

DEPARTMENT OF ANESTHESIA
AND PERIOPERATIVE
MEDICINE

The University of
Western Ontario



ANNUAL
REPORT

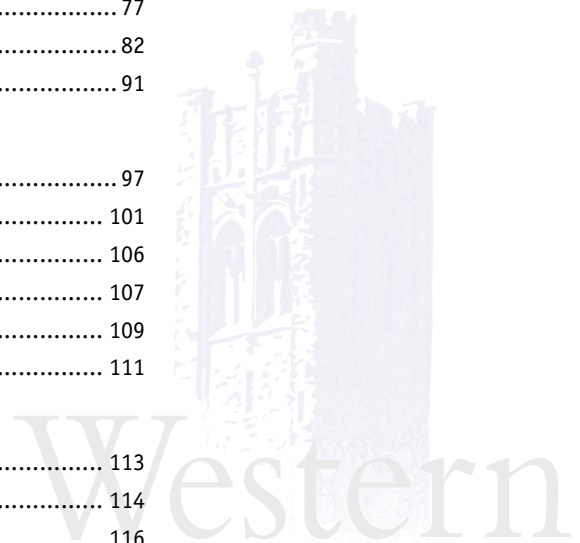
JULY 1, 2007 - JUNE 30, 2008



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CHAIR/CHIEF REPORT



Department Chair/Chief
Davy Cheng, MD, MSc, FRCPC, FCAHS

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 medical 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

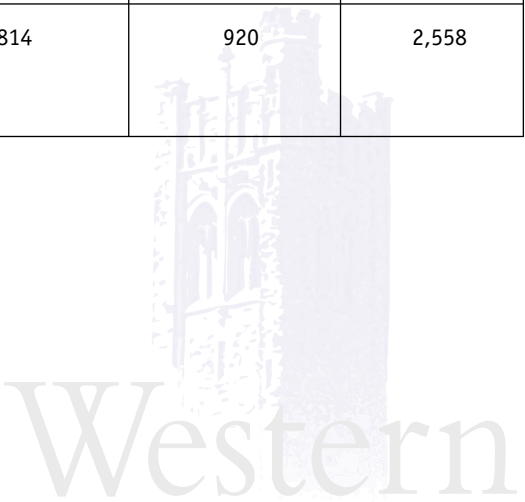
The Department is committed to enhancing academic productivity and academic resources including protected time and clinical access to research cases. The Department is ranked among the top in peer-reviewed publications in academic anesthesia departments in Canada. The investigators have been successful 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.



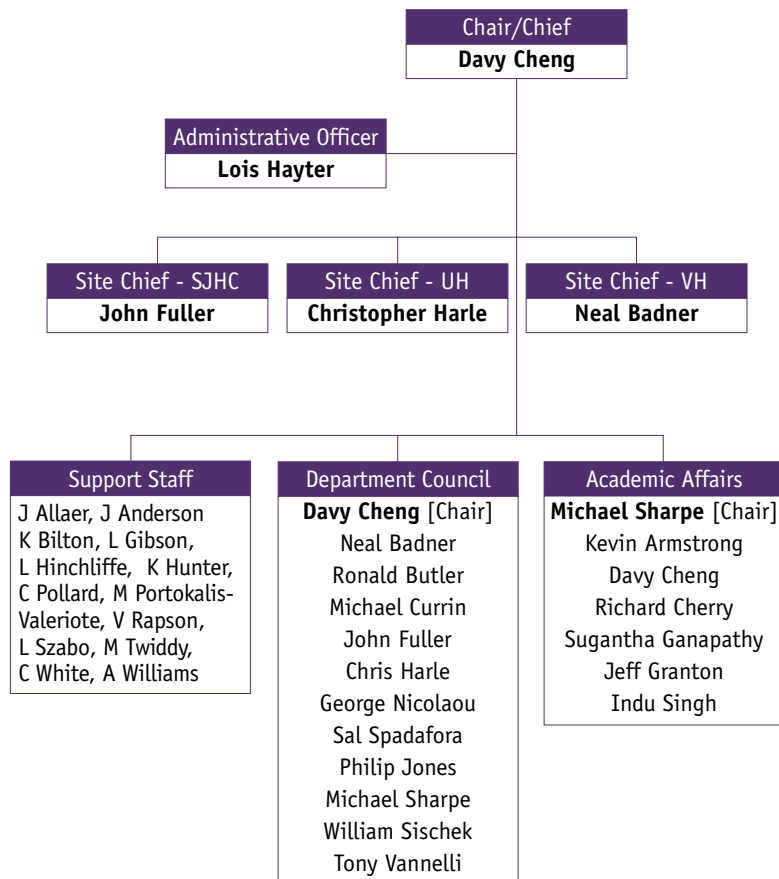
ANESTHESIA PROCEDURES AT LONDON TEACHING HOSPITALS

	Adult Surgical	Pediatrics	Obstetrical	Cardiac
St. Joseph's Health Centre	17,000	500	Deliveries 3,220 C-Sections 885 Epidurals 2,008	0
University Hospital	8,965	138	0	1,381
Victoria Hospital Peds Consults	14,443	In OR 3,400 Out of OR 1,400 1,350	Deliveries 2,690 C-Sections 563 Epidurals 1,657	0
Total	40,408	6,788	Deliveries 5,910 C-Sections 1,448 Epidurals 3,665	1,381

