Department of Surgery
University of Ottawa

Annual Report - Contents

July 1, 2009 to June 30, 2010

Wilbert J. Keon Chairman and Professor:

Dr. Éric C. Poulin

Research:

Dr. James Watters Director of Research

University of Ottawa Surgical Education:

Dr. Farid Shamji Director Undergraduate Education
Dr. Stuart Oake Director Surgical Education Program
Dr. Tim Brandys CORE Program Director

University of Ottawa Surgical Division Chairs:

Dr. Thierry Mesana Division of Cardiac Surgery
Michael Pitfield Chair
Division of Cardiac Surgery
Dr. Kevin Butterfield Division of Oral & Maxillofacial Surgery
Dr. Joseph Mamazza Division of General Surgery
Dr. Richard Moulton Division of Neurosurgery
Dr. Geoffrey Dervin Division of Orthopaedic Surgery
Dr. Mario Jarmuske Division of Plastic Surgery
Dr. Sudhir Sundaresan Division of Thoracic Surgery
Dr. Ronald Gerridzen Division of Urology
Dr. Andrew Hill Division of Vascular Surgery
Dr. Baxter Willis Chief, Department of Surgery
Children's Hospital of Eastern Ontario
REPORT FROM THE CHAIR
Academic Year 2009 / 2010

Eric C. Poulin M.D., MSc., FRCSC, FACS
Wilbert J. Keon Professor and Chair,
Department of Surgery,
University of Ottawa

The 2009-2010 Annual Report from the Department of Surgery sits in the context of a worldwide recession which has affected Health Care in Ontario in many different ways. It has offered a series of challenges and uncertainties. Nevertheless many contributions to Surgical Academic Life have occurred in Ottawa again this year.

Awards

Dr. John Collins, Division of Urology received a Lifetime Career Achievement award from the Department of Surgery. Dr. Collins was Head of the Division of Urology and then served as Director of the Department of Surgery Finance Committee for many years. His quiet resolve, class and wisdom have imparted the Division of Urology with a style and cohesiveness that is palpable to this day. His contributions to the Department of Surgery have been invaluable.

Milestones

The operating budget of the Ottawa Hospital has gone over the $1 Billion mark this year.

The Medical School had a successful accreditation visit by the Committee on Accreditation of Canadian Medical School and the Liaison Committee on Medical Education (CACMS/LCME). Full accreditation is expected in their final report due in October.
The construction of the University of Ottawa Skills and Simulation Centre is almost finished and a Grand opening of the 20,000 sq. feet facility is being planned for early fall. The facility situated in the Loeb building of the Civic Campus is already seeing an increase in various activities. New partnerships with the Royal College of Physicians and Surgeons of Canada and CAE, the famous airline simulation industry are being entertained. Stay tuned.

The Division of Plastic Surgery has welcomed its first residents on July 1st. This is a new program in Ottawa and the result of tireless efforts from the entire Plastic Surgery Division.

The new Bariatric Surgery Program started last November. So far, over 100 patients have benefited from this new service in Ottawa. All procedures are performed laparoscopically. Drs Mamazza and Yelle predict that more than 300 patients/year will be treated.

The cyberknife has been delivered to the Ottawa Hospital Cancer Center and is currently being installed. Treatment of the first patients is anticipated in the fall of 2010.

**Challenges**

Three of our Divisions have suffered setbacks at the recent Royal College Accreditation visit of the Post-Graduate Programs. The coming year will offer an opportunity to correct the temporary deficiencies.
Promotions

Dr. Marc Ruel, Division of Cardiac Surgery; promoted to Full Professor.

Dr. Andrew Seely and Dr. Sebastien Gilbert, Division of Thoracic Surgery; promoted to Associate Professor
In the Division of Urology Dr. James Watterson, Dr. Stuart Oake and Dr. John Mahoney, all promoted to Associate Professor.

Cross-appointments

Dean Ferguson, Department of Medicine and Dr. Leanne Ward, Department of Paediatrics were cross-appointed to the Department of Surgery.

Dr. Eve Tsai, Division of Neurosurgery was cross-appointed to the Department of Cellular & Molecular Medicine.

Dr. Daniel Peters, MBA., Division of Plastic Surgery has been cross-appointed to the Telfer School of Management at the University of Ottawa.

Dr. Paul Beaulé, Division of Orthopaedic Surgery has been appointed to the Faculty of Graduate and Post Graduate Studies.

Recruitment

Dr. Matthew Roberts, Division of Urology. Dr. Roberts graduated from Medical School at the University of Toronto and completed his Urology Residency in Ottawa. He pursued a Fellowship in Male Reproductive Medicine and Surgery at the University of Toronto and obtained a Masters in Education at the University of Toronto – Ontario Institute for Studies in Education.

Dr. Rodney Breau, Division of Urology. Dr. Breau obtained his M.D. degree from Dalhousie University in Halifax and finished his Urology Residency at the University of Ottawa. He went on to get an MSc. in Clinical Research at the Mayo Clinic College of Medicine and a Urologic Oncology Fellowship at the same institution.
Operations Facilities

Construction has begun for a new Clinical and research building between the General Campus cafeteria and the Medical School. Over 200 staff offices will be relocated and the current clinic footprint will be enlarged.

Strategic Directions

The strategic exercise currently unfolding at the Ottawa Hospital has continued to mature. We now have our new Vision statement and our goal, both represented in the figure.
To that effect, TOH and the Department of Surgery have signed the contract to become a participating member of the American College of Surgeons NSQIP initiative (National Surgery Quality Improvement Program). Over 400 hospitals in the USA are currently participating and they include all the major University Centers. Recently the 59 Hospitals from the active US armed forces have also joined. We have selected our Surgical Clinical Reviewers (SCR), Gabi Avni and Marlene Chambers and expect to start sending data soon. NSQIP has become the benchmark in North America for Quality and Patient Safety Programs.

In July, we participated in the Annual NSQIP conference in Chicago where we met representatives of the other two Canadian Participating centers: Jewish General Hospital in Montreal and Fraser Valley in BC. We foresee the opportunity to start a Canadian Collaborative as part of NSQIP in the model of well-known American collaboratives, i.e., the Michigan collaborative. It is likely that many more Canadian Centers are going to join this exceptional program.

Finally, this year saw the implementation of the Patient Safety Checklist in all our Operating Rooms as mandated by the Ministry of Health. This follows an international study by the World Health Organisation (WHO) published in the New England Journal of Medicine. Two recent surveys show our compliance rate to be above 99%. Congratulations to everyone. This courteous exercise has made all of us appreciate the role and interest of all team members for safety in the operating Room. It has created a wonderful venue for everyone to express any concern they may have about each case.
REPORT FROM

DR. JAMES WATTERS
DIRECTOR OF RESEARCH
Collins Day

The 27th annual Collins Surgical Day was held Friday, May 14, 2010. The honoured guest was Dr. Arvind Koshal, a cardiac surgeon who trained and practiced at the University of Ottawa Heart Institute until 1991 when he moved to Edmonton where he has held leadership positions at the Mazankowski Alberta Heart Institute and Capital Health Region. The program was again well attended and highly successful. The scientific session was held in the Foustanellas Auditorium at the University of Ottawa Heart Institute. There were sixteen platform and fourteen poster presentations, chosen in open competition and reflecting a great diversity of high quality research. Dr. Koshal’s address was entitled: “Physician Industry Interaction: Collaboration, Coercion or Corruption?”

The Collins Day Reception and Dinner were held at the Rideau Club, attended by approximately 130 residents, staff, spouses and others. The evening was hosted by Mr. David Hill who has had a long and close relationship with The Ottawa Hospital and its predecessors. The research prizes were presented in the evening, together with the teaching awards. The inaugural John P. Collins Award for the Best Basic Science Paper was presented by Dr. R. Gerridzen to recognize Dr. Collins’ tremendous contributions to the academic life of the Department on the occasion of his retirement. The Award is sponsored by the Division of Urology.
Awards for Best Surgical Teacher

Dr. Fraser Rubens  Division of Cardiac Surgery
Dr. John Collins  Division of Urology

Awards for Best Resident Teacher

Dr. Guillaume Martel  Division of General Surgery
Dr. Neal Rowe  Division of Urology
Dr. Mark Steeves  Division of Orthopaedic Surgery

W.E. Collins Award for Best Overall Paper

Dr. M.F. Shamji  Division of Neurosurgery

Local and Sustained Anticytokine Delivery Reverses Gait and Sensory Changes in Experimental Disc Herniation Radiculopathy

Graeme Barber Award for Best Clinical Paper

Dr. Guillaume Martel  Division of General Surgery

Oncologic Outcomes of Laparoscopic and Open Colorectal Cancer Surgery: Meta-Analysis and Correlation with Expert Opinion

John P. Collins Award for Best Basic Science Paper

Dr. Adam Sachs  Division of Neurosurgery

Decoding Neural Signals from a Microelectrode Array Implanted in the Primate Prefrontal Cortex

Best Poster Presentation

Dr. Luke Lavallée  Division of Urology

Prostate Tumor Density Predicts Pathologic and Clinical Outcomes in Organ-Confined Prostate Cancer
The Department of Surgery Research prizes for 2009

The second competition closed in June 2009 and the winners from amongst many excellent submissions were announced at the Chairman’s Address in September. The progress reports from the first three awards, made in December 2008, demonstrated the success of the awards in promoting high quality research and the development of research expertise in the Department. The one-time awards are in the amount of $25,000 each, the 2009 recipients were as follows;

Dr. Paul Beaulé  Division of Orthopaedic


Dr. Husein Moloo  Division of General Surgery

A randomized, prospective, multi-centered study comparing clinical outcomes of the ligation of intersphincteric fistula tract (LIFT) procedure versus use of an anal fistula plug (AFP) in the surgical repair of trans-sphincteric anal fistulae of cryptoglandular origin.

Dr. Steve Papp  Division of Orthopaedic Surgery

Efficiency of Vacuum-Assisted Closure device in Compartment Syndrome in an Animal Model.

Methods Centre Agreement

The agreement between the Department of Surgery and the Clinical Epidemiology Program ‘Ottawa Methods Centre’ has been very positive for both groups and has been renewed. The OMC provides study design and methodological support, data management services, statistical services, and education in a modified cost-recovery model. Support for numerous projects across the Department is covered by the agreement, with the value of the services considerably greater than the annual contract charge. OMC scientists participate actively in educational endeavours as well, e.g. journal clubs and seminar series, and mentor surgery residents and staff.
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<td>Effects of Simulation Training on Performance of Vascular Anastomosis on a High-Fidelity In-Vivo Model: The Role of Deliberate Practice.</td>
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<td>Mechanisms of Progenitor Cell-based Angiogenic Therapy with Tissue-Engineered Biopolymer Delivery Matrices and Effects of Host Substrate Modification</td>
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<td>Recruitment of endogenous circulating progenitor cells for cardiac regeneration using enhanced tissue-engineered biomatrices</td>
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<td>The Role of Platelet Activation/Aggregation Following Surgery and the Postoperative Development of Metastatic Disease</td>
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<td>A Phase II Trial of neoadjuvant IXO Regimen (Capecitabine, Oxaliplatin, Irinotecan) Followed by Combined Modality Capecitabine and Radiation for Locally Resectable Advanced Rectal Cancer</td>
<td>Hoffman-La Roche</td>
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<td>The Use of Extended Perioperative Low Molecular Weight Heparin to Improve Cancer Specific Survival Following Surgical Resection of Colon Cancer: A Randomized Controlled Trial</td>
<td>Leo Pharma Inc</td>
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<td>Predicting tumor susceptibility to oncolytic virus infection using primary human tumor samples</td>
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<td>The general surgery rotation for family medicine residents: The impact, barriers, and lessons learned</td>
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<td>Boushey, Robin Paul; PI</td>
<td>Annual General Surgery Resident Research Day April 20-21, 2010.</td>
<td>Sanofi Aventis</td>
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<td>A team of clinical researchers and clinicians has been assembled from King Saud University, The Ottawa Hospital, and St Michaels Hospital that will focus on gastrointestinal diseases.</td>
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<td>Regional Communities of Practise Meetings for Colorectal Cancer Surgery.</td>
<td>Surgical Oncology Group at the University of Ottawa</td>
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<td>Assessment of Patient's Intestinal, Bladder and Sexual Function Following Rectal Cancer Surgery.</td>
<td>Anonymous Private Individuals (Canadians)</td>
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<td>Efficacy of Thoracic Paravertebral Block in Reducing Chronic Pain and Disability after Breast Cancer Surgery with Lymph Node Dissection</td>
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<td>Improving a non-invasive method for monitoring core temperature in infants.</td>
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<td>A Randomized, Prospective, Multi-centered Study Comparing Clinical Outcomes of the Ligation of Intersphincteric Fistula Tract (LIFT) Procedure versus Use of an Anal Fistula Plug (AFP) in the Surgical Repair of Trans-sphincteric Anal Fistulae of Cryptoglandular origin</td>
<td>Department of Surgery - University of Ottawa</td>
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<td>An Evaluation of the Champlain Region Cancer Surgery Model</td>
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<td>Reducing Death due to Oxidative Stress: Glutamine and Antioxidant Supplementation</td>
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<td>A multi-center randomized, double-blind, parallel group, placebo controlled trial to evaluate the efficacy and safety of activated recombinant factor VII in the treatment of refractory bleeding in severely injured trauma patients</td>
<td>Industry, $15,000 per patient entered (NovoSeven/Niastase)</td>
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<td>Signaling pathways of vascular remodeling in cerebral ischemia-hypoxia injury, subarachnoid hemorrhage and aging.</td>
<td>Center for Stroke Recovery, Heart and Stroke Foundation of Ontario</td>
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<td>Bioengineering strategies to restore motor function after spinal cord injuries</td>
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<td>Creation of a translational spinal cord repair laboratory</td>
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<td>A &quot;Needs Assessment&quot; for the development of a toddler winter activity helmet.</td>
<td>ThinkFirst Foundation of Canada</td>
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<td>Thalamic brain tumors in Canada in the MRI era</td>
<td>Brain Tumor Foundation of Canada and the C17 Research Network</td>
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## Division of Orthopaedic Surgery

