Symposium  
  Meeting, Hangzhou, China  
  Scientific Organizing Committee Member  
  May 16-18, 2008

Dr. Steven Dain

• The Winter Cardiac Team Meeting 2008, Mont Tremblant, Quebec  
  Coorganizer & Scientific Committee Member and Director of Multimedia  
  February 14-17, 2008
• 52nd Annual Ontario Anesthesia Meeting, Niagara Falls, Ontario  
  Member, Planning/Organizing Committee  
  September 28-30, 2007
• 4th Annual Southwestern Ontario Anesthesia Meeting Airway Workshop  
  University of Western Ontario, London, Ontario  
  Member, Organizing Committee, Instructor Airway Workshop  
  Workshop Demonstrator  
  October 27, 2007
• Outcomes 2008, Coorganizer  
  Director of Multimedia  
  May 21-24, 2008  

• ISO Meeting, London, England  
  Chair, Subcommittee ISO TC 121/SC4 Meeting – Anesthesia Terminology  
  Participant, Committee Plenary Session – ISO TC 121 – Anesthetic & Respiratory Equipment  
  June 9-13, 2008  

Dr. Achal Dhir  
• Indian Association of Cardiovascular and Thoracic Anaesthesiologists (IACTA)  
  Annual Conference, Ahmedabad, India  
  Overseas Coordinator  
  TEE Workshop Conductor  
  Coordinator, Anesthesia Update  
  Moderator, Anesthesia for Robotic Heart Surgery  
  February 22-23, 2008  

Dr. Shalini Dhir  
• Canadian Anesthesiologists’ Society Annual Meeting, Halifax, Nova Scotia  
  Co-Chair, Regional Anesthesia Poster Discussion Session  
  June 2008  

Dr. John Fuller  
• RCPSC Involvement, Council – Elected Member  
• RAC 3, Chair  
• Fellowship Affairs Committee  
• Corporate Affairs Committee  
• Governance Review Working Group  
• ACTION Planning Committee, April 2008 Meeting  
• RCPSC Presidential Outreach Visit to The University of Western Ontario  
  Local Organizer  
  February 6-7, 2008  

Dr. Ivan Iglesias  
• Southwestern Ontario Anesthesia Meeting and Airway Workshop  
  University of Western Ontario, London, Ontario  
  Chair, Organizing Committee  
  October 14-15, 2007
• Winter Cardiac Team Meeting, Mont Tremblant, Quebec
  Organizing Committee
  Moderator, Scientific Abstracts Presentation
  Moderator, TEE Symposium
  February 15-19, 2008

**Dr. Mary Lampe**
• London Health Sciences Centre – Patient Safety Councils First Biannual Patient Safety Conference
  Organizing Committee Member and Conference Moderator
  October 24, 2007

**Dr. Ian McConachie**
• CAS Meeting, Halifax, Nova Scotia
  Organizer, Symposium on Perioperative Drug Controversies
  June 15, 2008
• CAS Meeting, Halifax, Nova Scotia
  Co-Chair, Poster Session
  June 16, 2008

**Dr. Patricia Morley-Forster**
• Hypogonadism and other endocrine side effects of opioid therapy in patients with chronic noncancer pain
  Moderator of Workshop at Canadian Pain Society Meeting
  Victoria, British Columbia
  May 2008

**Dr. John Murkin**
• The 52rd Annual Ontario Anesthesia Meeting, Niagara Falls, Ontario
  Member, Planning Committee
  September 28-30, 2007
• The Winter Cardiac Team Meeting 2008, Mont Tremblant, Quebec
  Conference Chair & Session Moderator
  February 15-17, 2008
• Outcomes 2008, The Key West Meeting - Barbados, Barbados, WI
  Conference Coorganizer
  May 21-24, 2008
Dr. Fiona Ralley
- 65th Annual Meeting of Canadian Anesthesiologists’ Society, Halifax, Nova Scotia
  Co-Chair, Poster Discussion Session, Blood Conservation
  June 2008

Dr. Michael Sharpe
- Critical Care Canada Forum, Toronto, Ontario
  Moderator, Non-Pulmonary Organ Dysfunction – the Hepato-Renal Axis
  October 31 - November 1, 2007
- Moderator, Non-Pulmonary Organ Dysfunction – the Hepato-Renal Axis
  Critical Care Canada Forum, Toronto, Canada
  October 31, 2007
- Moderator, CMAJ-CCCF Member, Critical Strategic Planning and Acute Care
  Late Breaking Session
  Critical Care Canada Forum, Toronto, Ontario
  November 1, 2007

Dr. Indu Singh
- SRTP Medical Student Research Competition
  Judge
  August 2007
- Midwest Anesthesia Residents’ Conference
  Moderator, Obstetric Anesthesia General Session
  April 5, 2008
- MAC-Western Anesthesia Resident Research Day
  Organizer and Moderator
  June 6, 2008
- CAS Annual Meeting, Halifax, Nova Scotia
  Judge, Resident Research Competition
  June 2008

Dr. Sal Spadafora
- Making a Mark Program, Banff, Alberta
  Co-Chair
  February 2008
• CAS and Section Luncheon/Section Symposium/Business Meeting
  Chair, Section on Education in Anesthesia
  Moderator, SEA CAS Annual Resident Lecture
  Moderator, Teaching on the Go, An Approach to Bedside Teaching in the Operating Room
  Judge, SEA - CAS, Poster Discussion - Education and Simulation
  June 14-16, 2008
• ACUDA Education Winter Meeting, Toronto, Ontario
  Organizer
  November 2007
• ACUDA Education Spring Meeting, Halifax, Nova Scotia
  Organizer
  June 2008

INVITED LECTURES/VISITING PROFESSORSHIPS

Dr. Neal Badner
• Making a Mark Resident Preparation, Banff, Alberta
  Lecture: Perioperative Cardiac Assessment for Patients for Non-Cardiac Surgery
  February 8, 2008
• Vascular Anesthesia Update and Preoperative Assessment of the Cardiac Patient for Non-Cardiac Surgery
  Anesthesia Alberta 2007, Jasper, Alberta
  February 16-18, 2007
• McMaster-Western Resident Research Day, London, Ontario
  Lecture: Why Do Research?
  June 6, 2008

Dr. Daniel Bainbridge
• Chinese Anesthesiology Society, Canada-China Symposium
  Lecture: Non-Cardiac Surgery Following Percutaneous Coronary Stenting
  September 2007
• TGH Perioperative TEE Symposium
  Lecture: TEE for Minimally Invasive Cardiac Surgery
  Lecture: TEE Unknowns
  November 2007
- IACTA 2008
  Lecture: Robotic Cardiac Surgery, Anesthetic Considerations
  February 2008
- The Winter Cardiac Team Meeting 2008, Mont Tremblant, Quebec
  Lecture: What’s Hot and What’s Not, A Review of Literature from 2007
  February 15-17, 2008
- Sheth K M School of Postgraduate Medicine & Research Ellis Bridge
  Ahmedabad, India
  February 22, 2008
  Lecture: 3D Echocardiography for the Ascending Aorta
  June 5, 2008

