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Dr. R. K. Reznick

Associate Chair and Vice-Chairs
Dr. B.R. Taylor
Dr. J.A. Bohnen - Vice-Chair, Education
Dr. R. Richards - Vice Chair, Clinical
Dr. O. D. Rotstein - Vice-Chair, Research

Surgeons-in-Chief
Dr. J. Wedge – The Hospital for Sick Children
Dr. Z. Cohen – Mount Sinai Hospital
Dr. L. Smith – St. Joseph’s Health Centre
Dr. J.L. Mahoney – St. Michael’s Hospital
Dr. R. Richards – Sunnybrook & Women’s College Health Sciences Centre
Dr. L. Tate – Toronto East General Hospital
Dr. B.R. Taylor - James Wallace McCutcheon Professor and Chair – University Health Network

University Division Chairs
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Dr. L. Wilson-Pauwels – Biomedical Communications
Dr. R. Weisel – Cardiac Surgery
Dr. Z. Cohen – General Surgery
Dr. J. Rutka – Leslie Dan Professor and Chair of Neurosurgery
Dr. J. Waddell – A.J. Latner Professor and Chair of Orthopaedic Surgery
Dr. P. Neligan – Wharton Chair in Reconstructive Plastic Surgery
Dr. S. Keshavjee – Thoracic Surgery
Dr. S. Herschorn – Urology
Dr. T. Lindsay – Vascular Surgery

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**Table of Contents**

Report from the Chair .................. 4
Strategic Plan .......................... 6
Undergraduate Education .......... 8
Postgraduate Education .......... 9
Research ............................ 11
Division of Cardiac Surgery ...... 12
Division of General Surgery ...... 14
Division of Neurosurgery ......... 16
Division of Orthopaedic Surgery ............................................................... 18
Division of Plastic Surgery .... 20
Division of Thoracic Surgery .... 21
Division of Urology ................. 22
Division of Vascular Surgery ...... 26
Division of Anatomy ............... 28
Division of Biomedical Communications ................................................................ 29
Surgical Alumni Association ....... 30
Surgical Oncology .................... 31
Continuing Professional Development ............................................................. 32

*The Hospital for Sick Children* 35
  Division of Cardiac Surgery
  Division of General Surgery
  Division of Neurosurgery
  Division of Orthopaedic Surgery ............................................................... 45
  Division of Plastic Surgery
  Division of Urology

*Mount Sinai Hospital* 56
  Division of General Surgery
  Division of Orthopaedic Surgery ............................................................... 64
  Division of Plastic Surgery
  Division of Urology

*St. Joseph's Health Centre* 70
It is hard to believe that as of October 2004, I will have served for two years as Chair of this Department. It has been an enriching experience, filled with challenges, surprises, worries and pride. My preference for making the complex decisions that need to be made in the Department is one of consensus building. In this regard, I continue to benefit from the wise council of our Department’s senior executive. I am particularly grateful to them for their advice and support.

One of the essential features of any organization is to chart its course to develop its strategy. This year, we completed an eight-month process of strategic planning. We were fortunate to have Michael Jewett as Chair of our Strategic Planning committee. The document, entitled, Breaking Through the Boundaries: 2004 - 2009 Strategic Plan can be found at http://www.surg.med.utoronto.ca/strategic_plan.html.

Our goals are bold and include: the development of a stable alternate funding plan for all surgeons; the exploitation of advances in technology in surgery; restructuring of residency education; a near doubling of our research funding; establishing the norm of interdisciplinarity in our teaching and research; developing a joint planning process for surgery in our academic health science centers and markedly enhancing our fund-raising efforts.

This past year, we lost three dear and respected colleagues. A mention of their passing does not do justice to the magnitude of their contributions. Suffice it to say, we will all miss and remember with respect and fondness, Carlton Smith, Robert Wilkinson and Mercer Rang.

It is customary to partition our departmental thinking into three classical activities, clinical care, teaching and research. However, I would like to begin this annual report by breaking from tradition and start by talking about politics. There are many issues on the front burner today and it is critical, that as surgeons, we take an active part in that dialogue. The current governmental funding to hospitals is sub-optimal. We need to rebut the concept that there are great gains to be had by improving efficiencies in the hospital sector. All of us on the front lines know that the fat has been trimmed a long time ago. We have already taken a few bites out of valuable muscle and we are perilously close to infringing upon structural bone. It will be important for us to be vocal supporters of our hospitals and for the need to keep hospital funding at the forefront of our health care agenda.

The goal of achieving an alternate funding plan for surgeons is our main financial priority. While we have had some successes in a few disciplines, we are still in need of a comprehensive plan. I am deeply convinced that we must all pull together in this effort. There may well be strength in numbers. So much of our activities, both clinical and academic, are non-remunerated or under-remunerated. For a large and exciting department of surgery such as ours to continue to thrive, we will need a funding structure that rewards and acknowledges all of the important things that we do.

One of the structural changes being proposed for Ontario is the creation of Local Health Integration Networks or LHIN’s. The themes being proposed include: 1) a reduction in wait times for important procedures. 2) improved access to family physicians and other members of the primary health care team. 3) enhanced long-term care and home care. 4) accessible community-based mental health. 5) a revitalized public health system. 6) a comprehensive child vaccination program. 7) reduced rates of tobacco use and childhood obesity. 8) a health care system that lives within Ontario’s means.

While we certainly cannot argue with the themes being proposed with this restructuring, it does not take much reading between the lines to realize that
surgery cannot cure many of these stated societal priorities. As academic surgeons, we need to ensure that LHIN’s incorporate into their mandate the concept of training the next generation of practitioners, the need for quaternary care surgery and the importance of discovery of new knowledge. It will be our special job as university surgeons to be as vocal as possible, about the need to preserve our academic mission.

We have recently entered into real dialogue promoting the notion of academic centers of excellence. We have started with arguably one of our toughest problems, vascular surgery. This past year we have been successful in encouraging the government to commission a report; that report has now been tabled and an implementation group is planning the details. Ostensibly, the plan is to focus vascular activity on two sites in our academic health science centers and develop in these sites, a critical mass of surgeons supported by adequate infrastructure.