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<td>Pregabalin in the Prevention of Postoperative Delirium and Pain</td>
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<td>Randomized Clinical Trial comparing a mono block acetabular shell to titanium modular shell in total hip replacement</td>
<td>Wright Medical Technology (Arlington, TN)</td>
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<td>Femoroacetabular Impingement: Correlating Hip Morphology to Changes in Cartilage and Subchondral Bone</td>
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<td>Beaulé, Paul; PI</td>
<td>Do MRI Findings Correlate with Hip Pain and radiographic Findings: Development of a Better Diagnostic Tool for Surgical Intervention</td>
<td>Department of Surgery, University of Ottawa</td>
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<td>Beaulé, Paul; PI</td>
<td>A Prospective Randomized Clinical Trial Comparing Ion Levels and Clinical Outcomes of the CONSERVE® A-Class Total Hip System with BFH™ Technology to Metal on Polyethylene Total Hip Replacement</td>
<td>Wright Medical Technology</td>
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<td>Randomized Clinical Trial Comparing Cemented to Cementless femoral hip resurfacing: A bone mineral density measurement assessment</td>
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<td>Beaulé, Paul; PI</td>
<td>Cartilage Degeneration in Femoro-Acetabular Impingment</td>
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<td>Co- Investigators: Dr. Schweitzer, Department of Radiology; Dr. Frei, Carleton University; Dr. Lamontagne, University of Ottawa</td>
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<td>Oxford unicompartmental knee arthroplasty: Effect of procedural deficiencies on lateral compartment contact pressure and knee alignment</td>
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<td>Evaluation of a ‘Cold Welding’ Phenomenon in Modular Necks of Total Hip Replacements</td>
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<td>A Prospective Randomized Controlled Trial Assessing the Outcome of Celecoxib Administration vs. Placebo following Anterior Cruciate Ligament Reconstruction.</td>
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<td>Are patient decision aids for total joint replacement cost-effective and do they optimize the surgical referral process from primary care?</td>
<td>Foundation for Informed Medical Decision Making (FIMDM), Boston</td>
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<td>A Multinational, Multicenter randomized Double-Blind study comparing the efficacy and safety of AVE5026 with Enoxaparin for the prevention of venous thromboembolism in patients undergoing elective TKA surgery.</td>
<td>Sanofi-Aventis (Canada)</td>
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<td>A Prospective Case Series (Pilot Study) Comparing Ion Levels and Clinical Outcomes of the CONSERVE® A-Class Type Hip System with BFH™ Technology to the CONSERVE® Plus Total Hip Resurfacing System</td>
<td>Wright Medical Technology</td>
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<td>Gofton, Wade; PI Collaborators</td>
<td>Extended Prophylaxis Comparing Low Molecular Weight Heparin to Aspirin Following Total Hip Arthroplasty (EPCAT)</td>
<td>Canadian Institutes of Health Research (CIHR); through Queen Elizabeth II Health Sciences Centre, Halifax, Nova Scotia</td>
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<td>DiGiovanni, Chris; PI Lalonde, Karl-André; Site PI</td>
<td>Augment Injectable Bone Graft vs Autologous Graft RCT</td>
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<td>Lalonde, Karl-André; PI</td>
<td>Prospective, Randomized, Multi-Center Clinical Evaluation of the Open Wedge Osteotomy and Low Profile Plate &amp; Screw (LPS) System Compared to the Proximal Chevron Osteotomy for the Treatment of Hallux Valgus with an Increased Intermetatarsal Angle</td>
<td>Arthrex Inc</td>
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<td>December 2008</td>
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<td>Lalonde, Karl-André; PI</td>
<td>A Prospective, Randomized, Controlled, Multi-Center, Pivotal Human Clinical Trial to Evaluate the Safety and Effectiveness of Augment™ Injectable Bone Graft Compared to Autologous Bone Graft as a Bone Regeneration Device in Foot and Ankle Fusions</td>
<td>BioMimetics Therapeutics</td>
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<td>Wai, Eugene Kenneth; PI</td>
<td>Development and evaluation of novel bone anchors and &quot;smart&quot; adaptive implants for the treatment of the bone deficient skeleton</td>
<td>National Sciences and Engineering Research Council of Canada (NSERC)</td>
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<td>Co- Investigators: Papp, Steve; Gofton, Wade; O'Neil, Joseph; Liew, Alan</td>
<td>BURST FRACTURE: To brace or not to brace in stable thoracolumbar burst fractures: A randomized controlled trial.</td>
<td>Physicians Services Incorporated Foundation (PSI)</td>
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<td>Understanding wait lists for MRI: Appropriateness of utilization and triaging of priority</td>
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<td>Transfusion Trigger Trial for Outcomes in Cardiovascular Patients Undergoing Surgical Hip Fracture Repair</td>
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<td>Transforaminal Lumbar Interbody Fusion in Degenerative Spondylolisthesis A Randomized Controlled Trial</td>
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<td>Wai, Eugene; PI</td>
<td>CSS: Health-related quality of life following surgical treatment of focal symptomatic spinal stenosis compared to osteoarthritis of the hip or knee.</td>
<td>Canadian Spine Society A Multicenter Canadian Spine Society Study.</td>
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<td>Co-Investigators: Kingwell, Stephen; Johnson, Garth; Tsai, Eve</td>
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<td>Prospective Randomized Controlled Study comparing the FIXION expandable nail versus plate and screw fixation for Pathahlogic humeral fractures</td>
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<td>Wai, Eugene; Emery, Derek; Foster, Alan; O`Rourke, Eugene</td>
<td>Fixation Using Alternative Implants for the Treatments of Hip Fractures (FAITH): A Multi Centre Randomized Trial Comparing Sliding Hip Screws and Cancellous Screws on Revision Surgery Rates and Quality of Life in the Treatment of Femoral Neck Fractures</td>
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<td>Ying, Yvonne; Co-PI</td>
<td>Evaluation of global abstract rating scale to increase reliability and validity of abstract rankings as compared to the current abstract review form used for the Canadian Society of Plastic Surgery annual scientific program.</td>
<td>Faculty of Medicine Award University of Ottawa</td>
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<td>Adjuvant Melatonin for the Prevention of Lung Cancer Recurrence and mortality following resection: a randomized placebo controlled clinical trial</td>
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<td>Delerium and postoperative cognitive dysfunction following aortic repair. A comparison of open and endovascular techniques. Improving the assessment of hypothalamic pituitary adrenal function in acute stress</td>
<td>The Physician's Services Incorporated Foundation</td>
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<td>Contrast Ultrasound in the Surveillance of Endovascular Abdominal Aortic Aneurysm Repair</td>
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<td>Nagpal, Sudhir; PI Collaborators</td>
<td>Economic Evaluation of Open Surgical Repair versus F.E.V.A.R. for Treatment of Type IV TAAA</td>
<td>Non-peer reviewed</td>
<td>$20,000.00</td>
<td>2008/06</td>
<td>2009/07</td>
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<td>Nagpal, Sudhir; Co-PI Collaborators</td>
<td>Perioperative Ischemia Reduction Study (PROSE) - Remote ECG Monitoring</td>
<td>The Ottawa Hospital Academic Medical Organization</td>
<td>Peer reviewed</td>
<td>$606,502.00</td>
<td>2009/09</td>
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### Division of Vascular Surgery Continued

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<th>Member Name</th>
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<tr>
<td>Price, J; PI</td>
<td>Effects of Simulation Training on Performance of Vascular Anastomosis on a High Fidelity in vivo model</td>
<td>University of Ottawa (AIME)</td>
<td>Education Research (Teaching)</td>
<td>$19,929.00</td>
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<td>Brandys, Tim; Co-PI</td>
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<td>March 2010</td>
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<td>Hill, Andrew; PI</td>
<td>Economic Evaluation of Open Surgical Repair versus F.E.V.A.R. for Treatment of Type IV TAAA</td>
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<td>Clinical Trial (Research)</td>
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<td>Ooi, TC; PI</td>
<td>Curcumin to prevent acute kidney injury from elective abdominal aortic aneurysm repair</td>
<td>PSI</td>
<td>Operating (Research)</td>
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<td>Hill, Andrew; Co-PI</td>
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## Division of Urology

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<td>Bella, Anthony; PI</td>
<td>Effect of targeted hypothermia on the recovery of erectile function after cavernous nerve injury in the rat</td>
<td>2010 Pfizer – Canadian Male Sexual Health Council</td>
<td>Peer reviewed</td>
<td>$50,000.00</td>
<td>2010/06</td>
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<td>Blew, Brian; PI</td>
<td>Division of Urology Conference Travel Grant</td>
<td>U of O, Division of Urology</td>
<td>Personal award</td>
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<td>Bella, Anthony; PI</td>
<td>“Sphingolipid (S1P) and Cavernous Nerve Post-Injury Neurobiology”</td>
<td>University of Ottawa Department of Surgery</td>
<td>Peer reviewed</td>
<td>$25,000.00</td>
<td>2009/01</td>
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<td>Bella, Anthony; PI</td>
<td>Molecular mechanisms for cavernous nerve neuroprotection and regeneration following injury due to prostate cancer treatment in diabetic men</td>
<td>Prostate Cancer Research Foundation of Canada</td>
<td>Peer reviewed</td>
<td>$50,685.00</td>
<td>2007</td>
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<td>Bella, Anthony; PI</td>
<td>Molecular mechanisms for cavernous nerve neuroprotection and regeneration for neuregulin and chondroitinase following injury due</td>
<td>ACORDA Therapeutics</td>
<td>* Industry-Sponsored Research Grant</td>
<td>$66,798.00</td>
<td>2008</td>
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<td>Bella, Anthony; PI</td>
<td>Molecular mechanisms of cavernous nerve regeneration following prostate cancer treatment in men with metabolic syndrome</td>
<td>American Urological Association Northeastern Section</td>
<td>Peer reviewed</td>
<td>$42,500.00</td>
<td>2008</td>
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<td>Gomes, James; PI</td>
<td>Prostate morbidity through prostate proteome profile (PMProt)</td>
<td>Public Health Agency of Canada</td>
<td>Peer reviewed</td>
<td>$19,475.00</td>
<td>2010/01</td>
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<td>Morash, Christopher Co-PI Cagiannos, Ilias Co-Pi</td>
<td>Prostate morbidity through prostate proteome profile (PMProt)</td>
<td>Public Health Agency of Canada</td>
<td>Peer reviewed</td>
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<td>Perry, Gad; PI</td>
<td>Phase II study of PET-CT scanning with C-11 acetate in patients with intermediate and high risk prostate cancer undergoing radical prostatectomy.</td>
<td>The Ottawa Regional Cancer Foundation</td>
<td>Peer reviewed</td>
<td>$20,000.00</td>
<td>2008/05</td>
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<td>Cagiannos, Ilias; PI</td>
<td>Prediction of side-specific extracapsular extension at radical prostatectomy.</td>
<td>UMRF</td>
<td>Peer reviewed</td>
<td>$60,000.00</td>
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<td><strong>Collaborators</strong></td>
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<td>Guerra, Luis; Co-PI</td>
<td>Voiding urosonography with ultrasound contrast agent, a radiation-free technique for monitoring of vesico-ureteral reflux in children</td>
<td>Innovation Funds component of the AHSC AFP, Ministry of Health (Peer reviewed)</td>
<td>Peer reviewed</td>
<td>$35,753.00</td>
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<td>Gerridzen, Ronald Co-PI</td>
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<td>Mahoney, John; PI</td>
<td>SELECT-Selenium and Vitamin E Cancer Prevention Trial</td>
<td>Southwest Oncology Group</td>
<td>Peer reviewed</td>
<td>$169,200.00</td>
<td>2001/07</td>
<td>2012/12</td>
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<td>Morash, Christopher; PI</td>
<td>Small Renal Masses - Active Surveillance and their Natural History</td>
<td>University Medical Research Fund (UMRF)</td>
<td>Peer reviewed</td>
<td>$25,000.00</td>
<td>2009/12</td>
<td>2010/12</td>
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<td>Gerridzen, Ronald Co-PI</td>
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<td>Morash, Christopher; Co-PI Cagiannos, Ilias; Co-PI</td>
<td>Comparison Between Radical Prostatectomy and External Radiation in the Management of Intermediate-Risk Prostate Cancer Patients.</td>
<td>The Ottawa Regional Cancer Foundation</td>
<td>Peer reviewed</td>
<td>$30,000.00</td>
<td>2008/06</td>
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<td>Eapen, Libni; PI</td>
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<td>Malone, Shawn</td>
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<td>Gomes, James; PI</td>
<td>Prostate morbidity through prostate proteome profile (PMProt)</td>
<td>Public Health Agency of Canada</td>
<td>Peer reviewed</td>
<td>$19,475.00</td>
<td>2009/06</td>
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<td>Morash, Christopher G.L. Co-principal Investigator</td>
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<td>Gomes, James; PI</td>
<td>Prostate morbidity through prostate proteome profile (PMProt)</td>
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<td>2008/09</td>
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<td>Morash, Christopher; Co-PI</td>
<td>Understanding testicular cancer epidemiology and etiology (UTEE)</td>
<td>Public Health Agency of Canada</td>
<td>Peer reviewed</td>
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<td>2009/01</td>
<td>2009/12</td>
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<td>Ruddy, Terrence; PI</td>
<td>Does Androgen Suppression Treatment In Prostate Cancer Reduce Myocardial Blood Flow Reserve?</td>
<td>Prostate Cancer Research Foundation of Canada</td>
<td>Peer reviewed</td>
<td>$57,823.00</td>
<td>2008/07</td>
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<td>Morash, Christopher G.L.</td>
<td>Proper use and maintenance of the LifePort pulsatile perfusion machine in kidney transplantation: a web-based educational video</td>
<td>Astellas Pharmaceuticals unrestricted grant</td>
<td>Non-peer reviewed</td>
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<td>2010/05</td>
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<td>Warren, Jeffrey; Co-PI</td>
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University of Ottawa Surgical Education

Submissions by;

Dr. Tim Brandys
CORE Program Director
SURGICAL SKILLS LAB DIRECTOR

Dr. Stuart Oake
Director Postgraduate Surgical Education
THE CORE PROGRAM AND SURGICAL SKILLS SUBMITTED BY;

Dr. Tim Brandys

Overview

The CORE program had had another successful academic year in 2009-2010. With the construction of the new Skills and Simulation Centre at the LOEB Research Institute, the CORE program faced a number of challenging logistical issues. Thankfully, Kim Tardioli, the skills lab coordinator and her team were able to successfully navigate through the various construction sites and find alternative facilities to put on a CORE program activities without fail. The CORE program once again addressed the educational needs of 53 residents from all surgical specialties. The curriculum adhered to our well established program of providing basic knowledge of surgical principles, surgical skill training and CanMEDS instructional activities. The program was well received and residents continued to favorably evaluate the activities and the preceptors that provide them.