Dr. Davy Cheng
- Grand Rounds, Department of Anesthesia and Perioperative Medicine
  University Hospital – London Health Sciences Centre, The University of
  Western Ontario, London, Ontario
  Lecture: Past, Present and Future of Cardiac Anesthesia
  July 25, 2007
- Australian and New Zealand College of Anaesthetists
  Cardiothoracic, Vascular and Perfusion Special Interest Group (CVPSIG) Meeting
  Port Douglas, Queensland, Australia
  Lecture: The Past, Present and Future of Cardiac Anesthesia and Surgery
  Lecture: Controversy in Antifibrinolytic Agents, Update on BART Trial
  PBLD, Urgent CABG in Failed PCI Patients on Clopidogrel and
  Antiplatelet Agents
  September 30 - October 2, 2007
- 18th Biennial Congress of the Association of Thoracic and Cardiovascular
  Surgeons of Asia (ATCSA), Bali, Indonesia
  Lecture: The Past, Present and Future of Cardiac Anesthesia
  Cardiothoracic Anesthesia Symposium
  Lecture: OPCAB Surgery, Evidence Based Outcomes and Management in Update
  Coronary Surgery Symposium
  Lecture: The Latest Clinical Evidence of TMR in Coronary Heart Disease
  Technology in Mechanical Heart Support
  November 25-28, 2007
• Evidence Based Outcomes in OPCAB and Robotic Surgery, University of Virginia
  Lecture: The Past, Present and Future of Cardiac Anesthesia
  Charlottesville, VA, USA
  December 11-12, 2007

• Mount Sinai School of Medicine, 26th Annual Symposium
  Clinical Update in Anesthesiology, Surgery and Perioperative Medicine
  Lecture: Controversy in Antifibrinolytics, End of Aprotinin?
  Acapulco, Mexico
  January 21-23, 2008

• Cardiac Surgery Program, Queen Elizabeth Hospital, Hong Kong, China
  Lecture: Management of Cardiac Emergencies
  Lecture: Blood Conversation, Aprotinin and Factor VIIa
  Lecture: Perioperative Risk Stratification in CAD Patients
  Lecture: Management of Postop Acute Renal Failure
  Lecture: Chest Reopening & Cardiac Tamponade
  Lecture: Safe Management of Cardiac Patients for Non-Cardiac Anesthetists
  Lecture: Perfusion, Flow vs Pressure
  Lecture: Common Cardiac Ward Problems & Management
  February 11-15, 2008

• 14th World Congress of Anesthesiologists, Cape Town, South Africa
  Cardiac Lecture: Anesthesia for OPCAB Surgery
  Vascular Lecture: Does Perioperative Coronary Angioplasty Improve
  Cardiac Outcomes?
  Current Concept Lecture Series, Cardiac Anesthesia, Present and Future
  March 2-7, 2008

• IARS 82nd Congress, San Francisco, CA, USA
  Lecture: Rolling the Dice, Final Submission to the Journal
  Lecture: Controversy of Antifibrinolytic Agents in Cardiac Surgery
  March 28 - April 1, 2008

• Washington University
  Lecture: Risk Stratification and Perioperative Management, Effects of POISE Study
  St. Louis, MO, USA
  April 8, 2008

• 1st Chinese Society of Cardiovascular & Thoracic Anesthesia, Hang Zhou, China
  Lecture: Cardiac Anesthesia & Surgery, Past, Present & Future
  Lecture: OPCAB Versus CABG Surgery, Anesthesia Implications
  Lecture: Cardiac Pressure-Flow Monitoring
  May 13-19, 2008
• ISMICS Annual Scientific Meeting, Boston, MA, USA  
  Lecture: Consensus Conference Statement – Stentless and Stent Valve  
  June 10-13, 2008

Dr. Rosemary Craen  
• Primer Congreso de Anestesiologia y tercer Encuentro de Egresados  
  Universidad de Antioquia, Medellín, Colombia  
  Lecture: Anesthesia for Neuroendoscopy  
  September 2007
• Chinese Society of Anesthesiology Annual Meeting, Changsha, China  
  Lecture: Recent Advances in Neuroanesthesia  
  September 2007
• Making the Mark, Banff, Alberta  
  Lecture: Essential Neuroanesthesia  
  February 9, 2008

Dr. Steven Dain  
• 52nd Annual Ontario Anesthesia Meeting, Niagara Falls, Ontario  
  Lecture: Tech Toys, New Equipment Worth a Look  
  September 28-30, 2007
• CME Presentation, Windsor, Ontario  
  Lecture: What’s New In Fluid Management  
  November 14, 2007
• CME Presentation, Kitchener, Ontario  
  What’s New In Fluid Management  
  December 4, 2007
• The Society for Technology in Anesthesia 2008 & Computers in Anesthesia 28th Annual Meeting, San Diego, CA, USA  
  January 16, 2008

Dr. Achal Dhir  
• Perioperative Nurses’ Conference, London, Ontario  
  Lecture: Safety First  
  April 5, 2007
• Department of Anesthesia, Kasturba Medical College, Manipal, India  
  Lecture: Anesthesia for Liver Transplantation, Challenges and Special Considerations  
  July 14, 2007
• Anesthesia Department, KG Medical College and Hospital, Manipal, India
  Lecture: Health Awareness in the Medical Community
  February 12, 2008
• IACTA, India
  Lecturer, Diastolic Dysfunction
  TEE Workshop, Comprehensive 2-D TEE Examination
  TEE Workshop, Interesting Cases
  February 22, 2008

Dr. Shalini Dhir
• 4th Biannual Ultrasound Guided Regional Anesthesia Workshop
  Complications of Regional Anesthesia, University of Texas, Houston, TX, USA
  July 2007
• Varkey Continuous Catheter Regional Anesthesia and Anatomy Workshop
  Continuous Peripheral Nerve Blocks, University of Western Ontario
  London, Ontario
  December 2007
• Department of Anesthesia, University of Manipal, India
  Lecture: Obstetric Anesthesia & Anelgesia, Recent Advances
  February 2008

Dr. Sugantha Ganapathy
• Bi-Annual Ultrasound Guided Regional Anesthesia 2007 Workshop, M. D. Anderson
  Cancer Center, University of Texas, Houston, TX, USA
  Lecture: Sonoanatomy of the Lowerlimb, with Live Demonstration on a Volunteer
  July 2007
• China - Canada Anesthesia Symposium at the Chinese Society of Anesthesia
  Annual Meeting, Changsha, China
  Lecture: Recent Advances in Regional Anesthesia and Pain Management
  Workshop, Ultrasound and Regional Anesthesia
  September 2007
• Canadian Anesthesiologists’ Society, Atlantic Divisional Meeting
  Lecture: Ultrasound Guided Regional Anesthesia of the Lower Limb
  September 21, 2007
• PreASA OAPRS Meeting
  Lecture: Ultrasonography Should be the Standard of Care for Regional Blocks
  October 2007
- Advanced Ultrasound Course, Saphenous, Obturator, TAPB and Fascia Iliaca Blocks, Toronto Western Hospital, University of Toronto, Toronto, Ontario Invited Lecturer/Participant
  January 11, 2008
- ISURA Annual Meeting, Ilioinguinal and Transversus Abdominis Plane Block Lecturer, Recent Publications in Ultrasound and Regional Anesthesia Literature Review
  April 22, 2008
- Michigan Society of Anesthesiologists Annual Meeting
  Lecture: Ultrasound for Regional Anesthesia
  May 17, 2008
- Sunnybrook Health Sciences Centre, University of Toronto, Toronto, Ontario
  Lecture: Orthopaedic Pain Management Using Periarticular Infiltration and Infusion
  January 25, 2008