Our research mission continues to flourish. Under Ori Rotstein’s leadership, we continue to make great gains in the quality and quantity of the enterprise. Departmental funding for research continues to grow in excess of $30 million, in external grants and contracts. The number of endowed research chairs keeps climbing, and we now have occupied, or soon to be occupied, 31 endowed chairs.

Our surgical-scientist program continues to flourish. What is extremely gratifying is that each year, this program takes on a new dimension. For example, this past year, one of our residents Alex Mihailovic, has currently been doing a PhD in International Health, in conjunction with the London School of Hygiene. She has just received a $500,000 grant to study landmine injuries in northern Uganda.

We continue to make fund-raising a priority for the Department. Approximately 14 months ago, we hired Rebecca Davies, a professional advancement officer. I am thrilled to report that this investment is already paying off. In this past year, we have instantiated the Langer Chair in General Surgery; are 80% complete on accrual of funds for the Barkin Chair in Urological Research; have established the Tile Chair in Orthopaedics; have secured a permanent endowment in plastic surgery; have successfully matched a $350,000 donation from Draxis to establish $700,000 of endowed support for the surgical-scientist program and have established the Carlton Smith endowment in Anatomy.

This year, the Provost has called for applications to a newly created $30 million dollar initiative, known as the Academic Initiative Fund. The Faculty of Medicine received innumerable requests to put forward and three of our Department’s initiatives, have been prioritized to proceed to the provostial level with an extremely large chance of success. One of these, the surgical skills laboratory initiative, is an important part of our present and a vital scaffold for our future. We have now secured an additional 3000 square feet of space, from Mount Sinai Hospital and will be able to fund the expansion through a combination of AIF funds and matching from industry.

Under John Bohnen’s leadership, we have continued to flourish in the education arena. When we are all sitting on our porches in our rocking chairs, we will remember but a few accomplishments. Undoubtedly for many of us, the accomplishment of teaching tomorrow’s surgeons will stand out as the most meaningful.

This year our medical school underwent a successful accreditation. Notwithstanding, this achievement, our educational leadership feels we need to have a critical look at how we teach both undergraduate students and residents. We can no longer cling to old ways and traditions, that may not be appropriate for a changing generation of surgical students. For example, plans are now underway for a revitalization of our clerkship, under the new leadership of David Backstein.

In summary, this has been an exciting two years as Chair of this great Department. I have received nothing but encouragement from the faculty and nothing but support for new initiatives. I have certainly worked harder than ever before but each moment is filled with important challenges and most importantly, I have learned a deep respect for the caliber of individuals in this Department.
In recent years, members of the Department of Surgery at the University of Toronto have achieved great success in significantly increasing the amount of external peer-reviewed funding, and developing an internationally recognized Surgical Skills Centre, as well as attracting new funds to support academic activities, and thereby strengthening the size and breadth of its educational mission. Notwithstanding enormous achievements, the Department is also faced with a number of challenges arising – in large part – from changing pressures in the internal and external environments.

In December 2003, the Department of Surgery commenced a tactical planning process designed to gain a stronger understanding of the key issues impacting on the Department, as the basis for identifying strategic directions and priorities to be addressed over the next five years, from 2004 to 2009. Early in the process, there was agreement that the Department’s vision, mission and values would be in modification of those of the Faculty of Medicine to reflect the Department’s commitment to its vision.

The review of the external and internal environments and the interviews conducted as part of the strategic planning process provided a clearer perspective of some of the key issues impacting on the Department including:

- Blurring lines between surgery and other disciplines.
- Integrating advances in technology (molecular medicine, robotics, information technology) in teaching, research and clinical practice which requires greater collaboration outside of surgery.
- Continuing pressures to secure an alternate funding plan for the Department as a vehicle for protecting clinical, academic and research mandates, and as a critical force for recruiting and retaining top calibre academic surgeons.
- Declining interest in surgery as a choice for young doctors, particularly women.
- Diminishing university resources, greater dependency on hospital resources and increasing pressure to secure new sources of revenue.

Based on the findings emerging from the strategic planning process, six strategic directions were confirmed to guide the future activities of the Department. These directions are aligned with the priorities identified in the University of Toronto planning document - Stepping Up: A Framework for Academic Planning and the priorities identified in the Faculty of Medicine’s strategic plan (June 2000).

Specific goals and supporting strategies/actions were also identified to support advancement of the six strategic directions. Detailed tactics/actions were developed to advance these goals. These are articulated in the main text of the strategic plan and can be found on the Department’s website at http://www.surg.med.utoronto.ca/strategic_plan.html.
### Planning Framework for 2004-2009

