

DEPARTMENT OF ANESTHESIA
AND PERIOPERATIVE
MEDICINE

The University of
Western Ontario



ANNUAL
REPORT

JULY 1, 2006 - JUNE 30, 2007



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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 (UWO) 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 the 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, post-anesthetic 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, UWO, 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 latest and most advanced minimally invasive surgery management.

The Department provides teaching and training to undergraduate and postgraduate trainees in anesthesia and allied health care fields both at UWO and Out-Reach Community Program. The Department is well known for its clinical and research excellence in cardiac anesthesia, neuroanesthesia, transplantation, critical care, 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, Columbia, Saudi Arabia) 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 LHSC/SJHC, UWO and MOHLTC to improve job satisfaction. Resource initiatives such as a Citywide Anesthesia Academic Practice Plan, AFP Phase 1, 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.

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

Dr. Shalini Dhir

Dr. Shalini Dhir began her full time Consultant appointment on July 1, 2006. Dr. Dhir had been a Clinical Fellow at SJHC since September 2004. During her Fellowship, she was involved in research in the areas of obstetrical and regional anesthesia. Her abstract, Ultrasound Localization Improves Primary Success and Reduces Secondary Catheter Failure in Continuous Peripheral Nerve Blocks, was selected in the "Top 50" Poster Displays at the recent Canadian Anesthesiologists' Society meeting in Toronto. Dr. Dhir is working primarily at SJHC.

Dr. Philip Jones

Dr. Philip Jones began working as a full time Consultant in our Department on July 1, 2006. Dr. Jones completed his Fellowship in Cardiac Anesthesia at University Hospital. He had previously completed his Residency here in London hospitals, following his graduation from The University of Western Ontario with his MD. He is based at University Hospital, working across the city, and focusing on cardiac anesthesia and perioperative outcomes.

Dr. Craig Railton

Dr. Craig Railton began working in our Department on August 1, 2006. Dr. Railton completed a Fellowship in the Clinical Pharmacology Specialty Program at the University of Toronto, following completion of the Royal College Exam in Anesthesia in June 2005. Prior to his medical training, he completed a PhD in Synthetic Organic Chemistry at the University of Alberta. Dr. Railton's research areas include clinical pharmacology, perioperative medicine, and patient safety. He is based at Victoria Hospital, and has a cross appointment to the Department of Medicine.

Dr. Timothy Turkstra

Dr. Tim Turkstra joined the Department effective July 1, 2006. He is based at University Hospital and working at SJHC as well. Dr. Turkstra completed his MD at McMaster University, and then his Residency here in London. For the previous year he had been a Clinical Fellow at University Hospital. He has won several research awards in the past two years. Prior to entering his medical training, Dr. Turkstra attained his engineering degrees including B. Eng., M. Eng., and P. Eng designation.

An additional six future recruits are planned for the 2007/2008 academic year. They are:

Mohamad Ahmad, Bsc MSc MD FRCPC

Dr. Ahmad will begin officially on August 1, 2007. 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 M.Sc. 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.

Alexander Briskin, MD

Dr. Alexander Briskin has completed a 2 year Fellowship in the Department of Anesthesia and Critical Care Medicine at Sunnybrook Hospital in Toronto. He has been teaching in a clinical setting for several years. He will be working 3 days per week in London at SJHC from mid July until the end of August, and then he will begin working full time at Hotel 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, and completed his Residency training at Shaare Zedek Medical Centre. He has previously passed the Israel Anesthesia Society Board exams and is an ACLS instructor.

Michelle Gros, MSc MD FRCPC

Dr. Michelle Gros has just completed her Anesthesia Residency in our Department and successfully completed the fellowship exams, attaining her FRCPC designation in June 2007. We are very pleased that she is continuing her career in our Department, focusing on obstetric anesthesia. Dr. Gros completed an M.Sc. in Pharmacology at The University of Western Ontario, prior to entering Medical School at the University of Toronto. She returned to UWO for her Residency.

Bobbi Jo Morrell, MD FRCPC

Dr. Bobbi Jo Morrell has also just completed her Anesthesia Residency in our Department, and has also 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 and clinical teaching. Clinically, she is interested in vascular and thoracic anesthesia.

Maxim Rachinsky, MD

Dr. Maxim Rachinsky has just completed two years of Fellowship training in cardiac and regional anesthesia in our Department, and began working at SJHC 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 Medical Academy. His residency training was completed in Israel at Soroka Medical Centre in Beer-Sheva, Israel. He has passed the Israeli Board in Anesthesiology exams and in January 2005, Dr. Rachinsky obtained Medical Council Evaluation Examination in Canada.

Kevin Teague, MD FRCPC

Dr. Kevin Teague has just 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.

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 July of 2007 the program includes 6 fellows (cardiac anesthesia, neuroanesthesia, regional anesthesia and pain, transplantation, and obstetric anesthesia).

ADMINISTRATIVE FUNCTIONS

Department faculty continue 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 LHSC; Dr. John Fuller as Medical Director of Perioperative Care, SJHC and a member of the RCPSC Council; Dr. Bill Sischek as the Chair of LHSC Credential Committee; Dr. Ron Butler as Site Chief of ICU, LHSC University Hospital, and Associate Director of the Cardiac Surgery Recovery Unit, LHSC; Dr. Michael Sharpe as the critical care advisor at Southwestern Local Health Integrated Network (LHIN); Dr. Rosemary Craen as Chair of the Scientific Program Committee of the Canadian Anesthesiologists' Society (CAS); Dr. Neal Badner as Chair of the Research Committee of the CAS. 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. Dr. Richard Cherry is an anesthesia representative for the Respiratory Therapist Program at Fanshawe College, and along with Dr. Jim 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, University, LHIN, MOHLTC, 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 LHSC/SJHC, UWO. 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 Academic Medical Organization of Southwestern Ontario (AMOSO) toward a comprehensive AHSC AFP 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 program, critical care, obstetric anesthesia, pediatric anesthesia, etc. 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 in 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 forty seven Anesthesia residents and thirty-four off-service residents hosted from other residency training programs. Residents achieve continued success at the Royal College examinations. The program offers general and sub-specialty 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. Rotations throughout Southwestern Ontario (SWOMEN) are 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 post Cardiac Surgical Recovery Unit; Critical Care Medicine; Neuroanesthesia; Regional Anesthesia and Pain Program; Evidence-based Perioperative Clinical Outcomes Program (EPiCOR); Perioperative Blood Conservation Program; and 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. The Canadian Anesthesiologists' Society Annual Meeting was also well represented by our Residents and Faculty.



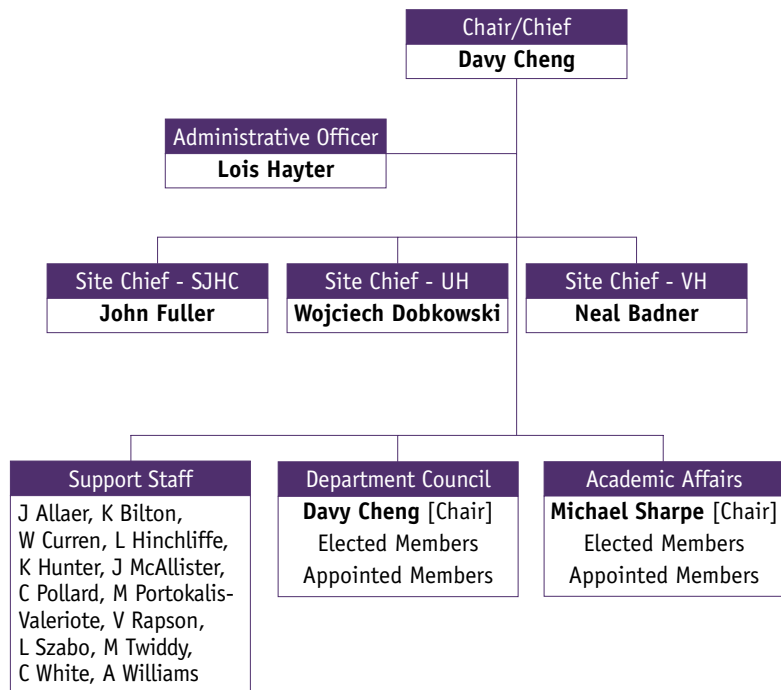
ANESTHESIA PROCEDURES FOR LONDON TEACHING HOSPITALS

	Adult Surgical	Pediatrics	Obstetrical	Cardiac
St. Joseph's Health Centre	16,954	501	Deliveries 3,200 C-Sections 890 Epidurals 2,240	
University Hospital	8,891	225		1,493
Victoria Hospital	11,059	In OR 3,606 Out of OR 1,649	Deliveries 2,350 C-Sections 438 Epidurals 1,497	21
Peds Consults		644		1,476
Total	36,904	5,981	Deliveries 5,550 C-Sections 1,328 Epidurals 3,737	1,514

Major Vascular Surgery	Thoracic	Neurosurgical	Nerve Blocks		
			Epidural/Spinal	Other Regional	Pain Control
			220	692	1,430
			300	100	2,530
1,039	645	132	350	100	2,665
2	2	1,156			
1,041	647	1,288	870	892	6,625



ORGANIZATIONAL CHART



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



FACULTY MEMBERS

Anderson, Ian

Victoria Hospital
Associate Professor

Arango, Miguel

University Hospital
Assistant Professor

Armstrong, Kevin

University Hospital
Assistant 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

Butler, Ron

University Hospital
Associate Professor

Champion, Lois

University Hospital
Associate Professor

Cheng, Davy

University Hospital
Professor

Cherry, Richard

Victoria Hospital
Assistant 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

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 K.

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

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

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
Assistant 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

Tilsworth, Richard

Victoria Hospital
Assistant Professor

Turkstra, Tim

University Hospital
Assistant Professor

Vannelli, Tony

University Hospital
Associate Professor

Watson, Jim

St. Joseph's Health Care
Associate Professor

Wexler, Ron

St. Joseph's Health Care
Associate Professor

ADJUNCT PROFESSORS

St. Thomas-Elgin General Hospital

Bidinot, H

McNeill, B

Soderman, M

Warnock, T F

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 WINDSOR

Arya, B

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

Espinal, Victor	Transplant
Hegazy, Ahmed	Neuro
Khan, Javid	Neuro
Kumbharathi, Ravi	Cardiac
Merha, Rishi	Cardiac
Pal, Nirvik	Cardiac
Sinha, Prabhat	Cardiac
Sridhar, Jami	Transplant
Tureanu, Luminita	Regional
Youssef, Hesham	Cardiac

RESIDENTS

PGY5

Al-Babtain, Hesham
Gros, Michelle
Liang, Lily
Ma, Martin
Morrell, Bobbi Jo
Prychitko, Jon
Teague, Kevin

PGY4

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

PGY3

Al-Turkistany, Hanan
Evans, George
Fraser, Lou
Hannouche, Fadi
Lewis, Mark
Mack, Peter
Min, Frank
Noel, Dan
Rainkie, Kris
Singhwi, Sanjiv
Tran, Diem

PGY2

Antoniou, Andreas
Bruni, Ida
Clarke, Collin
Fantillo, Vanessa
Kolesnichenko, Patricia
Marmai, Kristine
Masood, Amna
Stothart, Danielle
Ezer, Darren

PGY1

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



Al-Areibi



Al-Solu



Al-Turkistany



Antoniou



Ascroft



Bellingham



Borger



Brooks



Bruni



Clarke



Constantinescu



Dashti



Dlacic



Dowe



Evans



Ezer



Fantillo



Fraser



Gilchrist



Goure



Hannouche



Kathirgamanathan



Katyal



Khalil



Kolesnichenko



Kruger



Lewis



Ligor



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
John Fuller

ST. JOSEPH'S HEALTH CARE

St. Joseph's Health Care 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. Fellows in 2006/2007 were Drs. Ahmad Abotaiban, Benham Kashanian and Kathy Woo.

Dr. John Fuller succeeded Dr. Jim Watson as Site Chief. Dr. Ian McConachie is serving as his primary alternate. New staff based at St. Joseph's Health Care starting in the summer of 2007 include Drs. Michelle Gros and Maxim Rachinsky.

The 10 new operating rooms, cataract facilities, preadmission, 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 volumes 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 will take place in 2007 to 2009 to modernize facilities for the majority of clinical services at St. Joseph's Health Care.

UNIVERSITY HOSPITAL

During the past year the University Hospital site has actively pursued and accomplished our mission of clinical excellence, education and research. Many clinical research projects were completed and others undertaken. There was continued strong commitment to excellence in teaching and mentoring of medical students, residents and fellows. Feedback from all trainees, especially those at the fellowship level, confirmed a very high standard of clinical teaching.

We provided clinical services for fourteen operating rooms (including cardiac surgery, neurosurgery, general surgery, orthopedics, sport medicine, plastic surgery, urology, ENT); diagnostic and therapeutic procedures in the electrophysiology laboratory, neuroradiology, cardiac angiography, pre-admission clinic, acute pain service and 24-hour coverage for liver transplantation.

The key academic programs include:

Cardiac Anesthesia

Dr. John Murkin, Dr. Daniel Bainbridge, Dr. Wojciech Dobkowski

Traditionally, this is one of the most active groups academically, not only in this department but also nationally and internationally. In addition, over the past year the Cardiac Fellowship Program was expanded to eight fellows. Drs. Jeff Granton, Daniel Bainbridge and Ivan Iglesias have organized a series of seminars and teaching sessions running from Monday through Thursday at 0700 hr. A very important part of this program has been TEE teaching under direction of Drs. Bainbridge and Iglesias. This program has been designed to prepare all participants for TEE-board exams. Special TEE rounds have been organized every Wednesday for cardiac fellows, residents and consultants. This year all our fellows successfully passed the ABE exam.



Site Chief - University Hospital
Wojciech Dobkowski

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. Once again, the cardiac group 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-Sainte-Anne, Quebec from February 15-19, 2007.

Trans-Esophageal Echocardiography

Dr. Daniel Bainbridge, Dr. Ivan Iglesias

Under the leadership of Drs. Bainbridge and Iglesias, the TEE Program continued to flourish. TEE rounds were held on Wednesday mornings; with seminars for fellows and consultants. These rounds have been very well attended and received. Dr. Ravi Taneja has designed a cardiac anesthesia database that will be operational in a few months.

Neuroanesthesia

Dr. Rosemary Craen

The Neuroanesthesia Group continues to be strong with a well established reputation internationally. An excellent fellowship program, interesting clinical research and also participation in basic science research characterizes this group. Dr. Craen has been recognized by CAS and over the last two years has held the position of Chair of the Scientific Committee of the Annual CAS Meeting.

Liver Transplantation

Dr. Wojciech Dobkowski

This year anesthesiologists from this group provided services to sixty-two liver transplantation surgeries. Dr. Chris Harle became a new member of the team. A new fellow joined the program in October 2006 and another in January 2007. This year the group initiated a Journal Club and also co-organized a Transplantation Symposium during the 2007 CAS Annual Meeting. Three new research projects have been approved and our fellows are actively involved in these projects. The group is preparing a proposal to organize an Anesthesia Transplantation Section/Group at the CAS.