Dr. Sandra Katsiris
- Can-Am Annual Meeting, Niagara Falls, Ontario
  June 2008

Dr. Ian McConachie
- Southwestern Ontario Airway Workshop, University of Western Ontario
  London, Ontario
  Lecture: Airway and Ventilation in Cardiac Arrest
  October 2007
- Day Case Anaesthesia Conference, Wrightington Hospital, Lancashire, UK
  Lecture: Maximizing Efficiency in Ambulatory Anesthesia
  April 4, 2008
- Canadian Anesthesiologists’ Society Meeting - Halifax, Nova Scotia
  Lecture: NSAIDs and the Orthopedic Patient
  June 15, 2008
- Hand Therapists’ Association of Southwestern Ontario
  Lecture: Complex Regional Pain Syndrome
  October 2007
• St. Joseph’s Health Care London Pain Clinic Team
  Lecture: Intravenous Local Anesthetic Infusions for Chronic Neuropathic Pain
  November 2007
• The University of Western Ontario Interdisciplinary Pain Program Rounds
  Lecture: Topical Analgesics, An Idea Whose Time Has Come
  November 2007
• Family Medicine PGY 2 Residents’ Academic Half Day
  The University of Western Ontario, London, Ontario
  Lecture: The Transition from Acute Pain to Chronic Pain
  November 2007
• Canadian Anesthesiologists’ Society Meeting, Halifax, Nova Scotia
  Lecture: Perioperative Management of the Opiate-Tolerant Patient
  June 2008

Dr. John Murkin
• Grand Rounds Presentation, Phoenix, AZ, USA
  Lecture: Safety & Efficacy of Pharmacotherapeutic Interventions for Blood
  Management in CABG Surgery
  July 10-11, 2007
• CME Symposium, Contemporary CABG, Guidelines & Strategies for Improved
  Outcomes, Seattle, WA, USA
  Lecture: Assessing & Attenuating Neurologic Risk in Cardiac Surgery
  July 14, 2007
• Grand Rounds, Faculty Dinner & Resident Seminars & PBLD
  Oregon Health Sciences/Portland University, Portland, OR, USA
  GR Lecture: SCA/STS Blood Management, Guidelines and BART Trial Update
  PBL Lecture: Intraoperative Aortic Dissection
  August 20, 2007
• The 52nd Annual Ontario Anesthesia Meeting, Niagara Falls, Ontario
  Lecture: Cerebral Oximetry, Yes or No
  September 28-30, 2007
• Evening Educational Program, Coral Gables, FL, USA
  Lecture: Cerebral Oximetry Improves Central Nervous System & Systemic
  Outcomes in Cardiac Surgery
  January 28, 2008
• Cedars Sinai, Los Angeles, CA, USA
  Lecture: Cerebral Oximetry in Cardiac Surgery
  January 28-29, 2008
- NIRS and the Adult Cardiovascular Patient, Paris, France
  Lecture: The Brain as an Index Organ, Result of a Randomized Blinded Study
  February 4-5, 2008
- The Winter Cardiac Team Meeting 2008, Mont Tremblant, Quebec
  Lecture: Evidence Based Review of Neuromonitoring & Best Practice Bypass
  February 15-17, 2008
- Cardiovascular & Thoracic Anesthesia Seminar, Kapama Game Reserve,
  South Africa
  Lecture: Is Cerebral Monitoring Necessary for Cardiac Surgery?
  Lecture: Preventing Neurological Damage After Cardiac Surgery
  February 24-28, 2008
- Grand Rounds Presentation & OR Proctoring, North Shore University Hospital
  New York, NY, USA
  Lecture: Cerebral Oximetry and Systemic Outcomes
  March 10-11, 2008
- 5th International Course on Extracorporeal Perfusion Technologies, Milan, Italy
  Lecture: Antifibrinolytic Agents and What We Actually Know About Cerebral
  Complications & Brain Function Monitoring in Adult Cardiac Operations
  April 10-12, 2008
- Grand Rounds Presentation, The Western Pennsylvania Hospital
  Pittsburgh, PA, USA
  Lecture: Cerebral Oximetry Improves CNS and Systematic Outcomes in
  Cardiac Surgery
  April 23, 2008
- Outcomes 2008, The Key West Meeting - Barbados, Barbados, WI
  Lecture: Cerebral Oximetry: An Evolving Standard for Selective Cerebral
  Perfusion? and The BART trial, Lessons Learned in Antifibrinolytic Therapy
  May 21-24, 2008
- Tennessee Perfusion Society Annual Meeting, Knoxville, TN, USA
  Lecture: NIRS as a Monitor of Perfusion During CPB
  June 10-11, 2008

Dr. Craig Railton
- Canadian Anesthesiologists’ Society Annual Meeting, Halifax, Nova Scotia
  Lecture: Perioperative Renin-Angiotensin System Blockade and Anesthesia
  June 13-17, 2008
Dr. Fiona Ralley
- Ontario Transfusion Coordinators Meeting, Toronto, Ontario
  Lecture: Erythropoietin, Friend or Foe?
  January 22, 2008
- Ontario Transfusion Committee Forum, Toronto, Ontario
  Lecture: Challenges and Successes of a Citywide Blood Transfusion Committee in a Large Teaching Hospital
  March 31, 2008
- Multidisciplinary Grand Rounds, Department of Anesthesia and Perioperative Medicine and Department of Cardiac Surgery, London Health Sciences Centre University Hospital
  London, Ontario
  Lecture: Recombinant Factor VIIa in Cardiac Surgery, Uses and Abuses
  April 3, 2008
- Ortho-Biotech Internal Partners Meeting, Toronto, Ontario
  Lecture: Perioperative Blood Conservation, A Primer
  May 6, 2008
- Multidisciplinary Grand Rounds, Trillium Health Centre, Oakville, Ontario
  Lecture: Bloodless Medicine: The Power to Conserve
  May 21, 2008

Dr. Michael Sharpe
- Trillium Gift of Life Provincial Clinical Coordinators, Teleconference Lecture, London, Ontario
  Neurological Determination of Death and New Ancillary Testing Guidelines
  August 27, 2007
- Critical Care Canada Forum, Toronto, Ontario
  Lecture: Molecular Absorbent Recirculation System (MARS) Therapy
  October 31, 2007
- Saudi Critical Care Society Journal Club, Riyadh, Saudi Arabia
  Lecture: Continuous EEG Monitoring in the ICU.
  November 2007
- King Faisal Specialist Hospital and Research Centre Grand Rounds
  Riyadh, Saudi Arabia
  Lecture: Microcirculatory Dysfunction of Sepsis
  November 26, 2007
• Jeddah ICU Journal Club, Jeddah, Saudi Arabia
  Lecture: Continuous EEG Monitoring in the ICU
  Lecture: Microcirculatory Dysfunction of Sepsis
  November 27, 2007
• King Khalid National Guard Hospital Grand Rounds
  Jeddah, Saudi Arabia
  Lecture: Continuous EEG Monitoring in the ICU
  November 28, 2007