Highlights

The CORE program underwent its scheduled review with the Royal College of Physicians and Surgeons of Canada in January 2010. This review was extremely favorable and the Royal College commended the CORE program on several activities that are being provided. The program received full approval with no weaknesses identified. This is a testament to the whole CORE program team and especially the surgeons who willingly provide their time to act as preceptors on a regular basis, giving lectures and providing skills teaching.
Future initiatives

A new era in skills training is on the horizon in Ottawa with the official opening of the University of Ottawa Skills and Simulation Centre to take place in October of 2010. We look forward to a new state of the art facility in which the CORE program and other surgical educational activities will flourish. The new Skills and Simulation Centre will include over 20,000 square feet of space for learning activities. Large and small sized skills rooms will be available to host the CORE program and act as a venue for numerous other surgical activities for undergrad, post-grad and CME learners. The centre will contain lead lined areas to accommodate training of surgical procedures which require fluoroscopy. Simulated operating rooms, ICU and trauma bays will be available for practice of technical skills or group interactions. State of the art audiovisual technology will allow direct video conferencing to and from operating rooms at the main campuses with the skills centre. A large conference room will be available for didactic teaching in small group sessions. Animal care facilities will be available for live animal labs to take place. The expectations for the centre as a learning institute of excellence are high. It has already drawn in experts from outside the Ottawa area to participate. Dr. Viren Naik, previous head of the St. Michael’s simulation centre has left Toronto to become the Medical Director of our new Skills and Simulation Centre and Dr. Stan Hamstra has been successfully recruited from the University of Michigan to come and act as the research director for the new institute. With this new Skills and Simulation Centre, the University of Ottawa’s reputation for training excellent surgeons should continue and provide us with a leadership role both nationally and internationally.
POSTGRADUATE SURGICAL EDUCATION SUBMITTED BY;

Dr. Stuart Oake

Department of Surgery Postgraduate Education Committee
(Surgery PGEC)

The Department of Surgery has officially established a Postgraduate Education Committee. The Committee comprises all Departmental Educational Program Directors. Meetings are held quarterly, the first being December 2009. Membership of Postgraduate Education Committee:

- Surgery PGEC Chair: Dr. Stuart Oake
- General Surgery: Dr. Dennis Pitt
- Orthopaedic Surgery: Dr. Joel Werier
- Urology: Dr. Jim Watterson
- Cardiac Surgery: Dr. Fraser Rubens
- Neurosurgery: Dr. John Sinclair
- Paediatric General Surgery: Dr. Shirley Chow
- Thoracics: Dr. Donna Maziak
- Vascular Surgery: Dr. Tim Brandys
- Plastic Surgery: Dr. Mary Jean Duncan
- Department Chair: Dr. Eric Poulin
- Ex-officio: Susan McCumber

The guiding principle of the Committee is “To identify commonality among Departmental Programs and to develop Departmental educational initiatives that can be presented to the University of Ottawa Postgraduate Education Committee on a single front”.

Terms of Reference

In February 2010, Terms of Reference were developed for the Department of Surgery Postgraduate Committee and presented and passed by the Surgery Executive Committee. The reporting structure for the Committee is as follows:

Department of Surgery Postgraduate Education

\[\Rightarrow\]

Surgery Executive Committee \[\rightarrow\] PGME University of Ottawa
University Bylaw Change

Through the support of the University Postgraduate Education Office, the Department of Surgery Education Committee (Surgery PGEC) is petitioning the University to allow the Department of Surgery to set up policies and educational principles that are specific to Surgical Programs and not currently governed in the bylaws that rule all 60-plus Programs in the University, many of which are non-surgical in nature. It is the belief of the Department of Surgery that there are issues specific to surgical programs that require a governance system currently not adequately addressed by existing bylaws. This will require a Senate bylaw change. A draft bylaw change has been prepared by the Surgery PGEC in conjunction with the University Postgraduate Office, and is in its final stages in preparation for presentation to the University for consideration. There will be consultation with the University of Ottawa legal counsel to ensure the document has been drafted accurately, thereby optimizing chances of success.

The following is an excerpt from a later draft of the policy:

“The Postgraduate Medical Education Committee shall be responsible for approving residency training requirements which exceed the minimum specialty training requirements defined by the Royal College of Physicians and Surgeons of Canada or the College of Family Physicians of Canada where the failure for a resident to achieve such enhanced requirements would result in a prolongation of training.”

Process:

1. Programs seeking enhanced training requirements need to make application, both in writing and with an in camera presentation, to the PGEC outlining the following;
   a. The nature of the training
   b. The logic for the requirement
   c. The process and timeline for addressing a resident’s failure to meet the training requirement within the stipulated time range

2. Approval will be simple majority of the PGEC.

3. Residents will be given at least one year’s notice before any changes are enacted.”

Dr. Paul Bragg, Postgraduate Education Dean, University of Ottawa has been instrumental in the development of this policy. From the perspective of the University of Ottawa Postgraduate Education Committee, this policy will afford the same rights and privileges to all University of Ottawa programs.
Department of Surgery Postgraduate Administrative Support;
With the development of the Surgery PGEC and its robust agenda, the Department of Surgery, through the support of the Department of Surgery Finance Committee, has funded a 0.4 FTE Administrative Assistant. The Administrative Assistant’s responsibility is to facilitate the development and implementation of initiatives agreed upon by the Surgery PGEC. The Admin Assistant is currently shared with the Urology Residency Program and is housed in the Urology Office of Education. Beth Balharrie has been a key component to the development of the Surgery PGEC agendas and implementation of its components.

Department of Surgery Education Office;
The Surgery PGEC has spent significant time in discussion and conceptualization of a potential Department of Surgery Education Office. This is a work in progress, with final plans depending upon further discussion within our Committee and with Facilities Management of The Ottawa Hospital. The current concept would be to have an office that would house as many Department of Surgery programs as possible and allow us to share resources in a more efficient fashion, i.e., administrative assistant man-hours. Our Committee is committed through its mandate, outlined previously, to allow educational programs and initiatives to be shared across all, for the purposes of avoiding work duplication and to allow the weaker programs to benefit from those in a position of strength.

The Year to Come - Agenda and Developing Issues;

1. We will continue and see to completion the topics outlined in this report.

2. After-math of Royal College Accreditation. As a key issue, we will provide support and the assistance to programs within our Department that did not receive full approval with the 2010 Royal College Accreditation.

3. Continue to support Plastic Surgery in its inaugural year, and after its first successful CaRMS match.

4. The Department of Surgery will play an active role in the University’s initiative to revise Web One45, making it more functional and applicable to current issues. As an example, we will work on refined ITER guidelines for all programs; this is a current pitfall for many surgical programs. The author of this document will be sitting on this committee in representation to the Department of Surgery and its surgical programs.
DIVISION OF CARDIAC SURGERY

General Overview

Dr. Thierry Mesana, 
Professor, 
Michael Pitfield Chair of Cardiac Surgery 
Chairman of Transplant Committee

Faculty Members

Dr. Munir Boodhwani 
Dr. Paul Hendry, Devices Program Director 
Dr. William Goldstein 
Dr. Khanh Lam, Undergraduate Program Director 
Dr. Harry Lapierre 
Dr. Roy Masters, Deputy Chief 
Dr. Gyani Maharajh, Chief Paediatric Cardiac Surgery, CHEO 
Dr. Fraser Rubens, Post-Graduate Program Director 
Dr. Marc Ruel, Cardiac Surgery Research Director 
Dr. Laszlo Ressler

Research Scientists involved with Cardiac Surgery Research Activities:

Dr. Erik Suuronen, PhD, Basic Science Molecular Biology 
Dr. Rosendo Rodriguez, MD,PhD, Clinical Research coordinator 
Dr. Rosalind Labow, PhD, Director of Taichman Research Laboratory. 
Dr. Michel Labrosse , PhD, Cardiac Valve Computer Simulation Research

Cardiac Surgery Fellow

Dr. Olivier Schussler 
Dr. Stefano Mastrobuoni 
Dr. Elsayed Elmestekawy 
Dr. Riccardo Giovannetti

Surgical Services

The Division offers cardiac surgery to Ottawa-Gatineau population and beyond. 20% of our caseload consists of referrals from western Quebec. We also get referrals from across Eastern and Northern Ontario and other parts of Canada, due to more specific expertise such as mitral valve surgery, minimally invasive coronary surgery, Pulmonary Thrombo Endarterectomy, Heart Transplant/rotary VADs, minimally invasive Arrhythmia surgery.
Surgical volumes have been steady, even slightly increasing around 1500 major heart surgery cases in the past 12 months, including Quebec referrals. Noticeably, after a period of decrease in coronary surgery, cardiac surgery volumes have been stable and even with a recent increase in our waiting list which varies now between 170 and 200 patients. Anything above 200 patients would expose our patients to exceed recommended waiting times. In this case we would, as per Ministry/CCN rules, offer over waiting patients to get surgery elsewhere in Ontario. Hopefully, we could always manage to have our patients operated in Ottawa. The reputation of our center makes our community very reluctant to have surgery elsewhere. More often, patients from other places in Ontario would rather request to be transferred to Ottawa to have a specific surgery not done elsewhere with the same level of success, such as complex mitral valve repair, minimally invasive bypass surgery, rotary blood pump implantation, and all kinds of higher risk surgery rejected from other centers in Ontario. We continue to have a large number of patients deemed too high risk or requesting specific expertise (complex valve repair, minimally invasive surgery).

We have been very actively involved in developing percutaneous aortic valve replacement program in conjunction with our colleagues from interventional cardiology (Dr. Ruel collaborating with Dr. Labinaz). This program had been initiated as pilot study and increased in pace gradually, placing our centre in a leadership position in this innovative field. Our unique relationship with Interventional Cardiology has been key to this initiative. This relationship cardiac surgery/cardiology is quite unique and cited as an example in this quickly developing field. We have performed so far over 50 cases with excellent results, becoming a training center for percutaneous valve implantation (TAVI). First cases of transapical approach through a mini left thoracotomy are planned for the fall. Main issues for future development of TAVI will be related to funding of these expensive procedures, which are not funded by the Ministry of Health although a very established procedure now for selected patients and performed also in Toronto and Hamilton. A large provincial initiative is underway but new money still needs to be found and dedicated to 2 or 3 Ontario centers

The OR renovation program completed in 2008 has allowed us to work in a much better OR facility. However, it is obvious that the UOHI would need to build within a very near future a Hybrid OR to expand minimally invasive coronary/valve/arrhythmia surgery and new programs such as percutaneous valve or thoracic aorta replacement. This should allow us to continue to operate and grow while waiting for further overall UOHI building developments proposed recently for the 5-year master plan. Finally, in the event of acquisition of Robotic instrumentation, there is no doubt that it would benefit cardiac surgery as well as other surgical specialties.
**Summary of Highlights and Awards**

Dr. Marc Ruel has been appointed as Full Professor

Dr. Khanh Lam has been appointed as Associate Professor

This year, Dr. David Adams, a US surgeon, world expert in mitral valve surgery, was the Visiting Professor of the Endowed Cardiac Surgery Foustanellas Lecture in February.

Dr. Niv Ad, Head of Cardiac Surgery, at Washington University also came as Visiting Professor for Arrhythmia Surgery

Dr. Magdi Yacoub from England, an iconic surgeon, probably one of the top 5 in cardiac surgery history, was invited to give the Keon Lecture in June. This was a memorable day for The UOHI.

UOHI Cardiac Surgeons have been involved in the organization of national and international meetings (Canadian Cardiovascular Society, American Heart Association Annual Meeting).

The UOHI organizes Research Seminars every Monday and Grand Rounds lectures most Wednesdays. Many lectures were given by our members (Dr. Mesana, Dr. Ruel, Dr. Rubens, Dr. Lam, Dr. Hendry, Dr. Suuronen) on various subjects (mitral valve surgery, coronary surgery, regenerative surgical therapy, atrial fibrillation surgery, heart failure surgery, PTE surgery, transplant surgery)

We are also extremely involved in fund raising events through the UOHI Foundation. The Division of Cardiac Surgery has been very actively involved in the UOHI annual Telethon with presence in the media.

We have a growing fellowship program in Cardiac Surgery with Endowed Fellowship ($1,000,000 donation), which will be dedicated to basic research, valve surgery fellowship, and two other clinical fellow positions. We have fellows coming from Europe, Japan, China, and India.

**Research**

The Division of Cardiac Surgery has intense research activities, both basic science and clinical science.

For basic science research, Drs. Ruel and Suuronen are established internationally in the field of regenerative myocardial therapy and a growing international reputation.
We have close to one million dollar annual funding for the Cardiac Research Laboratory, out of 8 separate grants (CIHR, HSF, ORF). Dr. Ruel is holding an endowed Cardiac Research Chair (two million endowment).

The lab has 10 presentations at the upcoming CCS meeting (Oct 2010), and 2 at AHA (Nov 2010), in addition to our clinical presentations at CCC, AHA and STS.

Dr. Suuronen supervises 13 Masters or PhD students in the lab. We have 6 scholarships and 7 awards in various societies and events in 2010 granted to our research students.

For clinical research, the division has several important research initiatives articulated around valve surgery and coronary surgery. In particular, we have the Valve Clinic Research Unit, for patients going through valve surgery and requiring long-term follow-up. More than 7000 patients are entered into a massive database. This has led to very productive research and many important papers as listed below. Funding source comes from industry granting, the Division of Cardiac Surgery, as well as Cardiac Surgery Leadership Chair held by Dr. Mesana.

Dr. Mesana has created a specific database for mitral valve surgery and repair, in particular, which already includes close to 1000 patients with longitudinal follow-up. We are now developing with our new recruit, Dr. Boodhwani, a thoracic aorta and aortic valve repair initiative with a dedicated clinic, and database.

In November 2009 Dr. Mesana published a very important paper in the New England Journal of Medicine (impact factor 39) as a world recognized expert in mitral valve repair, which constitutes a landmark paper for the division and the UOHI.

**Publications**

Our team has presented one or several papers in each important meeting for Cardio Thoracic Surgeons (AATS, EACTS, AHA, CCS, STS).

We have been Section Editor for 4 Issues of Opinion in Cardiology in 2009-2010 (Dr. Mesana, Valve Surgery and Coronary Surgery).

Our surgeons have been invited to present lectures nationally and internationally (Dr. Ruel, Dr. Rubens, Dr. Lam, Dr. Mesana)

Below is the list of publications as presented in Pubmed On line, where various members of our division have been involved in 2009-2010:


20. KURAITIS D, SUURONEN EJ, SELKE FW, RUEL M. The future of regenerating the myocardium. Current Opin Cardiol in press


22. DENG C, VULESEVIC B, ELLIS C, KORBUTT GS, SUURONEN EJ. Vascularization of collagen-chitosan scaffolds with circulating progenitor cells as potential site for islet transplantation J Control Release in press
DIVISION OF ORAL
AND MAXIOFACIAL SURGERY
DIVISION OF ORAL AND MAXIOFACIAL SURGERY

General Overview

A general overview of academia and clinical activities and programs
The Division of Dentistry has been actively involved in both academic and clinical training of Residents in both the Otolaryngology and the new Plastic and Reconstructive Surgery Residency training programs.

Dr. Butterfield has opened a joint Obstructive Sleep Apnea Surgical Clinic with Dr. Laurie McLean of Otolaryngology at the Civic Campus Division. Members continue to travel to Iqaluit approximately 4 times per year to service Oral and Maxillofacial Surgical needs of the local population.