Acute Pain and Regional Anesthesia Service

Dr. Sugantha Ganapathy, Dr. Rakesh Bhandari

Drs. Ganapathy, Bhandari and Cindy Carnegie, RN, along with other anesthesiologists, have continued to develop an excellent academic program which has continued to significantly improve the standard of care, education and research. An innovative approach to teaching, including workshops, provides on-going education to students, residents and fellows.

Medical Informatics

Dr. Steven Dain

Dr. Dain is an internationally recognized expert in standards for medical equipment. He is a member of many national and international committees and also created an interesting fellowship program in this field.

Undergraduate Education

Dr. Tony Vannelli, Dr. Ivan Iglesias

Dr. Vannelli is the city-wide undergraduate coordinator and Dr. Iglesias the University Hospital site coordinator for undergraduate education. Dr. Vannelli has done an outstanding job overseeing the undergraduate education program at all three sites. Dr. Iglesias continues to be held in high esteem by the medical students. His commitment to undergraduate education is very well recognized and over the last year University Hospital has continued to achieve excellence in undergraduate education based on the feedback received from the students and the Dean. Another very successful Airway Workshop was held under the direction of Dr. Iglesias for residents, fellows, emergency physicians, and doctors from peripheral hospitals.

Postgraduate Education

Dr. Chris Harle

Under Dr. Harle's direction, postgraduate education continued to achieve excellence. Subspecialty rotations included cardiac anesthesia, neuroanesthesia and perioperative medicine. Resident feedback regarding the University Hospital rotations was universally excellent, especially cardiac anesthesia including TEE teaching, which is unique nationally. A new rotation was introduced this year (Perioperative Medicine) which is comprised of ambulatory anesthesia, pre-admission clinic and acute pain service.

Fellowship Program

Dr. Daniel Bainbridge

Over the last few years our Fellowship Program has been developing very dynamically. Fellows have been unanimous in their appraisal of the program as excellent and having achieved their educational goals. Fellowships are offered in the following subspecialty areas: cardiac anesthesia, neuroanesthesia, transplantation anesthesia, clinical anesthesia, regional anesthesia and medical informatics. Once again, our Fellowship Program attracted high quality fellows from many countries.

Anesthesia Rounds

Dr. Achal Dhir

Under the supervision of Dr. Dhir these rounds provide one of the most important educational tools for students, residents, fellows and consultants. Rounds have included lectures, case presentations (interactive) and morbidity and mortality rounds. Many rounds were prepared by residents or fellows.

Continuing Medical Education Program

Dr. Mary Lampe

The Continuing Medical Education Program meets a very important requirement in our department. Under Dr. Lampe's leadership this program continues to offer high quality educational opportunities for the faculty and trainees.

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 (ENT, 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 clinical research projects in these subspecialties have been completed, one of which led to a change in the postoperative epidural analgesia solution. A follow up review of this change is currently underway.

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 OR's daily, as well as sedation for endoscopies/colonoscopies, MRI's, 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 nation-wide 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 in a new location distant from the Operating Rooms in January 2010 is being completed with plans for construction to begin January 2008.



Site Chief - Victoria Hospital
Neal Badner



CLINICAL ACADEMIC PROGRAMS



Program Director
Sugantha Ganapathy

AMBULATORY AND REGIONAL ANESTHESIA/ANALGESIA

This division has been active with both research and other academic activities.

Research

There were two industry sponsored multicentre trials in postoperative pain management that were completed during this period. One involved a novel delivery system for self administration of inhaled liposomal fentanyl. This was presented as an oral presentation by Dr. S. Ganapathy at the annual ASA meeting 2006. The second trial involved a new compound "Tapentadol" for pain management following hip arthroplasty.

Dr. S. Dhir completed her study on evaluating three different techniques of inserting regional block catheters, which was judged as one of the five best abstracts at the annual ASRA meeting in December 21, 2007.

Dr. Ganapathy's program of one day arthroplasty was funded for a pilot study of 100 patients by the Ministry of Health and is currently ongoing.

The study on comparative evaluation of cervical epidural with interscalene block is still ongoing.

Fellowship Program

Two clinical fellows successfully completed a fellowship in Regional Anesthesia. Dr. Rachinsky has joined us at St. Joseph's Health Care since completing the fellowship and Dr. Velayutham has returned to the UK.

The case load has significantly increased in spite of the shortage of staffing in the block room. There is a formal block area developed at the University Hospital site to facilitate initiation of regional blocks.

ANESTHESIA ASSISTANT

Although the Program Advisory Committee at Fanshawe College had completed their proposal and set the curriculum for a new program involving the training and accreditation of Anesthesia Assistants (AA) to start in the fall of 2007, due to the acceptance of London Health Sciences Centre as an Anesthesia Care Team Demonstration Site it was decided to defer the start of this program to the fall of 2008. Eleven AA positions have been created and funded by MOHLTC. The successful candidates will spend their first six months completing the Advanced Anesthesia Assistant course run by Michener College in Toronto. This is mostly a correspondence course with one day a week spent in Toronto, when students have didactic teaching and simulator sessions. Once completed, it is followed by a twelve week clinical rotation in London, where they will work at both London Health Sciences Centre and St Joseph's Health Care. After successfully completing this training, these students will participate in the pilot project promoting the new Anesthesia Care Team (ACT) in Ontario. It is anticipated that working in teams and employing Anesthesia Assistants (under the direct supervision of a consultant anesthesiologist) will lead to improved efficiency, enhanced working conditions, and expand the provision of operative anesthesia services. However, their exact role in each institution still remains to be clarified.

Despite some early concerns about the actual role of Anesthesia Assistants by some anesthesiologists, with the possibility of the MOHLTC supporting the lobbying by the College of Nurses (CNO) to develop the position of Independent Nurse Practitioners in Anesthesia, many of these concerns have been removed. Furthermore, in an attempt to promote the idea of the Anesthesia Care Team and to improve public awareness of the role of the anesthesiologist in their perioperative management, the Ontario Section of Anesthesiology has started an awareness campaign to educate and influence the public and the government about the importance of Anesthesiologists as physicians.

The next twelve months will decide if the introduction of the Anesthesia Care Team is a viable project and what exactly the role of the Anesthesia Assistant will be as part of that team.



Program Director
Fiona Ralley



Program Director
Davy Cheng

CARDIAC SURGERY RECOVERY UNIT

Since the establishment of this 16-bed Cardiac Surgery Recovery Unit at LHSC-University Hospital in March 2005, the cardiac surgery division was consolidated to the LHSC - University Hospital in May 2005, performing about 1,500 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).

CARDIAC TRANSESOPHAGEAL ECHOCARDIOGRAPHY [TEE]

The Program on Intraoperative TEE is continuously supporting 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, presentations on TEE subjects take place on Wednesdays at 7:00 am. In 2006/2007 we continued our program on TEE teaching to Consultants and we expanded this program to non Anesthesia Consultants. In April 2007 we started our program on TEE teaching to Anesthesia Residents with special emphasis on applications of TEE in non cardiac surgery and ICU. In May 2007 we wrote a proposal for a program to teach TEE to Cardiac Surgery residents and this proposal was accepted and will start running as a formal program in August 2007. 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 also contributed the basic structural information that will be the TEE Database of our Department starting in January 2008. Our program continues to support intraoperative TEE for cardiac and non cardiac surgery and CSRU patients on a daily basis with a very positive feedback from Surgeons and Anesthesia Consultants and benefit to our patients.



Program Director
Ivan Iglesias



Program Director
Patricia Morley-Forster

CHRONIC PAIN

Clinical Care

Purdue Pharma Inc. donated an unrestricted educational grant of \$200,000 to the operating costs of the Clinic for 2007-2009. One of the stipulations of the agreement was that the number of new patients seen would increase by 10%. Primarily with improvements in booking efficiency, this goal was attained for the first half of 2007 with an increase in new patient bookings of 13.5%. A psychologist, Dr. Heather Getty, was hired to treat patients for two days a week as well as conduct research and provide education rounds to clinic staff.

A database, approved by UWO HSREB has been established since March 1, 2007, currently run through Microsoft Access, on patient demographics, treatments and outcomes on all patients attending the Pain Clinic at St. Joseph's Health Care.

Education

Dr. Ahmed Abotaiban successfully completed a one year Fellowship in Chronic Pain Management and returned to Kuwait to set up a practice in Anesthesia and Interventional Pain Management.

Interdisciplinary Pain Rounds are being held on the fourth Wednesday of each month. A schedule of past and future topics is available on the website www.londonpain.ca.

For the fourth consecutive year, a selective in Acute and Chronic Pain Management was offered to 80 fourth year medical students. (Drs. Kevin Armstrong, Pat Morley-Forster). Family Medicine Preceptorships are offered in the Pain Clinic for about 6-8 physicians each year.

Clinical Research

The St. Joseph's Health Care Pain Clinic participated in three pharmaceutical trials in 2006-2007, two on pregabalin for neuropathic pain, another on oral marijuana. In May 2007, Pfizer Canada donated \$950,000 towards a multicentre 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), Mt Sinai (Toronto) and Ottawa.

One of the strengths of the UWO Interdisciplinary Pain Research Program is the collaboration with Lawson Health Research Institute. One of the anesthesia residents, Dr. Collin Clarke, has been working with biophysical scientists in imaging to develop a model to simulate chronic musculoskeletal pain in humans in order to observe FMRI changes with analgesic treatment. Bioelectromagnetic researchers affiliated with Lawson Health Research Institute are examining the effects of weak pulsed magnetic fields on alleviating chronic musculoskeletal pain.

CRITICAL CARE UNIVERSITY HOSPITAL - ICU

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, the Medical Surgical Intensive Care Unit (24 beds) and the Cardiac Surgery Recovery Unit (16 beds) at University Hospital. The critical care units are newly built at both University Hospital and Victoria Hospital and incorporate the newest technologies. 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, who possess 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 www.lhsc.on.ca/programs/critcare/pge/.



Program Director
Ron Butler



Program Director
John Fuller

CRITICAL CARE ST. JOSEPH'S HEALTH CARE - ICU

The Adult ICU at SJHC was successfully transferred to LHSC in April 2005, in keeping with the mission of Hospital Restructuring. Staff moved with the Program, or found alternative positions within SJHC.

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 SJHC 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 SJHC. This provides staff and physical plant, based from PACU, to intervene in the case of any patient requiring Critical Care service at SJHC. Staffing includes nurses from PACU, RRT's 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 SJHC, monitored by the Step Up team. The team transfers those who remained unstable or critically ill, to ICU (LHSC). The Step Up Capability also provides the base for the Cardiac Arrest capability at SJHC, 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 SJHC 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 SJHC. Data collection is ongoing to assist in developing Medical Emergency Response services at SJHC beyond Milestone 2.

EVIDENCE BASED PERIOPERATIVE CLINICAL OUTCOMES RESEARCH (EPiCOR)

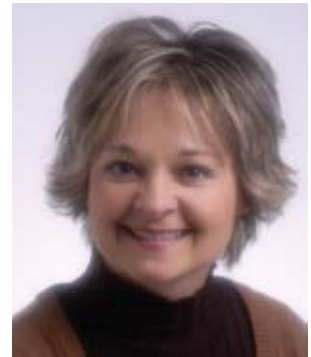
The Evidence Based Perioperative Clinical Outcomes Research (EPiCOR) Group is a multidisciplinary collaboration between Perioperative Medicine & Anesthesia, Surgery, Pharmacy, and Pharmacology whose mandate is to provide comprehensive systematic reviews and meta-analyses of new and existing technologies including medical devices, surgical procedures, interventional procedures, drugs and diagnostic techniques in order to inform important perioperative clinical and economic questions with 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
 - Antiarrhythmics Perioperatively
 - Postoperative Nausea and Vomiting
 - Perioperative Gastric Acid Suppression
- Blood Conservation
 - Antifibrinolytics
 - Synthetic Colloids versus Albumin
 - IV Irons
 - Erythropoietics
- Minimally Invasive Surgical Methods
 - Off-Pump versus On-Pump Coronary Artery Bypass Surgery
 - Endovascular versus Open Vein Harvest for CABG
 - Video-Assisted Thoracic Surgery
 - Endovascular Aortic Repair versus Conventional Open Repair for Aortic Aneurysm
- Innovative Surgical & Imaging Technologies and Techniques
 - Stentless Valves versus Conventional Valves for Aortic Valve Replacement
 - Multislice CT, MRI, TEE/TTE Ultrasound, versus Angiography for Aortic Dissection
 - MAZE Procedure



Program Director
Davy Cheng



Program Director
Janet Martin



Program Director
Daniel Bainbridge

In addition, EPiCOR has collaborated with others to perform evidence-based systematic reviews, health technology assessments, and to convene experts to produce evidence-based recommendations for practice. These forums provide a unique opportunity to teach surgeons, anesthesiologists and related healthcare personnel 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
- Endovascular Vein Harvest
- Transmyocardial Revascularization
- Stentless Valves (ongoing)
- Perioperative Colloids
- Endovascular Aortic Repair (ongoing)

The EPiCOR Group also contributes to teaching opportunities and publications for the purpose of raising awareness of the need for evidence-based decision-making.

- Cheng D, Martin J
Raising the Bar, A Primer on Evidence-Based Decision-making
Seminars in Cardiothoracic and Vascular Anesthesia 2005;9(1):1-4
- Martin J, Chhem R
Evidence-Based Medicine for Radiologists (Book Chapters)

EPiCOR research has been presented at conferences, research centres and universities locally and internationally. In addition, experts from EPiCOR have been sought after to present at Health Technology Assessment and Policy forums both nationally and internationally.

LIVER TRANSPLANTATION

This year the anesthesiologists from the liver transplantation group (Drs. Dhir, Dobkowski, Harle, Ralley and Vannelli) provided services to 74 liver transplant patients.

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

Dr. Achal Dhir prepared and organized a series of seminars, every two weeks, for fellows, consultants and residents.

The LHSC-University Hospital liver transplantation group co-organized, together with our colleagues from Toronto, a Transplantation Symposium at the CAS Annual Meeting in Calgary in June. In addition, the University Hospital group proposed that a new section, "Canadian Anesthesia Transplantation Section", be developed and recognized by the CAS. This idea met with a very enthusiastic response from a majority of Canadian transplant anesthesiologists. A website for this new national section should be ready within a few months. Two new research projects have been developed and approved.



Program Director
Wojciech Dobkowski

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), web based E-Learning projects, implementation of the Electronic Medical Record for Pre-admission Clinic, International Anesthesia and Critical Care Equipment Standards Development, and work with the MD PNP consortium (www.mdnp.org).



Program Director
Steve Dain



Program Director
Rosemary Craen

NEUROANESTHESIA FELLOWSHIP

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 procedures. Trainees gain knowledge not just through case experience, but also through an organized teaching program. The fellowship is designed to gain 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 while 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, etc.

Monitoring/Diagnostic Skills

Fellows will have the opportunity to learn how to use Transcranial Doppler, oximetry, Evoked Potential and EEG monitoring during surgery.