Dr. Indu Singh
• BHU Department of Anesthesia, Regional Anesthesia Workshop 2008
  Lecture: Ultrasound Guided Peripheral Nerve Blocks, Not Just a Fad
  Instructor, Ultrasound Guided Brachial Plexus Nerve Blocks
  Instructor, Ultrasound Guided Lower Limb Nerve Blocks
  Instructor, Ultrasound Guided Central Line Placement
  January 5, 2008
• AFMC Annual Meeting
  Presentation, The CanMEDS Roles? Residents’ Perceptions of These Roles
  May 6, 2008

BOARDS/COMMITTEES/OTHER

Dr. Robert Banner
• Editorial Board of the Journal of Complementary and Integrative Medicine and
  Reviewer for the Canadian Journal of Anesthesia and Canadian Family Physician

Dr. Neal Badner
• Board Member, Canadian Anesthesia Research Foundation
• Member, End Point Adjudication Committee for the ENIGMA II Study

Dr. Lois Champion
• Member, Ontario Consent and Capacity Board

Dr. Davy Cheng
• International Anesthesia Research Society (IARS), San Francisco, CA, USA
  Teaching Awards Committee and Research Award Committee
  March 28 - April 1, 2008
• International Anesthesia Research Society (IARS)
  Board of Trustees
  Scientific Program Committee
• International Committee, Society of Cardiovascular Anesthesiologists (SCA)
• Editor-in-Chief Selection Committee, Canadian Journal of Anesthesia
• Society for the Advancement of Blood Management (SABM)
  Board of Directors
  Chair, Bylaws Task Force
  Communications Committee Member
  Co-Editor, Newsletter
• Member, Council on Cardiovascular Surgery & Anesthesia
  Council on Cardiopulmonary, Perioperative & Critical Care
• Member, American Stroke Association and American Heart Association
• Secretary-Treasurer, Association of Canadian University Departments of Anesthesia (ACUDA)
• Member, Safety and Monitoring Committee, Multicenters POISE Trial
• Executive Committee, Cardiovascular & Thoracic Section, Canadian Anesthesiologists’ Society
• Executive Committee Member of Schulich Council,
  The University of Western Ontario
• Selection Committee, Chair/Chief Department of Surgery, Schulich School of Medicine & Dentistry, The University of Western Ontario
• Advisory Committee on Assessment of Associate Dean, Admissions and Student Affairs, Schulich School of Medicine & Dentistry, The University of Western Ontario
• Advisory Committee on Assessment of Associate Dean, Equity and Gender Issues, and Faculty Health, Schulich School of Medicine & Dentistry, The University of Western Ontario
• Member, Medical Advisory Executive Committee, London Health Sciences Centre
• Anesthesia Care Team Evaluation Panel, Ministry of Health and Long-Term Care (MOHLTC)
• Education Committee Member, Canadian Surgical Technologies & Advanced Robotics (CSTAR)
• Member, Southwest Local Health Integrated Network Health Human Resources Advisory Group
• Member, Ontario Blood Advisory Committee to the Ministry of Health and Long-Term Care (MOHLTC)
• Editorial Board, Seminars in Cardiothoracic and Vascular Anesthesia
• Editorial Board, Innovations, Technology and Techniques in Cardiothoracic and Vascular Surgery
  Official Journal of the International Society for Minimally Invasive Cardiac Surgeons (ISMICS)
• Editorial Board, Canadian Journal of Anesthesia
• Editorial Board, Journal of Cardiothoracic & Vascular Anesthesia
• Guest Editor, Anesthesiology Clinics

Dr. Steven Dain
• Chair, Standards Council of Canada, CAC/ISO - Canadian Advisory Committees for the International Organization for Standardization Technical Committee 121 Anesthesia Equipment
• Chair, Technical Committee z251 on Anesthetic Equipment, Respiratory Technology & Critical Care Equipment
• Member, CSC/IEC - Canadian Sub Committees for the International Electrotechnical Commission CSC/IEC/SC62A - Common Aspects of Electrical Equipment Used in Medical Practise - Participating Status
• Member, Canadian Patient Safety Institute Innovation Committee
• Member, Canadian Anesthesiologists’ Society Standards of Care Committee
• Member, Canadian Standards Association Healthcare Technology Steering Committee
• Member, Canadian Standards Association TSC z257.10/ on Guidelines for Design and Construction of Canadian Health Care Facilities (Internal Committees)
• Canadian Head of Delegation to ISO Technical Committee 121
• Chair, ISO Technical Committee 121 Subcommittee 4 Anesthesia Vocabulary
• Member, International Organization for Terminology in Anesthesia
• Member, Patient Identification Committee
• Member, Citywide Acute Pain Management Committee
• Member, Citywide Wireless and Cell Phone Use Committee

Dr. Achal Dhir
• Secretary and Founding Member, Transplant Anesthesia Interest Group, Canadian Anesthesiologists’ Society

Dr. Sugantha Ganapathy
• Member of the Steering Committee of the Southwestern Local Health Integration Network
**Dr. Ivan Iglesias**
- Examiner, Medical Council of Canada Qualifying Exam II  
  October 2007  
- Academic Pain Clinic Directors of Canada (Elected Position)  
  Chair  
  2005-2009  
- Canadian Pain Society Executive (Invited Position)  
  2006-2009  
- Task Force for Royal College Accreditation of Pain Medicine as a Subspecialty  
  Chair  
  2007-2009  
- Executive of Chronic Pain Section of Ontario Medical Association  
  Elected  
  May 2008

**Dr. Michael Sharpe**
- Interim Nominating Committee, Royal College of Physicians and Surgeons of Canada  
  Chair  
- Member, Critical Care Advisory Board, Trillium Gift of Life Network  
- Critical Care Local Health Integration Network Leader for Local Health Integration Network (Southwest), Province of Ontario Critical Care Strategy, Ministry of Health and Long-Term Care  
- Member, Critical Strategic Planning and Advisory Committee, Province of Ontario Critical Care Strategy  
- Area Representative, Region 3, Division of Medicine, Royal College of Physicians and Surgeons of Canada  
- Member of Council, Royal College of Physicians and Surgeons of Canada  
- Member, Governance Review Committee, Royal College of Physicians and Surgeons of Canada  
- Journal Reviewer, Anesthesia and Analgesia, CMAJ, J Clinical Anesthesia  
- Examiner, Qualifying Examination Part II, Medical Council of Canada  
- Promotion Review for University of Toronto, Department of Anesthesia
Dr. Sal Spadafora
• Member, Royal College Accreditation Committee
• Member, Royal College Specialty Committee in Anesthesiology
• ACUDA Education Representative
• ACUDA Management Committee
• ACUDA Education Committee

Dr. Tim Turkstra
• National Curriculum Interest Committee – The University of Western Ontario

Dr. James Watson
• CPSO Assessor
PEER REVIEWED PUBLICATIONS

  Predicting Outcome After Traumatic Brain Injury, Practical Prognostic Models Based on Large Cohort of International Patients