#### STRATEGIC DIRECTIONS

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<th>STRATEGIC DIRECTIONS</th>
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| **1. Strengthen, support and renew faculty**              | 1-1 Achieve an effective alternate funding plan for all surgeons across the Department.  
1-2 Attract new surgeons and nurture existing faculty within the Department.  
1-3 Develop a Departmental recruitment plan and focus on programs/divisions with particular recruitment concerns.  
1-4 Promote equitable well-functioning practice plans across all divisions. |
| **2. Enhance teaching and enrich the student experience** | 2-1 Exploit impacts and advances in technology on the practice and organization of surgery.  
2-2 Revitalize educational programs.  
2-3 Restructure and change paradigm of residency education.  
2-4 Recognize, reward and mentor clinical teachers.  
2-5 Demonstrate and profile international leadership role in education through innovative change. |
| **3. Enhance productivity and impact of research**        | 3-1 Establish Toronto as the training ground of choice for surgical scientists.  
3-2 Increase research funding from $27 million (2002/03) to $44 million (2007/08).  
3-3 Establish molecular medicine training program.  
3-4 Strengthen health services research as a research priority. |
| **4. Promote interdisciplinarity in research, teaching and clinical practice** | 4-1 Advance interdisciplinarity in research.  
4-2 Advance interdisciplinarity in teaching.  
4-3 Actively pursue collaboration with other surgically-related departments within the Faculty of Medicine. |
| **5. Maximize university-hospital relationships**         | 5-1 Formalize joint planning with Department and TAHSC hospitals, with greater alignment of clinical, teaching and research priorities.  
5-2 Maximize relationships with teaching hospitals.  
5-3 Leverage opportunities for the Department to lead the development of new service delivery models and in the organization of clinical services.  
5-4 Expand clinical teaching faculty in partially affiliated hospitals. |
| **6. Explore and establish alternative sources of revenue** | 6-1 Increase alternative sources of revenue by $5 million over the next five years.  
6-2 Enhance presence of the Department in the eyes of the Foundation(s) and among other key funding partners. |
During the 2003-04 academic year, a number of changes were made in the organization of the administration of Undergraduate Education, in the Department. Dr. John Bohnen assumed the new position of Vice-Chair of Education, overseeing all aspects of the educational mandate of the Department. Dr. Ted Ross stepped down as Clerkship Director and was followed in that role by Dr. David Backstein. Dr. Bill Tucker completed his term as Director of Undergraduate Surgical Education at the end of the academic year and that position will be discontinued with the reorganization of educational administration. Dr. Tom Lindsay joined the Undergraduate Education Committee (UEC) as a representative from the University Health Network, where he is Surgery Clerkship Coordinator at the Toronto General Hospital.

Dr. Kenneth Pace, supervisor of the Phase II Clerkship OSCE and Dr. David Backstein, organized a very successful retreat the McLean Estate on April 23, to revise and augment our bank of OSCE test items. Dr. Pace also introduced, for the first time, an OSCE station to assess technical skills, as part of the Phase II examination. During this academic year the teaching of surgical skills to Phase 1 Clerks, was centralized to the Surgical Skills Centre at Mount Sinai Hospital and Dr. Backstein proposed increased time commitment for this instruction in future years.

Dr. John Murnaghan organized and led a Resident as Teacher Day, on July 11, 2003 and a New Faculty Day, held on October 2, 2003. These events were well-evaluated by the attendees and contribute significantly to faculty and resident development.

Dr. Peter Chu, of the Division of General Surgery at Sunnybrook and Women’s College Health Sciences Centre, won the E. Bruce Tovee Award, for undergraduate teaching this year. Dr. Andrew Kader, a Urology resident, won the DR Wilson Award for teaching by residents. Dr. Patricia Stewart of the Division of Anatomy shared an Aikins award with Dr. Marika Hohol, of the Department of Medicine (Neurology), for development of the use of innovative instructional methods in the Brain and Behaviour course.

In May, 2004, the Faculty of Medicine underwent an Accreditation Review. Drs. Bohnen and Backstein represented the Department of Surgery and met with the accreditors. As a result and in common with other departments, Surgery did very well overall.

Finally, I would like to extend my sincere thanks to Drs. Wedge and Reznick, who supported me over the last eight years as Undergraduate Director and to Drs. Hamstra, Ross, Backstein and Bohnen, the staff at the Banting Institute and the student and faculty members of the UEC, who made my job pleasant and fulfilling.
The Department of Surgery’s residents, fellows and faculty members contributed to another year of accomplishments, challenges and milestones in 2003-2004.

Surgery entry level programs filled all of our first year positions in July 2003, through the Canadian resident match. In 2003-2004, 213 trainees participated in our 11 programs (Cardiac Surgery, General Surgery, Neurosurgery, Orthopedic Surgery, Plastic Surgery, Thoracic Surgery, Urology and Vascular Surgery residencies; and Colorectal Surgery, Paediatric General Surgery and Surgical Oncology fellowship programs). In addition to those residency positions, 166 clinical fellows and 29 elective residents came from many countries to seek further clinical training. Our Thoracic Surgery program has been changed back to a specialty level program by the Royal College of Physicians and Surgeons of Canada (RCPSC), no longer taking residents in their first year of training. Thirty residents received research training within the Surgeon Scientist Program, led by Dr. Ori Rotstein.

Residents finishing Core Surgery (years one and two) and senior residents were highly successful in RCPSC in-training and fellowship exams. Twenty-five of 28 residents passed their Royal College fellowship examinations.

Surgery residents participated in numerous educational offerings that complemented their involvement in patient care. Besides the large number of specialty sessions provided by the surgical faculty in each division, the department sponsors educational series and events for Core Surgery residents. Dr. Bob Mustard continues to run the highly rated Principles of Surgery (POS) Lecture series and provides a practice POS exam from questions he and POS lecturers have created around the lectures and from the surgical literature. Twice yearly, Core Surgery residents participate in the Residents’ Forum, in which they give feedback to Dr. Stan Hamstra and me about issues such as work conditions. On July 11, 2003, Core Surgery residents attended the annual half-day program “The Surgeon in Society;” this year’s theme was risk management and its relation to surgical education. First year residents attended in July, an orientation day that provided them a chance to meet education providers in a relaxed setting with good food, the most valued resident attractant. Several resident volunteers, enticed by more food and a chance to promote their specialities, participated last fall in a career night for senior year medical students interested in Surgery. In the summer, residents in their third year of clinical training attended a “residents as teachers” workshop, led by Drs. John Murnaghan and Stan Hamstra; this was rated highly by residents and supports residents’ triple mission, of providing patient care, achieving their own education and helping to train medical students and junior residents. Last but not least, Dr. Jameel Ali led the department’s provision of Advanced Trauma Life Support training, for Core Surgery residents.

Dr. Helen MacRae continued to direct the Surgical Skills Centre (SSC) including training Core Surgery residents in basic operating room skills and theory in a controlled setting, under the supervision of master teachers of surgical technique. Besides Core Surgery training, the SSC provides advanced skills training for surgical divisions and the Departments of Otolaryngology and Obstetrics/Gynecology.