Non-Anesthesia Experience

Fellows will spend a brief period on the Epilepsy Service to have a better understanding of the total management of patients with epilepsy and to learn (much) 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 scans, 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.

For fellows interested in medical education, we encourage them to take the 2-day or the 5-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.



Program Director
Sandra Katsiris

OBSTETRICS

The past year's volume of deliveries in the city approximated 6,500, similar to the year before. There continue to be challenges managing some of these deliveries in the city. Both lack of an intensive care unit at St. Joseph's Health Care and lack of an NICU at LHSC-Victoria Hospital pose challenges to care for sick mothers and sick neonates. In addition, consolidation of cardiac anesthesia services at LHSC-University Hospital impacts care of some parturients with cardiac issues.

St. Joseph's Health Care remains the tertiary obstetrical referral centre in the city, responsible for the majority of high-risk obstetrical anesthesia and neonatal care. Use of dilute solutions for epidural analgesia at both St. Joseph's Health Care and LHSC-Victoria Hospital has come to fruition. These solutions provide reduced motor block for parturients, with increased satisfaction of epidural analgesia. In addition, PCEA use has become more wide-spread and has also improved patient satisfaction with epidural analgesia. The birthing centres at both sites have received new epidural and IV PCA pumps as part of a city-wide initiative to replace outdated models. Both these types of pumps are functioning well. St. Joseph's Health Care has moved to disposable epidural kits and LHSC-Victoria Hospital will follow shortly.

Work on the interior design template of the new Grace Donnelly Women's Health Pavilion is still underway. Consolidation of obstetrical anesthesia services at this site will not occur before the year 2010. The structure template for the dedicated c-section operating room's design configuration has not yet been finalized. It is hoped that the opportunity to design efficient, functional space will be realized.

Standardization of anesthetic carts in the birthing centre at LHSC-Victoria Hospital is almost complete, so that these carts will mimic those in all other operating rooms in the city. Acquisition of dedicated obstetrical airway equipment has also begun in anticipation of future consolidation. The location of the future birthing centre, remote from the main operating rooms, make this a necessity.

The MOREOB (Managing Obstetrical Risk Efficiently) program is progressing in London, and participants (anesthesia representatives - Dr. Indu Singh and Dr. Sandra Katsiris) are approaching the final phase of the three-phase program. Institution of mock obstetrical emergency drills at both St. Joseph's Health Care and LHSC-Victoria Hospital has allowed other staff consultants and anesthesia residents a glimpse into part of this initiative.

Dr. Sandra Katsiris has been appointed to the Maternal and Perinatal Death Review Committee for the Office of the Chief Coroner of Ontario. This represents the first time an anesthesiologist has been asked to participate in this committee. Because anesthesiologists often play an important role in peri-partum care of parturients, it is hoped that she will be able to bring anesthetic perspective to the committee and its recommendations.

The core resident rotations through the obstetrical unit at St. Joseph's Health Care continued to be fully subscribed. Resident exposure to and educational experience with challenging obstetrical anesthesia cases occurs at both sites. In addition, residents participate in obstetrical cases being managed at LHSC-University Hospital due to cardiac concerns. Obstetrical cases continue to figure prominently in resident research and presentations. The obstetrical anesthesia fellowship program has accepted Dr. Arnab Banerjee to participate as a clinical fellow beginning in January 2008.

PERIOPERATIVE BLOOD CONSERVATION

The perioperative blood conservation program is now well established at LHSC and after an information campaign that included an article in *The Page* in January 2007 and presentations to both the City Wide Perioperative Care Committee and the Medical Advisory Committee, there has been a gradual increase in the number of patient referrals to the program from services outside those already included in the program (cardiac, ortho, vascular and urology). At present 175-200 patients are reviewed each month by the PBCP coordinators. With the continuing streamlining of the patients in the pre-admit clinic so that only those who would benefit from the program are reviewed, approximately 30% of all patients reviewed by the PBCP coordinators have at least one PBCP strategy implemented prior to their surgery. In addition, all patients refusing blood products who are scheduled for a surgical procedure that is associated with a risk of significant blood loss are now referred to the program. Recently intraoperative blood conservation modalities have been introduced at LHSC, which include the use of Tranexamic Acid in orthopedic arthroplasty patients, acute normovolemic hemodilution (ANH) with associated plasmaphoresis in cardiac surgery, and an increased use of cell salvage devices. The effect of the introduction of these modalities will be assessed over the next 3-6 months. Other new treatment options include the use of intravenous iron infusion preoperatively in patients with a demonstrated iron deficiency anemia.



Program Director
Fiona Ralley

This year has seen the implementation of the perioperative blood conservation database that started prospectively collecting transfusion data on all patients scheduled for a surgical procedure at LHSC from May 2007. Retrospective analysis was carried out by the same database on all surgical procedures performed in 2006 (approximately 22,000) and 2007 up to the start of the prospective data collection. Information was circulated to each surgeon regarding their own personal transfusion rates, transfusion rates of their colleagues (anonymous) for the same procedures and transfusion related rates associated to patient characteristics e.g. age, preoperative hemoglobin, weight, etc. for the surgical procedures with the highest transfusion rates per service. In the future, it is anticipated that similar information about individual transfusion rates will also be circulated to members of the Department of Anesthesia and Perioperative Medicine.

Unfortunately, we have had unforeseen challenges this year, with respect to warnings issued by both the Health Protection Board (HPB) in Canada and the Federal Drug Administration (FDA) in the United States about two of the drugs which play a major role in perioperative blood conservation i.e. aprotinin and erythropoietin stimulating agents (ESAs). However a review of the patients that have received ESAs at LHSC during the past two years did not show any cause for concern and patients will continue to be offered these medications as per our institutional guidelines.

There has been a steady increase in the academic endeavors of members of the PBCP committee. This year there have been several posters presented at various scientific meetings both provincially, nationally and internationally. This is in addition to didactic lectures and other presentations. Also at present, members of the committee are involved in three research projects studying:

- a) a prospective study of Frozen Plasma Utilization in Postoperative Cardiac Surgical Patients
- b) 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
- c) retrospective electronic data extraction/chart review of utilization of allogeneic blood transfusion and alternatives to allogeneic blood transfusion in high blood loss elective surgical procedures at LHSC.

Other projects reviewing and comparing the efficacy and safety of different forms of intravenous iron preparations are also planned for the future.

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, Thoracic surgery three times a week and Pediatric Thoracic surgery once a week. Our TEE Program is well developed with formal teaching and educational rounds. We have monthly Multidisciplinary, Morbidity and Mortality Rounds with our surgical colleagues.

The majority of vascular and thoracic patients coming through our institution have multiple co-existing 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 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 lobectomies and 100 esophagectomies. 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 improved 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



Program Director
George Nicolaou

thoraco-abdominal aneurysms that cannot be repaired by using fenestrated stents are repaired using partial left heart bypass. On average per year, we perform 150 open abdominal aneurysm repairs, 50 endovascular thoracic and 100 abdominal endovascular aortic aneurysm stents.

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

- A review of effectiveness of thoracic epidural analgesia vs. patient controlled analgesia for patients with chest trauma.
- Compare outcomes of anesthetic management for endovascular abdominal aneurysm repair vs. open abdominal aneurysm repair.
- Study the hypothesis that low dose inhaled carbon monoxide decreases reperfusion injury in humans undergoing revascularization procedures.
- 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.
- Metanalysis 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 to the residents and they also participate in formal thoracic and vascular lectures. The 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



Program Director
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 6 months to 2 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 4 days per week in clinical activities with 1 day per week protected for non-clinical 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 2006- 2007 academic year, the Postgraduate Education Program of the Department of Anesthesia and Perioperative Medicine at the University of Western Ontario had 46 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 City Wide 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.

We underwent Accreditation by the Royal College of Physicians and Surgeons of Canada as part of their On Site Accreditation process of all programs at the University of Western Ontario in October 2006. The program was granted the status of full accreditation with no major weaknesses listed.

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



Program Director
Sal Spadafora

SWOMEN

We continue to offer rotations throughout the Southwestern Ontario Medical Education Network (SWOMEN) with many residents both Junior and Senior participating in these experiences.

Resident Research Day

Our resident research day took place in Hamilton in June 2007. This full day event, held jointly with the Anesthesia Program at McMaster University, was a great success.

Resident Research Day Poster Presentations by UWO Residents

- Dr. Ida Bruni
Anesthetic Management of a Parturient with Metastatic Carcinoid Disease
- Dr. Collin Clarke
Anesthetic Management of a Parturient with Cadasil Syndrome
- Dr. Danielle Stothart
Obstetrical Complications and the Need for a High Dependency Step-Up Unit

Resident Research Day Oral Presentations by UWO Residents

- Dr. Andreas Antoniou
Intraoperative Cardiac Arrest During Left Shoulder Total Arthroplasty Revision
- Dr. Collin Clarke
Imaging Tonic Pain - Using fMRI to Capture Cerebral Blood Changes Associated with Chronic Pain - A Feasibility Study
- Dr. Amna Masood
Successful Ultrasound Guided Infraclavicular Block in a Parturient
- Dr. Kenneth Ryan
Management of Post-Partum Hemorrhage

Our residents also played an active role in presentations at the Annual Canadian Anesthesiologists' Society Meeting in Calgary in June of 2007.

Simulation

We saw the arrival of our Anesthesia Simulator this academic year. This is a joint venture with the Critical Care Program, and is housed in a state of the art space in the CSTAR facility. Our residents participated in their first training session in the simulator under the guidance of Drs. B. Church and R. Cherry. This is a landmark for us and we look forward to the full integration of this tool into our training program.

2006-2007 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.

A special thanks to Dr. David Smith who has completed his term as Royal College Examiner for UWO. His dedication has been a strength of the Program. Dr. Richard Cherry will be joining the Examination Board as the UWO Oral Examiner in Anesthesia.

PGE Committee Members

- Dr. Kevin Armstrong - SJHC Site Coordinator
- Dr. Davy Cheng - Department Chair
- Dr. Richard Cherry - IT/Simulation Coordinator
- Dr. John Fuller - SWOMEN Coordinator
- Dr. Rooney Gverzdys - VH Site Coordinator
- Dr. Christopher Harle - UH Site Coordinator
- Dr. Sandra Katsiris - Associate Program Director
- 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. Chris Brooks, Chief Resident
- Dr. Mark Lewis, Junior Resident Representative

UNDERGRADUATE EDUCATION

Program Director
Tony Vannelli

The broad-based knowledge and technical skill of anesthesiologists in the Department of Anesthesia and Perioperative Medicine at The University of Western Ontario (UWO) continue to provide a rich resource for all four years of Undergraduate Medical Education (UME).

The most prominent elements of the Anesthesia program are presented in the Clinical Clerkship. This Year 3 Anesthesia Rotation continues to combine one on one clinical teaching and hands on experience in the OR supplemented by didactic seminars as part of the Surgical Block.

Despite being relegated to a two week selective, the Anesthesia Clerkship continues to be extremely popular, with over 90% of UWO medical students choosing Anesthesia. Indeed, with the ongoing expansion of undergraduate medical enrollment, the challenge will be accommodating students within the clinical OR environment. This year, Dr. Hoogstra has replaced Dr. Nicolaou as the Anesthesia UME Coordinator at Victoria Hospital. With the recent acquisition of a simulator at UWO, a major initiative for the coming year will be to incorporate the anesthesia simulator into UME and in particular, to complement the Clinical Clerkship curriculum.

CONTINUING MEDICAL EDUCATION

Program Director
Mary Lampe

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

Pediatric Out of OR Sedation

- Dr. Norman Buckley, MD, FRCPC
Chair, Department of Anesthesia Faculty of Health Sciences, McMaster University
Director, Pain Fellowship Program
Hamilton Health Sciences Centre
May 30, 2007

Evidence Based Perioperative Risk Reduction

- Dr. Scott Beattie, MD, PhD, FRCPC
R. Fraser Elliot Chair in Cardiac Anesthesia
Director of Clinical Research & Preoperative Assessment
Deputy Chief of University Health Network
Associate Professor, University of Toronto
May 9, 2007

Congenital Heart Disease Update

- Dr. Achal Dhir, MD, FRCA
Assistant Professor, Anesthesiology
The University of Western Ontario
Department of Anesthesia & Perioperative Medicine, LHSC-UH
April 25, 2007

Bones & Groans, The Impact of Regional Anesthesia

- Dr. Joseph Kay, MD, FRCPC
Associate Professor of Anesthesia, Sunnybrook Health Science Centre
April 11, 2007

Bones & Groans, State of the Art Orthopedic Anesthesia & Analgesia, A Dialogue

- Dr. Joseph Kay, MD, FRCPC
Associate Professor of Anesthesia, Sunnybrook Health Science Centre
- Dr. Jeff Gollish, MD, FRCSC
Orthopedic Surgery, Sunnybrook Health Sciences Centre
April 10, 2007

Airway Responsiveness and the LMA: Implications During Surgery and Recovery

- Dr. Rachel E. McKay
Associate Clinical Professor of Anesthesia
University of California
December 6, 2006

Thoracic Anesthesia Update

- Dr. George W. Kanellakos, MD
Anesthesiologist, Toronto General Hospital
November 22, 2006

Aitken Lecture - The Two Kinds of Stroke are Now Treatable

- Dr. Garnette Sutherland
November 10, 2006

Southwestern Ontario Anesthesiologist's Meeting, Airway Management Adjuncts

- Dr. Ivan Iglesias, Coordinator
Assistant Professor of Anesthesia, University of Western Ontario
Department of Anesthesia & Perioperative Medicine - LHSC-UH
October 14 - 15, 2006

Depth of Consciousness & The Role of the BIS Monitor in the OR

- Dr. Scott D. Kelly, MD
Vice President & Medical Director, Aspect Medical Services
October 4, 2006

What's New in OB Anesthesia 2006?