• Armstrong K, Laschinger H, Wong C
  Workplace Empowerment and Magnet Hospital Characteristics as Predictors of Patient Safety Climate
  J Nurs Care Qual. 2008 Jun 3

  POISE Study Group – Badner N
  Effects of Extended-Release Metoprolol Succinate in Patients Undergoing Non-Cardiac Surgery (POISE Trial), A Randomized Controlled Trial

• Guiraudon GM, Jones DL, Bainbridge D, Peters TM
  Mitral Valve Implantation Using Off-Pump Closed Beating Intracardiac Surgery, A Feasibility Study

• Suematsu Y, Kiaii B, Bainbridge D, del Nido PJ, Novick RJ
  Robotic-Assisted Closure of Atrial Septal Defect Under Real-Time Three-Dimensional Echo Guide, In Vitro Study

• Khalifah N, Bainbridge D, Lownie S, Quantz M, Craen R
  The Use of Near-Infrared Spectroscopy (NIRS) in Surgical Clipping of Giant Cerebral Aneurysm
• Novick RJ, Fox SA, Stitt LW, Butler R, Kroh M, Hurlock-Chorostecki C, Harris C, Cheng DC
Impact of the Opening of a Specialized Cardiac Surgery Recovery Unit on Postoperative Outcomes in an Academic Health Sciences Centre
Can J Anesth. 2007 Sep;54(9):737-43

• Dunning J, Martin JE, Shennib H, Cheng DC
Is it Safe to Cover the Left Subclavian Artery When Placing an Endovascular Stent in the Descending Thoracic Aorta?

• Karkouti K, Wijeysundera DN, Beattie WS
Reducing Bleeding in Cardiac Surgery (RBC) Investigators – Cheng D
Risk Associated with Preoperative Anemia in Cardiac Surgery, A Multicentre Cohort Study
Circulation 2008; 117(4): 478-84

Reducing Bleeding in Cardiac Surgery (RBC) Research Group
Variability and Predictability of Large-Volume Red Blood Cell Transfusion in Cardiac Surgery, A Multicentre Study
Transfusion. 2007 Nov;47(11):2081-8

• Downey R, Cheng D, Kernstine K, Stanbridge R, Waller D, Fernando H, Yim A, Martin J

Video-Assisted Thoracic Surgery in Lung Cancer Resection, A Meta-Analysis and Systematic Review of Controlled Trials

• Shaikly VR, Morrison IE, Taranissi M, Noble CV, Wilhey AD, Cherry RJ, Blois SM, Fernández N
Analysis of HLA-G in Maternal Plasma, Follicular Fluid, and Preimplantation Embryos Reveal an Asymmetric Pattern of Expression
  Does Hyperventilation Improve Operating Condition During Supratentorial Craniotomy? A Multicentre Randomized Crossover Trial

• Dain S
  Towards International Standardization of the Anesthesia Machine

• Goel S, Dhir A
  Cardiac Arrest After the Removal of a Central Venous Catheter

• Dhir S, Dhir AK
  Intraoperative Loss of Nasal Jewelry, Anesthetic Concerns and Airway Management

• Dhir S, Ganapathy S
  Use of Ultrasound Guidance and Contrast Enhancement, A Study of Continuous Infraclavicular Brachial Plexus Approach
  Acta Anaesthesiologica Scandinavica. 2008 Feb; 52(3): 338-342

• Heyland DK, Dodek P, Muscedere J, Day A, Cook D
  Canadian Critical Care Trials Group, Fuller J
  Randomized Trial of Combination Versus Monotherapy for the Empiric Treatment of Suspected Ventilator Associated Pneumonia
  Crit Care Med. 2008 Mar;36(3):737-44

• Harle CC
  Point-of-Care Platelet Function Testing
  Semin Cardiothorac Vasc Anesth. 2007 Dec;11(4):247-51

• Jones PM, Harle CC, Turkstra TP
  The GlideScope Cobalt Videolaryngoscope, A Novel Single-Use Device

• McConachie I
  Etomidate Controversies in Emergency Medicine

• Denault A, Deschamps A, Murkin JM
  A Proposed Algorithm for the Intraoperative Use of Cerebral Near-Infrared Spectroscopy
  Semin Cardiothorac Vasc Anesth. 2007 Dec;11(4):274-81
• **Murkin JM**
  Seminars in Cardiothoracic and Vascular Anesthesia
  Introduction
  Semin Cardiothorac Vasc Anesth. 2007 Dec;11(4):241

• **Colwell CW Jr, Chelly JE, Murkin JM, Stevens D, O’Keefe TJ, Hall R, Parvizi J**
  Randomized Study of Aprotinin Effect on Transfusions and Blood Loss in Primary THA
  Clin Orthop Relat Res. 2007 Dec;465:189-95I

  A Comparison of Aprotinin and Lysine Analogues in High-Risk Cardiac Surgery

• **Ralley FE**
  Programmatic Blood Conservation in Cardiac Surgery
  Cardiothorac Vasc Anesth. 2007 Dec;11(4):242-6

• **Liang BA, Smith DS**
  My Brother’s Keeper, Must a Physician Disclose Another’s Medical Error and Potential Negligence?

• **Taneja R, Fernandes P, Marwaha G, Cheng D, Bainbridge D**
  Perioperative Coagulation Management and Blood Conservation in Cardiac Surgery, A Canadian Survey

• **Turkstra TP, Harle CC, Armstrong KP, Armstrong PM, Cherry RA, Hoogstra J, Jones PM**
  The GlideScope-Specific Rigid Stylet and Standard Malleable Stylet are Equally Effective for GlideScope Use
  Can J Anesth. 2007 Nov;54(11):891-6
ABSTRACTS/CASE REPORTS

- **Armstrong P, Armstrong K**
  Abstract 474827 – Ultrasound Guided Axillary Block in a Patient with an ICD
  Canadian Journal of Anesthesia 2008; 55:474827

- **Bainbridge D, Martin J, Kim M, Cheng D**
  Sevoflurane Safety Compared to Propofol/Inhalational Agents, A Meta-Analysis of Randomized Trials
  Anesthesiology 2008; 09:A1154

- **Wang G, Bainbridge D, Martin J, Cheng D**
  Efficacy of Intraoperative Cell Saver During Cardiac Surgery, A Meta-Analysis of Randomized Trials
  Anesthesiology 2008; 109 A1434

  Evaluation of Image-Guidance as a Substitute for Direct Vision for Off-Pump Atrial Septal Defect Closure Using the Universal Cardiac Introducer®
  Presented at ISMICS 2008: June 11-14 2008; Boston, MA, USA

  Off-Pump, Atrial Septal Defect Closure Using the Universal Cardiac Introducer® (UCI). Creation and Closure of an ASD in a Porcine Model, Access and Surgical Technique
  Presented at ISMICS 2008: June 11-14 2008 Boston, MA, USA

- **Guiraudon G, Jones D, Bainbridge D, T Peters**
  Novel Comprehensive Access for Minimally-Invasive Surgery for Lone Atrial Fibrillation
  Presented at ISMICS 2008: June 11-14 2008 Boston, MA, USA

- **Badner NH, Mocon A**
  Effect of Outpatient Bowel Preparation on Preoperative Electrolytes