The divisional Program Directors do an outstanding job taking care of their residents’ needs and organizing divisional educational and social events. Thanks for a great year to: Drs. Gail Darling (Thoracic Surgery); Doug Hedden (Orthopaedic Surgery); Ron Kodama (Urology); Jack Langer (Paediatric General Surgery);
David Latter (Cardiovascular Surgery); Ron Levine (Plastic Surgery); Tom Lindsay (Vascular Surgery); Lorne Rotstein (General Surgery); Carol Swallow (General Surgical Oncology); and Chris Wallace (Neurosurgery) and their tireless assistants: Liz Doherty, Karen Hodgson, Antonella Iannaccio, Eddy De Oliveira, Willa Hart, Gayle Burke, Leah Gabriel, Jan McEvoy, Jane Hanes and Sandi Amaral, respectively.

Each year, hospitals, surgical divisions and the Department of Surgery, award faculty members and residents awards for excellence in postgraduate teaching. Among the key departmental awards, Dr. Ted Ross won the Tovee Postgraduate Award for sustained, outstanding contributions to postgraduate training and Dr. Andrew Kader, won the D. R. Wilson Education Prize for outstanding teaching of medical students by a surgical resident. Congratulations to both for these significant accomplishments.

In September of 2003, our department joined others in engaging staff and residents in online evaluations of residents and teachers, sponsored by the faculty Postgraduate Medicine office. We encountered challenges and glitches, found causes and solutions, and enter the 2004-2005 year with expectations that the system will run more smoothly. We thank the Program Directors, their assistants, teachers and residents for their patience in this start-up year.

The department’s education offices have undergone changes this year. The Postgraduate office has merged with the Undergraduate Education office in January 2004 and moved into new quarters on the second floor of the Banting Institute. Undergraduate portfolios have changed but in postgraduate education, I continue as Director, and have assumed the role of departmental Vice Chair, Education.

Two of our divisions have undergone reviews this year. In a five year review of the Neurosurgery division, their educational programs were commended under the leadership of Dr. Chris Wallace and Division Chair, Dr. Jim Rutka. General Surgery came under review as a result of four residents leaving the program this year. This situation is not isolated to Toronto: a disappointing incidence of attrition from General Surgery programs, has occurred across North America over the last few years. A proactive approach this year has brought an outside review, the recommendations of which are not available as of this writing. Division and department leaders are committed to consider the findings of the review and work to reverse this trend.

Residents, fellows and surgeon-teachers have received outstanding help from the administrative support team of Tess Weber, Miriam Rotman and Jean DeFazio. We look forward to another great year in 2004-2005!
Research successes exceeded expectations over the past year in the Department of Surgery. The total research funding by the Department exceeded $30,000,000 million, as faculty grant accrual continued to rise. It’s been a phenomenal year for the Surgeon-Scientist Program (SSP). It continues to be a well-recognized program internationally, providing surgical residents with superb opportunities for research training within outstanding research groups. This past year seven new residents entered the SSP, giving the Program 16 MSc, 3 MEd, and 12 PhD candidates, involved in full-time research. They were recognized not only locally and nationally, but internationally, as well. This was confirmed by their outstanding publications in the highest quality peer-reviewed journals, as well as their success in obtaining grants and awards. This past year, over 95% of our SSPs, were successful in receiving full or partial salary support from external granting agencies. The Johnson & Johnson Medical Products Surgeon-Scientist Fellowship program’s fourth year of commitment, allowed us to support four SSPs. These were Dr. Karen Cross (supervisors: Drs. Joel Fish & John Semple), Dr. Alexandra Mihailovic (supervisor: Dr. Andrew Howard), Dr. Danny Ramzy (supervisors: Drs. Vivek Rao & Terry Yau) and Dr. Jay Riva-Cambrin (supervisor: Dr. James Drake).

The 30th Gallie Day, featured the research work of 12 of our Surgeon-Scientist Program residents in the Annual Gallie-Bateman competition. There was a tie for first prize, with awards going to Dr. Shafie Fazel (supervisors: Drs. Richard Weisel and Ren-Ke Li) and Dr. Rachel Khadaroo (supervisor: Dr. O.D. Rotstein). The 2nd prize awardee was Dr. Babak S. Jahromi (supervisor: Dr. R. Loch Macdonald). Dr. Babak returned to the University of Toronto, after his SSP PhD training at the University of Chicago Medical Center, Illinois. The third Annual Gallie Bateman Poster Competition took place on the day prior to the Gallie Day celebrations and featured a total of 34 posters from students, fellows and post-doctoral students, from across the Department. Two prizes were awarded: the McMurrich Award (basic science) and the Wyeth-Ayerst Award (Health Services and Education research). This year three McMurrich awards were presented to: 1st prize to Dr. Minna Kim (supervisor: Dr. Cindi Morshead), 2nd prize to Dr, Giuseppe Papia (supervisor: Dr. Ori D. Rotstein), 3rd prize to Dr. David J. Santone (supervisor: Dr. Thomas F. Lindsay). The Wyeth-Ayerst Award was won by Dr. Sarah Woodrow (supervisor: Dr. Stanley Hamstra).

Again this year, faculty accomplishments were extraordinary. Over 10 new grants were awarded by the Canadian Institutes of Health Research. The Premier’s Research Excellence Award (PREA), designed to assist gifted researchers, was awarded to deserving researchers including Drs. Benjamin Alman, Lori Burrows and Andras Kapus. Our new Faculty members were recognized through their receipt of local competitive University grants including the Connaught New Staff/Matching Award (Drs. Michael Borger, Cindi Morshead, Robert Nam) and the Dean’s Fund Competition for New Staff (Drs. Michael Borger, Adam Dubrowski, Alexandra Easson, Peter Ferguson, Kenneth Pace, Vasundara Venkateswaran and Paul Wales). Over a dozen SSP residents and faculty received Physicians’ Services Incorporated (PSI) Foundation grants. This year’s Bernard Langer Surgeon-Scientist Award recipient, given to the most outstanding graduate of the Surgeon-Scientist Program, was Dr. David Urbach. Dr. Robin McLeod was recognized for her contributions to the Department by being awarded the Charles H. Tator Surgeon-Scientist Mentoring Award. This award recognizes Robin’s excellence in research and commitment to the SSP mentoring and dedication to the promotion of Surgeon-Scientists. This past year, the Armstrong-Peters Prize for young investigators was awarded to Dr. Thomas Waddell, while Dr. Andres Lozano was honoured with the Lister Prize for senior investigators.