- Dr. Holly Muir, MD, FRCPC
Vice Chair Clinical Operations, Department of Anesthesiology
Chief, Division of Women's Anesthesia
Duke University Medical Centre
September 27, 2006

Each subspecialty program presents a clinical update every two years on a rotational basis. The CME city-wide 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

- 2007 Emerging Leaders in Medical and Dental Education
Richard Ivey School of Business

Dr. Robert Banner

- Diplomate American Academy of Pain Management - Exam Successful
September 2006
- Member American Academy of Orthopedic Medicine
January 2007
- Neural Therapy Retreat
Presentation of Low Level Laser Therapy in Successfully Treating CRPS
Ottawa, ON
February 2007
- Operating Room Nursing Rounds on the Use of Low Level Laser Therapy for
Pain Treatment
February 2007
- London and District Operating Room Nurses Association Presentation
Neural Therapy and Autonomic Response Testing
March 2007
- Anesthesia Grand Rounds on Complementary Therapies in Pain Treatment
Victoria, BC
May 2007

Dr. Lois Champion

- Undergraduate Education
Course Coordinator - Epidemiology Year 1
Course Coordinator - Epidemiology Year 2
Course Coordinator - Emergency Care Course Year 2
Course Coordinator - Legal, Ethical and Organization Aspects of Medicine Year 4
- Lecturer
Cardiovascular Physiology and Cardiovascular Pharmacology
- Patient Centered Learning Tutor
- Member of Simulator Teaching Program

Dr. Rosemary Craen

- Resident Seminar, January 24, 2007
- Lecturer
CNS Anatomy/Physiology/Pharmacology
- Parallel Track Practice Oral Examinations
December 7, 2006, January 30, April 22, May 2, May 24, May 31, 2007
- Medical Council of Canada Qualifying Examination Part II Examiner
April 29, 2007

Dr. Steven Dain

- Resident Core Seminar
Lecture, Gas Monitoring, Capnometry & Pulse Oximetry
March 14, 2007
- Resident Core Seminar
Lecture, The Anesthesia Machine
April 18, 2007

Dr. Achal Dhira

- 4th Year Medical Student LMCC
Preparatory Lecture on Anesthesiology
- 3rd Year Medical Student Seminars
Pre Anesthetic Evaluation and Preparation
- 2nd Year Medical Students
Facilitator and Advisor Faculty Member for Global Research Opportunities in Health (GROH) - a medical student initiated program for research in developing countries

- 1st Year Medical Students PCCIA Sessions
- IV Insertion Training Sessions to Medical Students
- Interviewer for Applicants for UWO MD Program
- Dental Student Lecture
Introduction to General Anesthesia
November 29, 2006
- PACU Nurses
In Service Sessions
 - 1) Chronic Pain Syndrome
 - 2) Case Discussion
 - 3) Fluid Balance and Perioperative Fluid Requirements
 - 4) Commonly Used Drugs in the PACU
- OR Nurses Orientation Lecture
ABC - Anesthesia Basics for Circulating Nurses
- Respiratory Therapist
Invited Lecture
Anesthesia Overview, October 20, 2006
Interactive Sessions with Respiratory Therapist Students
- Departmental Grand Rounds Presenter
Congenital Heart Disease (update), April 2006
- Departmental Quality Assurance Rounds Presenter
Myocardial Preconditioning, May 2006
- Anesthesia for Liver Transplant - Challenges and Special Considerations
- Two Case Presentations
Orthotopic Liver Transplantation and Pulmonary Embolism
Eisenmenger Syndrome and Pheochromocytoma
- Departmental TEE Rounds Presenter
TEE 2-D Comprehensive Examination
- Liver Transplantation Educational Activities
Presenter, Liver Anesthesia Journal Club, January 2007
Coordinator, Liver Transplant Anesthesia Journal Club, 4 times a year
- Coordinator, Liver Transplant Anesthesia Fellows' Seminars
Anti-fibrinolytics and OLT - Pro and Con
DCD and Liver Transplantation
Porto-Pulmonary HTN and Hepato-Pulmonary Syndrome
Hepato-Renal Syndrome
Coagulopathy

- TEE Lecture for the Residents
Comprehensive TEE Examination, May 3, 2007
Comprehensive TEE Examination, May 10, 2007
Basic Views and Hemodynamic Calculations, May 31, 2007

Dr. Shalini Dhir

- Outcomes of Regional Anesthesia for anesthesia residents
- Complications of Brachial Plexus Block for anesthesia residents
- Obstetric Analgesia: an overview for OB/GYN residents

Dr. Sugantha Ganapathy

- The Annual Varkey Regional Anesthesia and Anatomy Workshop was conducted successfully with guest faculty from University of Toronto and local faculty

Dr. Jeff Granton

- Top 20% Clinical Teacher (Anesthesia)
- Resident Teacher of the Year Award (06/07)
- Lecturer Cardiac Physiology - Schulich School of Medicine and Dentistry/UWO Year One
- Coordinator of Cardiac Anesthesia Fellowship Program - Schulich School of Medicine and Dentistry/UWO
- Associate (CSRU) Program Director - Adult Critical Care Fellowship Program Schulich School of Medicine and Dentistry/UWO
- Associate Director of Anesthesia/Critical Care Simulation Program Schulich School of Medicine and Dentistry/UWO
- Lecturer Critical Care Junior and Senior Resident Seminar Series Schulich School of Medicine and Dentistry/UWO
- Lecturer Anesthesia Residency Training Program - Education Half Day Series Schulich School of Medicine and Dentistry/UWO
- Education Coordinator: Canadian Critical Care Society

Dr. Ivan Iglesias

- PCCIA Program Tutor, Meds 1, Trimester 1 2006/7
- PCCIA Program Tutor, Meds 1, Trimester 2 2006/7
- Resuscitation Medicine Class, Meds 4, January through April 2007
- 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
April 2007, October 2007
- Interviewer for Candidates for Admission to UWO Schulich School of
Medicine & Dentistry
March 2007
- Meds 3, Airway Assessment and Management
July 2006, October 2006, January 2007, April 2007

Presentations TEE Rounds University Hospital

- Basic Intraoperative TEE Exam
June 2006, September 2006
- Physics of Ultrasound
June 2006, September 2006, February 2007
- Hemodynamic Assessment using TEE
July 2006, November 2006, February 2007
- Transesophageal Echo Examination of Aortic Valve, 2-D, Colour and Doppler Exam
July 2006, December 2006, March 2007
- TEE Aided Decision in Unstable Patients
August 2006
- Indications and Safety of Transesophageal Echocardiography
August 2006
- Hemodynamics Mock Exam
November 2006, February 2007
- Mock TEE Video Exam
January 2007, April 2007
- Mock Ultrasound Physics Exam
January 2007, April 2007
- Diastolic Function Assessment
March 2007
- Hemodynamics Exam
April 2007
- Ischemic Mitral Regurgitation
May 2007
- Intraoperative Assessment of Mitral Valve for Repair
May 2007

Didactic Teaching - Consultants University Hospital

- Preparation for Certification Exams in Competency in Perioperative TEE (National Board of Echocardiographers, USA)

Dr. Ian McConachie

- Part of a small group tasked by ACUDA to develop a national curriculum template for thermoregulation
- Resident's Lecture Programme
How to Read and Evaluate a Paper
August 23, 2006
- Southwestern Ontario Airway Workshop
Fibreoptic Intubation
October 14, 2006
- Perioperative Grand Rounds
ACE Inhibitors
October 18, 2006
- Resident's Lecture Programme
Cardiac Risk and Anaesthesia
November 22, 2006
- Perioperative Grand Rounds
Diabetes in the Perioperative Period
January 17, 2007
- Resident's Lecture Programme
Differences Between Working in Canada and the UK
June 13, 2007

Dr. Patricia Morley-Forster

- Opioids for Chronic Non-Cancer Pain. Do They Cause More Harm Than Good?
AIM Family Practice Clinic, London, ON
July 2006
- Fibromyalgia, Are We Making Any Progress?
Fibromyalgia Support Group, London, ON
September 2006
- Pain in the Older Person, A Public Forum Sponsored by Canadian Pain Society and Canadian Pain Coalition to Increase Awareness of 2007
The Year of Pain in the Elderly, Shuttleworth Auditorium, London, ON
April 2007

- Neural Blockade in The Management of Lumbar Spinal Pain Lecture in Musculoskeletal System Course for Meds II
December 2006
- Role of Nerve Blocks in Diagnosis and Treatment of Chronic Pain
Lecture to Med IVs
Pain and its Management in the New Millennium
March 2007

Dr. John Murkin

- Invited Speaker, Case Presentation, University Hospital
Cerebral Oximetry, Tissue Perfusion and Outcomes in Cardiac and Neurosurgical Patients: Study Updates
August 30, 2006

Dr. Fiona Ralley

- Site Specific Rounds, University Hospital
PBCP: Lessons Learned, So What is Next?
November 8, 2006
- Cardiac Surgery M&M Rounds, University Hospital
Coronary Artery Bypass Surgery and Blood Conservation
December 13, 2006
- CSRU Fellows Teaching Rounds
Perioperative Blood Conservation
November 30, 2006

Dr. Valerie Schulz

- Educating Future Physicians in Palliative and End of Life Care (EFPPEC)
Curriculum at the Schulich School of Medicine & Dentistry
- Making Change Happen
Education Symposium in Palliative and End of Life Care, EFPPEC
Conference 2007, Canadian Society of Palliative Care Physicians
Toronto, Ontario
November 3, 2007

Dr. Indu Singh

- Resident Morning Rounds
Management of PDPH in the Obstetric Patient
September 2006, May 2007

- Resident Morning Rounds
Troubleshooting Epidurals in the Delivery Room, Mission Impossible?
March 2007
- OR Nursing Students Lecture
General Anesthesia, the A,B,C's
November 2006
- Medical Students
Surgical & Nonsurgical Management of Upper Airway Obstruction
March 2007
- Medical Students
Hands-on Airway Workshop
March 2007
- Practice Oral Exams
December 2006, February 2007, May 2007
- Resident Academic Half Day Lecture
Neuraxial Anesthesia, Comfortably Numb
May 2007

Dr. Sal Spadafora

- Meds2 Patient Centered Learning
November 2006 - June 2007

Dr. Timothy Turkstra

- 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

- Executive of the Ontario Society of Physicians for Complementary Medicine
- Diplomate American Academy of Pain Management, September 2006
- Member American Academy of Orthopedic Medicine, January 2007
- Editorial Board of the Journal of Complementary and Integrative Medicine and Reviewer for the Canadian Journal of Anesthesia and Canadian Family Physician

Dr. Lois Champion

- Teaching Award
University Student Council Teaching Honours Roll Award of Excellence,
Honourary President, Meds 2010

Dr. Achal Dhira

- Passed the Certification Exam in Competency in Perioperative TEE (National Board of Echo Cardiographers, USA)
- Best Undergraduate Teacher of the Year
- Top 20% Clinical Teacher for Residents
- Secretary and Founding Member, Canadian Anesthesia Transplant Interest Group CAS
- Certificate of Appreciation to Department of Anesthesiology and Perioperative Medicine by Fanshawe College for Educating Respiratory Therapist Students, October 2006

Dr. Shalini Dhira

- Best of Meeting Award
American Society of Regional Anesthesia Annual Meeting
Vancouver, Canada April 19-22, 2007

Dr. Ivan Iglesias

- Fellow Teacher of the Year Award
June 2007

Dr. Ngozi Imasogie

- Top 50 Posters at CAS Calgary 2007
Ultrasound Guided Axillary Brachial Plexus Block, Single vs Triple Injection
- Best Case Reports CAS 2007
Anesthetic Management of a Parturient with Carcinoid Disease
by Bruna I, Woo K, Imasogie N, Singh I

Dr. Valerie Schulz

- Pilot study to determine the transition needs of adolescents and adults with Duchenne Muscular Dystrophy
Neuromusc Dis 2007;17:864
Viana R, LaDonna K, Koopman W, Campbell C, Schulz V, Venance S
London Health Sciences Centre, London, Canada
World Muscle Society, WMS-12 Congress, Sicily, Italy, October 17 - 20, 2007
Elsevier Membership Award for "A presentation of exceptional merit"

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

- Dean's Award of Excellent in Education (Postgraduate)
June 2007
- UWO Students' Council Award of Excellence in Medical Education
December 2006

Dr. Patricia Morley-Forster

- Interviewed by *Vim and Vigour* on Chronic Pain (Amy Lynn Smith)
Fall 2006
- Interviewed by Mary Jane Egan at *London Free Press*
Getting Older Bigger Pain
April 26, 2007

London Health Sciences Centre
Victoria Hospital





FACULTY PARTICIPATION NATIONALLY AND INTERNATIONALLY

CONFERENCE CHAIR/MODERATOR ORGANIZER

Dr. Neal Badner

- Member, Scientific Program Committee, Can-Am Anesthesia Conference, 1998 - Present
- Moderator, Perioperative Medicine, Canadian Anesthesiologists' Society, 63rd Annual Meeting, Calgary, Alberta
June 26, 2007
- Chair, Canadian Anesthesiologists' Society Research Advisory Committee, 2007 - Present

Dr. Daniel Bainbridge

- IACTA Chandigarh, India
Moderator
Valvular Assessment
February 2007
- The Winter Cardiac Team Meeting Mont-Sainte-Anne, QC
Moderator
Issues in Aortic Valve Replacement
TEE Valve Workshop
Scientific Abstracts I
February 2007
- The Southwestern Ontario Anesthesia Meeting and Airway Workshop London, ON
Co-Organizer
October 2006

- The Winter Cardiac Team Meeting, Mont-Sainte Anne, QC, Scientific Committee Member
February 2007

Dr. Lois Champion

- Faculty Development UWO - Writing Effective Multiple Choice Questions

Dr. Davy Cheng

- Moderator
Best Practice in Cardiac Surgery and Surgery
25th Annual Symposium Clinical Update in Anesthesiology
Aruba
January 19, 2007
- Chair, CPB Panel
10th Annual Conference of Indian Association of Cardiothoracic & Vascular Anesthesiologists (IACTA)
Chandigarh, India
February 24, 2007
- Scientific Exhibit Judging
IARS 81st Clinical and Scientific Congress
Orlando, Florida
March 24, 2007
- Moderator
Understanding Aortic Valve Pathology
Society of Cardiovascular Anesthesiologists 29th Annual Meeting & Workshops
Palais des Congrès de Montréal, Montreal, QC, Canada
April 22, 2007
- Moderator
CVT Poster Session
CAS Annual Meeting
Calgary, Alberta
June 24, 2007

Dr Rosemary Craen

- Reading and Writing Workshop, LHSC/UH, Organizer
January 5, 2007
- Chair, Annual Meeting, Canadian Anesthesiologist's Society Annual Meeting,
Calgary, Canada
June 22-27, 2007

- Chair in Plenary Symposium Canadian Anesthesiologist's Society Annual Meeting, Calgary, Canada
June 23, 2007

Dr. Achal Dhira

- Member of Editorial Board of Annals of Cardiac Anesthesia
- Chairman/Moderator in a session on Advanced Echo, IACTA, Chandigarh, India
February 21, 2007
- CME Coordinator (Overseas) for IACTA 2007, Chandigarh, India
- Workshop Conductor/Demonstrator on TEE in Indian Society of Neuroanesthesia and Critical Care (ISNACC) Annual Conference, Delhi
February 9-11, 2007
- Reviewer, Annals of Cardiac Anesthesia, Reviewed 2 articles

Dr. Steven Dain

- Canadian Anesthesiologists' Society Annual Meeting
Calgary, AB
Member, CAS Patient Safety Committee
Member, Standards of Care Committee
Presenter, Activities of the CSA Anesthesia Technology Committee
June 23-24, 2007
- CAS Technical Committee on Anesthesia, Respiratory Care and Critical Care Equipment
Meeting Chair
June 23, 2007
- Standards Committee Meeting, ISO Technical Committee 121 & ISO/TC121/SC1 & 3
Head of Canadian Delegation
San Diego, CA
June 11-15, 2006
- Outcomes 2007
Co-Organizer
Director of Multimedia
Barbados, WI
May 10-13, 2007