The Division is in the planning stages to open a Dental Clinic in the newly renovated Cancer Clinic at the General Campus, to improve access and care of Cancer patients. The Division is actively recruiting a second full-time clinician to help staff the new Cancer Center Dental Clinic, and the existing Civic clinic.

Faculty / Staff

Dr. Kevin Butterfield
Dr. Harry Amos
Dr. Richard Biewald
Dr. Stephen Caples
Dr. Gary Cousens
Dr. John Cox
Dr. Mario Dumas
Dr. Margaret Galanter-Mosielski
Dr. Hassan Ghaderi Moghadam
Dr. Gerald Glantz
Dr. Michael Hamilton
Dr. Brent Johnson
Dr. Cameron Jones
Dr. Samuel Kucey
Dr. Taylor McGuire - New Staff Member
Dr. Jack Newton
Dr. Eleni Vichos
Dr. William Wayne
Dr. Andrea Wiseman
Dr. Ed Zeligman
The Division continues to treat

- craniofacial congenital abnormalities
- craniofacial trauma
- benign head and neck pathology
- head and neck reconstruction
- severely medically compromised patients requiring dental care
- patients prior to initiation of chemotherapy / head and neck radiation therapy
- patients prior to cardiac valve surgery
- developmentally delayed individuals
DIVISION OF GENERAL SURGERY

General Overview

Dr. Joseph Mamazza,
Associate Professor and Chair

Faculty Members

General Campus
Dr. Rebecca Auer
Dr. Robin Paul Boushey
Research Director, General Surgery
Dr. Audley Bodurtha
Dr. Martin Friedlich
Dr. John Lorimer
Dr. Dennis Pitt
Program Director, Division General Surgery
Dr. Shaheer Tadros

Civic Campus
Dr. Fady Balaa
Dr. Christopher Chadwick
Dr. Robin Fairfull Smith
Dr. Richard Mimeault
Dr. Husein Moloo
Dr. Vijay B Moonje
Dr. Husein Moloo
Dr. Giuseppe Pagliarello
Dr. Alfred Stedman
Dr. Jean-Denis Yelle
Dr. James Watters

Children’s’ Hospital of Eastern Ontario
Dr. Shirley Chou
Dr. Juan Bass
Dr. Marcos Bettolli

Fellows and Fellowships
Dr. Abdulrahim Alawashez  MIS
Dr. Jamal Al-Sharif  HPB
Dr. George Rabbat  Trauma
Dr. Isabelle Raiche  MIS
Dr. Lara William  Colorectal
Summary

Dr. Steven Rubin – Paediatric Surgeon – Dr. Rubin formally retired on March 31, 2010.

Dr. Brian Sweeney, Paediatric Surgeon – Dr. Sweeney now permanently resides and works in his homeland of Dublin Ireland. Dr. Sweeney’s last day at CHEO was May 28th, 2010.

We have plans to recruit an additional MIS hepatobiliary surgeon, a MIS surgeon and a trauma surgeon in the next five years.

The hepato-pancreatico-biliary surgeons are now consolidated at the Civic Campus where the HPB unit has been established.

Three of our residents, Dr. Beverly Chan, Dr. Reilly Musselman and Dr. Rashmi Seth, are currently enrolled in a Surgeon Scientist Program.

The Bariatric Surgery program began in September, 2009 under the co-directorship of Dr. JD Yelle and Dr. J Mamazza.

Dr. R. Fairfull-Smith continues to volunteer his time and expertise in developing countries.

Visiting Professors

This year for the general surgery Research Day, Dr. Lee Swanstrom was our visiting professor. He made a grand round presentation to the department of Surgery on “NOTES: What is real, what is myth and what is important?”.

Awards

Dr. Husein Moloo was nominated for Best Masters Thesis in August 2009.

Dr. James Watters was awarded the “Quality Award” for the implementation of a Corporate Vascular Access Program at the 4th Annual Quality and Innovation Awards of the Cancer Quality Council of Ontario, Cancer Care Ontario and the Canadian Cancer Society in December 2009.

In May 2010 Dr. Husein Moloo received “The Midwest Society of Colon and Rectal Surgeons William C. Bernstern” Award in Minneapolis, USA.

In June 2010, Dr. Fady Balaa was the recipient of the “Audley Bodurtha Teaching Award for Excellence in Resident Teaching”.

Rashmi Seth (PGY2) won third prize at the Biochemistry, Microbiology and Immunology Graduate Student Research Day held on May 20th, 2010.
Lara Williams (MIS Fellow) was awarded best paper submitted at the American Society of Colon and Rectal Surgery meeting in Minneapolis. There were over 650 submissions from across North America, Europe, and Asia.

At the Department of surgery, Collins Day - Guillaume Martel (PGY4) won the Graeme Barber prize for Best Clinical Paper and also won one of the 3 Best Resident Teacher awards.

**Summary Division of Paediatric General Surgery**

Dr. Kyle Cowan, Paediatric Surgical Trainee who has a PhD as well as a postdoctoral degree, has accepted a staff position as a Paediatric General Surgeon in our Division commencing July 2011. Dr. Cowan will also be involved in research activities with the CHEO Research Institute.

We are not expecting a Research Fellow for July 2010 but are still actively searching. Our next Research Fellow will be working with Dr. Cowan on various research projects. Dr. Ramanath Haricharan will be our next Paediatric Surgical Trainee as of July 2011.

We have to ensure that the research is sustainable. Therefore, we must strive to maintain our contacts with other faculties to continue our research. We have to think about recruitment. We have to make the Division of Paediatric Surgery attractive for others to seek employment. We therefore have to maintain our teaching and research to be able to attract new recruits. This indirectly affects the Program since the teaching staff is very important in maintaining a strong Program.

**Clinical Functions of the Division**

Clinically, the surgeons work together. As a result of Dr. Sweeney’s departure, Dr. Bass, Dr. Bettolli and Dr. Chou are sharing Dr. Sweeney’s clinical workload and on-call schedule responsibilities equally until another full-time paediatric general surgeon is hired. Patients still are discussed pre-operatively, intra-operatively and post-operatively, guaranteeing optimal clinical management. Evidence based medicine forms the basis of clinical practice in the Division. Reviews of morbidities and mortalities within our Division are conducted regularly. All of the above is reflected clinically by the fact that we are a standard of practice surgical unit as regards Neonatology, Trauma, Oncology, minimally invasive techniques in surgery etc.

The Division has strong relationships with other Divisions in Surgery. This is specifically notable by our sharing of operative procedures.

Urology, Cardiac Surgery, ENT Surgery and Urology have welcomed our Resident’s and Fellow’s participating in their clinical activities. Electives in their specialties are available to our residents and fellows.
Daily resident and student teaching are continuous. This is in addition to the weekly academic half day every Wednesday morning. Three hours of presentations and discussions by the Resident staff in the presence of all General Surgery faculties occurs. Digital copies of all presentations are kept on file in the Division. This library is available to all CHEO residents and medical personnel. Morbidities and Mortality meetings as well as Journal Rounds sometimes replace the weekly presentation. Copies of these formal presentations are kept in the files of the Divisional Office.

Elective students and/or residents join us in the clinic. We have six clinics/week. In addition there are four operating days/week and the residents are present and take part in all operating room procedures. After hours and weekend coverage always includes a resident or a fellow and an attending staff. Teaching in these emergency situations is an essential part of Paediatric General Surgical training.

Publications


4. YAROM N, MAROUN JA, , BIRNBOIM HC, ASMIS T, MOYANA T, MARGINEAN EC, TEO I, GORN I MARGINEAN H, JONKER DJ. EGFR expression variance in paired colorectal cancer primary and metastatic tumours. Accepted for publication in Cancer Biology & Therapy (June 2010)

5. ASMIS T, BALAA F, SCULLY L, PAPADATOS D, MARGINEAN C, FASIH N, SHAW-STIFFEL T, GOEL R. Diagnosis and management of hepatocellular carcinoma: results of a consensus meeting of The Ottawa Hospital Cancer Centre. Curr Oncol. 2010 Apr;17(2):6-12


15. PINSK I, SEPPALA R, FRIEDLICH M. Anography: a technique for determining the location of the internal opening in perianal fistula. Colorectal Disease 2010, 12, 896–900 897


**Book Chapter / Article Review**


4. MOLOO H, BOUSHEY RP. Miscellaneous Neoplasms ASCRS Textbook, Springer Inc.


**Published Abstracts**


4. SLIJPER N AND BETTOLLI M. **Old device, new application - a snake liver retractor used to manipulate a mediastinal mass.** 19th IPEG June 2010 Hawaii.


22. MOHAMMAD W, TROTTIER D, NADOLNY J, LABROSSE M, TARDIOLI K, POULIN E, MAMAZZA J, FAIRFULL-SMITH R, MIMEAULT R, MOLOO H, BALAA, F. Acute Care Surgery Services: Does it Affect the Management of
Acute Cholecystitis? (Ref. No. 7800196) 9th World Congress of the International Hepato-Pancreato-Biliary Association, IHPBA 2010.

23.DE CARLI C, BETTOLLI M. An unusual case of recurrent abdominal pain in a 17 year-old girl: Extraluminal lymphangiektasis of the cecum managed by laparoscopy. IPEG 2009 meeting.


DIVISION OF NEUROSURGERY
DIVISION OF NEUROSURGERY

General Overview

Dr. Richard Moulton,
Associate Professor and Chair

Faculty Members

Dr. Charles Agbi
Dr. Brien Benoit
Dr. Vasco DaSilva
Dr. Howard Lesiuk
Dr. John Sinclair, Program Director
Dr. Enrique Ventureyra, Head Paediatric Division
Dr. Michael Vassilyadi
Dr. Munyao Nzau
Dr. Eve Tsai
Dr. Michael Richard, Clinical Research

Fellows

Dr. Moutasem Azzubi,
Dr. Ikhlass Altwejri

Summary of Highlights

Publications

Journal Articles


ABSTRACTS:


DIVISION OF
ORTHOPAEDIC SURGERY
General Overview
Dr. Geoffrey Dervin
Associate Professor and Chair

Faculty Members

General Campus
Dr. Paul Beaulé    Adult Reconstruction
Dr. Jacques Brunet   Foot and Ankle
Dr. Geoff Dervin    Knee reconstruction
Dr. Jean Pierre Desjardins General Orthopaedics
Dr. Robert Feibel    Adult Reconstruction
Dr. Alan Giachino    Hand & Wrist, Adult Reconstruction
Dr. Paul Kim        Adult Reconstruction
Dr. Karl-Andre Lalonde Foot and Ankle
Dr. Peter Lapner    Shoulder
Dr. J Pollock        Shoulder, Elbow
Dr. Peter Thurston  Adult Reconstruction
Dr. Joel Werier    Orthopaedic Oncology, Upper Extremity

Civic Campus
Dr. Donald Chow    Spine
Dr. Kathleen Gartke Foot and Ankle
Dr. Wade Gofton    Trauma, Adult Reconstruction
Dr. Donald Johnson Sports Medicine
Dr. Garth Johnson  Spine
Dr. Stephen Kingwwell Spine
Dr. Allan Liew    Trauma, Sports Medicine
Dr. Pat Murnaghan Shoulder, Adult Reconstruction
Dr. Joseph O’Neil  Spine, Adult Reconstruction
Dr. Steven Papp    Trauma, Upper extremity
Dr. Oliver Portner Sports Medicine
Dr. Eugene Wai    Spine
Dr. Ross Wilkinson Sports Medicine

CHEO
Dr. James Jarvis    Paediatric Orthopaedics
Dr. Ken Kontio    Paediatric Orthopaedics
Dr. Louis Lawton    Paediatric Orthopaedics
Dr. Paul Moroz    Paediatric Orthopaedics
Dr. Baxter Willis    Paediatric Orthopaedics
Fellowships and Fellows for the Past Year

Dr. Hesham Abdelbary   Oncology
Dr. Greg Firth       Paediatrics
Dr. Joshua Lee      Athroplasty
Dr. Toru Niskiwaki  Arthroplasty
Dr. Milton Parai    Comprehensive Knee
Dr. Hani Zamil      Trauma
Dr. Ray Chaudry     Shoulder

Summary of Highlights Clinical Activities

As the academic year concluded, the Division of Orthopaedic Surgery boasted among the highest number of poster and podium presentations at the annual Canadian Orthopaedic Association meeting as well as strong representation on a number of clinical symposia.

The specific academic activities of all of the sub-specialties within the Division of Orthopaedics follow these general remarks and speak to a very engaged, energetic and effective group of clinicians providing world class care while at the same time advancing orthopaedic knowledge through intense biomechanical and clinical based study. We have adopted the culture promoted by the University that scholarship really does begin with dissemination of all that we do and all members have been encouraged to see all of the fruits of their research promoted as much at national meetings and in leading orthopaedic journals.

Our Division has been significantly strengthened with the addition of Dr. Stephen Kingwell who completed his Fellowships in British Columbia and is now a full-time Assistant Professor with concentration in spinal disorders with a significant positive impact in terms of quality care for our patients. At the same time, we bid farewell with great thanks to Dr. Pat Murnaghan whose career at the original Ottawa Civic Hospital and then subsequently The Ottawa Hospital has been consistently marked by excellence in patient care noted by the dozens of appreciative letters from grateful patients over that time frame. Dr. Murnaghan also had a passion for teaching, particularly at the undergraduate level and his assistance with that was greatly appreciated and will be sorely missed.

Many of the Division faculty and residents continue to provide service abroad, particularly in paediatric orthopaedics as described below. On the adult side, Dr. Chris Carruthers and Dr. Sasha Carsen completed an expedition to Nairobi, Kenya where several arthroplasty procedures were performed and a leadership conference was also provided to that country’s elite physician workforce.

Our Postgraduate Residency Program is the life blood of the academic environment for the Division Program and we are happy to report that the Program was strongly endorsed and recommended by the Accreditation Committee of the Royal College of the Physicians & Surgeons. They remarked
that there was good compliance with the new Can Meds objectives with great
initiative in a number of educational programs that were strongly beneficial to
the residents and fellows. We are fortunate to have several members in the
Division with postgraduate training in education which significantly enhances the
capacity of the Program to deliver superb training for our residents. Our
departing residents left a terrific impression on the Program and we wish all the
professional success and satisfaction for Drs. David Simon, Mark Steeves, Ali
Mahmoudi, Hesham Abdelbary, Chris Brown and a special thanks to Dr. Shawn
Garbedian for his leadership and administration in the role as Chief Resident.