Major Vascular Surgery	Thoracic	Neurosurgical	Nerve Blocks		
			Epidural/Spinal	Other Regional	Pain Control
0	0	0	200	700	1,500
2	0	978	264	120	708
993	675	1	350	100	350
2	6	78			
997	681	1,057	814	920	2,558



ORGANIZATIONAL CHART



Education Programs	Academic Programs	
Undergraduate T Vannelli [Director] P Armstrong [SJHC] I Iglesias [LHSC - UH] J Hoogstra [LHSC - VH]	Acute Pain and Regional Anesthesia K Armstrong [Director] S Ganapathy [Research Director]	Liver Transplant W Dobkowski [Director]
Postgraduate S Spadafora [Director] S Katsiris [Associate Director] K Armstrong [SJHC] C Harle [LHSC - UH] R Gverzdys [LHSC - VH] I Singh [PGE Research Coordinator]	Anesthesia Care Team J Watson [Director]	Medical Informatics S Dain [Director]
Fellowship D Bainbridge [Director]	Cardiac Anesthesia D Bainbridge W Dobkowski [Co-Directors] J Murkin [Research Director]	Neuroanesthesia R Craen [Director]
Continuing Medical Education M Lampe [Director]	Chronic Pain P Morley-Forster [Director]	Obstetrics S Katsiris [Director]
Critical Event Simulation R Cherry [Director] R Butler L Champion B Church J Granton	Critical Care D Cheng [CSRU] R Butler [LHSC-UH-ICU] J Fuller [LHSC-VH-CCTC]	Palliative Medicine V Schulz
	Evidence Based Perioperative Clinical Outcomes Research D Cheng [Director] J Martin [Associate Director] D Bainbridge [Associate Director]	Pediatric Anesthesia L Coveney [Director]
		Perioperative Blood Conservation F Ralley [Director]
		PreAdmission Clinic R Bhandari [Coordinator] J Parkin [SJHC] S Dain [LHSC-UH] R Tilsworth [LHSC-VH]
		Thoracic/Vascular Anesthesia G Nicolaou [Director]