- The Winter Cardiac Team Meeting 2007
Co-Organizer & Scientific Committee Member
Director of Multimedia
Mont-Sainte Anne, QC
February 15-19, 2007
- Standards Committee Meeting, ISO TC 121/SC3
Workshop Chair & Member of Drafting Committee
Head of Canadian Delegation
Christchurch, NZ
January 28 - February 2, 2007
- 2006 Southwestern Ontario Anesthesia Meeting - Airway Workshop
Workshop Demonstrator
Member, Organizing Committee
London, ON
October 14-15, 2006
- ISO Annual Meeting
ISO & Canadian Standard of Canada - Open Session Symposium
Healthcare Global Challenges & Opportunities for International Standards
Ottawa, ON
Role, Participant Representing ISO Technical Committee 121
Chair Dr. Ron Greenbaum
September 14, 2006

Dr. Shalini Dhir

- Instructor
Thoracic Epidural and Lower Extremity Blocks using Nerve Stimulation and Ultrasound
Canadian Anesthesia Society Annual Meeting
June 24, 2007
- Instructor
Advanced Ultrasound for Deep Regional Blocks
Canadian Anesthesia Society Annual Meeting
June 25, 2007
- Instructor
Basic Ultrasound for Superficial Upper Extremity Blocks
Canadian Anesthesia Society Annual Meeting
June 25, 2007

- Instructor
Varkey Continuous Catheter Regional Anesthesia and Anatomy Workshop
University of Western Ontario
2006

Dr. Ivan Iglesias

- Organizer
South Western Ontario Anesthesia Meeting and Airway Workshop
took place at the London Convention Centre and CSTAR on October 14 and 15, 2006, 110 people from Yukon, Quebec, Ontario (London, Kingston, Toronto, Hamilton, Windsor) attended. Sessions on basic and advanced airway management were concurrently held, very positive feedback from the audience. The Workshop for 2007 will feature advanced simulation stations as a new feature. Attendance is increasing each year.
- Organizer
Winter Cardiac Team Meeting, Mont-Sainte-Anne, QC
February 15-19, 2007
- Moderator
Scientific Abstracts Presentation, Winter Cardiac Team Meeting
Mont-Sainte-Anne, QC
February 15-19, 2007
- Moderator
TEE Symposium, Winter Cardiac Team Meeting, Mont-Sainte-Anne, QC
February 15-19, 2007
- Organizer
Evidence Based Preoperative Assessment Interactive Workshop,
Windermere Manor, London, ON
March 29, 2007
- Organizer
Resuscitation Medicine Course, Medicine Program
Schulich School of Medicine, UWO
January - April 2007
- Organizer
Friday Trouble Rounds at University Hospital
Anesthesia Residency Program

Dr. Ngozi Imasogie

- Workshop Demonstrator Regional Blocks
CAS 2007

Dr. John Murkin

- The Winter Cardiac Team Meeting 2007
Mont Sainte-Anne, QC
Meeting Organizer & Conference Chair
February 15-19, 2007
- Annenberg Center's PARI Experts Summit Meeting
Rancho Mirage, CA
Faculty
April 13-14, 2007
- Outcomes 2007, The Key West "Barbados" Meeting
Barbados, WI
Meeting Co-Organizer
Session Moderator
May 8-12, 2007

Dr. Indu Singh

- Moderator
Obstetric Anesthesia Session
Midwest Anesthesia Residents' Conference 2007.
- Moderator
Residents' Session, SOAP Annual Conference 2007
- Judge
Residents' Research Competition, CAS Annual Meeting 2007
- Demonstrator
Varkey Continuous Catheter Workshop 2006
Above & Below Clavicle Ultrasound Guided Brachial Plexus Blocks
- Demonstrator
MORE OB Workshop 2007
Postpartum Hemorrhage
- Presenter
Poster, Comparison of Learning Outcomes in Obstetric Anesthesia in Residents
Using Computer Assisted Multimedia Instruction or Printed Text
presented at GAMES Education Symposium
October 2006

Dr. Patricia Morley-Forster

- Chair, Academic Pain Clinic Directors of Canada (Elected Position) 2005 - 2007
- Canadian Pain Society Executive (Invited Position) 2006 - 2008

Dr. Sal Spadafora

- Chair, CAS Section on Education in Anesthesia
June 2007
- Chair, ACUDA Education
June 2007

Dr. James Watson

- CPSO Assessor for 8 Physician Peer Assessments
This is a very important role in ensuring quality of care in pain management across the Province of Ontario

INVITED LECTURES/VISITING PROFESSORSHIPS

Dr. Neal Badner

- Vascular Anesthesia Update and Preoperative Assessment of the Cardiac Patient for Non-Cardiac Surgery. Anesthesia Alberta 2007, Jasper Park Lodge, Alberta, February 16-18, 2007

Dr. Daniel Bainbridge

- Chinese Anesthesiology Society Canada-China Symposium
Invited Speaker Lecture
Non-Cardiac Surgery Following Percutaneous Coronary Stenting
September 2007
- CAS Invited Speaker Refresher Course Lecture
Perioperative Renal Dysfunction, the “P” Factor
June 2007
- CAS Invited Speaker Resident Day Lecture
Managing Arrhythmias in the OR - Applying the New ACLS Guidelines
June 2007
- Saudi Aramco Visiting Professor
June 2007
- Grand Rounds Lecture, Perioperative Myocardial Infarction, What’s New
- Saudi Aramco Visiting Professor Cardiac Rounds Lecture
HITT in Cardiac Surgery
June 2007

- SCA Invited Speaker Lecture
Percutaneous Aortic Intervention, Anesthesia Management and Outcomes
April 2007
- IACTA, Chandigarh, India
Invited Speaker Lecture
Left Ventricular Function/Dysfunction
February 2007
- IACTA, Chandigarh, India
Invited Speaker Lecture
TEE for Device and Catheter Placement
February 2007
- IACTA, Chandigarh, India
Invited Speaker Lecture
Imaging Guidance in Off Pump CABG
February 2007
- IACTA, Chandigarh, India
Invited Speaker Lecture
Beating Heart Cardiac Surgery, Current Status and Evidence
February 2007
- The Winter Cardiac Team Meeting, Mont-Sainte-Anne, QC
Pro/Con Debate, Bivalaruidin for Emergency CABG
February 2007
- The Winter Cardiac Team Meeting, Mont-Sainte-Anne, QC
Invited Speaker Lecture, 3-D Imaging for Beating Heart MVR
February 2007
- 25th Annual Symposium Clinical Update in Anesthesia, Surgery
and Perioperative Medicine, Aruba
Invited Speaker Lecture, The Kidney and Cardiac Surgery, an
Evidence-Based Review
January 2007
- MCAII Workshop, Augmented Reality for Closed Intracardiac
Interventions
July 2006
- TGH Perioperative TEE Symposium, Invited Speaker Lecture
TEE Unknowns Lecture, TEE for Minimally Invasive Cardiac Surgery
November 2007

- Ontario Anesthesia Meeting Lecture
TEE for Minimally Invasive Cardiac Surgery Lecture, How Much is a Human Life Worth?
September 2007
- Department of Anesthesia, Kitchener, ON
Visiting Professor Lecture
Effect of Inhalational Anesthesia on Myocardial Protection
November 2006
- Perfusion Services LHSC-UH Invited Speaker Lecture
Effect of Inhalational Anesthesia on Myocardial Protection
October 2006
- The Southwestern Ontario Anesthesia Meeting and Airway Workshop Invited Speaker Lecture
The Laryngeal Mask Airway
October 2006
- Department of Anesthesia and the Department of Perfusion Services, St. John's, NL
Visiting Professor Lecture
HES in Cardiac Surgery
October 2006
- OMA CAS Annual Meeting Hamilton, ON
Visiting Professor Lecture
Operating Room Risks and Realities
September 2006

Dr. Lois Champion

- Invited Speaker
Ontario Critical Care Review Course - Nutrition
- Invited Speaker
Annual Critical Care Event Simulation Course
- Instructor
Ontario Critical Care Outreach Course
- Invited Speaker
Legal and Ethical Aspects of End of Life Care, End of Life Care Symposium LHSC
- Invited Instructor
Provincial - Critical Care Outreach Educational Program
- Provincial Critical Care Outreach Program
Developed Modules on Breathing, Acid-Base Balance, Radiograph Interpretation, Including Book Chapter

- Member, Ontario Critical Care Working Group, Admission, Discharge and Triage

Dr. Davy Cheng

- International Heart Forum Beijing (Organized by the National Center for Cardiovascular Diseases Prevention and Research of China) Beijing, P. R. China
Invited Speaker
Lecture: Advancement & Outcomes in Cardiac Surgery: Off-pump CAB and Transmyocardial Revascularization
August 19-21, 2006
- 10th International Congress of Cardiothoracic and Vascular Anesthesia
Prague, Czech Republic
Invited Speaker
Lecture: Combined GA & Epidural Anesthesia During Cardiac Surgery
August 27-30, 2006
- Tokyo Women's Medical University, Tokyo, Japan
Invited Speaker
Lecture: Beating Heart and Robotic Surgery: Outcome and Perioperative Management
September 13, 2006
- Jikei University, Tokyo, Japan
Invited Speaker
Lecture: Common Problems in Adult Cardiac ICU
September 14, 2006
- Japanese Society of Cardiovascular Anesthesiology 11th Annual Meeting
Nagasaki, Japan
Invited Speaker
1) Lecture: Common Problems Post Cardiac Surgery
2) Lecture: Best Practice in Blood Transfusion Management in Cardiac Surgery
September 16-17, 2006
- SCA Breakfast Panel "Racial and Gender Outcome Differences in Cardiovascular Anesthesia and Medicine
American Society of Anesthesiologists Annual Meeting
Chicago, IL
Invited Panel Speaker: Lecture: Cardiovascular Outcomes in Canada versus USA
October 14, 2006

- Combined Winter ISMICS & ASCTS Conference
Cairns, Australia
Invited Speaker
Lecture: Meta-Analysis and Consensus Conference Statements in Transmyocardial Revascularization
October 24-28, 2006
- The College of Anesthetists Hong Kong, Annual Scientific Meeting
Hong Kong, China
Invited Speaker
 - 1) Lecture: The Past, Present and Future of Cardiac Anesthesia
 - 2) Lecture: Robotic Cardiac Surgery and Anesthesia
 - 3) Lecture: Anaesthesia for Minimal Invasive Cardiac Surgery
 November 18-25, 2006
- Commissioned Training of Hospital Authority of Hong Kong
Prince of Whales Hospital, Hong Kong, China
Lecture: Quality Assurance in Cardiac Anesthesia
November 20, 2006
- Commissioned Training of Hospital Authority of Hong Kong
Queen Elizabeth Hospital, Hong Kong, China
Lecture: Pearls in Postoperative Management Cardiac Surgical Patients
November 22, 2006
- Commissioned Training of Hospital Authority of Hong Kong
Grantham Hospital Hong Kong, China
Lecture: Anesthesia For Cardiac Patient Undergoing Non-Cardiac Surgery
November 24, 2006
- University of Chicago and Critical Care Annual Clinical Update
Challenges for Clinicians
St. John, US Virgin Islands
Invited Speaker
 - 1) Lecture: OPCAB Surgery: Perioperative Management and Evidence Based Outcomes
 - 2) Lecture: Best Practice in Blood Transfusion Management in Cardiac Surgery
 January 22-27, 2007
- 13th Annual Winterlude Symposium, University of Ottawa
Gatineau, QC
Invited Speaker
 - 1) Lecture: Perioperative Coagulopathy: Detection, Monitoring and Management
 - 2) Workshop: Transfusion Best Practice in Cardiac Surgery
 February 3-4, 2007

- Winter Cardiac Team Meeting 2007
Mont Sainte Anne, QC
Invited Speaker
Lecture: Failed PCI on Plavix to the OR
February 15-19, 2007
- 10th Annual Conference of Indian Association of Cardiothoracic & Vascular Anesthesiologists (IACTA)
Chandigarh, India
Invited Speaker
1) Lecture: OPCAB Surgery: Perioperative Management and Evidence Based Outcomes
2) Lecture: The Future of Cardiac Anesthesia
February 23-25, 2007
- OHA Blood Management Conference
Toronto, Ontario
Invited Speaker
Lecture: Perioperative Coagulation and Blood Management of Non-Cardiac Surgery Patients with Coronary Stents
April 13, 2007
- Society of Cardiovascular Anesthesiologists 29th Annual Meeting and Workshops
Montreal, QC
Invited Speaker, PBLD Lecture: Economics of Fast Tracking: Are Expensive Drugs Necessary?
April 23, 2007
- National Heart Centre/Singapore General Hospital
Invited Speaker
Lecture: Robotic Surgery and OPCAB
May 3, 2007
- 3rd International Chinese Cardiovascular Anesthesia Forum (ICCAF)
Singapore
Invited Speaker
Lecture: Beating Heart and Robotic Surgery: Outcome and Perioperative Management
May 5, 2007
- University of Missouri, Columbia, USA
Visiting Professor
Lecture: Fast Track Cardiac Anesthesia: Admission to Discharge
May 29, 2007

- University of Washington, St Louis, USA
Visiting Professor
1) Lecture: Fast Track Cardiac Anesthesia On-Pump or Off Pump CABG
2) Lecture: Cardiac Surgery Recovery Care
May 30, 2007
- ISMICS Annual Scientific Meeting 2007
Rome, Italy
Invited Speaker
Lecture: Consensus Conference Statements - VATS
June 7, 2007
- 33rd Annual Refresher Course
Mexican College of Anesthesiology and Perioperative Medicine
Mexico City, Mexico
Invited Speaker
1) Lecture: The Past, Present and Future of Cardiac Anesthesia
2) Lecture: Transfusion Best Practice in Cardiac Surgery
June 9, 2007
- Association of Cardiothoracic Anesthetists Annual Meeting
Cambridge, UK
Invited Speaker, Lecture: ON or OFF Pump Surgery:
Do We Finally Know Which is Better?
June 20-22, 2007
- Canadian Anesthesiology Society 63rd Annual Meeting, Calgary, Alberta
Invited Speaker
PBLD: Emergent ACB in Failed PCI Patients on Clopidogrel and
Anti-platelet Agents
June 22-26, 2007

Dr. Steven Dain

- Joint Workshop on High Confidence Medical Devices, Software & Systems & Medical Device Plug-and-Play Interoperability
Panelist - Clinical Need for Medical Device Plug-and-Play Interoperability
Invited Speaker
Lecture, Historical Aspects of Improving Patient Safety through Medical Device Interoperability & High Confidence Software
Cambridge, MA
June 25-27, 2007

- Institute of Biomaterials and Biomedical Engineering
University of Toronto, Toronto, ON
Visiting Professor
Lecture, Anesthesia Technology & Clinical Biomedical Engineering
March 21, 2007
- The Winter Cardiac Team Meeting 2007
Invited Speaker
Lecture, Database Analysis & Critical Incident Analysis
Mont-Sainte Anne, QC
February 15-19, 2007
- GAMES Education Symposium 2006
Invited Speaker
Lecture, Virtual Workshop in Pain Mechanisms, Assessment and Management
October 5, 2006