The Departmental Research Committee continued its work on developing a mentoring program for young faculty and defining the role of non-clinician scientists in the Department of Surgery. A non-clinician scientist continues to be highlighted in the monthly Department of Surgery Newsletter. The Committee also participated in the preparation of this year’s Gallie Day program highlighting surgeon-scientist presentations, and a symposium in International Surgery organized by Dr. Massey Beveridge. This year’s Gordon Murray Lecturer, Dr. Shafique Pirani, Associate Professor, Department of Orthopaedics, University of British Columbia highlighted the issues in his plenary lecture addressing orthopaedic care in Uganda.

Finally, we thank Val Cabral for her coordination of all aspects of the Departmental research activities.

In summary, this has been a stellar year for research in the Department of Surgery. We should continue to take great pride in the breadth and depth of our research accomplishments, while remaining cognizant of the importance of future research innovation as a means of providing excellence in patient care.
The Division of Cardiac Surgery has continued to focus on academic achievement as well as providing outstanding cardiac surgical results for the population of Central Ontario.

Clinical

The opening of cardiac surgical programs at three community hospitals in the Greater Toronto Area reduced the waiting list and increased the risk profile of patients referred for cardiac surgery at the University of Toronto affiliated institutions. After an initial decrease in the number of surgical procedures, a rebound and plateau has been achieved so that the number of procedures at the four institutions is expected to remain stable for the next few years.

Cardiac Surgical Residency

The Residency Program under the direction of Dr. David Latter continues to provide individualized training of the highest caliber for the residents. Again this year, the Program Committee selected its first choice for our one resident position, Dr. Mitesh Badiwala.

Dr. Paul Fedak was awarded the Paul Cartier Award from the Canadian Society of Cardiac Surgery and was a co-investigator on a successful Heart Foundation grant.

Dr. Subodh Verma received the Young Investigator Award from the American College of Cardiology and was a co-investigator on a second grant award.

Dr. Shafie Fazel was awarded the Gallie Bateman Prize and was a co-investigator on a Heart Foundation and CIHR grant awards.

Drs. Gilbert Tang, Mohamed Albanna and Veena Guru all received PSI grants.

Dr. Mark Peterson was awarded the Caves Prize from the International Society for Heart and Lung Transplantation.

Drs. Nimesh Desai and Michael Lekas received Research Fellowships and join Drs. Fazel and Guru in the Cardiovascular Trainee Mentoring Program (TACTICS).

The residents participated in the four Coach House Seminars and the visits of two Professors, Dr. David Adams of New York and Professor Sir Magdi Yacoub from London, England.

Academic Achievements

Each of the institutions has made outstanding contributions and achieved academic excellence in the last year. The Division continues to support exceptional basic research, clinical epidemiology and unique clinical programs.

Sunnybrook And Women's Health Science Centre

The Cardiovascular Surgical Division continues to lead the country in clinical trials. Drs. Stephen Fremes and George Christakis have excelled in carefully addressing critical issues facing cardiac surgeons. The radial artery trial received funding to continue follow-up of patients operated on at centres across the country. Dr. Nimesh Desai is completing his PhD program investigating new technologies for cardiac surgery. Dr. Veena Guru is completing her PhD program working with Dr. Jack Tu and the scientists at the Institute for Evaluative Sciences. Dr. Gideon Cohen, working with Dr. George Christakis, received funding from the Heart and Stroke Foundation to assess the late outcomes of patients randomized to receive a stented or unstented aortic prosthesis. Dr. Christakis was promoted to Professor of Surgery. Dr. Bernard Goldman continues as the editor of the Journal of Cardiac Surgery and is
nearing completion of his history of cardiac surgery in Canada.

St. Michael’s Hospital

Dr. Lee Errett and his colleagues continue to provide outstanding clinical outcomes in complex cardiac surgical procedures. The group is continuing recruitment of patients in their randomized trial of off pump compared to on pump coronary bypass surgery. Under the leadership of Dr. Yves LeClerc, St. Michael’s Hospital has been the leading center for off pump surgery in Canada. Dr. Mary Keith joined the Division of Cardiovascular Surgery and has continued the Division’s interest in nutritional preconditioning to improve outcomes. All Canadian Cardiac Surgical Residents attended the Donnelly Day this spring, sponsored by St. Michael’s Hospital and they heard Dr. Tirone David discuss pathways to enlightenment.

Toronto General Hospital

Dr. Tirone David was appointed a University Professor for his continued innovation in valvular heart surgery and his contributions to the education of cardiac surgeons around the world. In addition, he became the President of the American Association for Thoracic Surgery, the leading academic development of the specialty. Dr. Michael Borger instituted a program in minimally invasive valve surgery with Dr. David’s assistance. He received funding to continue his clinical investigations into techniques to prevent brain injury during cardiac surgery. Dr. Joan Ivanov received funding to continue her investigations into the predictors of morbidity and mortality after surgery.

Dr. Viv Rao became the principle investigator of the NIH funded STICH trial comparing ventricular remodeling surgery, to coronary bypass alone or medical therapy for patients with heart failure. Dr. Rao and Dr. Heather Ross continued to provide a unique service to the community with the left ventricular assist program. Drs. Rao and Feindel also received funding for laboratory and clinical investigations, into organ protection to prevent transplant arteriopathy.

Dr. Terry Yau received funding to continue his investigations into gene and cell therapy to induce angiogenesis. He also received additional funding for his insulin cardioplegia trial.

Dr. Ren-Ke Li received numerous awards as the initiator of the new field of cell transplantation. Working with Drs. Subodh Verma, Paul Fedak and Shafie Fazel, Dr. Li continues to receive an unprecedented number of peer-reviewed grants for his innovative basic science research.