FACULTY MEMBERS

Ahmad, Mohamad

Victoria Hospital
Assistant Professor

Anderson, Ian

Victoria Hospital
Associate Professor

Arango, Miguel

University Hospital
Assistant Professor

Armstrong, Kevin

University Hospital
Associate Professor

Armstrong, Paidrig

University Hospital
Assistant Professor

Badner, Neal

Victoria Hospital
Associate Professor

Bainbridge, Daniel

University Hospital
Assistant Professor

Banner, Robert

St. Joseph's Health Care
Assistant Professor

Batohi, Pravin

University Hospital
Assistant Professor

Batorowicz, Maria

St. Joseph's Health Care
Assistant Professor

Bernadska, Ewa

St. Joseph's Health Care
Assistant Professor

Bhandari, Rakesh

University Hospital
Assistant Professor

Block, Gary

Victoria Hospital
Assistant Professor

Briskin, Alexander

Hôtel Dieu- Grace, Windsor
Assistant Professor

Butler, Ron

University Hospital
Associate Professor

Champion, Lois

University Hospital
Associate Professor

Cheng, Davy

University Hospital
Professor

Cherry, Richard

Victoria Hospital
Associate Professor

Church, Brian

Victoria Hospital
Assistant Professor

Coveney, Lynn

Victoria Hospital
Assistant Professor

Craen, Rosemary

University Hospital
Associate Professor

Cuillerier, Daniel

University Hospital
Associate Professor

Currin, Michael

St. Joseph's Health Care
Assistant Professor

Dain, Steven

University Hospital
Associate Professor

Dhir, Achal

University Hospital
Assistant Professor

Dhir, Shalini

St. Joseph's Health Care
Assistant Professor

Dobkowski, Wojciech

University Hospital
Associate Professor

Fuller, John

St. Joseph's Health Care
Associate Professor

Ganapathy, Sugantha

University Hospital
Professor

Gordon, Neil

Victoria Hospital
Assistant Professor

Granton, Jeff

University Hospital
Assistant Professor

Gros, Michelle

St. Joseph's Health Care
Assistant Professor

Gverzdys, Rooney

Victoria Hospital
Associate Professor

Harle, Christopher

University Hospital
Assistant Professor

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

Katsiris, 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

Newton, Peter

Victoria Hospital
Assistant Professor

Nicolaou, George

Victoria Hospital
Associate Professor

Ower, Katherine

Victoria Hospital
Assistant Professor

Parkin, John

St. Joseph's Health Care
Associate Professor

Rachinsky, Maxim

St. Joseph's Health Care
Assistant Professor

Railton, Craig

Victoria Hospital
Assistant Professor

Ralley, Fiona

University Hospital
Professor

Schulz, Valerie

University Hospital
Assistant Professor

Sharpe, Mike

University Hospital
Professor

Simon, Gary

Victoria Hospital
Assistant Professor

Singh, Indu

University Hospital
Associate Professor

Sischek, Bill

Victoria Hospital
Associate Professor

Smith, David

Victoria Hospital
Associate Professor

Spadafora, Sal

University Hospital
Associate Professor

St-Amand, Marc

University Hospital
Associate Professor

Taneja, Ravi

University Hospital
Assistant Professor

Teague, Kevin

Victoria Hospital
Assistant Professor

Tilsworth, Richard

Victoria Hospital
Assistant Professor

Turkstra, Tim

University Hospital
Assistant Professor

Vannelli, Tony

University Hospital
Associate Professor

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



St. Joseph's Health Care
G A Huot Surgical Centre





CLINICAL/RESEARCH FELLOWS AND RESIDENTS

FELLOWS

Alghamdi, Abdulaziz	Cardiac	Winnipeg, Canada
Duangrat, Tithiganya	Cardiac	Thailand
Espinal, Victor	Transplant	Colombia
Fang, Jieyu	Cardiac/Research	China
Hegazy, Ahmed	Cardiac/Neuro	Egypt
Khan, Javid	Neuro	England
Kumbharathi, Ravi	Cardiac	India
Mehra, Risha	Cardiac	Australia
Mykytuik, Patricia	Regional	Winnipeg, Canada
Pal, Nirvik	Cardiac	India
Sinha, Prabhat	Cardiac	India
Sridhar, Jami	Transplant	India
Turneau, Luminita	Regional	Chicago, USA
Youssef, Hesham	Cardiac	Egypt

RESIDENTS

PGY5

Al-Areibi, Arif
Al-Solu, Hani
Bellingham, Geoff
Brooks, Chris
Dashti, Abdullah
Dlacic, Alexansandra
Gilchrist, Andrew
Ligori, Tania
Katyál, 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



Al-Areibi



Al-Solu



Al-Turkistany



Antoniou



Ashcroft



Bellingham



Borger



Brooks



Bruni



Clarke



Constantinescu



Dashti



Dlacic



Dowe



Evans



Ezer



Fantillo



Fraser



Gilchrist



Goure



Hannouche



Kathirgamanathan



Katyal



Khalil



Kolesnichenko



Kruger



Lewis



Ligori



Lu



Luk



Mack



Marmai



Masood



Maxwell



McKeown



Min



Miron



Nguyen



Proctor



Quach



Rassouli



Ryan



Schwartz



Smitheram



Stothart



Tam



Tran



Tufman-Bach



Wakely



SITE CHIEF REPORTS



Site Chief
St. Joseph's Health Care London
John Fuller

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



Site Chief
University Hospital
Christopher Harle

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.

VICTORIA HOSPITAL

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.



Site Chief
Victoria Hospital
Neal Badner



CLINICAL ACADEMIC PROGRAMS



Kevin Armstrong
Program Director



Sugantha Ganapathy
Research Director

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.regionalanesthesiauwo.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 neuropathic 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.



James Watson



Daniel Bainbridge

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.



Davy Cheng

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.



Ivan Iglesias



Patricia Morley-Forster

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/>.



Ron Butler



John Fuller

CRITICAL CARE - STEP UP UNIT ST. JOSEPH'S HEALTH CARE LONDON

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.



Richard Cherry
Medical Director

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)

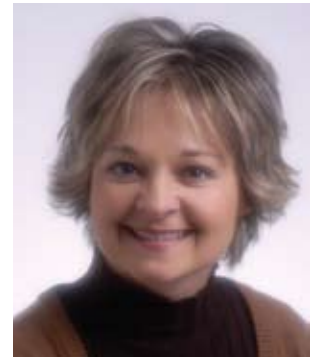
The Evidence Based Perioperative Clinical Outcomes Research (EPiCOR) Group is a multidisciplinary collaboration between Anesthesia & Perioperative Medicine, Surgery, Pharmacy, and Pharmacology whose mandate is to provide comprehensive systematic reviews, meta-analyses, and health technology assessments 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



Davy Cheng



Janet Martin



Daniel Bainbridge

- 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



Wojciech Dobkowski

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.