Dr. Achal Dhir

- Invited Lecture
Perioperative Considerations for the Oncology Patient for Perioperative Nurses
Annual Educational Event, London, ON
January 25, 2007
- Invited Lecture in CAS
Symposium on Transplantation (Severe Hepatic Dysfunction and Kidney Dysfunction),
June 25, 2007
- Invited Lecture Series
Good Health and Graceful Aging - by Choice, not by Chance for
Staff of Punjab National Bank, Delhi, September 8, 2006
International Medical Science Academy (IMSA), September 14, 2006
Officers' Seminar of the State Bank of India, Delhi, September 16, 2006
Judiciary Officers at Tis Hazari Courts, Delhi, September 18, 2006
Biochemistry Department, LHSC, December 4, 2006
- Invited Lecture
Perioperative Pain Management - The Annual Conference of Orthopedic Surgeons of India, UP Chapter
February 17, 2007
- Invited Lecture
Basic TEE Exam - The TEE Workshop, IACTA
Chandigarh, India
February 21, 2007

- Invited Lecture
Right Ventricular Function/Dysfunction - The TEE Workshop, IACTA
Chandigarh, India
February 21, 2007
- Invited Demonstration
Interesting Cases of TEE - The TEE Workshop, IACTA
February 21-22, 2007
- Invited Lecture
Myocardial Preconditioning - IACTA
Chandigarh, India
February 23, 2007
- Invited Lecture
Heparin Resistance, IACTA
Chandigarh, India
February 24, 2007
- Department of Anesthesia and Intensive Care, GB Pant Hospital
New Delhi, India
An Update on the Anesthetic Management of a Patient Undergoing
Liver Transplantation
September 11, 2006
- Department of CTV Surgery, Ram Manohar Lohia Hospital
Delhi, India
Experience of Perioperative TEE
September 19, 2006
- Department of Anesthesia, Kasturba Medical College,
Manipal, India
Anesthesia for Liver Transplantation - Challenges and Special Considerations
July 14, 2007

Dr. Shalini Dhir

- Multimodal Analgesia in Varkey Continuous Catheter Regional Anesthesia
and Anatomy Workshop
University of Western Ontario
December 2006

Dr. Sugantha Ganapathy

- Dr. Dhir, Dr. Armstrong, Dr. Imasogie and Dr. Ganapathy took part as
demonstrators in workshops at the annual ASRA meeting

- Dr. Dhir, Dr. Imasogie and Dr. K Armstrong were workshop demonstrators at the annual CAS meeting in June 2007
- Went as a visiting faculty member to the University of Hull to demonstrate ultrasound guided regional blocks in November 2006
- Gave lectures at the annual OAPRS meeting
 1. Ultrasound Guidance Should be the Standard of Care with Regional Anesthesia
 2. Stimulating Catheters Should be the Standard of Care with Regional Blocks
- Gave a workshop on ultrasound guided regional blocks during the OAPRS meeting
- Went as a Guest faculty member for the Biannual Regional Anesthesia Workshop at the M D Anderson Cancer Centre, University of Texas in January of 2007. She gave a lecture on upper and lower limb blocks.
- Provided teaching during the hands on component and in the piglab with the workshop
- Was an invited lecturer for the annual Anesthesia Meeting by the University of Texas in Austin, TX March 2007

Dr. Jeff Granton

- Southwestern Ontario Anesthesia Meeting
London, ON
Lecture, Airway Management with Head Trauma
October 2006
- Making a Mark, Resident Exam Preparation Course
Banff Alberta
Guest Oral Examiner
February 2007
- Programmatic Blood Conservation in Cardiac Surgery
Presented at The Winter Cardiac Team Meeting
Mont St-Anne, QC
February 16, 2007
- Pharmacological Blood Management
Ontario Hospitals Association Meeting on Blood Management and Conservation: Reducing Blood Utilization, Improving Outcomes and Enhancing Patient Safety
Toronto, ON
April 13, 2007

- Perioperative Blood Conservation, The Who, The When and The How
Presented at Combined Grand Rounds
Saint John Regional Hospital, NB
May 16, 2007

Dr. Ian McConachie

- Differences between working in Canada and the UK
Blackpool, England
May 22, 2007

Dr. John Murkin

- Evening Journal Club Educational Event
Department of Anesthesia, University of Calgary
Calgary, AB
Visiting Professor
Lecture, Managing the High Risk Patient in CABG Surgery
June 21, 2007
- Brain Injury & Cardiac Surgery Symposium
Birmingham, England
Invited Speaker
Lecture, Cerebral Oximetry & Systematic Outcomes in Cardiac Surgery, Using the Brain as the Index Organ
May 16, 2007
- Outcomes 2007, The Key West Barbados Meeting
Meeting Co-Organizer
Session Moderator
Speaker
Lecture, Cerebral Autoregulation, the Role of CO₂ in Metabolic Homeostasis
Lecture, Cerebral Oximetry, Systemic Outcomes Using the Brain as the Index Organ
Barbados, WI
May 8-12, 2007
- OR Monitoring Society - New York
New York, NY
Invited Speaker
Lecture, Near Infra-red Spectroscopy
May 5, 2007

- ACTS 2007, Advanced Cardiac Techniques in Surgery
New York, NY
Invited Speaker
Lecture, Progress in Cerebral Protection in Cardiac Surgery
Lecture, Current Status of Cerebral Protection in Cardiac Surgery Patients
May 2-3, 2007
- 28 Congresso SEDAR & 13 Congresso Hispano-Luso De Anesthesiologia
Valencia, Spain
Invited Speaker
Lecture, Neurosurgery & Neurotrauma
Lecture, Usage of Antifibrinolytic Agents in Neurosurgery & Neurotrauma
April 26-28, 2007
- Society of Cardiovascular Anesthesiologists
29th Annual Meeting and Workshops
Montreal, QC
Invited Speaker
Lecture, Near Infra-red Cerebral Monitoring
April 23, 2007
- Cardiac Update, Improving Patient Outcomes in Cardiac Surgery
Toronto, ON
Program Chair
Invited Speaker
Lecture, Inflammation & Coagulation in CPB, A Correlation with Ischemia
Repulsion Injury
March 31, 2007
- The Society of Cardiovascular Anesthesiologists (SCA)
12th Annual Update on Cardiopulmonary Bypass
Whistler, BC
Faculty & Invited Speaker
Lecture, Cerebral Autoregulation or Not, The Pathophysiology of the Brain
Lecture, Neuromonitoring, Does it Improve Outcome?
March 18-23, 2007
- Cardiac Update, Improving Patient Outcomes in Cardiac Surgery
Montreal, QC
Program Chair
Invited Speaker
Lecture, Inflammation & Coagulation in CPB, A Correlation with Ischemia
Repulsion Injury
March 10, 2007

- The Winter Cardiac Team Meeting 2007
Mont Sainte-Anne, QC
Conference Chair
Session Moderator, Minimally Invasive Cardiac Surgery
Lecture, Cerebral Oximetry and Systematic Perfusion - Brain as the Index Organ
Lecture, Safety and Efficacy of Procoagulants and Antifibrinolytics: An Update
Clinical Case Conference Presentation: Anticoagulation & Unexpected
Prolonged Bypass
February 15-19, 2007
- Grand Rounds
Mt. Sinai Medical Center & Beth Israel Medical Center
New York, NY
Visiting Professor
Lecture, Systemic Inflammatory Response and CNS Dysfunction
February 1-2, 2007
- 12th Annual Anesthesia Topics in the Tropics
Royal Caribbean's Freedom of the Seas
Invited Speaker
Lecture, Blood Transfusion, Friend or Foe?
Lecture, Antifibrinolytic Usage for Orthopedic Surgery
Lecture, Hyperglycemia, A Hidden Hazard
Lecture, Cerebral Oximetry, How, What, and Why?
Lecture, PaCO₂, Clinical Implications of Ventilatory Management
Lecture, Best Practices CPB, An Evidence Based Review of
Literature
Lecture, New Paradigms in Hyperoxia, Hematocrit and Tissue Perfusion
January 21-28, 2007
- 25th Annual Symposium
Clinical Update In Anesthesiology, Surgery & Perioperative Medicine
Aruba, Dutch Caribbean
Invited Speaker
Lecture, Increasing Perioperative HIT Awareness
January 17-19, 2007
- 4th International Meeting of the Onassis Cardiac Surgery Center
Current Advances in Cardiac Surgery & Cardiology
Athens, Greece
Invited Speaker
Lecture, Best Practice Cardiopulmonary Bypass: An Evidence Based Review
November 30 - December 2, 2006

- Annual Scientific Meeting in Anesthesiology 2006
Hong Kong, China
Invited Speaker
Lecture, Update on Neuromonitoring
Lecture, Role of Antifibrinolytics in Adult Cardiac Surgery
Lecture, Haematocrit, Hypoxia, Tissue Perfusion & Outcomes
November 18-19, 2006
- 23rd Annual Scientific Perfusionist's Meeting
Townsville, Australia
Invited Speaker
Lecture, Aprotinin & Evidence Based Adverse Effects
Lecture, Overview of INVOS Cerebral Oximeter
Lecture, Ethics Approval - What, When and How?
October 27-28, 2006
- Bleeding, Coagulation and Transfusion Issues in Cardiothoracic Surgery
Satellite Session: 16th World Congress of the World Society of
Cardio-Thoracic Surgery
Ottawa, ON
Expert Panel Member
Invited Speaker
Lecture, Applied Neuromonitoring in Cardiac Surgery
Plenary Session Lecture, Risks of Perioperative Bleeding and Transfusion
August 19, 2006

Dr. Valerie Schulz

- Canadian Anesthesiology Society Conference
Invited Workshop Chair for Workshop on Palliative Care
Lecture, End of Life Care in Acute Care
Calgary, AB
June 24, 2007
- Ontario Palliative Care Association Conference
Invited Workshop Leader
End of Life Care in ICU/Critical Care
London, ON
April 24, 2007
- Caring for the Palliative Patient in the Acute Care Setting
LHSC Medical Care Conference
Medical Care Conference Organizer
April 17, 2007

Dr. Indu Singh

- Evaluation of Resident Research Using CanMEDS Roles
ACUDA Research Committee
ACUDA Meeting, June 2007

Dr. Sal Spadafora

- Oral Examination Role Play, An Approach to Avoiding Common Difficulties in Oral Examination Performance
SM Spadafora, MD, FRCPC & P Jones, MD, FRCPC
Presented at Making a Mark
Banff, AB
February 2007
- Visiting Professor
Resident Research Day
University of British Columbia
June 2007



FACULTY PUBLICATIONS

PEER REVIEWED PUBLICATIONS

- Suematsu Y, Kiaii B, **Bainbridge D**, del Nido P, Novick R
Robotic-Assisted Closure of Atrial Septal Defect Under Real-Time
Three-Dimensional Echo Guide, In Vitro Study
Eur J Cardiothorac Surg 2007;32:573-6
- Guiraudon G, Jones D, **Bainbridge D**, Peters T
Mitral Valve Implantation Using Off-Pump Closed Beating Intracardiac Surgery,
a Feasibility Study
Interact Cardiovasc Thorac Surg 2007;6:603-7
- Moore J, Guiraudon G, Jones D, Hill N, Wiles A, **Bainbridge D**, et al
2D Ultrasound Augmented by Virtual Tools for Guidance of Interventional
Procedures
Stud Health Technol Inform 2007;125:322-7
- Suematsu Y, Kiaii B, **Bainbridge D**, Novick R
Live 3-Dimensional Echocardiography Guidance for the Insertion of a
Retrograde Cardioplegic Catheter Through the Coronary Sinus
Heart Surg Forum 2007;10:E188-90
- **Bainbridge D, Cheng D, Martin J**, Novick R
Does Off-Pump or Minimally Invasive Coronary Artery Bypass Reduce
Mortality, Morbidity and Resource Utilization When Compared to Percutaneous
Coronary Intervention? A Meta-Analysis of Randomized Trials
Accepted for publication 2007 JCTVS
- **Bainbridge D, Cheng D, Martin J**, Novick R
NSAID Analgesia, Pain Control and Morbidity in Cardiothoracic Surgery,
[L'analgesie avec des AINS, le controle de la douleur et la morbidite en
chirurgie cardiothoracique]
Can J Anaesth 2006;53(1):46-59

- **Bainbridge D, Cheng D, Martin J**
Patient Controlled Analgesia versus Controlled Analgesia in Postcardiac Surgery
A Meta-Analysis
Can J Anesth 53:492-499, 2006
- **Banner R**
Book Review
Neural Therapy, Applied Neurophysiology and Other Topics
Kidd R
Can J Anesth 2006;53:1066
- **Banner R**
Regenerative Injection Therapy and Neural Therapy and Their Roles in the
Treatment of Chronic Pain
Orthopedic Division Review 2006; November/December 24-28
- **Cheng D, Choi P**
Evidence-based Decision Making: Quality of Evidence and Recommendations
(Editorial)
Can J Anesth 53:6-10, 2006
- **Cheng D, Martin J**, and the ISMICS Board of Directors
ISMICS Consensus Statements: Definitions and Terms of Reference
Innovations: Technology and Techniques
Cardiothorac Vasc Surg 1(4):175-179, 2006
- Karkouti K, O'Farrell R, Yau T, Beattie W, for the Reducing Bleeding Cardiac
Surgery (RBC) Research Group (Callum J, **Cheng D**, Dupuis J-Y, Kent B,
Laflamme C, Mazer D, McCluskey S, Rubens F, Sawchuk C)
Prediction of Massive Blood Transfusion in Cardiac Surgery
Can J Anesth 53: 781-94, 2006
- **Cheng D**, Barash P
Is Fast-track Intensive Care Unit Management Still on the Express Track?
Crit Care Med. 34(6): 1826-8, 2006
- Diegleler A, **Cheng D**, Allen K, Weisel R, Lutter G, Sartori M, Asai T, Aaberge L,
Horvath K, **Martin J**
Transmyocardial Laser Revascularization: A Consensus Statement of the
Internationals Society of Minimally Invasive Cardiothoracic Surgery (ISMICS)
2006
Innovations: Technology and Techniques in Cardiothoracic Vasc Surg 1(6):
314-322, 2006

- **Cheng D**, Diegleler A, Allen K, Weisel R, Lutter G, Sartori M, Asai T, Aaberge L, Horvath K, **Martin J**
Transmyocardial Laser Revascularization: A Meta-Analysis and Systematic Review of Controlled Trials
Innovations: Technology and Techniques
Cardiothoracic Vasc Surg 1(6): 295-313, 2006
- Minkovich L, Djaiani G, Katznelson R, Day F, Fedorko L, Tan J, Carroll J, **Cheng D**, Karski J
Effects of Alveolar Recruitment on Arterial Oxygenation in Patients after Cardiac Surgery: A Prospective, Randomized, Controlled Clinical Trial
J Cardiothoracic Vasc Anesth 21 (3): 375-8, 2007
- Goel S, **Dhir A**
Absent Left Main Coronary Artery
Annals of Cardiac Anaesthesia 2007;10:61-62
- **Dhir S, Dhir A**
Intra-Operative Loss of Nasal Jewelry, Anesthetic Concerns and Perioperative Management
J Clin Anesth 2007;19(5):378-380
- **Dhir S, Ganapathy S, Dhir A**
Role of Ultrasound Guidance in Regional Anesthesia
Review article, Kuwait Medical Journal 2007; 39(1): 4-9
- **Dhir S, Ganapathy S, Dhir A**
Role of Ultrasound Guidance in Regional Anesthesia
Review Article
Kuwait Medical Journal 2007;39(1):4 - 9
- **Dhir S, Fuller J**
Pregnancy in Hemodialysis-Dependant End-Stage-Renal-Disease, Anesthetic Considerations
Can J Anesth 2007;54:556-560
- **Dhir S, Ganapathy S**
Ultrasound Guidance with Contrast Enhancement Leads to Successful Primary and Secondary Brachial Plexus Block
Reg Anesth Pain Med 2007;32:A-5
- **Dhir S, Ganapathy S**
Ultrasound Guidance Improves Primary Success and Reduces Secondary Catheter Failure
Anesthesiology 2006;105:A887