The clinical load continues to be significant in orthopaedics with a constant
stream of non-elective trauma cases, with an emphasis in level 1 high level
trauma care at the Civic Campus. In addition, significant wait lists exist in
multiple areas of elective orthopaedics, some of which do have additional
priority funding but many of which are still deficient in the latter. Specific
reports from sub-specialty leaders are provided below to highlight some of the
past year’s accomplishments and re-iterate the strong commitment to the
highest level of sub-specialty care that is expected from a tertiary care academic
hospital.

ADULT RECONSTRUCTION SERVICE
(submitted by Dr. P. Beaulé)

Again this year has been a very dynamic and productive year from all members
of our group. The continued development of our biomaterials and biomechanics
research is evolving and growing at a fast pace with Dr. Isabelle Catelas. We
now have a well established failed joint implant retrieval program with three
master’s students working on both in vitro and in vivo cell tissue cultures in
order to be better understand the pathomechanism of implant failures.

Dr. Paul Beaulé as principal investigator of his CIHR grant has further solidified
the multidisciplinary collaborations: Dr. Hanspeter Frei is supervising Andrew
Speirs for his PhD studies on the understanding of the biomechanics of femoral
acetabular impingement. We have expanded and continued our collaborations
with the School of Human Kinetics with Dr. Mario Lamontagne with several
publications on hip joint kinematics after total hip replacement as well as in the
presence of femoral acetabular impingement and as well as an initiated project
on the kinematics after knee replacement surgery.

Finally our continued collaboration with the Department of Radiology with Drs.
Mark Schweitzer, Kawan Rakhra, Gina DiPrimio, Adnan Scheik and Ian Cameron
in better developing cartilage imaging protocol as well as imaging of painful total
joint replacement.

Some of the individual highlights follow. Dr. Geoff Dervin was awarded a
TOHAMO grant for a study which aims to look at the feasibility of 24 hour day
surgery for knee replacement.
Dr. Robert Feibel has initiated the collaboration with the endocrinology division with Dr. Erin Keeley in regards to the impact of untreated diabetes in complications post total joint arthroplasty. He also served as lead author on a publication in regards to major complications associated with femoral nerve blocks and total knee replacement.

Dr. Paul Kim has continued activities in postgraduate continuing professional education with two courses involving the hip with both Stryker and Wright Medical Technologies focusing on the anterior approach as well as revision arthroplasty.

Dr. Paul Beaule chaired the successful (Eighth) Annual Symposium on Joint Preserving Minimally Invasive Surgery in June. The meeting was accredited and organized by the University of Ottawa CME office with over 100 attendees and 30 international faculty including Australia, Brazil, Europe, Argentina and all over North America. A Gala dinner was held at the Art Gallery attended by all participants as well as members of the Department of Surgery.
In regards to other activities we had our second annual Adult Reconstruction visiting professor which was Dr. David Murray from Oxford who gave two talks one on metal on metal adverse tissue reactions as well as the history of the Oxford unicondylar knee arthroplasty at Department of Surgery Grand Rounds.

Finally at this year’s Canadian Orthopaedic Association meeting our Adult Reconstruction Group was extremely well represented with 18 original scientific presentations.

**FOOT AND ANKLE**  
*(submitted by Dr. K.A. Lalonde)*

The Foot and Ankle group continues to provide excellent clinical care while developing its research program and maintaining its educational mission.

On the clinical front, the group provides a comprehensive tertiary level program for Foot and Ankle pathologies ranging from forefoot deformities to neuropathic ankle fractures. The ankle arthroplasty program is growing and attracting patients from all across Ontario. The role of ankle arthroscopy has also been evolving and our group continues to offer this expertise to the community. The demand for our services in the Eastern Ontario region is sustained and timely care of patients with foot and ankle pathology continues to be a challenge, both locally and nationally.

On the research front, Dr. Gartke is investigating the role of popliteal fossa blocks in the day surgery setting. Dr. Brunet has been involved in wound care education at a regional level. Dr. Lalonde continues to collaborate with the Canadian Orthopaedic Foot and Ankle Surgeons (COFAS) in prospectively studying patients undergoing ankle arthroplasty and ankle fusion as part of a national database. Studies are also ongoing comparing iliac crest bone graft and platelet-derived growth factor for hindfoot fusions. Another randomized controlled study is examining the role of opening wedge osteotomy for correction of high 1-2 intermetatarsal angles. Finally, Dr. Steeves presented at the Canadian Orthopaedic Association 2010 the results of his resident research project looking at injuries to the spring ligament complex in association with rotational ankle fractures.

Resident education continues to be a focus for the group. Monthly Foot and Ankle conferences are held at the General Campus. The group also contributes to the half-day academic sessions and runs a successful journal club with the residents. This year, the resident group awarded the “Teacher of the Year” award to Dr. Lalonde. On the national stage, Dr. Lalonde continues his involvement as a Royal College Examiner and Dr. Brunet participated as faculty at the Canadian Orthopaedic Research Forum in Calgary. The group has been represented as invited speakers at various educational meetings across Canada. Dr. Lalonde continues to pursue post-graduate studies in medical education and is also involved in a study examining the quality of newly introduced online in-training evaluations.
Overall, the group has noted an increasing interest in Foot and Ankle surgery amongst the resident group, with many finishing residents now seeking fellowship opportunities in this area.

**MUSCULOSKELETAL ONCOLOGY**  
*(submitted by Dr. J Werier)*

The Musculoskeletal Oncology Unit at the University of Ottawa provides comprehensive tertiary care for patients with sarcoma and related musculoskeletal tumors from Ottawa and Eastern Ontario, including the paediatric population at the Children’s Hospital of Eastern Ontario. The program is involved with teaching at the graduate and undergraduate level and has fostered academic research collaborations with other Canadian oncology centers as well as the Departments of Diagnostic Imaging and Medical Oncology at the Ottawa Hospital.

An active collaborative basic science research program continues with the Ottawa Hospital Research Institute and the lab of Dr. John Bell investigating the role of oncolytic virus for the treatment of musculoskeletal neoplasm.

The Musculoskeletal Oncology Program continues to maintain a prospective database of functional and oncological outcomes on all sarcoma patients. A dedicated sarcoma tumour-banking program maintains tumour samples on all sarcoma patients to complement the database.

From an educational perspective there are weekly teleconferenced sarcoma teaching rounds as well as biweekly multidisciplinary sarcoma conferences and biweekly paediatric tumour review boards. There is an annual MSK oncology journal club for orthopaedic residents as well as multidisciplinary journal clubs. Residents are exposed to multidisciplinary clinics at the Ottawa Hospital Cancer Centre and the Children’s Hospital of Eastern Ontario.

An orthopaedic oncology fellowship program has been a very positive addition to the unit and to the experience of the residents. We have had the privilege and pleasure of training superb fellows over the last several years and select fellows will be joining the program in subsequent years.

Dr. Werier is Chair of the University of Ottawa Musculoskeletal Oncology Unit (Sarcoma site Group), Co-PI of the Ottawa Hospital tumour banking program, secretary of the Canadian Orthopaedic Oncology Society (CANOOS), a member of Cancer Care Ontario’s sarcoma clinical guidelines group and sits on Cancer Care Ontario’s expert panel for provincial sarcoma care delivery. He is also an invited lecturer for the annual Canadian Orthopaedic Review Forum for Chief residents.
PAEDIATRIC ORTHOPAEDICS (CHEO)  
(submitted by Dr. J. Jarvis)

International

All members are involved with International Outreach in developing countries including both teaching and operating. Dr. Baxter Willis as President of the Paediatric Orthopaedic Society of North America has toured the globe representing the world’s leading paediatric orthopaedic society. Dr. Paul Moroz, has visited Bhutan and Kenya. Dr. Kontio has visited India and Bangladesh with the Paediatric Orthopaedic Society of North America while Dr. Jarvis & Dr. Lawton have visited Quito, Ecuador with the Canadian Association of Medical Teams Abroad.

Programs

Dr. Kontio has initiated a dedicated Clubfoot Clinic with concomitant opportunities for resident teaching and research. The VEPTR program, under Dr. Paul Moroz has expanded and provides care for the young child with asphyxiating thoracic dystrophy obviating transfer to other centres. Dr. Lou Lawton has developed a Paediatric Shoulder program which provides shoulder arthroscopy & repair for the skeletally immature.

Teaching

All five members of the Division remain dedicated to resident and student teaching with three members on the Resident Training Committee. In particular; Dr. Kontio is involved in a number of educational research projects including the 360 evaluation system in conjunction with his Masters of Education program. He is actively involved in the educational content at Specialty Society meetings and Inter Professional education scenarios.

Research and Publications

The Paediatric Division remains active in research with recent publications on pin placement in supracondylar fractures, nerve intrapment in elbow injuries, surgery for clubfoot as well as several textbook chapters. The Division is involved in a number of multi-centre studies including the use of the E-Health for scoliosis pre-op teaching.

SPINE
(submitted by Dr. E. Wai)

The combined orthopaedic and neurosurgical spine program at the University of Ottawa is pleased to report that one of our members, Dr. Eve Tsai, was selected as one of Canada’s Top 40 under 40 and is becoming an international leader in basic science research in spinal cord injury. On the clinical research side,
Dr. Eugene Wai is investigating the role of physical activity as a cause and a treatment in the chronic low back pain, and is developing tools to better manage the flow of patients referred for assessment.

The expansion of minimally invasive spinal surgery has allowed for more outpatient spinal surgical procedures, helping cope with the occupancy pressures for inpatient surgery at the Ottawa Hospital. A pilot program incorporating physiotherapists in triaging of consults has been initiated with good initial success.

SPORTS MEDICINE
(Submitted by Dr. Dervin)

Historically, Sport Medicine has encompassed soft tissue and arthroscopic reconstruction of most joints in addition to the conservative treatment of soft tissue injuries, many in the pursuit of athletic endeavors. As the complexity of reconstructive procedures has advanced, it has become difficult for a single individual to be expert in the global arena of Sport Medicine. Our philosophy has been to promote and encourage the development of joint specific surgeons who retain an expertise in all manners of soft tissue and ultimately prosthetic reconstruction of joints in addition to being facile with soft tissue reconstructions. As such, members of all sub-specialties treat the sports injured patient and a few individuals concentrated most of their efforts in arthroscopic reconstruction namely Drs. Don Johnson (who retains a strong leadership position within the international arthroscopic community) and Ross Wilkinson for the treatment of local high level athletes. Several others in the Division continue to perform this as an adjunct to their practice which may also include bony and prosthetic reconstruction. The residency exposure and academic productivity of these areas is encompassed within the other joint specific subspecialty areas and we certainly value these advances in an ever important concept of joint preservations.

UPPER EXTREMITY SERVICE
(Submitted by Dr. P Lapner)

The Upper Extremity Service provides a multispecialty approach to the care. In 2009, members of the Upper Extremity Service had approximately 5500 patient visits and performed more than 650 surgical procedures. In addition, members of our Service treat a significant number of patients with complex upper extremity trauma as referred to our Service within the Champlain LHIN. With this volume of cases, we have been able to acquire a significant amount of information on the outcomes of surgical procedures; information that is being used to improve techniques. This effort is being further advanced as data is now being collected prospectively on procedures related to the rotator cuff, instability surgery, and shoulder arthroplasty as well as acromio-clavicular joint procedures. In a subset of patients, functional outcomes were used to determine radiographic prognostic factors that now help to better define prognosis for patients with advanced rotator cuff disease.
The anatomy of the biceps tendon is currently under investigation, as it applies
to repair of distal biceps ruptures. A simulator for the shoulder has been
created, and has now been modified to work as an elbow simulator as well, for
the assessment of kinematics of the shoulder and elbow. The optimal method of
rehabilitation following shoulder arthroplasty, given the limitations of a fresh
tendon repair, is also currently under investigation.

Research is a productive component of the Upper Extremity Service. In 2009,
the Service continued its effort with in depth controlled outcome studies in
rotator cuff surgery and shoulder arthroplasty.

In the area of basic science research, the Service actively collaborates with the
Orthopaedics Biomechanics Laboratory, where the optimal surgical exposure for
open elbow procedures is currently being investigated. With the support of a
$90,000 PSI research grant, our Service has investigated the optimal method of
tendon repair (now nearing completion) following shoulder replacement. In a
new collaboration with kinesiologist Dr. Mario Lamontagne, investigations will
soon be underway to determine differences in shoulder kinematics in patients
with varying types of shoulder instability. As well, investigations are also
underway to determine the relationship between Smith’s distal radial fractures,
and carpal instability.

From an educational perspective, the service continues to train residents and
fellows with a comprehensive schedule that includes weekly specialty-specific
teaching rounds in addition to other regular clinical activities.

ORTHOPAEDIC TRAUMA
(Submitted by Dr. A Liew)

The Orthopaedic Trauma Service continues its mandate as a centre of excellence
in the treatment of traumatic musculoskeletal injuries with multiple areas of
activity.

With a grant from the Department of Surgery, the second phase of the study on
VAC treatment of fasciotomy wounds in compartment syndrome in a porcine
model continues. The group is also involved in several randomized clinical trials
in conjunction with the Canadian Orthopaedic Trauma Society (COTS), including
operative vs non-operative treatment of AC joint injuries, intramedullary vs
extramedullary treatment of intertrochanteric hip fractures, DHS vs cannulated
screws for femoral neck fractures, operative fixation methods for distal radius
fractures, the FLOW study for open fractures, and operative vs non-operative
treatment of humerus fractures. The addition of Julia Foxall as research
assistant has helped keep these studies on track. and she has managed the
trauma database well. The group has also authored book chapters on techniques
of treatment for pilon and subtrochanteric femur fractures, as well as evidence
based treatment of subtrochanteric femur fractures.
Brad Slagel successfully completed his trauma fellowship, and is now a welcome addition to the orthopaedic group in Sault Ste Marie. The fellowship now has international exposure with the current fellow, Hani Zamil from Saudi Arabia. The staff members have been actively involved as teaching faculty at national and international courses, as well as presenting symposiums at trauma society meetings.

The “Walking Wounded” program has been successfully implemented at all 3 campuses, providing ambulatory fracture treatment for an increasing number of patients, simultaneously improving patient satisfaction with their care while improving hospital patient flow through. The development of the hip fracture care path is nearing completion; while the provincial mandate of expedient treatment of hip fractures is not only being met the completion rate is above the provincial average.

Publications


DIVISION OF PLASTIC SURGERY
DIVISION OF PLASTIC SURGERY

General Overview

Dr. Mario Jarmuske
Assistant Professor and Chair

Faculty Members

Dr. Murray Allen
Dr. Michael Bell
Dr. Paul Benoit
Dr. Mary Jean Duncan
Chief, Plastic & Reconstructive
Paediatric Plastic Surgery
Program Director
Dr. Nicholas Guay
Dr. Daniel Peters
Dr. Gloria Rockwell
Dr. Hugo St Amand
Dr. Lloyd van Wyck
Dr. Gary Gross (Montfort Hospital)

Summary of Highlights and Awards

The Division of Plastic Surgery continues to make to make great strides!