Hospital For Sick Children

Dr. Glen Van Arsdell and his colleagues continue to be world leaders in the surgery for congenital heart disease in neonates. The outcomes remain outstanding and reflect the dedication of the surgeons to the care of these critically ill newborn babies. Drs. John Coles and Chris Caldarone have established laboratory and clinically relevant investigations. Dr. William Williams continues to direct the Congenital Cardiac Surgery Database and to supervise Fellows using the database for academic endeavors.

Summary

The Division of Cardiac Surgery continues to be a leading academic and innovative centre in the world. The focus of the Division is to provide outstanding outcomes and to excel at academic productivity.
Resident Training

Eleven new PGY-1 residents and two APIMG residents, one from Egypt, and the other from Lebanon were accepted into our general surgical program, for the academic year 2003-2004. Unfortunately, during the year, three of our PGY-1 residents and one of our PGY-3 residents left our general surgical program, namely for issues related to work-load and quality of life. We are taking this issue extremely seriously in our general surgical division and are awaiting the report of the external review of our residency program, by Dr. Stephen Evans. Although, overall the general surgical residency training program at the University of Toronto is exceptional in its depth and breadth, issues remain which must be addressed and the way in which we do our business must also change. These will be the top priorities for our Inter-hospital Coordinating Committee and Postgraduate Education Committee for the next few years. The following general surgical residents were successful in completing the General Surgical Training Program for 2003-2004. They are: Drs. Richard Bloomberg, Andrew Burns, Erin Kennedy and Mylene Ward. The residents engaged in full time research in the Surgeon-Scientist Program during the 2003-2004 year were: Drs. Tracey Asano, Anand Ghanekar, Veena Guru, Michael Ko, Danny Ramzy and Alexandra Mihailovic.

Promotions

During this academic year the following were promoted. To Assistant Professor, Dr. Paul Bernick; to Associate Professor: Dr. Sherif Hanna and to Full Professor Dr. David McCready. We congratulate those who were promoted for their superior efforts, that have now been recognized in a concrete way.

New Faculty

During the academic year 2003-2004, new faculty included: Dr. Jaime Escallon to Mount Sinai Hospital and UHN, Dr. Wey Leong to University Health Network/Mount Sinai Hospital, Dr. Ian McGilvray to University Health Network, Dr. Michael Reedjik to University Health Network and Dr. Frances Wright to Sunnybrook and Women’s College Health Science Centre.

Honours, Awards and Appointments

Our surgical residents, particularly those in the Surgeon-Scientist Program were extremely successful in their grant capture as well as overall in their academic productivity. Dr. Anand Ghanekar – Chisholm-Memorial Fellowship, the William-Cron and Jean Harris Memorial Fellowship by the Postgraduate Medical Education Committee and the Canadian Research Award for Specialty Residents from the Royal College of Physicians and Surgeons of Canada, and CIHR. Dr. Rachel Khadaroo – Chisholm-Memorial Fellowship, Edward-Christie Stevens Fellowship and the Time Posters awarded by the Postgraduate Medical Education Committee, 1st prize in the Basic Science section in the Trauma Resident Papers Competition at the American College of Surgeons on Trauma, SIS and CIHR awards and 1st prize winner at the Gallie-Bateman Research Presentations in May 2004. Dr. Kouros Moozar – Joseph M Family West Memorial Fund awarded by the Postgraduate Medicine Awards Committee. Dr. Giuseppi Papia – 2nd prize McMurrich Award at the Gallie-Bateman Poster Session Competition. Dr. Kinga Powers – William S. Fenwick Fellowship by the Postgraduate Medical Education Committee and the American College of Surgeons Scholarship, CIHR and CIDS. Drs. Peter Stotland and Mark Walsh each won a Paddy Lewis Award for Excellence in Teaching. Dr. Tracey Asano – Awarded the National Cancer Institute of Canada Grant. Dr. Veena Guru – CIHR and PSI Grant. Dr. Michael Ko – OSOTF-Gifford Scholarship. Dr. Danny Ramzy – Rigby/Wedge Scholarship University of Toronto and OGSST award. Our faculty were extremely successful in grant capture and these included: Drs. John Bohnen, John Marshall and Mark Catrall each of whom received CIHR grants. In addition, Mark Catrall received an NIH grant. Dr. Alexandra Easson.
received a PSI grant, Dean’s Fund grant and a grant from the American College of Surgeons. Dr. Steven Gallinger received a Lustgarten Foundation for Pancreatic Cancer Research grant, NCI/NIH grant, Ontario Cancer Research Network grant, NIH and CIHR grants. Dr. Stan Hamstra - NSERC grant. Dr. Andras Kapus - CIHR and NSERC grants. Dr. Peter Kim - CIHR and March of Dimes Birth Defects Foundation and Hospital for Sick Childrens Foundation. Dr. Wey Leong – Canadian Breast Cancer Research Alliance. Dr. Fred Brenneman – Department of National Defense Research Program and Quality of Life Grant. Dr. Lavina Lickley – Bennett Family Foundation grant. Dr. Andrea McCart – Miller Cancer Research grant. Drs. Ian McGilvray, Robin McLeod and Ori Rotstein each received CIHR grants. In addition, PSI grants and DCIEM grants were obtained by Drs. Ian McGilvray and Ori Rotstein respectively. Dr. David Urbach – Ministry of Health and Long Term Care grants. Dr. Paul Wales – University of Toronto Dean’s Funds and Dr. Frances Wright – Canadian Breast Cancer Foundation Grant. This represents an exceptional amount of research productivity from our faculty. Our faculty received the following honours and awards. Dr. Jameel Ali – Trauma Achievement Award of the American College of Surgeons; Dr. Paul Bernick – J. Fowler Excellence in Teaching Award; Dr. Zane Cohen – Mentor Award from the American Society of Colon and Rectal Surgeons; Dr. Paul Greig – Frank Mills Award for Excellence in Teaching; Dr. Robin McLeod – 2004 Charles H. Tator Surgeon-Scientist Award and President of the Canadian Association of General Surgeons; Dr. Ted Ross – 2004 Tovee Award for Postgraduate Teaching. Dr. David Urbach – 2004 Bernard Langer Surgeon-Scientist Award; Dr. Andy Smith – Peters-Boyd Academy Teaching Award for Excellence in Innovation and Continuing Education. Dr. Calvin Law – Peters-Boyd Academy Teaching Award for Clinical Teaching in Undergraduate Education; Dr. Ori Rotstein – Elected Governor of the American College of Surgeons for the Province of Ontario.