Steve Dain

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.



Rosemary Craen

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.



Sandra Katsiris

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.



Valerie Schulz

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.



Lynn Coveney

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



Fiona Ralley

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.



George Nicolaou

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 thoroscopic 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.



EDUCATION



Daniel Bainbridge

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-Turkistany
A Review of Hemodynamic Changes During Spinal Anesthesia for Multiple Gestational Cesarean Delivery



Sal Spadafora

- Dr. Collin Clarke
Arterial 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

Tony Vannelli

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.

Mary Lampe

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, Distrutive 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



FACULTY DIDACTIC TEACHING AND EDUCATION

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 Dhira

- 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
July 2007, October 2007, January 2008, April 2008

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



FACULTY AWARDS, CERTIFICATIONS AND RECOGNITIONS

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 Syrov, 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

- Obstetrical Anesthesia - The State of the Art in 2008
Can-Am Annual Meeting, Niagara Falls, Ontario
May 2008
- 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 Dhira

- 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 Dhira

- 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 52nd 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
Moderator, CMAJ –CCCF Acute Care Late Breaking Session
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

- SRTF 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
- EACTA ECHO 2008, London, England
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 Conservation, 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 Anestesiología 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
Lecture: Terminology? Ontology? Dictionary? Or, What's in the Name?
January 16, 2008

Dr. Achal Dhira

- 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 & Analgesia, 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
Lecture: Obstetrical Anesthesia – The State of the Art in 2008
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



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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

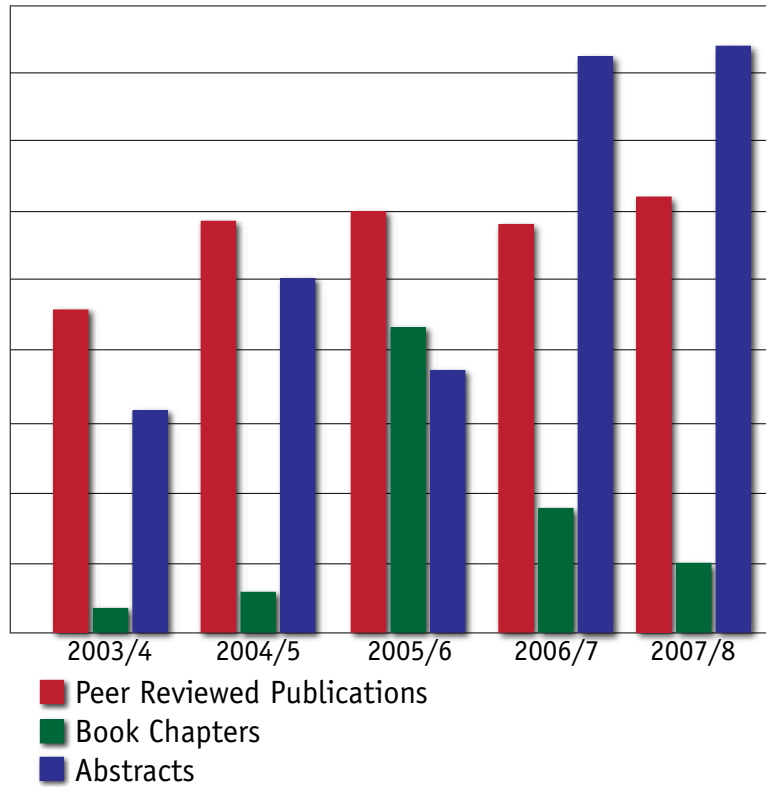
- EN ISO 8185 (ed. 3) Humidifiers for Medical Use
- EN ISO 17510-1 (ed. 2) Sleep Apnoea Breathing Therapy, Part 1: Sleep Apnoea Breathing Therapy Equipment
- EN ISO 17510-2 (ed. 2) Sleep Apnoea Breathing Therapy, Part 2: Masks and Application Accessories

- 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 8835-2:2007 Inhalational Anesthesia Systems, Part 2: Anesthetic Breathing Systems
- ISO 5359:2008 Low-Pressure Hose Assemblies for use with Medical Gases
- ISO 8835-2:2007 Inhalational Anesthesia Systems, Part 2: Anesthetic Breathing Systems
- ISO 8835-3:2007 Inhalational Anesthesia Systems, Part 3: Transfer and Receiving Systems of Active Anesthetic Gas Scavenging Systems

PUBLICATIONS SUMMARY



Operating Room
University Hospital



FACULTY RESEARCH GRANTS/FUNDING

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/Vitaid-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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