- **Ganapathy S, Dhir S**
Cervical Epidural vs Continuous Interscalene Block for Shoulder Arthroplasty
A Randomized Study
Anesthesiology 2006;105:A877
- **Harle C, Murkin J**
Another Bleeding Heart, Perioperative Heparin Management Revisited
Can J Anesth 2007;Feb;54(2):92-102
- **Jones P, Turkstra T, Armstrong K, et al**
Effect of Stylet Angulation and Endotracheal Tube Camber on Time to Intubation with the GlideScope
Can J Anesth 2007;54:21-7 (RCT)
- **Jones P, Soderman R**
Intraoperative Bradycardia in a Patient with Alzheimer's Disease Treated with Two Cholinesterase Inhibitors
Anaesthesia 2007;62:201 (Letter)
- **Jones P, Harle C**
Avoiding Awake Intubation by Performing Awake GlideScope Laryngoscopy in the Preoperative Holding Area
Can J Anesth 2006;53:1264-5 (Letter)
- **McConachie I**
Update on Etomidate
CPD Anaesthesia 2007;9:16-20
- Ko R, Woo K, Ramanathan T, Pautler S, **McConachie I**
Robotic Surgery and Anaesthesia
CPD Anaesthesia 2007;9:99-108
- Hadi I, **Morley-Forster P**, Horrill K, **Dain S**, Moulin D
Brief Review
Perioperative Management of the Patient with Chronic Non-Cancer Pain
Can J Anesth 2006;53:1190-99
- Moulin D, Clark A, Gilron I, **Morley-Forster P**, et al
Pharmacological Management of Chronic Neuropathic Pain-Consensus Statement and Guidelines from the Canadian Pain Society
Pain Res Manage 2007;12:13-21
- **Morley-Forster P**
Acute Pain Management in the Chronic Pain Patient
PainCare 2007;6:3-8

- **Murkin J**, Adams S, Novick R, Quantz M, **Bainbridge D**, **Iglesias I**, Cleland A, Schaefer B, Irwin B, Fox S
Monitoring Brain Oxygen Saturation During Coronary Bypass Surgery, a Randomized, Prospective Study
Anesth Analg 2007;104:51-8
- Royston D, Levy J, Fitch J, Dietrich W, Body S, **Murkin J**, Spiess B, Nadel A
Full-Dose Aprotinin Use in Coronary Artery Bypass Graft Surgery, Analysis of Perioperative Pharmacotherapy and Patient Outcomes
Anesth & Analg 2006 Nov;103(5):1082-8
- Shann K, Likosky D, **Murkin J**, Baker R, Baribeau Y, DeFoe G, Dickinson T, Gardner T, Grocott H, O'Connor G, Rosinski D, Sellke F, Willcox T
An Evidence-Based Review of the Practice of Cardiopulmonary Bypass in Adults, A Focus on Neurologic Injury, Glycemic Control, Hemodilution and the Inflammatory Response
J Thorac Cardiovasc Surg 2006 Aug;132(2):283-90
- **Murkin J**
Perioperative CNS Outcomes: Management, Metabolism and Monitoring
Semin Cardiothorac Vasc Anesth 2006;10(2):123-124
- **Murkin J**
Pathophysiological Basis of CNS Injury in Cardiac Surgical Patients, Detection and Prevention
Perfusion 2006;21:203-208
- **Murkin J**
Pulsatile Versus Non-Pulsatile Perfusion Revisited
J Card Surg 2006;21:355-356
- **Singh I**, **Morley-Forster P**, Shamsah M, **Butler R**
Injection Rate of Hyperbaric Bupivacaine Does Not Influence Spinal Block in Parturients, A Randomized Trial
Can J Anesth 2007;54:290-295
- **Taneja R**, **Cheng D**
Con: Heparin Bonded CPB Circuits Should be Routine for all Cardiac Surgical Procedures.
Anesth Analg 103 (6): 1365-9, 2006
- **Turkstra T**, Shaikh A, Pelz D, **Craen R**
Cervical Spine Motion: A Fluoroscopic Comparison of Shikani Optical Stylet vs. Macintosh Laryngoscope
Canadian Journal of Anesthesia, 2007 June 54:441-447

- **Turkstra T**, Pelz David M, Shaikh, Allison A, **Craen R**
Cervical Spine Motion, A Fluoroscopic Comparison of Shikani Optical Stylet to Macintosh Laryngoscope
Can J Anaesth 2007 June;54(6):441-7

BOOKS/BOOK CHAPTERS/VIDEOS

- **Cheng D**
Fast-Track Cardiac Surgery. Complications in Anesthesia 2nd Edition
Saunders Elsevier Publication Chapter 88, p 356-360, 2006
- **Cheng D, Harle C**
Transfusion Reaction. In Complications in Anesthesia 3rd Edition
Lobato EB, Gravenstein N, Kirby RR (Eds) Lippincott Williams & Wilkins
Philadelphia, Pennsylvania. Chapter 35 p 507-519 2007
- **Cheng D, Granton J**
Heart Transplantation and Subsequent Non-Cardiac Surgery
In Anesthesiology: Problem-Oriented Patient Management
6th Edition. Yao, F-S (Ed). Lippincott, Williams & Wilkins
Chapter 14 p 355-371 2007
- Waters J, **Cheng D**, Shandler A, Szpisjak D, Gottschall J (editors)
In Perioperative Blood Management: A Physician's Handbook.
1st Edition. AABB, Bethesda, Maryland 2006
- **Dhir A, Ralley F**
Pulmonary Hypertension and Right Ventricular Dysfunction Post-CPB
In 'A Practical Approach to Perioperative Cardiac Anesthesia and Surgery'
Ed. Cheng D, David T and Lippincott W, 2006
- **Ganapathy S**
Dr. S. Ganapathy created two educational VCDs on Basics of Ultrasound
Guided Regional Blocks. Dr. S. Dhir, Dr. Bhandari and Dr. Velayutham helped her
during the filming of the blocks. This was funded by Sonosite and the first VCD
was released during the ASRA meeting in Vancouver. Well over 2000 VCDs
have been distributed all over the world. Currently this is for sale through our
departmental website.
- **Granton J**
Heart Transplantation and Subsequent Noncardiac Surgery
Chapter 14, Yao and Artusio's, Anesthesiology, Problem-Oriented Patient
Management, Sixth Edition

- **Iglesias I, Murkin J**
Central Nervous System Dysfunction After Cardiopulmonary Bypass, in Kaplan's Cardiac Anesthesia 5th Edition, Kaplan J(E), Saunders Elsevier Philadelphia, PA 2006
- **Murkin J, Iglesias I**
Protection of the Brain During Cardiac Surgery, in Practical Approach to Cardiac Anesthesia 4th Edition, Hensley F(E), Lippincott, Williams and Wilkins Philadelphia, PA 2008

ABSTRACTS/CASE REPORTS

- **Bainbridge D**, Guiraudon G, Jones D, Moore J, Wedlake C, Linte C, Wiles A, Peters T
Evaluation of Image Guidance as a Substitute to Direct Vision for Off-Pump Atrial Septal Defect Closure Using the Universal Cardiac Introducer
CCS 2007, QC (#693)
- Guiraudon G, Linte C, Werzbicki M, Moore J, Jones D, Wedlake C, **Bainbridge D**, Peters T
Virtual Reality Guidance for Mitral Valve Implantation on the Off-Pump Closed Beating Heart Tracked Virtual Mitral Valve Annulus as a Marker of Recalibration Necessitated by Intraoperative Heart Displacement
CCS 2007, QC (#695)
- **Bainbridge D, Arango M, Martin J, Cheng D**
Perioperative Mortality, A Systematic Review of Observational and Randomized Trials
Anesthesiology 2007;107:A189
- **Bainbridge D**, Guiraudon G, Jones D, Peters T
The Utility of 2D TEE and 3D Epicardial Echocardiography Combined with Virtual Reality to Guide Intracardiac Beating Heart Mitral Valve Replacement
SCA 79 2007
- Linte C, Wiles A, Moore J, Wedlake C, Hill N, **Bainbridge D**, Jones D, Guiraudon G, Peters T
Augmented Reality-Guided Intracardiac Intervention
Proceedings of SPIE, Medical Imaging, Visualization, Image-Guided Procedures, and Display, 6509, February 2007, Accepted for Presentation

- Guiraudon G, Jones D, **Bainbridge D**, Peters T
Closed, Beating, Intracardiac Surgery, A Feasibility Study
I: Cardiac Access and Manipulation of Devices Poster Presentation AHA, Chicago IL, 2006
- Guiraudon G, Jones D, **Bainbridge D**, Peters T
Closed, Beating, Intracardiac Surgery, A Feasibility Study
I: Cardiac Access and Manipulation of Devices Poster Presentation CCS, Vancouver, BC, 2006
- **Bainbridge D**, Cheng M
Anesthesia for Cardiac Surgery Inhalational or IV Amnestic
Prague, Czech Republic, 2006
- **Bainbridge D**, Guiraudon G, Jones D, Peters T
Re-inventing Off-Pump, Closed, Beating Intracardiac Surgery,
A Feasibility Study
II: Use of 2D TEE and 2D and 3D Epicardial Echocardiography for Image Guidance. World Society of Cardiothoracic Surgeons, Ottawa, ON 2006
Third place award for bioengineering abstracts.
- **Bainbridge D**, **Martin J**, **Cheng D**
Anesthesia Maintenance during Cardiac Surgery, Volatile Agent OR IV Amnestic?
10th International Congress of Cardiothoracic and Vascular Anesthesia
August 27-30, 2006 Czech Republic
- **Cheng D**, **Martin J**, **Jones R**, Massel D
Know4Go: A Decision-Making Framework
for Hospital Drug and Technology Approvals. CCHSE National Healthcare Leadership Conference. June 11-12, 2007
- **Cheng D**, Belisle S, Griffin M, Karkouti K, **Martin J**, James M, Laliberte P, McClusky S, Muirhead B, Pendergrast J, **Sharpe M**, Waters T.
Colloids for perioperative plasma volume expansion: systematic review with meta-analysis for controlled trials. Journal Compilation 2007 LMS Group, Transfusions Alternatives in Transfusion Medicine 9 (Suppl. 3) 1-30
- Al-Areibi A, **Coveney L**, **Singh I**, **Katsiris S**
Case Report, Anesthetic Management for Sequential Cesarean Delivery and Laminectomy
Can J Anesth 2007;54:471-4
- **Craen R**
Comparison of the Shikani optical scope with McIntosh laryngoscope for patients with potential C spine injury
A fluoroscopic randomized controlled trial
Journal of Neurosurg. Anes. Oct 2006. SNACC Meeting, Chicago, IL

- **Dhir A, Dobkowski W**
Liver Transplantation in a Patient with Severe Aortic Stenosis - Challenges and Successful Management
10th International Congress of Cardiothoracic and Vascular Anesthesia (ICCA)
Prague, Czech Republic, August 2006
- **Dhir A, Craig A, Bellingham G**
Eisenmenger Syndrome and Pheochromocytoma - Treading a Thin Line
10th International Congress of Cardiothoracic and Vascular Anesthesia (ICCA)
Prague, Czech Republic, August 2006
- **Dhir A, Kashanian B, Dobkowski W**
Liver Transplantation in a Patient with Severe Aortic Stenosis - Challenges and Successful Management
American Society of Anesthesiologists (ASA) Annual Conference
Chicago, IL, October 2006
- **Dhir A, Bellingham G, Craig A**
Eisenmenger Syndrome and Pheochromocytoma - Anesthesiologist's Nightmare
American Society of Anesthesiologists (ASA) Annual Conference
Chicago, IL, October 2006
- **Dhir A**
Heparin Resistance
IACTA 2007 Abstract Book, 12-14
- **Dhir A**
Myocardial Preconditioning
IACTA 2007 Abstract Book, 25-28
- **Dhir A**
Right Ventricular Function/Dysfunction
IACTA 2007 TEE Workshop Course Book, 23-26
- **Dhir A**
Perioperative Pain Management
31st Annual Conference of UP Chapter of Indian Orthopedic Association
Muzaffarnagar, India, February 2007
- **Rachinsky M, Jami S, Dobkowski W, Murkin J, Kiaii B, Iglesias I, Bainbridge D**
Efficacy of Paravertebral Block in Patients Undergoing Minimally Invasive Cardiac Surgery Through Thoracotomy
SCA 92, 2007
- **Imasogie N, Singh I, Armstrong P, Armstrong K, Ganapathy S**
Ultrasound Guided Axillary Brachial Plexus Block, Single vs Triple Injection
CAS, Calgary, AB, 2007

- **Imasogie N, Singh I, Watson J, Hurley D, Morley-Forster P**
The Effect of Combined Use of Naloxone and Tramacet on Postoperative Analgesia in Elderly Patients Undergoing Joint Replacement Surgery
A Prospective Feasibility Study
A 44600 CAS
- **Imasogie N, Morley-Forster P, Singh I, Watson J**
Naloxone and Tramacet for Postoperative Analgesia in Elderly Patients Having Joint Replacement
ASA Annual Meeting Abstracts, San Francisco, CA, October 2007
- **Imasogie N, Ganapathy S, Singh I, Armstrong P, Armstrong K**
Ultrasound Guided Axillary Block, Single vs. Triple Injection
CAS 2007
- **Jones P, Turkstra T, Armstrong K, et al**
Effect of Stylet Angulation and Endotracheal Tube Camber on Duration of Intubation with the GlideScope
Society of Airway Management Annual Meeting
September 2006
- Morrison D, McKeough L-A, Paul T, **Morley-Forster P**, Tokmakejian S, Koren G, Van Uum S
Sexual Dysfunction and Decreased Bone Density in Opioid-Induced Hypogonadism in Patients of a Chronic Pain Clinic
Canadian Endocrine Society, 2007
- Moulin D, **Morley-Forster P**, Connolly B, Guerin J, Clark A
Prospective Study of the Pharmacologic Management of Chronic Neuropathic Non-Cancer Pain
IASP Neuropathic Pain Congress, Berlin, Germany, 2007
- Van Uum S, Morrison D, McKeough L-A, Paul T, **Morley-Forster P**, Tokmakejian S, Koren G, et al
Sex-Specific Effects of Long-Term Oral Opioids on Hypothalamus-Pituitary-Gonadal Axis in Patients with Chronic Non-Cancer Pain
10th International Pituitary Congress, Chicago, IL, June 2007
- McKeough L-A, Paul T, **Morley-Forster P**, Tokmakejian S, Nicholson L, Koren G, Van Uum S
Adipocytokine Levels in Patients Taking Oral Opioids for Chronic Non-Cancer Pain
Canadian Diabetes Association/Canadian Society of Endocrinology and Metabolism Annual Meeting, Vancouver, BC, October 2007