**Events**

One of the major events of the year was the announcement of the Dr. Bernard and Ryna Langer Endowed Chair for the Chairman of the Division of General Surgery, at the University of Toronto. Through the matching fund program at the University, the entire general surgical division has already raised more than $850,000 for the development of the chair, during the past four years and by the end of this calendar year, we will have raised an additional $200,000. The total of over 1 million dollars raised by our general surgical faculty, is recognized by the university development office as the largest and most successful fund-raising campaign, by a faculty group in the University’s history. I wish to thank every member of our general surgical division for their contributions and support for this project and I know that every member of our general surgical staff can take enormous pride in this achievement. Following on, through a committee of general surgeons, friends of Dr. Langer, grateful patients and various generous philanthropists, we have raised over 2 million dollars, enough that on May 27, the university held a special event to officially announce this chair. This is a great achievement for our division to finally have a chair endowed in perpetuity. The endowment money generated by this chair, will be used for recruitment of faculty, building our division’s profile, visiting academics, bridge funding for research and a wide range of other academic activities.

The 44th Annual Update Course for General Surgeons and Residents, was held on April 15-17, 2004. There was a record turn out of over 400 registrants. The guest lecturer was Dr. Jeffrey Milsom and over 90% of our general surgical faculty presented at that major CME event. All of our general surgical staff were evaluated extremely highly as was the entire meeting. This coming year the Surgical Oncology Network Symposium, will also come under the edges of our general surgical division and we therefore look forward to having CME events on an annual basis, in the fall and in the spring.

Our premier academic event of the year is the Annual Assembly for General Surgeons and Residents. This took place again in June of 2004. The Tovee Lecturer on that day was Dr. David Wesson, who did an outstanding job in his presentations and distributing awards for the best papers and posters to Drs. Anand Ghanekar, Giuseppi Papia and Andrew Dueck.

Again, I would state that these are but a few highlights, for this truly great division of general surgery. We have much of which to be proud from our accomplishments but we will definitely not rest on our laurels. There is much work to be done particularly in the areas of resident education, fellowship guidelines, an improvement in our visiting professor program, continuing to improve our university/hospital relationships and expanding our surgical skills centre. Along with our divisional members, I look forward to working on these challenges.
Resident Achievements

Royal College Examinations:

Fellows of the Royal College of Physicians and Surgeons of Canada (FRCSC): Drs. Ashtosh Singhal and Julian Spears.

Resident Research Awards (International/National):

Several residents received externally funded fellowships and awards during the year:

Dr. Karim Mukhida: travel grant for an elective in Nepal; CNS Margot Anderson Foundation Fellowship in Brain Restoration Research from the Congress of Neurological Surgery.

Dr. Gelareh Zadeh: Resident Research Award, American Academy of Neurological Surgery; Henry A. Beatty Award.

Dr. Charles Matouk: Three year joint HSF of Canada/Pharma Research Postdoctoral Fellowship.

Dr. Julian Spears: Merck Frosst/Heart and Stroke Foundation of Canada (HSFC) Fellowship Award.

Dr. Jay Riva-Cambrin: J & J Medical Products-Surgeon Scientist Program Fellowship; 1 year grant from The Physicians' Services Incorporated Foundation; Government of Ontario/Wellesley Surgeons Graduate Scholarship in Science and Technology; Claire Bombardier Award in Clinical Epidemiology.

Dr. Sarah Woodrow: Two year Royal College of Physicians and Surgeons of Canada Fellowship in Medical Education; PSI Grant.

Dr. Babak Jahromi: KG McKenzie Basic Neuroscience Research Award.

Dr. Sheila Singh: 2 year MD-PhD Fellowship from the American Brain Tumor Association; Young Investigator Award for Basic Science, Canadian Neuro-Oncology; NCIC MD-PhD Fellowship; KKG Scholarship for a Canadian Woman Pursuing PhD Studies; Canadian Brain Tumor Consortium Young Investigator Award.

Dr. Michael Taylor: 2004 Peter A. Steck Memorial Award, MD Anderson Cancer Center; CIHR Clinical Scientist Award.

Resident Research Awards (University of Toronto):

Dr. Cian O’Kelly: 2004 Alan Hudson Resident Teaching Award.

Dr. Jay Riva-Cambrin: 2004 Warren Ho Humanitarian Scholarship Award.

Dr. Eve Tsai: Successfully defended her PhD under mentorship of Dr Charles Tator.

Dr. Sarah Woodrow: John L. Provan Fellowship in Surgical Education; Wyeth Award.

Dr. Charles Matouk: Joseph M. Family West Memorial Fund; Ellen Epstein Rykov Memorial Prize.

Dr. Mel Boulton: Wightman-Berris Academy Teaching Award, UHN.

Dr. Paul Kongkham: Two year Medical Scientist Training Fellowship, McLaughlin Centre for Molecular Medicine.

Dr. Sheila Singh: Morley Prize, honorable mention; U. of T. Mitchell Scholarship, Life Sciences Department.

Dr. Julian Spears: William J. Horsey 1st Prize Recipient.

Dr. Cian O’Kelly: William J. Horsey 2nd Prize Recipient.

Dr. Babak Jahromi: Morley prize, 1st place award; Runner-up, Gallie-Bateman Resident Research Award, Runner up.

Dr. Bradley Jacobs: Morley prize, 2nd place award.