- **Evans G, Badner N, Nicolaou G, Smith D**
  QI Review of Three Epidural Solutions for Postoperative Analgesia
Colloids for Perioperative Plasma Volume Expansion, Systematic Review with
Meta-Analysis of Controlled Trials
2007 TATM 9:(Suppl 1);S3

• **Chan MT**, Gelb AW, **Craen RA**, et al
Jugular Bulb Venous Oxygen Saturation Following Hyperventilation During
Supratentorial Craniotomy
SNACC. ASA Annual Meeting October 2007

• **Dain S**
The Need for Interoperability of Medical Devices and the Electronic Health
Record, Extending the Reach
Presented at the COACH Canada’s Health Informatics Association Meeting
May 2008, Vancouver, British Columbia

• **Dhir S, Ganapathy S, Parkin J, Singh S, Masood A**
Local Anesthetic Dilution for Peripheral Nerve Block, Comparative Evaluation of
Saline vs 5% Dextrose, A Randomized Double Blind Clinical Trial
Canadian Anesthesiologists’ Society Annual Meeting Halifax 2008
Abstract No: 474757 and 14th World Congress of Anaesthesiologists, Cape Town,
South Africa
March 2008

• **Dhir S, Ganapathy S, Athwal GS, Lindsay P**
Ropivacaine Toxicity at Clinical Doses
Anesthesiology 2007; 107: A2033

• **Bellingham GA, Dhir AK, Luke PP**
Case Report, Retroperitoneoscopic Pheochromocytoma Removal in an Adult with
Eisenmenger’s Syndrome
Can J Anesth. 2008 May;55(5):295-301

• **Dhir S, Fuller J**
Case Report, Pregnancy in Hemodialysis-Dependent End-Stage Renal Disease,
Anesthetic Considerations
Can J Anesth. 2007 Jul;54(7):556-60

• **Granton J, Murkin JM, Chu M**
High Dose Tranexamic Acid May Be Associated with Clinical Seizures in
Cardiac Surgical Patients
Presented at the Outcomes 2008 Meeting, May 22, 2008
• **Imasogie N, Singh I, Dasgupta M, Watson J, Morley-Forster PK**
  The Effect of the Combined Use of Naloxone Infusion and Oral Tramacet on Postoperative Analgesia in Elderly Patients Having Joint Replacement Surgery, A Prospective Feasibility Study
  CAS Suppl 2007 Abstract No: 44600

• **Imasogie N, Armstrong P, Armstrong K, Singh I, Ganapathy S**
  CAS 2007 Calgary
  Brachial Plexus Block in the Axilla, Single vs Triple Injection Technique

• **Imasogie N, Singh I, Dasgupta M, Watson J, Morley-Forster PK**
  Naloxone and Tramacet Postoperative Analgesia in Elderly Patients Having Joint Replacement
  ASA 2007 Suppl Abstract No: A1168

• **Imasogie NN, Morley-Forster PK, Singh SI, Watson JT**
  Naloxone and Tramacet for Postoperative Analgesia in Elderly Patients Having Joint Replacement
  ASA Annual Meeting Abstracts, October 2007, San Francisco, CA, USA

• **Imasogie N, Singh I, Dasgupta M, Watson J, Morley-Forster PK**
  Brachial Plexus Block in the Axilla, Single vs Triple Injection Technique
  ASA 2007 San Francisco Suppl Abstract No: A1002

• **Jones PM, Turkstra TP, Armstrong KP, et al**
  Comparison of GlideScope to Macintosh Blade for Nasotracheal Intubation
  Society of Airway Management Annual Meeting, September 2007

• **Martin J, Cheng D, Duangrat T, Bainbridge, D**
  Tramadol Versus Other Opioids for Perioperative Analgesia, A Meta-Analysis Presented at the World Congress of Anaesthesiologists, Cape Town, South Africa April 2008


• **McKeough L-A, Morrison D, Paul TL, Morley-Forster PK, Summers K, Koren G, Van Uum SHM**
  Adipocytokine Levels in Patients Taking Oral Opioids for Chronic Non-Cancer Pain
  Canadian Diabetes Association/Canadian Society of Endocrinology and Metabolism Annual Meeting Abstracts; Vancouver, British Columbia October 2007
• Morrison D, McKeough L-A, Paul TL, Morley-Forster PK, Summers K, Koren G, Van Uum SHM
  Increased Leptin and tPA-1 Levels in Patients Taking Oral Opioids for Chronic Non-Cancer Pain
  ENDO 2008 Abstracts; San Francisco, CA, USA, June, P1-230, 2007
• Morrison D, McKeough L-A, Paul TL, Morley-Forster PK, Tokmakejian S, Koren G, Van Uum SHM
  Sexual Dysfunction and Decreased Bone Density in Opioid-Induced Hypogonadism in Patients of a Chronic Pain Clinic
  Canadian Endocrine Society, 2007
• Moulin DE, Morley-Forster PK, Connolly B, Guerin J, Clark AJ
  Prospective Study of the Pharmacologic Management of Chronic Neuropathic Non-Cancer Pain
  IASP Neuropathic Pain Congress, Berlin, Germany, 2007
  Sex-Specific Effects of Long-Term Oral Opioids on Hypothalamus-Pituitary-Gonadal Axis in Patients with Chronic Non-Cancer Pain
  10th International Pituitary Congress, June, 2007, Chicago, IL, USA
• McKeough LA, Paul TL, Morley-Forster PK, Tokmakejian S, Nicholson LR, Koren G, Van Uum SHM
  Adipocytokine Levels in Patients Taking Oral Opioids for Chronic Non-Cancer Pain
  Canadian Diabetes Association/Canadian Society of Endocrinology and Metabolism Annual Meeting, Vancouver, British Columbia, October, 2007
• Murkin JM, Slade H, Adams S, Dikih P, Pardy E
  Monitoring INVOS Cerebral Oximetry Significantly Decreases the Incidence of Cognitive Dysfunction in Diabetic Patients Undergoing Coronary Bypass Surgery
  Presented at the Outcomes 2008 Meeting, May 22, 2008
• Landis RC, Brown JR, Murkin JM, Grocott HP, Likosky DS, Baker RA for the International Consortium for Evidence Based Perfusion
  An Evidence Based Review Of Pharmaceutical Interventions To Limit The Systemic Inflammatory Response In Cardiac Surgery
  Presented by RC Landis at the Outcomes 2008 Meeting, May 2008
• Haljan GJ, Chan J, Sutherland AM, Murkin JM, Russell JA, Walley KR
  Serum VEGF Discharge
  Am J Respir Crit Care Med 175:A862, 2007
• Masood A, Gofton T, Railton CJ
  Headache, Diplopia Numbness, Can An Air Bubble Do All This?
  Abstract #: 475775 Canadian Anesthesiologists’ Society Annual Meeting 2008
  Halifax, Nova Scotia
  Poster Discussion #4: Obstetric Anesthesia
• Hegazy A, Ralley F, Harle CC
  Case Report, Anesthetic Management for Mitral Valve Replacement in a Transplanted Heart
  Canadian Journal of Anesthesia 2008; 55:475518
• Ralley FE, Allen P, Berta D, Quantz M
  Intraoperative Blood Conservation Techniques During CPB, Have We Reached a Plateau?
  Annual Meeting, SABM, Hollywood, CA, USA, September 2007
• Berta D, Ralley FE, Chin-Yee I, Aubin K, Hoffman E, Binns V, Cheng D
  Surgical Red Cell Utilization, Mysteries Unraveled, Implement Alternatives
  Annual Meeting SABM, Hollywood, CA, USA, September, 2007
• Novick RJ, Hewitt J, Stitt L, Fox SA, Allen P, Martin J, Berta D, Ralley FE
  Heparin is Not Heparin, Reversible Increases in Transfusion and Reoperation Rates After a Heparin Brand Name Change in Heart Surgery Patients
  CCS, Montreal, Quebec, October 2007
• Raihan S, Sharpe MD, Parsa V, Young GB, Ladak HM
  Detection of Vasospasm in Comatose Patients Using EEG Spectral Characteristics
  30th Canadian Medical & Biological Conference, Improving Medical Device Technology
  CD 2007
• Gofton TE, Young GB, Chouinard PA, Dencev A, Bihari F, Nicolle M, Lee DM, Sharpe MD, Mirsattari SM
  Functional MRI in Comatose Survivors of Cardiac Arrest Demonstrates Decreased BOLD Signal in Patients with Unfavorable Outcome
• Sharpe MD, Norton L, Davies-Schinkel C, Young GB
  Reduced Sensitivity of a Bedside 4 Channel Continuous EEG Monitor to Detect Seizures, Subhairline Montage Versus Standard Technology
• Turkstra TP, Jones PM, Armstrong KP, et al
  Comparison of GlideScope Specific Rigid Stylet to Malleable Stylet, An RCT
  Society of Airway Management Annual Meeting, September 2007
BOOKS/BOOK CHAPTERS/VIDEOS