Dr. Mary Jean Duncan is the Program Director of our new Plastic Surgery Residency training program at the University of Ottawa. She chairs regular Program Committee meetings, which precede our Divisional meetings. Dr. Daniel Peters modified a corporate human resource interview technique, which we used during our interviews – for residence assessments and selections. On Saturday, January 30th, 2010, we conducted our inaugural CaRMS interviews. Drs Paul Benoit and Mike Bell welcomed all of the student applicants prior to their interviews, while Plastic Surgeons from the Ottawa Hospital as well as from the community met with candidates during their lunch break. As a result of the CaRMS process, we acquired our first resident – Dr. Jennifer Klok. She is a graduate from UBC, and started as a PGY1 on July 1st, 2010.

We reviewed dozens of IMG applicants, before interviewing 3 candidates on February 8th and 9th, 2010. We did not rank any of the IMG candidates. Entering the second iteration of the CaRMS match we acquired our second resident – Dr. Justyn Lufty-Lapierre, a graduate of the McGill program. He joins Jennifer as a PGY1.
On February 9th we also interviewed a number of residents, from other programs and a number of schools, interested in transferring into our Plastic Surgery program. From this, we offered a position to Dr. Ashley Ignatiuk, who was completing his 2nd year in Orthopaedics at Western University. He is joined us July 1st as a PGY3.

Dr. M J Duncan and her husband Mike welcomed the new residents, their partners, and the Division staff to the first Annual Summer Welcome Party – at their cottage on July 4th.

Dr. Murray Allen continues as the Undergraduate Program Director, and has done a splendid job of managing the students in an orderly fashion. With the creation of our program, this has become a busy portfolio. In an effort to keep residents optimally organized at all sites, we have created two Post-Graduate positions: with Dr. Gloria Rockwell handling things at the General Campus, and Dr. Danny Peters functioning as the coordinator at the Civic Campus.

Dr. Nicolas Guay continues as the Plastic Surgery Fellowship Director. He has progressively matured and developed the Microsurgery and Breast Reconstruction Fellowship. It has evolved from national to international in profile. In July, 2009, the Johnson & Johnson Corporation recognized the quality of this program - in offering a $75,000.00 annual award, supporting fellowship bursaries, continuing education and research. Dr. Kirsty Boyd, a graduate from Western was our Fellow from July – December, 2009. She produced two papers based on this experience, which were presented at the 64th Annual Canadian Society meeting in Halifax in June 2010. Dr. Kayvan Shokrollahi, from the UK, was the Fellow from February to August, 2010. He will be followed by Dr. Perry Gdalevitch, who has been offered a 12 month fellowship. She is a Montreal native, with Plastic Surgery training both in Dallas Texas and Montreal.
Drs Yvonne Ying and Danny Peters are the Co-Chairs of the Canadian National Chief Resident Review Course. The inaugural course was hosted at the Lord Elgin in February, 2009. The second course went without a hitch again, at the same site, in February of 2010. Danny and Yvonne have acquired “hands free” corporate sponsorship for this annual event. With these monies, they can provide free travel and accommodations for all attending senior residents, as well as out-of-town staff. The course includes a Royal Collage caliber written exam followed by two sets of mock oral exams (available in both official languages). This is complimented by a broad and comprehensive lecture series. Local staff has been very supportive, with many volunteering to give lectures and/or examinations. Attendance has been superb, and feedback overwhelmingly positive from both residents and their host programs from across the country.

As a Division, we are progressing with our conversion from community to hospital-based staff. Two years ago, no one from our Division was entirely Hospital-base....how times have changed! I moved my office to the General Campus in September, 2008. In January 2009 Dr. Yvonne Ying came on as a GFT at CHEO. One month later Dr. Nicolas Guay became a GFT, based at the Civic Campus. Since my last report, Dr. Hugo St-Amand has acquired an office at the General Campus and Dr. Danny Peters is located at the Civic Campus, and was joined by Dr. Murray Allen in July of this year. In addition, Dr. M J Duncan is now also full time at CHEO, joining Yvonne. From zero to seven GFTs in less than 2 years...only possible with a buy-in from all parties.

Our ultimate goal is to have an integration of our staff at both sites. This is evolving more quickly at the Civic Campus, with the availability of office and clinic space at the old Cancer Clinic. Once the new office building is erected at the General Campus, we hope to follow with a similar merger and integration.

Since our last report, Dr. Michael Bell has retired from the Ottawa Hospital. He satisfies his interest in research and development by maintaining his affiliation with the Canica Corporation. To acknowledge his contributions, our Division is initiating an annual resident award in Mike’s honour.

Dr. Stan Labow is winding down his practice. Starting this fall, he will switch to an office-based practice, while maintaining a linkage with the University. This will allow him to continue with his missionary work in Nicaragua, and a linkage with local Medical students.
  Dr. Paul Benoit is also easing down his practice. He maintains a private office, and has shifted most of his clinical activity to the Riverside Campus – where he is our Divisional site head. Paul has been cutting back his involvement at CHEO, since the arrival of Dr. Ying. Paul continues to offer clinics and elective surgeries for the NDMC. He quenched his thirst for 3rd world surgery with a trip to Tanzania, with CASHA, in February, 2010.
With Dr. Labow retiring this September, and Dr. Benoit planning to fully retire soon, we are making our final human resources plans. Both Drs. Bell and Benoit have had a significant focus on hand surgery. In addition, we need to enhance our role with melanoma care and reconstruction surgery – with a particular focus on breast cancer patients. These multi-dimensional needs should be addressed within the next year, in order to provide the care needed for patients in our region.

**PAEDIATRIC PLASTIC SURGERY**

Dr. MJ Duncan continues her role as the CHEO Chief of Paediatric Plastic Surgery. She is an Associate Professor with the University of Ottawa, and is our diligent Program Director. In preparation for this academic year she attended a comprehensive international conference on residency training (September 2009) and later specialty committees in plastic surgery. She has also been quite involved in the Canadian Residency Review Course, held in Ottawa. Linked with these is her involvement with the Surgical Skills Lab Committee.

Mary Jean, as always, has a particular interest in cleft lip/palate deformities, including the chairing of monthly multidisciplinary meetings. As a loving dog owner, she has particular insights and interests in dog bite injuries; on June 26, 2010 she attended a “Dog Bite Prevention” booth at the CHEO Teddy Bear Picnic.

Additional service/administration responsibilities include CHEO Department Surgery Committee, CHEO OR Committee, Paediatric Surgical Wait Times, and Ambulatory Care Partnership Council.

As the Residency Program is now off and running, M J is in the process of handing over her Kempville satellite Plastic Surgery clinic. This clinic, which is well attended, focuses on out-patient hand and skin cancer cases. Mary Jean continues to participate in the Mentor Program through the University of Ottawa Undergraduate Medical School.

Dr. Yvonne Ying is well into her second year at CHEO, and is maintaining a broad and busy practice. She has a particular interest in upper limb surgery, including two brachial plexus injury cases - with encouraging early results. Yvonne has completed her thesis for Masters of Education. She gave a Grand Rounds at CHEO: “Teaching the Teacher” in September 2009, which offered lively discussion. She also developed and taught the Plastic Surgery model for general surgery residents in Georgetown Guyana later that month. Yvonne subsequently supervised a Guyana resident doing a 3 month Plastic Surgery rotation in Ottawa. In the past year she has attended meetings related to research in Education, Advances in Peripheral Nerve Surgery, and Cleft Lip and Palate & Related Craniofacial Anomalies. Along with Dr. Danny Peters, Yvonne has developed the Canadian Senior resident Prep Course. She is doing a critical analysis of this: “Teaching to Learn or Teaching to Pass”. Dr. Ying has been very involved with the Divisional Program Committee, since its inception.
As a new Assistant Professor, Dr. Danny Peters has already had a significant impact at CHEO. Since his arrival he has worked in tandem with our Neurosurgery colleges performing complex Craniofacial cases, which in years past would have been referred on to Toronto. He reviewed these and other cases at Grand Rounds, both at CHEO and TOH. Recognizing the significant impact this is having, we are hoping this will translate into additional provincial funding for this, a new and exciting service for Eastern Ontario.

Dr. M B Jarmuske continues to offer regular (Friday) outpatient clinics and surgeries.

**ADULT PLASTIC SURGERY**

Dr. Murray Allen has just recently switched to GFT status, based out of the Civic Campus. He is quite busy as the Undergraduate coordinator for our Division, a member of our Divisional Program Committee and the Division’s AFP representative and treasurer. He also chairs our monthly Morbidity & Mortality rounds. Murray continues his collaboration with the ENT service at the General Campus, with complex Onco-Plastic Head and Neck Surgeries. Dr. Allen maintains his ties with the Dermatology program, based out of the Civic Campus. He runs an integrated clinic with Dermatology at the Parkdale clinic. This coincides with the Mohs clinics at the same Campus, offering reconstruction services as needed.

Dr. Paul Benoit has stopped taking call since October, 2009 while maintaining clinics and outpatient ORs based out of the Riverside Campus. Since shifting to the Riverside, he has taken over as Divisional site lead. Paul remains an active member of our Division, engaged in undergraduate and postgraduate teaching. Paul mentored a medical student this past year, resulting in a poster presentation at the last national Society meeting. Dr. Benoit continues to give formal lectures at the undergraduate (including PBL) and postgraduate levels (upper extremity orthopaedic and skills lab). He also has been a lecturer and examiner for the Senior Resident Prep Course these past two years. He has been involved in international surgery the past two years, including Guyana and Tanzania.

Dr. Nicolas Guay is the Division Site lead for the Civic Campus. Since 2006, Nic has been organizing the Breast Cancer and Microsurgery Fellowship, sponsored first by the Mentor Corporation, and now Johnson & Johnson. The Fellowship is now international in scale and reputation. Dr. Guay’s practice has always focused on breast reconstruction. His scholarly approach to this subject has resulted in numerous invitations for lectures at local, national, and international meetings. This past year he presented papers in India, the Atlantic Society meeting in PEI, and the Canadian Society meeting in Halifax. He has had many publications in peer-reviewed journals and books.
Nicolas has pioneered the concept of “Single Stage” breast reconstruction surgery, whereby patients require only one trip to the main OR. Any other addendum procedures are done in the outpatient setting. This is a progressive approach which has caught the attention of most in the field. In tandem with this, he has worked hard to optimizing efficiency in the OR. This has evolved to the point of formal analysis, using a “four-component training scheme”. An indication that his approaches are trend-setting is the development of the “Centre of Excellence in Single Stage Breast Reconstruction” in Ottawa. Canadian Plastic Surgeons have been visiting the Ottawa Hospital for an educational session and a day of live surgery. To date he has had three Surgeons attend, including Drs Ronen Avram (Hamilton), Stephanie Olivier (Winnipeg), and Jason Williams (Halifax). His goal is to host these sessions as often as every two weeks.

Patient education has also been important to Dr. Guay. Early in his practice he founded the “Breast Reconstruction Support Team”. He offers quarterly educational seminars in public settings, during which he will give a presentation on Breast Reconstruction. Also present are breast cancer survivors, who address the audience from a first person perspective. Dr. Guay has morphed this group information session into an internet 2.0 webminar, to be accessible to breast cancer survivors. This was accepted for dissemination by the Canadian Cancer Society in May of this year. It is undergoing a secondary survey, and will hopefully be available in the spring of 2011.

Dr. Guay has numerous service and administrative responsibilities. In addition to Directing the Breast Reconstruction and microsurgery Fellowship, he is a member of the Canadian Society of Plastic surgery Nominating Committee, member of the Wait Time Strategy for Plastic and Reconstructive surgery, member of both the General and Plastic Surgery Resident Training Committees, Civic OR Committee and a member of the RCPSC Principles of Surgery test committee. He is also a reviewer for the Canadian Journal of Surgery.

Nicolas has mentored a number of students who have gone on to enter Plastic surgery Residency training program in different centers. He has maintained his ties with a number of them, resulting in podium presentations and publications. Locally he has been involved with the CaRMs process, as well as the Canadian Senior Plastic Surgery Preparatory Course – both as a lecturer and as an examiner.

Dr. Daniel Peters is a 2002 graduate of the Queens Medical School, and did his Post-Graduate Plastic Surgery training with the UBC program 2003-07. He moved to Toronto in 2008 where he completed two consecutive CranioMaxilloFacial Fellowships, first at Sick Kids then at the Sunnybrook Hospital. During this same period he also acquired his MBA with the Rotman School of Management University of Toronto, Dean’s List of Distinction. During all of this he also co-developed the Canadian National Chief Plastic Surgery resident Review Course – which started in February, 2009.
Danny joined our staff in October of 2009 as an Assistant Professor, with active privileges both at CHEO and the Ottawa Hospital. In June of 2010 he also acquired a cross appointment with the Telfer School of Management University of Ottawa. Dr. Peters has had an immediate impact in many spheres. Just as at CHEO, he has developed ties with our Neurosurgical colleges at the Ottawa Hospital – further widening the field of Craniofacial surgery. He was invited to join the Plastic Surgery Program Committee shortly after his arrival and dove right in. Danny first devised a methodology for reviewing and ranking the CaRMs applicants. He next adapted a corporate human resources interview technique for the residency selection process. Two streams of interviews were developed, and applied to all candidates. Danny has been Dr. Duncan’s “right hand man” helping to develop the Plastic Surgery Curriculum for our new program (based on the UBC model). Dr. Peters was invited to join the Voice Recognition Steering Committee, and more recently became the Post-Graduate Coordinator for the Civic Campus.

Since acquiring an office at the Civic campus this January, Danny immediately began to develop strategies for an integrated “rapid access” clinic. Many of the Divisional members have helped to broaden the scope of this initiative; with minor adjustments to the old Cancer Clinic, including the creation of minor procedure rooms, which can accommodate a mini c-arm, and a centralization of staff to one site. This will allow emergency patients needing Plastic Surgery care to have rapid access to a new treatment facility. With a capacity to shift surgery away from the main OR we will be able to assess the impact on wait times, cost and quality of care. We are also looking at integration with other services, including Vascular Surgery and ID in the management of wound care patients. Danny has been invited to present in both local and national settings, as well as having three publications this past year. He also has acquired a $60,000.00 Grant from Allergan Incorporated - to support the Canadian Plastic Surgery Chief Resident Review Course.

Dr. Gloria Rockwell has been on staff at the Ottawa Hospital for 6 years now. During the first 3 years, she coupled a full clinical practice with Masters of Science program – based in Hamilton. She now has a Masters of Science degree in Health Research and Methodology from McMaster University. Gloria is an Assistant Professor with a teacher-research tract. She has supervised a series of medical students through research projects (often via university and personal-supported “summer studentships”). Upon the start of our Plastic Surgery Training Program, Gloria has taken on the new task of Research Coordinator. Each resident in our program will produce at least one paper/year. These will be presented at our Journal Club in March, and considered for Collins Day the following month. Gloria has functioned as a judge for Collins Day in the past, and looks forward to continue offering her expertise in this venue.