- HalJan G, Sutherland A, Lau K, **Murkin J**, Walley K, Hogg J
Neurologic Outcome After Coronary Artery Bypass Surgery is Associated with Postoperative Serum Levels of Interleukin 1-receptor Antagonist
Ann Thorac Surg 2006
- Bell T, Bourne R, MacDonald S, McCalden R, Naudie R, **Ralley F**
Transfusion Patterns in Total Joint Arthroplasty
A Prospective Study of 1642 Patients
62nd COA Annual Meeting, Halifax, NS
June 1-3, 2007
- Antoniou A, **Singh I**
Intraoperative Cardiac Arrest During Revision Shoulder Arthroplasty
Midwest Anesthesia Residents Conference 2007 Book of Abstracts
- Masood A, **Singh I**, **Imasogie N**, Currin M
Successful Ultrasound Guided Infraclavicular Block in a Parturient
Midwest Anesthesia Residents Conference 2007 Book of Abstracts
- **Singh I**, Brooks C, **Dobkowski W**
Anesthetic Management of a Parturient with Marfan Syndrome
A224 SOAP 2007
- Clarke C, **Singh I**
Anesthetic Management of a Parturient with CADASIL
A246 SOAP 2007
- Bruna I, Woo K, **Singh I**, **Imasogie N**
Anesthetic Management of a Parturient with Carcinoid Disease
Mid-West Anesthesia Resident's Conference 2007
- **Taneja R**, Quaghebeur B, Quantz M, Novick R, **Bainbridge D**
Evaluation of Epicardial Echocardiography During Aortic Valve Surgery
Anesthesiology 2007;107:A1279
- **Taneja R**, Philip F, **Harle C**, Hellene P, Marwaha G, **Bainbridge D**
Perioperative Coagulation Management in Cardiac Surgery, a Canadian Survey
SCA 96, 2007
- **Turkstra T**, Allison S, Pelz D, **Craen R**
Comparison of Shikani Optical Stylet to Macintosh Laryngoscope for Intubation of Patients with Potential Cervical Spine Injury
A Randomized Controlled Fluoroscopic Trial
Society of Neuroanesthesia and Critical Care Annual Meeting
October 2006

NON-PEER REVIEWED PUBLICATIONS/ LETTERS/EDITORIALS

- Chin K, **Arango M**, Paez A, **Turkstra T**
Palatal Injury Associated with the GlideScope
Anaesth Intensive Care 2007 Jun; 35(3):449-50
- Guiraudon G, Moore J, Jones D, Hill N, Wiles A, **Bainbridge D**, Wedlake C, Peters T
Augmented Reality for Closed Intracardiac Interventions
International Workshop on Augmented Environments for Medical Imaging and
Computer-Aided Surgery, Copenhagen, Denmark, October 2006
- **Dhir A**
Liver Transplantation Anesthesia
Produced a CD and a Manual
Liver Transplant Fellowship Teaching
2006-2007
- **Dhir A**
Wrote the LHSC Protocol
Anesthesia for Liver Transplantation
Teaching of Residents and Fellows, 2006
- **Dhir A**
Cardiac Anesthesia
CD on Congenital Heart Disease - an Overview
Anesthesia Residents and Fellows, CTV Residents and Department Colleagues
2007
- **Dhir A**
Good Health and Graceful Aging - by Choice, not by Chance
International Medical Science Academy
Delhi Chapter proceedings
- Tsui B, Bury J, Bouliane M, **Ganapathy S**
Cervical Epidural Analgesia via a Thoracic Approach Using Nerve-Stimulation
Guidance in Adult Patients Undergoing Total Shoulder Replacement Surgery
Case Reports
Journal Article, Research Support, Non-US Government
Acta Anaesthesiologica Scandinavica 51(2):255-60, February 2007
- **Jones P, Turkstra T, Harle C**
Effect of Stylet Angulation and Endotracheal Tube Camber on Duration of
Intubation with the GlideScope
Canadian Journal of Anesthesia, 2007 June 54(8):488

- **Jones P, Turkstra T, Armstrong K, Armstrong P, Cherry R, Hoogstra J, Harle C**
Effect of Stylet Angulation and Endotracheal Tube Camber on Time to Intubation with the GlideScope
Journal Article, Randomized Controlled Trial
Research Support, Non-US Government
Canadian Journal of Anaesthesia 54(1):21-7, January 2007
- **McConachie I**
Lessons in Drug Development
Canadian Journal of Anesthesia 2007;54:76-7
- **McConachie I**
Etomidate Controversies in Emergency Medicine
Ann Emerg Med 2007;50:200-1
- **Turkstra T**, Pellerin H
Any Harbour in a Storm
Canadian Journal of Anesthesia, 2007 June 54(8) 491
- **Turkstra T**, Pellerin H
Modification of the LMA-Unique to Facilitate Endotracheal Intubation
A Technical Letter
Canadian Journal of Anesthesia, Dec 2006;53:1266-1267

INTERNATIONAL STANDARD PUBLICATIONS

Dain S

Dr. Steven Dain is the Head of Canadian Delegation, Organization for International Standardization (ISO Technical Committee 121 Anaesthetic and Respiratory equipment) and is Chairman of the Canadian Advisory Committee to ISO TC 121. He is 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. These 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.

Reviewed for Adoption as a Canadian National Standard or
International Standard

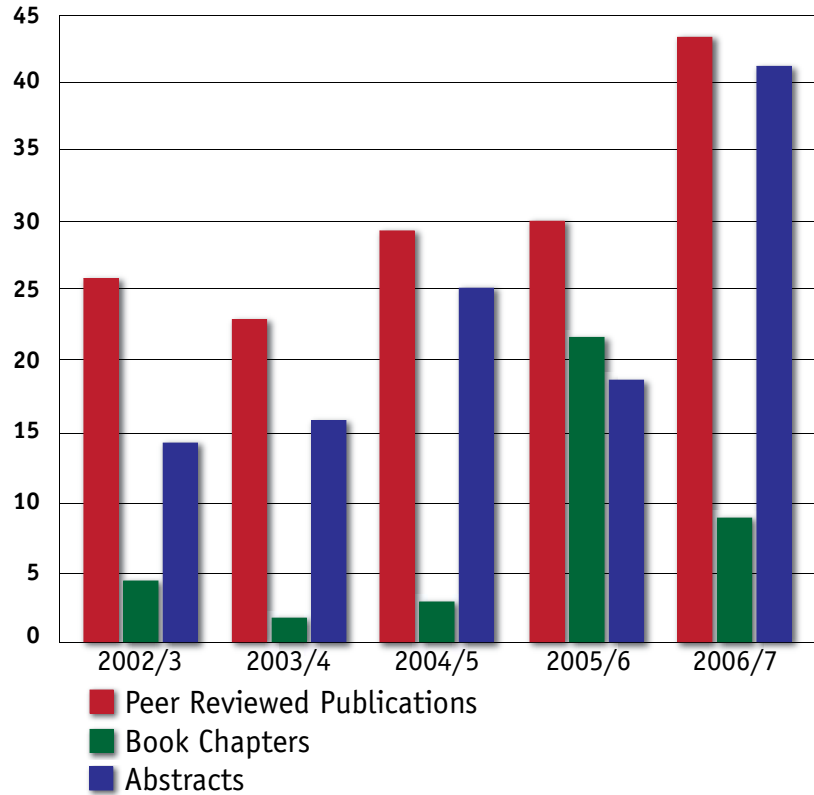
- ISO 8185:2007
Respiratory Tract Humidifiers for Medical Use
Particular Requirements for Respiratory Humidification Systems
- ISO 17510-1:2007
Sleep Apnoea Breathing Therapy
Part 1: Sleep Apnoea Breathing Therapy Equipment
- ISO 17510-2:2007
Sleep Apnoea Breathing Therapy
Part 2: Masks and Application Accessories
- ISO 5356-2:2006
Anaesthetic and Respiratory Equipment Conical Connectors
Part 2: Screw-Threaded Weight-Bearing Connectors
- CAN/CSA-Z8835-4-06
Inhalation Anesthesia Systems
Part 4: Anaesthetic Vapour Delivery Devices
- CAN/CSA-Z8835-5-06
Inhalational Anesthesia Systems
Part 5: Anaesthetic Ventilators
- CAN/CSA-Z10651-2-06
Lung Ventilators for Medical Use, Particular Requirements for Basic Safety
and Essential Performance
Part 2: Home Care Ventilators for Ventilator-Dependent Patients
- CAN/CSA-Z10651-6-06
Lung Ventilators for Medical Use, Particular Requirements for Basic Safety
and Essential Performance
Part 6: Home Care Ventilatory Support Devices
- CAN/CSA Z10524-02
Pressure Regulators and Pressure Regulators with Flow-Metering Devices
for Medical Gas Systems
- CAN/CSA Z21647
Medical Electrical Equipment, Particular Requirements for the Basic Safety
and Essential Performance of Respiratory Gas
- CAN/CSA Z9919
Medical Electrical Equipment, Particular Requirements for the Basic Safety
and Essential Performance of Pulse Oximeter Equipment for Medical Use

- IEC 60601-2-49 (2006-01)
Medical Electrical Equipment
Part 2-49: Particular Requirements for the Safety of Multifunction Patient Monitoring Equipment
- CSA-Z305.12-06
Safe Storage, Handling and Use of Portable Oxygen Systems in Residential Buildings and Health Care Facilities
- ISO 81060-1
Non-invasive Sphygmomanometers
Part 1: Requirements and Test Methods for Non-Automatic Measurement Type

Canadian and International Standards Written as Committee Member

- ISO 5360:2006
Anaesthetic Vaporizers
Agent-Specific Filling Systems
- IEC 60601-1-8-2006
Medical Electrical Equipment
Part 1-8: General Requirements for Basic Safety and Essential Performance
Collateral Standard: General Requirements, Tests and Guidance for Alarm Systems in Medical Electrical Equipment and Medical Electrical Systems
- CAN/CSA-Z8835-5-06
Inhalational Anesthesia Systems
Part 5: Anesthetic Ventilators
- CAN/CSA-Z8835-4-06
Inhalational Anesthesia Systems
Part 4: Anesthetic Vapour Delivery Devices
- CAN/CSA Z10651-06-06
Lung Ventilators for Medical Use, Particular Requirements for Basic Safety and Essential Performance
Part 6: Home Care Ventilatory Support Devices
- CAN/CSA Z10651-02-06
Lung Ventilators for Medical Use, Particular Requirements for Basic Safety and Essential Performance
Part 2: Home Care Ventilators for Ventilator Dependent Patients

PUBLICATIONS SUMMARY



FACULTY RESEARCH GRANTS/FUNDING

PEER REVIEWED GRANTS AND FUNDING

Badner N

- EPIC - Evaluating Perioperative Ischemia by Clonidine, Co-investigator
April 1, 2007 - Present
Heart and Stroke Foundation - \$50,000 of \$150,000

Imasogie N

- Peer-Reviewed Grant
Pain and Postoperative Cognitive Dysfunction in the Elderly
AMOSO Grant for Salary Support - \$52,000 over three years

Moulin D, Morley-Forster P, Watson J

- A Randomized Placebo-Controlled Trial of the Efficacy and Safety of Pregabalin in the Treatment of Subjects with Peripheral Neuropathic Pain
Awarded by Pfizer Canada Inc., \$84,000 April 2005

Van Uum S, **Morley-Forster P**, Paul T, Mahon J, Koren G, Nicholson L, Tokmakejian S, McKeough L-A

- Methadone and Opioid-Related Osteoporosis (MORO) Pilot Study
Funded by Department of Endocrinology Academic Fund 2005-2007

Morley-Forster P

- Site Principal Investigator for a Multicentre RCT
Efficacy and Safety of Pregabalin in the Treatment of Subjects with Neuropathic Pain Associated with Lumbosacral Radiculopathy
Awarded by Pfizer Canada Inc., \$74,408 April 2005

Murkin J

- Genetic Determinants of Cognitive Dysfunction Following CPB
Walley K, Murkin J
Heart and Stroke Foundation Grant - \$93,972
July 2006 - June 2007
- CABG Off or On Pump Revascularization Study (Coronary)
Lamy A (PI), Murkin J (CI)
CIHR Grant
\$998,552 Funding for Year 1
January 2007

Banner R, Hadi I, Horrill K, Reynaert C, Morley-Forster P

- Local Anesthesia and Chronic Pain Relief, Is Procaine a Useful Drug?
Funded by Department of Anesthesia Academic Development Fund
\$10,000 2006-2008

PEER REVIEWED INTERNAL GRANTS AND FUNDING

Dhir A

- Heparin and Epidural Catheter, Survey of Current Practices in Ontario
Internal grant of \$1,000

Dhir S

- Inflammatory and Stress Response to Major Upper Limb Arthroplasty, Role of Opioid Free Regional Anesthesia
Department of Anesthesia and Perioperative Medicine Internal Grant 2007
London Health Sciences Centre \$10,000
- Heparin and Epidural Catheter, Survey of Current Practices in Ontario
Department of Anesthesia and Perioperative Medicine Internal Grant 2007
London Health Sciences Centre \$1,000

Imasogie N

- The Effect of the Combined Use of Naloxone Infusion on Postoperative Pain Relief in Elderly Patients Scheduled for Total Knee or Hip Replacement Surgery
\$10,000

Turkstra T

- Comparison of C-Trach Intubating LMA to Macintosh Laryngoscope for Intubation of Patients with Potential Cervical Spine Injury, Lead Investigator
Internal Research Fund, \$5,000, 2006

NON-PEER REVIEWED GRANTS AND FUNDING

Dain S

- Funding for travel related to attendance at National and International conferences from the Standards Council of Canada and the Canadian Standards Association, approximately \$10,000

Murkin J

- Tezosentan/R061-0612

ACETELION

A Multicenter 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

This investigational drug trial involves administration of an endothelin-1 antagonist or placebo to patients with pulmonary hypertension undergoing cardiac surgery and determining impact on development of right heart failure
Funding contingent upon per patient enrolment

July 2006 - Present

- AL-208

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

This investigational drug trial involves administration of a potentially neuroprotective 8-amino acid neuropeptide or placebo and evaluates the incidence of cognitive injury 2 weeks after coronary bypass surgery

Allon Therapeutics Inc. September 2006 - Present

Funding contingent upon per patient enrolment

Ralley F

- 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
Principal Investigator 2005-2010
\$90,000 per year
- Does Preoperative Recombinant Factor VIIa Reduce Blood Transfusion Requirement in Patients Undergoing Orthotopic Liver Transplantation
Principal Investigator 2007-2009





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