• Cheng DC, Craig A, Ralley F
  Special Surgical Management, Cardiac Surgery
  Waters J (Editor). AABB Press, Bethesda, MD, USA Chapter 18, p 423-441, 2008

• Cheng DC, Harle CC
  Transfusion Reaction
  In Complications in Anesthesia 3rd Edition
  Lobato EB, Gravenstein N, Kirby RR (editors). Lippincott Williams & Wilkins,

• Cheng DC, Jones P
  Resource Management
  Core Topics in Cardiothoracic Critical Care
  Chapter 67, p 480-484, 2008

• Cheng DC, Bainbridge D
  Postoperative Cardiac Recovery and Outcomes
  In Essentials of Cardiac Anesthesia, Joel A. Kaplan (Editor)
  Elsevier, Philadelphia, PA, USA Chapter 26, p 629-642 2008

• Craen RA, Pellerin H
  Craniotomy for Posterior Fossa Lesions
  In Essentials of Neuroanesthesia and Neurointensive Care. Ed.

• Dhir S, Ganapathy S
  Trauma and Regional Anesthesia
  Trauma Anesthesia. Ed. Charles E. Smith; Associate Editor, John J. Como

• Dhir S, Velayutham V, Ganapathy S
  Pharmacological Management of Pain in Trauma I
  Trauma Anesthesia. Ed. Charles E. Smith; Associate Editor, John J. Como

• Morley-Forster PK
  Contributing Author
  Essence of Anesthesia and Pain Management for Medical Students
  Ed. I Hadi, A. Al-Qattan, S Balasubramanian. 2007: Kuwait City, Sultan
  Printing Industries
• Iglesias I, Murkin JM
  Central Nervous System Dysfunction After Cardiopulmonary Bypass
  In 5th Edition of Cardiac Anesthesia (Chapter 29). Joel A. Kaplan (Ed),
  Saunders Elsevier, Philadelphia PA, USA, 2007 (Oct)

• Murkin JM, Iglesias I
  Protection of the Brain During Cardiac Surgery (Chapter 22)
  In A Practical Approach to Cardiac Anesthesia 4th Edition
  Frederick A. Hensley, Jr, Donald E. Martin, Glenn P. Gravlee
  Lippincott Williams & Wilkins, Philadelphia PA, USA, 2008

NON-PEER REVIEWED PUBLICATIONS/LETTERS/EDITORIALS/REVIEWS

• Ahmad MM, Yamada K
  Hopping Rates and Concentrations of Mobile Fluoride Ions in Pb(1-x)Sn(x)F(2)
  Solid Solutions

• Kiaii B, Bainbridge D, Fernandes P
  Surgical, Anesthetic, Perfusion-Related Advances in Minimal Access Surgery

• Goel S, Kiaii B, Bainbridge D
  Anesthetic Considerations for a Steroid-Dependent High-Risk Patient Undergoing
  Minimally Invasive Cardiac Surgery

• Dain S
  Understanding Anesthesia Equipment, 5th Edition
  Jerry A. Dorsch, Susan E. Dorsch

• Dhir S
  Textbook of Regional Anesthesia and Acute Pain Management
  Ed. Admir Hazdic

• Dhir S, Ganapathy S, Lindsay P, Athwal GS
  Case Report, Ropivacaine Neurotoxicity at Clinical Doses in Interscalene
  Brachial Plexus Block
• **Dhir S, Ganapathy S, Dhir A**
  Role of Ultrasound Guidance in Regional Anesthesia

• **Harle CC**
  Point-of-Care Platelet Function Testing

• **Harle CC, Ganapathy S**
  Paravertebral Analgesia for Cardiac Surgery
  Techniques in Regional Anesthesia & Pain Management

• **Jones PM, Turkstra TP**
  Urgent Usage of Sugammadex to Treat Residual Neuromuscular Bockade
  in the PACU
  Anesth Analg. 2007 Sep;105(3):877; author reply 878

• **Morley-Forster PK**
  Tomorrow and Tomorrow and Tomorrow, Wait Times for Multidisciplinary Pain
  Clinics in Canada (Editorial)
  Can J Anesth 2007;54:1-4

• **Murkin JM, Bainbridge DT**
  Letter to the Editor
  Adequacy of Brain Oxygenation for Global Directed Therapy
  Anesth Analg 2007; Aug;105(2):538-539

• **Denault A, Deschamps A, Murkin JM**
  Anesthesiology Rounds Editorial by the Department of Anesthesiology of the
  University of Montreal, Faculty of Medicine
  Cerebral Oximetry Monitoring in Anesthesiology 2008;7(2)

• **Murkin JM**
  The Role of PAR Receptors and Serine Pertease Inhibitors in Cerebral
  Microcirculation and Ischemic Brain Injury

• **Murkin JM**
  Cerebral Autoregulation, The Role of CO₂ in Metabolic Homeostasis
  Semin Cardiothorac Vasc Anesth. 2007 Dec;11(4):269-73. Review

• **Karkouti K, Beattie WS, Crowther MA, Callum JL, Chun R, Frenes SE, Lemieux J,
  McAlister VC, Muirhead BD, Murkin JM, Nathan HJ, Wong BI, Yau TM, Yeo EL,
  Hall RI**
  The Role of Recombinant Factor VIIa in On-Pump Cardiac Surgery, Proceedings of
  the Canadian Consensus Conference
• Ralley FE
  Programmatic Blood Conservation in Cardiac Surgery
  Semin Cardiothorac Vasc Anesth. 2007 Dec;11(4):242-6
• Shemie SD, Lee D, Sharpe MD, Tampieri D, Young B
  Canadian Critical Care Society
  Brain Blood Flow in the Neurological Determination of Death, Canadian
  Expert Report
  Can J Neurol Sci. 2008 May;35(2):140-5. Review

INTERNATIONAL STANDARDS PUBLICATIONS

Dr. Steven Dain is Head of the Canadian Delegation, Organization for International Standardization (ISO Technical Committee 121 Anaesthetic and Respiratory Equipment). He is also Chairman of the Canadian Advisory Committee to ISO TC 121. He sits on numerous national and international committees related to the writing of biomedical engineering standards for medical electrical equipment, and adoption of these international standards for the Standards Council of Canada. Such standards are used by manufacturers in the design, risk management and verification of performance of medical devices and equipment and by national regulatory agencies such as Health Canada and the US FDA for licensing purposes.