Dr Rockwell’s practice is heavily focused on breast surgery, with around 50% dedicated to reconstruction. She is involved at all campuses, including surgeries at the General and Civic, with outpatient clinics at both the General and
Riverside. While Gloria is currently a VPT, she looks forward to becoming a GFT once office space becomes available at the General Campus.

Gloria has a number of other administrative and service responsibilities. At a Divisional level, she is an active member with our Program committee, is the General site Post-Grad Coordinator and is an AFP trustee. She is also a CPSP Committee member (Surgical Cosmetic Procedures Working Group), and will be the next President of the National Capital Society of Plastic Surgeons. It is in this latter capacity that she will be reintroducing monthly Journal Clubs, with an active involvement of our residents. Dr. Rockwell has published a variety of papers this past year, and has acquired another Grant through the Faculty of Medicine for $4,000.00.

Dr. Hugo St-Amand is a graduate of the Laval/Montreal Plastic Surgery program. Following a Hand/Wrist Fellowship at Syracuse he also joined us in October of 2010. Hugo has been developing links with our Orthopaedic colleges over the past year. Together we have developed a comprehensive “Upper Limb” lecture series held every Monday afternoon at the General Campus. This will broaden the curriculum for both the Plastic and Orthopaedic training programs. Hugo is based at the General Campus. He is an Assistant Professor, with a Teacher – Clinician career path. He participates in our weekly “Hand Clinic” at the General Campus, working in tandem with our nursing and therapy colleges.

Dr. St-Amand enjoys teaching at all levels. He has been an examiner for the National Senior Resident Preparatory Course these past two years, and mentored a Chinese surgeon this past summer, who had an interest in hand surgery. Hugo has been invited to present at a number of meetings this past year, with a focus on hand and wrist surgery.

Dr. Mario Jarmuske is in his third year as Division Chief. As Division Head he chairs the monthly business meetings, as well as Divisional finance meetings. A major focus has been on recruitment over the past two years, aiming to create a strong integrated and comprehensive service. Tied in with this has been the goal of becoming a hospital-based Division, which is coming to fruition. Being based in the hospital creates greater visibility and accessibility. Working in an academic health center, we strove to create Ottawa’s first Plastic Surgery training program - again, mission accomplished. All ready cross-linkages with other services are broadening via the teaching program. We now have integrated upper limb rounds with orthopaedics. We anticipate having combined rounds with Neurosurgery, General Surgery, ENT, Dermatology and others in the foreseeable future.

Mario has been very engaged with the new teaching program, as an active member of the Program Committee, including CaRMs application reviews, interviews and selection processes. He enjoyed welcoming the new residents at the summer weekend event, and is an active participant with the educational lectures and teaching sessions. In addition he has attended the Senior Resident Preparatory courses these first two years. He is also the University Supervisor
for the Breast Reconstruction Fellowship. As Division Head Mario is involved with OR, Perioperative, Surgical Executive and Departmental Finance Committee meetings. Mario has always had an interest in post-bariatric surgery. Now that we have a formal Bariatric Program in Ottawa, there should be an enhancement in interdivisional ties. He also continues his role as an examiner for the MCCQE part II exams.

Dr. Lloyd Van Wyck is a senior Divisional member, based at the Civic Campus. This year he will be shifting most of his surgical activity to the Riverside Campus, maintaining his outpatient clinic at the Civic. With a strong interest in Aesthetic surgery, Lloyd will have a central in this part of the curriculum - which is a core component of all Plastic Surgery training programs.

Publications

Journal Articles


Abstracts

1. BOYD K, GUAY N, An approach to breast microsurgery using an established four-component training scheme that dramatically improves efficiency 64th Annual meeting, Podium presentation, Canadian Society of Plastic Surgery, Halifax Canada June 2010.

2. BOYD K, GUAY N, Creation of an "Internal Brassiere": The use of non-resorbable dermal suspension sutures to achieve consistent, reproductible, aesthetically-pleasing breast mounds 64th Annual meeting, Podium presentation, Canadian Society of Plastic Surgery, Halifax, June 2010.


DIVISION OF
THORACIC SURGERY
DIVISION OF THORACIC SURGERY

General Overview

Dr. Sudhir Sundaresan
Professor and Chair

Faculty Members

Dr. Farid Shamji
Director of Undergraduate Surgical Education
Director Esophageal Function Laboratory
Site Chair of Surgery, General Campus

Dr. Donna Maziak
Program Director for Thoracic Surgery Residency

Dr. Andrew Seely
Director, Thoracic Surgical Research

Dr. Sebastien Gilbert
Director, Section of Foregut Surgery

Residents and Fellows

Dr. Ahmed Al-Hussaini
Dr. P. James Villeneuve, MD PhD

Summary of Highlights and Awards

The academic year 2009-2010 was busy and productive for the thoracic surgery division, with all the faculty members involved in high-quality patient care, didactic and clinical teaching, and research. The underlying clinical focus of the division continues to be in thoracic oncology, and the cancer assessment clinic has matured into a superb unit for rapid intake and multidisciplinary assessment and care for patients presenting with thoracic malignancies. The division also continues to operate a busy esophageal function laboratory, for assessing swallowing disorders in patients of our region with benign esophageal disease.

2009-10 was marked by the successful recruitment of Dr. Sebastien Gilbert to the division of thoracic surgery. Dr. Gilbert conducted his residency in cardiothoracic surgery at University of Pittsburgh from 2001-2003, and then received advanced fellowship training there in minimally invasive thoracic surgery and lung transplantation. He was recruited to Ottawa from Pittsburgh, where he served on the Faculty of University of Pittsburgh for 5 years after completion of his training there. He has been clinically and academically
productive in thoracic oncology, Endobronchial ultrasound, and minimally invasive pulmonary and esophageal surgery, and also conducted extensive research in surgery for airway diseases. Dr. Gilbert's focus will be to establish and direct the area of Foregut Surgery. His considerable expertise will facilitate the organization of a multifaceted program to deal with benign and malignant diseases of the esophagus and airways, to allow for expanded utilization of Endobronchial ultrasound and endoscopic ultrasound, other endoscopic therapies in foregut disease, as well as the conduct of minimally invasive esophagectomy.

In November 2009, the nursing staff of the thoracic surgery unit [6NW at the General Campus] enjoyed tremendous success as they held the inaugural meeting of the Thoracic Nurses Association of Canada, at the Hampton Inn in Ottawa. This three-day conference attracted delegates from coast to coast, and featured presentations by nurses and several members of the allied healthcare disciplines, as well as from the thoracic faculty. This highly successful meeting stimulated sufficient interest amongst TNAC members that the second annual meeting is already scheduled to take place in British Columbia this fall.

The New Year was celebrated by an event hosted by TOH on January 5, to celebrate the formal opening of the Ottawa Hospital Chest Diseases Center. The Chest Diseases Centre is the first of its kind in Canada. This event was attended by several dignitaries including the Hon. Herb Gray and Dr. Griff Pearson (Member of the Order of Canada and Professor Emeritus of Thoracic Surgery at University of Toronto) and attracted considerable media attention from local newspapers and television stations in Ottawa and Western Québec. The Chest Diseases Center emphasizes the importance and value of a clinical service line, as it incorporates the thoracic surgery and Respirology inpatient and outpatient services in one physical unit. Patients receive world-class care in an integrated manner, involving input from physicians of these two specialties, as well as specialized nursing, physical therapy, respiratory therapy, nutritionist support, social work and expertise from all the members of the allied healthcare team.
Bringing all of these experts together in one central location will help to deliver excellent care to patients and encourage knowledge sharing and collaboration among team members. It will enhance clinical teaching at both the undergraduate and graduate levels by allowing students to access many different kinds of experts in one place. Clinical research opportunities will increase with the enhanced collaboration among team members.

The past year has also been significant in terms of the growth of the research enterprise of Dr. Andrew Seely, director of research for the thoracic surgery division. Under his leadership, several grants have been funded to support ongoing research activities [summarized separately]. The division is actively involved in a number of clinical trials, and a team of superb individuals have been recruited to run and support these activities. Dr Seely also serves as the Director of Research for the Canadian Association of Thoracic Surgeons (CATS).

**Publications**


Book Chapter


DIVISION OF UROLOGY

General Overview

Dr. Ronald Gerridzen,  
Professor and Chair, Division of Urology

Faculty Members

Civic Campus

Dr. Anthony J. Bella  
Dr. Ilias Cagiannos  
Dr. John P. Collins  
Dr. Filemon DeJesus  
Dr. Ronald G. Gerridzen (Division Chair)  
Dr. Matthew Roberts  
Dr. Christopher G. L. Morash  
Dr. M. Eric Saltel

General Campus

Dr. Brian D. M. Blew  
Dr. John E. Mahoney  
Dr. J. Stuart Oake (Site chief and Program Director)  
Dr. Jeffrey Warren  
Dr. James Watterson (Undergrad Director)

CHEO

Dr. Luis A. Guerra  
Dr. Michael P. Leonard  
Dr. Ihsan Yousef (Fellow, Paediatric Urology)

FELLOWS

Dr. Fadi Kamal - Clinical Fellow  
Dr. Antonio Baltazar – Paediatric Fellow – CHEO  
Dr. Rany Shamloul – Clinical Fellow
Summary and Highlights

Retirement of Dr. John P. Collins

Dr. John Collins retired from the Division of Urology at TOH June 30, 2010. Dr. Collins has been at The Ottawa Civic Hospital and subsequently The Ottawa Hospital for 35 years and has had a fulfilling and enviable academic career. To summarize briefly, he has served in numerous administrative positions including as Urology Program Director, Executive Secretary of the Royal College of Physicians and Surgeons of Canada Test Committee and Examination Board in Urology, Secretary of the Canadian Urological Association and as President of both the Canadian Andrology Society and the Canadian Urological Association. He served as Chair of the Division of Urology at the University of Ottawa and Chief of Urology from 1991 – 2004. For the past six years he chaired the Department of Surgery Finance Committee. He guided our Division effortlessly through regional hospital restructuring and oversaw reorganization of the Division with amalgamation of the Grace and Riverside Hospitals into The Ottawa Hospital. He took on all these tasks with dignity, humility and leadership by example.

Dr. Collins was triply honoured at the 2010 Collins Day banquet (named after his father, the late Dr. W. E. Collins) by receiving the Resident Teacher of the Year Award, having the award for the best basic science paper at Collins Day named the “John P. Collins Award”, and lastly received a Department of Surgery Life Achievement Award from Dr. Éric Poulin. Dr. Collins has been a friend and mentor to countless urology residents & urologists and his presence, leadership and great skill in story-telling will be missed. The Division hosted a retirement party for John on June 11 at The Delta Hotel. Many retired urologists came as well. The Division wishes John & Judy Collins the very best for a happy and healthy retirement.
Other Honours & Awards

Dr. Anthony Bella was one of three members of the international Cell-Based Therapy Clinical Design Group along with Drs. Van Cleynenbreugal (Brussels) and Francesco Montorsi (Italy). He was elected Secretary of the Canadian Male Sexual Health Council Executive Council, and also a founding and executive member of the national men’s health advocacy and educational group, The Canadian Men’s Health Initiative, chaired by Dr. Larry Goldenberg from UBC.

Dr. Brian Blew won 3 Gold Medals in the 2009 National Masters Alpine Championship at Sun Peaks, BC. The 2014 Olympics are next!

Dr. Ron Gerridzen was named the 2009 Recipient of the Faculty of Medicine’s Alumni Achievement Award, presented jointly by Dean Jacques Bradwejn and retired urologist Dr. Carl Leahy at the Dean’s Annual Banquet at the Chateau Laurier during The University of Ottawa’s Homecoming weekend in September 2009.

Dr. John Mahoney was elected President of the Medical Staff at TOH. The Division wishes John the best in his new position, which keeps him on TOH’s Board of Governors.

Dr. Chris Morash was awarded the John P. Collins Award as Divisional Teacher of the Year in June, 2010. This award is given annually by all residents in the Urology Training Program in recognition of one staff member’s exceptional teaching abilities. Congratulations to Chris for this well-deserved achievement. Dr. Morash was elected Member-at-large of the Executive of the Canadian Urological Association in June 2010.

Dr. Stuart Oake received the 2009 Award for Excellence and Innovation in Postgraduate Medical Education from the Faculty of Medicine’s Office of Postgraduate Medical Education. Dr. Oake was appointed Director of the new Office of Education for the Department of Surgery. The Division wishes Stuart well in this leadership role, and congratulates him on his promotion to Associate Professor in the Department of Surgery.

Dr. Jeffrey Warren was selected co-Chair of the QUEST national senior resident Urology Review Course and Examination held at Queen’s University. Dr. Warren will co-Chair this annual event with existing co-Chair, Dr. Jim Watterson.

Dr. James Watterson was runner-up for the national Undergraduate Surgical Teacher of the Year Award at the Canadian Undergraduate Surgical Education Committee’s (CUSEC) national meeting held in Ottawa, November 2009. Dr. Watterson will succeed Dr. Stuart Oake as Urology Program Director July 2010. The Division congratulates Jim on his promotion to Associate Professor in the Department of Surgery.
All three residents taking their Royal College exams in June 2010 were successful. Dr. Fadi Kamal will stay with us in Ottawa as a Fellow in Urologic Oncology. Dr. Aaron Clark will start community practice in Courtney-Comox, BC, and Dr. Duane Hickling is off to New York for a prestigious three-year Fellowship at NYU Medical Centre in complex female pelvic reconstructive urology. He will simultaneously do basic science research and is enrolled in NYU’s Masters of Science in Clinical Investigation program. It is planned to recruit Duane back to TOH in summer 2013.

At Collins Day in May, Dr. Neal Rowe (PGY3) was recipient of a Department of Surgery Resident Teacher of the Year Award, and Dr. Luke Lavallee (PGY2) was awarded the prize for the best poster presentation.

Dr. Mark Preston (PGY4) was accepted into a three week IVU-Med (International Volunteers in Urology) travelling urology program, which is administered in Salt Lake City. Mark travelled to Vietnam with surgical mentors from the United States to provide surgical services in underprivileged areas of that country. This is the first time Ottawa has been involved in an IVU-Med program.

**Paediatric Urology**

Dr. Luis Guerra became Chief of the Division of Paediatric Urology at CHEO in January 2010. Luis replaces Dr. Michael Leonard who has held that position for many years (see below). In June 2010, he founded and initiated a “Canadian Working Group for Urologists in Clinical Epidemiology”. This is an independent national endeavour in collaboration with the Dept. of Epidemiology and Community Medicine at the University of Ottawa and the Office of Education of the Canadian Urological Association (CUA).