International Standards Reviewed

• ISO 23747:2007 Anaesthetic and Respiratory Equipment, Peak Expiratory Flow Meters for the Assessment of Pulmonary Function in Spontaneously Breathing Humans
• ISO 81060-1:2007 Non-Invasive Sphygmomanometers, Part 1: Requirements and Test Methods for Non-Automated Measurement Type

International Standards Reviewed & Published

• EN ISO 8185 (ed. 3) Humidifiers for Medical Use
• EN ISO 17510-1 (ed. 2) Sleep Apnoea Breathing Therapy, Part 1: Sleep Apnoea Breathing Therapy Equipment
• EN ISO 17510-2 (ed. 2) Sleep Apnoea Breathing Therapy, Part 2: Masks and Application Accessories
• EN ISO 23747 Anaesthetic and Respiratory Equipment, Peak Expiratory Flow Meters for the Assessment of Pulmonary Function in Spontaneously Breathing Humans

**International Standards Written**
• IEC 60601-1-10:2007 Medical Electrical Equipment, Part 1-10: General Requirements for Basic Safety and Essential Performance
  Collateral Standard: Requirements for the Development of Physiologic Closed-Loop Controllers
• ISO 5359:2008 Low-Pressure Hose Assemblies for use with Medical Gases
PUBLICATIONS SUMMARY

Peer Reviewed Publications
Book Chapters
Abstracts
PEER REVIEWED GRANTS AND FUNDING

- Novick R (Principal Investigator), Cheng D
  Canadian Patient Safety Institute
  Project, The Effect of a Merger of a Two Site Cardiac Surgery and Cardiac
  Anesthesia Service on Patient Outcomes and Institutional Safety Culture
  $46,000
  2005-2007

- Clarke C, St Lawrence K, Morley-Forster PK, Watson J
  Neuroimaging of Lidocaine-induced Analgesia in Complex Regional Pain Syndrome
  CAS/Vitaaid-LMA Residents’ Research Award
  $5,000
  May 2008

- Clarke C, St Lawrence K, Morley-Forster PK, Watson J
  Neuroimaging of Lidocaine-induced Analgesia in Complex Regional Pain Syndrome
  Earl Russell Pain Program Trainee Research Award
  $5,000
  April 2008

- Ralley F
  Coinvestigator
  Lawson IRF Award
  Randomized Clinical Trial of Immediate Preoperative Erythropoietin on Acute
  Kidney Injury in Cardiac Patients, A Pilot Study
  $15,000
• **Taneja R (Principal Investigator), Cheng D**
  Lawson Health Research Institute, Internal Research Fund (IRF) Project
  Perioperative Cardiac Anesthesia Database
  $35,880
  2007-2008

**NON-PEER REVIEWED GRANTS AND FUNDING**

• **Moulin DE, Morley-Forster PK, et al**
  Multicentre Neuropathic Pain Database Study
  Long-term Outcome of the Pharmacologic Management of Neuropathic Pain
  $853,088 Over Three Years (Pfizer Canada)
  2007-2010

• **Murkin J (Site Principal Investigator)**
  Multicentre Trial Industry Grant - Allon Therapeutics Inc
  Safety, tolerability, and the effect of a single, rising dose of intravenous Al-208,
  followed by a placebo-controlled, double-blind, parallel group evaluation of a
  single dose of Al-208, on mild cognitive impairment following coronary artery
  bypass graft surgery
  Funding contingent upon per patient enrollment
  January - August 2008

• **Murkin J (Site Principal Investigator)**
  Multicentre Trial Industry Grant - Tezosentan/R061-0612 ACETELION
  A Multicentre double-blind, randomized, placebo-controlled, parallel-group
  study to assess the efficacy, safety and tolerability of tezosentan in patients with
  preoperative pulmonary hypertension undergoing cardiac surgery
  Funding contingent upon per patient enrollment
  January - June 2008
• **Ralley F**  
  Site Principal Investigator  
  Novo-Nordisk, Canadian Registry for Off-Label use of Recombinant Factor VIIa (rFVIIa)  
  Two Year Pilot Project  
  $5,000 - 10,000 Per Year  
  January 2007 – June 2008

• **Ralley F** (Site Principal Investigator)  
  ONTraC and Ontario Government, Funding for Two Nurses  
  Chart review of utilization of allogeneic blood transfusion and alternatives to allogeneic blood transfusion in high blood loss elective surgical procedures for ONTraC off site database  
  $84,000 Per Year  
  2005 - 2010

• **Sharpe MD** (Principal Investigator), Young GB, **Butler R**  
  GE-Healthcare Technologies  
  Development of an automated, bedside EEG Classification System.  
  $128,560  
  2006-2008

• **Watling C** (Primary Investigator), **Singh I**, **Schulz V**  
  Faculty Support for Research in Education Grant  
  Engaging in the In-Training Evaluation Process, An Exploration of Faculty Perspectives at Two Sites  
  Spring 2008 (Coinvestigator) GAMES (Group for the Advocacy and Advancement of Medical/Dental Education Scholarship at UWO)  
  $11,223  
  April 2008 – April 2010
INTERNAL GRANTS AND FUNDING

- **Dhir S**
  Department of Anesthesia and Perioperative Medicine Internal Grant (LHSC)
  Local Anesthetic Dilution, Comparative Evaluation of Saline vs 5% Dextrose
  A Randomized Double Clinical Trial
  $5,500
  2008

- **Dhir S**
  Department of Anesthesia and Perioperative Medicine Internal Grant (LHSC)
  Inflammatory and Stress Response to Major Upper Limb Arthroplasty
  Role of Opioid Free Regional Anesthesia
  $10,000
  2007

- **Singh I, Dhir S**
  Department of Anesthesia and Perioperative Medicine Internal Grant (LHSC)
  Randomized Controlled Trial Examining the Effect of Small vs Large Tuohy Type Epidural Needles on the Incidence and Severity of Postdural Puncture Headache
  $10,000
  2007

- **Turkstra T**
  Department of Anesthesia and Perioperative Medicine
  University of Western Ontario New Investigator Research Award
  $1,550
  April 2008

- **Turkstra T**
  Department of Anesthesia and Perioperative Medicine
  University of Western Ontario New Investigator Research Award
  $5,000
  March 2007
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