Dr. Michael Leonard left his positions as Chief of Paediatric Urology and Chief-of-Staff at CHEO March 12, 2010, to pursue a full time position as a Medical Officer at CMPA. Mike will still do one clinic weekly and one OR day per month and will remain involved in the postgraduate teaching program. The Division will miss Mike’s full-time presence at CHEO and thanks him for his many years of clinical excellence, teaching, research and administrative leadership. We wish him well in his new career at CMPA.

Dr. Luis Guerra was a member of the Scientific Committee for the annual meeting of the Canadian Urological Association in Charlottetown, PEI, in June 2010. Luis received an award for “Best paediatric urology reviewer of 2009” from the Journal of Urology which is the official Journal of the American Urological Association. This award was presented during a ceremony at the 2010 AUA meeting in San Francisco. Only two Canadians were on the short list of awarded Paediatric Urologists.
**Visiting Professors**

Dr Bryce Weber, Paediatric Urology Fellow at The Hospital for Sick Children in Toronto, was an invited speaker for CHEO Dept of Surgery Grand Rounds on March 31st, 2010. His talk was on his work for Master thesis in Education at the Wilson Institute in Toronto. It is anticipated that Dr. Weber will join the Division of Paediatric Urology at CHEO in 2011.

Dr. Patrick Luke, Chief of the Multi-organ Transplant service at the University of Western Ontario and the 2010 recipient of the American Urological Association’s Gold Cystoscope Award (the most prestigious international award for a urologist who has distinguished himself in the first 13 years of his/her career) was our Visiting Professor for the Division’s annual Resident Research Day April 14, 2010. Dr. Luke gave an inspirational address on the future of transplantation.

Dr. Eric Klein, Head of the Urologic Oncology service at The Cleveland Clinic Foundation, was set to come to Ottawa October 4 2009, but unfortunately had to cancel his trip at the last minute due to a family emergency.

**Undergraduate Education**

Dr. Jim Watterson steps down as Director of Undergraduate Education for the Division June 2010, after a very successful six year term in which Jim was instrumental in re-vamping the curriculum, involved in web-casting, distributed medical education, and attracted record numbers of elective students from across Canada allowing the program to see numerous great candidates for each annual CaRMS match.

Dr. Brian Blew has been selected to replace Dr. Watterson in this position effective July 2010. The Division thanks Jim for his leadership and success in that position.

**Postgraduate Education**

The Urology program was reviewed by the Royal College and on June 25, 2010 the Program Director was informed of full approval with regular external review in 2016. The approval was given “with accolades”. This speaks to the commitment and dedication of Program Director Dr. Stuart Oake, who stepped-down as program director June 30, 2010, to be replaced by Dr. Jim Watterson. Jim takes over on solid footing and has been functioning the past 6 months as “program director-elect”, learning the position from Dr. Oake. The Division has a fully functional Office of Education with an administrative assistant, Beth Balharrie. This position has been funded by the Division members through the Urology Practice Plan attesting to the commitment of Division members to have such an office, which has proved invaluable to both undergraduate & postgraduate urology teaching. The Department of Surgery has recently developed an Office of Education this year, with Beth being an integral part of the infrastructure and Dr. Oake taking on the role of Director of the
Departmental Office of Education. The Division thanks Dr. Oake for his excellent leadership and outstanding success during his tenure as Program Director.

**Resident Research**

Dr. Ilias Cagiannos continues as Director of Resident Research with energy and enthusiasm. This has dramatically increased the research output from residents and has led to a record number of national and international presentations at various scholarly meetings the past year including the Canadian Urological Association, American Urological Association (AUA), Northeastern Section of the AUA, World Congress of Endourology, American Academy of Paediatrics, Sexual Medicine Society of North America, and the International/European Society of Sexual Medicine. All staff is to be congratulated for their involvement and collaboration and with Ilias’ infectious leadership, Dr. Bella’s position as basic science research director plus the addition of two new staff in summer 2010 with Master’s degrees, the research future for the Division of Urology is flourishing.

**Renal Transplantation**

The Division welcomed Dr. Jeff Warren on staff at the General Campus August 2009 following a two-year Transplantation Fellowship at the University of Western Ontario under the leadership of Dr. Patrick Luke. Renal transplantation has been recognized as a surgical program of excellence at TOH and Dr. John Mahoney was selected by search committee as its first surgical Director. The surgical aspects of the transplantation program have been integrated entirely into the Division of Urology, with three surgeons from Urology providing surgical transplant services including Drs. Brian Blew, John Mahoney & Jeff Warren. These surgeons were involved in the first domino-transplant which received first place recognition from TOH for innovation, and they are also pursuing donors from cardiac death (rather than the usual brain death) as a new and novel way to increase the cadaveric organ donor pool.

**Urologic Oncology**

Dr. Chris Morash continues leading Communities of Practice in prostate cancer which have proved invaluable in mentoring health professionals in the Champlain LHIN in the management of localized prostate cancer and have been modelled at other cancer centres in Ontario. Chris has garnered praise for this work from Cancer Care Ontario. Divisional wait times for prostate cancer surgery are now within provincial targets as well. Chris is also Medical Director of the Prostate Cancer Assessment Centre and site-Lead for GU Oncology.

Dr. Ilias Cagiannos is director of the urologic oncology Fellowship program and currently Dr. Fadi Kamal is the Fellow with Drs. Cagiannos & Morash for two years.
Dr. Rodney Breau will be joining the Division in August 2010 after a two-year Fellowship in Urologic Oncology at The Mayo Clinic. Rod will bring specialization in minimally-invasive / robotic surgery and a Masters Degree in Clinical Investigation and will be an Associate Scientist at OHRI with protected time supported by the Division for outcomes research.

**Research Chair and Robots**

It is with pride I report that the campaign toward an endowed Chair in Men’s Health Research was realized January 7, 2010, with 1.5 Million dollars raised. It is hoped that with additional funds the Chair will eventually be named in tribute to a major donor. The purpose of the Chair is to support world-class international research into Men’s health issues. The Division wishes to thank Ron and Gayle Zambonini for being honorary co-chairs of this successful campaign, Susan Doyle and The Ottawa Hospital Foundation and her staff (especially Jennifer Van Noort) for their expertise and hard work in realizing this goal. The Division also thanks Dr. Éric Poulin for his support and encouragement. This is only the fourth endowed Research Chair in Men’s Health internationally and the first in Canada and we are distinctly proud to have the first national Chair held in Ottawa.

The drive to raise funds for a Da Vinci Robot, the primary use of which is robotic-assisted laparoscopic radical prostatectomy, is strongly underway with the great help of The Ottawa Hospital Foundation. Members of the Division of Urology are actively engaged in fund-raising in many ways, including individual patient recruitment, demonstration sessions, speaking engagements & attendance at fund-raisers. It is hoped to have robotic surgery available in Ottawa in 2011.

**Publications**

**Journal Articles**


42. M. ERIC SALTEL, RONALD G GERRIDZEN, AND ANTHONY J BELLA. Impact of Advance Male Sling on Post-Radical Prostatectomy Climacturia: Robust Prospective Cohort Results at One-Year Follow-up Canadian Journal of Urology, June 2010, Volume 4(3 suppl 1), POD-02.04.


Journal Article - Editorial


Book Chapters


Peer-reviewed commentary


Published Abstracts


14. MARK A PRE斯顿; JAMES D WATTERSON; BRIAN DM BLEW Simple nephrectomy in a young woman for recurrent pyelonephritis utilizing Laparoendoscopic Single-Site Surgery (LESS) CUAJ.


17. ANDREA LANTZ, MARK E SALTEL, ILIAS CAGIANNOS. Renal and functional outcomes following cystectomy and neobladder reconstruction. CUAJ 2010.


25. PRESTON M, KAMAL F, DOUCETTE S, MORASH C, CAGIANNOS I. Evolving tumour characteristics and practice patterns in a contemporary Canadian tertiary-care institution. CUAJ June 2010 4(3Suppl1), S68.


Abstracts


DIVISION OF VASCULAR SURGERY
DIVISION OF VASCULAR SURGERY

General Overview

Dr. Andrew B Hill
Associate Professor and Chair

Faculty Members

Dr. George Hajjar, Practice Plan Manager
Dr. Tim Brandys, Program Director, & Director of the Surgical Skills Lab & CORE Surgical Program
Dr. Sudhir Nagpal, Director Vascular Diagnostic Laboratory
Dr. Prasad Jetty, Completed Master’s in Epidemiology and Biostatistics UofO

Current Vascular Fellows

Dr. Dalibor Kubelik
Dr. Srinidhi Javaram
Dr. Khalid Alomar

Summary of Highlights

The Division of Vascular and Endovascular Surgery at the Ottawa Hospital continues as one of the leading centers in Canada for the provision of endovascular therapies both for aneurismal and occlusive arterial disease. We have also introduced minimally invasive endovascular therapies for venous disease this year.

The implementation of fenestrated and branched endovascular stent grafts at the Ottawa Hospital this year has been a big step in the development of our endovascular program for the management of complex aortic pathology (thoracoabdominal aortic aneurysms, aortic dissection and perirenal abdominal aortic aneurysms). This has positioned the Ottawa hospital in the forefront of the provision of endovascular therapies for aortic pathology.

As part of the development of endovascular therapies at the Ottawa Hospital, the Division of Vascular and Endovascular Surgery is leading the development of four new operating suites at the Civic Campus of the Ottawa Hospital (initial plan for two endovascular suites and 2 minimally invasive operating theatres). The planning is actively underway.

February 7th to 9th Dr. Andrew Hill Co-directed an International Vascular CME Meeting at Mont Tremblant entitled “Peripheral and Aortic Endovascular Therapy Course for Canadian Vascular Surgeons.” The objective of the course was to expose vascular surgeons already in practice across Canada to the basic and advanced endovascular techniques for treating peripheral and aortic pathologies, as well as the necessary resources and inventory required to start an endovascular program at the surgeons’ centers.
Publications


Lay Article

1. Jetty P Alison Palkhivala Lay Press Article Reinterventions, Resource Utilization Dwindling for Endovascular AAA Repair Transcatheter technology
DEPARTMENT OF
PAEDIATRIC SURGERY

CHILDREN'S HOSPITAL OF
EASTERN ONTARIO
The Department of Paediatric Surgery
Children’s Hospital of Eastern Ontario

Dr. Baxter Willis
Head, Department of Surgery
Children’s Hospital of Eastern Ontario

Faculty Members

Division Cardiovascular Surgery           Dr. Gyanni Maharajh, Chief
                                          Dr. Simon Saito

Division of Dentistry                    Dr. Carol Janik, Chief

Division of General Surgery              Dr. Juan Bass, Chief
                                          Dr. Shirley Chou
                                          Dr. Marcos Bettolli

Division of Gynecology                   Dr. Natalie Fleming, Chief

Division of Neurosurgery                 Dr. Enrique Ventureyra, Chief
                                          Dr. Michael Vassilyadi
                                          Dr. Munyao Nzau

Division of Otolaryngology               Dr. Johnna MacCormick, Chief
                                          Dr. Jean Philippe Vaccani
                                          Dr. Matthew Bromwich

Division of Orthopaedics                 Dr. James Jarvis, Chief
                                          Dr. Baxter Willis
                                          Dr. Lou Lawton
                                          Dr. Ken Kontio
                                          Dr. Paul Moroz

Division of Plastic Surgery              Dr. Mary Jean Duncan, Chief
                                          Dr. Yvonne Ying

Division of Urology                      Dr. Luis Guerra, Chief
                                          Dr. M. Leonard
General Overview

Faculty / Staff & Fellow

We continue to attract excellent Fellows in the various Divisions of the Department of Surgery at CHEO. The Fellows train at CHEO to obtain increased expertise in their paediatric surgical specialty. They also participate in the teaching of residents and medical students and as well, are important members of the care giving team for children seeking surgical care at CHEO. We have been fortunate to attract excellent Fellows over the past year and we are grateful for their assistance in clinics and the operating room.

The Division of Paediatric General Surgery has seen the departure of Drs. Steven Rubin and Dr. Brian Sweeney. Dr. Rubin has retired after 17 years of dedicated service to the children of Eastern Ontario. We are grateful for his many contributions over the years to both the Division of Paediatric General Surgery and the Department of Surgery.

Dr. Brian Sweeney after 5 years at CHEO has decided to return to his home in Ireland. Dr. Sweeney contributed immensely during his five years at CHEO to the both clinical and academic programs of the Children’s Hospital. We wish Dr. Sweeney all the best in his future endeavors.

It was with regret that we saw the resignation of Dr. Michael Leonard as Chief of the Division of Paediatric Urology after 10 years of service. He was an outstanding leader with a fair and objective overall vision of CHEO and the Department of Surgery. Dr. Leonard decided to change his career path and has moved into a full-time position with the Canadian Medical Protective Association. We are grateful for his many contributions to CHEO and the children of Eastern Ontario.

Research and Education

The Department of Surgery continues to be active in research activities and these have been highlighted in the individual divisional reports. We have a designated research fund with the Surgery Associates which enables access to funds to pursue research initiatives within the Department of Surgery. Many Divisions continue to pursue research activities in their areas of expertise. There have also been numerous presentations at national and international meetings along with the many peer-reviewed publications.
Surgical Grand Rounds

Surgical Grand Rounds are held each Wednesday from 8:00 – 9:00 a.m. and are an integral part of the teaching program of the Department of Paediatric Surgery. Each Division is responsible for two rounds per year and the rounds are also used for morbidity rounds as well as, to obtain further information on subjects given by Visiting Professors. All Paediatric Surgeons, residents, fellows and students in the Paediatric Surgical Program attend these rounds and critiques are filled out at the end of each round.

The following is a list of the rounds held over the preceding year. These rounds are multi-disciplined and each Division will have their own focused rounds in their particular specialty on a weekly basis.

New Initiatives

Perioperative Services Review

We have engaged in an important collaboration with G.E. Healthcare to perform a Perioperative Lean Review. This executive sponsored project is essential to address Perioperative “Patient Flow” and is one of four strategic corporate priorities for 2010/2011. During this process we will identify and prioritize opportunities for improvements to our present processes.

Our end goal will be to redesign Perioperative Services to increase efficiency and reliability of the patient/family centered care we strive to deliver.

The support of the Division Heads of the Department of Surgery, as well as, the entire membership of the Department is deeply appreciated. The entire Department has the utmost admiration for the tremendous contributions of our OR staff, Day Surgery Nursing staff and Administrative Assistants.

We are also grateful for the continued support of our Administration and we look forward to continued growth and development in the future. If we continue to work together in the future, as we have in the past, we will continue to provide exemplary care to our patients in spite of our financial adversity.