Faculty Achievements

Awards

Dr. Farhad Pirouzmand: PAIRS 2003 Excellence in Teaching Award from the University of Saskatchewan; Principal Investigator for a multicentre project “PRECISE” at Sunnybrook and Women’s College Health Science Centre.

Dr. Michael Fehlings: Member, Ontario Neurotrauma Research Advisory Panel; 3 year renewal grant from the Canadian Institutes of Health Research; Member, Canadian...
Institutes of Health Research Neurosciences A Grants Committee; North American Spine Society Research Grant Award; 1 year grant from the Cervical Spine Research Society; McLaughlin Scholar, R. Samuel McLaughlin Centre for Molecular Medicine; Editorial Board, Journal of Neurosurgery; Member, External Advisory Board for The Miami Project to Cure Paralysis; member, Science Advisory Council, Christopher Reeve Paralysis Foundation (CRPF); Member, Advisory Group, Medical Technology Innovation Taskforce, UHN; Neurocritical Care Prize, Canadian Congress of Neurological Sciences; Award of Merit in Basic Science, 2004 Heart and Stroke Clinical Update Meeting.

Dr. Jim Drake: Harold J. Hoffman/Shoppers Drug Mart Chair.

Dr. Richard Perrin: Nomination to the position of Secretary of the World Federation of Neurosurgical Societies.

Dr. Ab Guha: 3 year NCIC grant.

Dr. Jim Rutka: Scientific Program Chair, 2005 AANS Annual Meeting; Ronald L. Bittner Lecturer, 2004 AANS Meeting; Grass Award, Society of Neurological Surgeons; Re-appointed Chairman, Division of Neurosurgery, U. of T. for another 5 year term.

Dr. Charles Tator: Inducted into the Terry Fox Hall of Fame; PSI grant; appointed the Robert Campeau Family Foundation Chair Emeritus, 1 year; 4 year CIHR with Molly Shoichet.

Dr. Michael Tymianski: 2 5 year CIHR grants; NIH grant.

Dr. Michael Cusimano: Member, Nucleus Group Specialty Committee in Neurosurgery, Royal College of Physicians and Surgeons of Canada; 3 year CIHR grant.

Dr. Karen Davis: 1 year grant, AstraZeneca/ U. of T. Centre for the Study of Pain; Editorial Board, Journal of Neurophysiology.

Dr. Mark Bernstein: Masters of Health Science in Bioethics, U. of T.; Bioethics Columnist for The National Review of Medicine; CIHR grant.

Dr. Chris Wallace: Member, Nominating Committee of the WFNs; Member, American Academy of Neurological Surgery.

Dr. Peter Dirks: Appointed as the Young Neurosurgeon’s Liaison to the World Federation of Neurosurgical Societies’ (WFNS) Neuro-oncology Committee; 3 year NCIC grant; one of Canada’s Top 40 Under 40 award.

Dr. Andres Lozano: Lister Prize, Department of Surgery, U. of T.
The past year has brought a number of changes to the Orthopaedic Division at the University of Toronto. The focus by government on waiting lists for both diagnostic and surgical procedures has been largely on musculoskeletal disease. This has led to increasing pressure on orthopaedic surgeons both in academic practice as well as community practice, to increase the volume of clinical work to meet these demands.

The major focus by the Ministry of Health and Long Term Care has been on hip and knee replacement surgery. The easy answer to this problem is to suspend or diminish other orthopaedic surgical activity and divert the resources once used for knee ligament reconstruction or foot and ankle surgery, for example, to patients requiring hip or knee replacement surgery. This tendency has been resisted by the Division since the waiting lists for all types of orthopaedic surgery are long, even though the waiting lists for hip and knee replacement surgery have received most publicity.

These pressures have been felt uniformly throughout the Orthopaedic Division in all of the affiliated hospitals at the University. In order to address these problems TAHSC has set up a committee to look at hip and knee replacement surgery and how this increased demand can be met without disrupting clinical care, research and teaching. The recommendations of this committee will be put forward to TAHSC and then to the Ministry of Health; hopefully this will allow us to continue to meet all of the clinical and academic obligations of the University.

We have had an excellent year from an academic perspective in the Division. Peer-reviewed publications exceeded the previous year and peer review grants also improved. I am delighted to say that this is the eighth consecutive year in which there has been an improvement in both publications and peer reviewed grants.

There were many visitors to the Division in the past academic year. The highlight was the 2003 Kennedy Visiting Professor, Dr. Henry H. Bohlman, Professor of Orthopaedic Surgery, Case Western Reserve University School of Medicine from Cleveland, Ohio. Dr. Bohlman's clinical interest is in spine care and he provided excellent teaching for the residents over the two days of the Kennedy Visiting Professorship.

The Basic Science Visiting Professor was Dr. Cato Laurencin from the University of Virginia. He is a recognized expert in cell signally and cell biology and contributed tremendously to our research day.

The Austrian, Swiss, German Traveling Fellows visited us for two days visiting the hospitals affiliated with the University of Toronto and presenting their work to the residents at the weekly academic half-day. We were also fortunate to have the ABC Traveling Fellows visit; a number of them visited different teaching units and laboratories; they also presented their work at an academic half-day which was organized in their honour.

Individual members of the faculty singled out for excellence included Ben Alman who was awarded a $25,000.00 scholarship entitled the “Arthur H. Huene Memorial Award” by the Paediatric Orthopaedic Society of North America. Michael McKee was recognized by the Orthopaedic Trauma Association receiving the Bovill Award for the best paper presented at the OTA in two consecutive years – I don’t think anyone in the OTA has ever had this honour. A number of members of our Division were elected to the American Orthopaedic Association including Dr. Nizar Mahomed, Dr. Michael McKee and Dr. Jay Wunder. Robin Richards was appointed Vice-Chair of the Department of Surgery for Clinical
career in academic orthopaedic surgery; he did his residency training in Toronto and took up a staff position at the Wellesley Hospital upon completion of his training. He moved his practice to St. Michael’s Hospital with the merger of the two institutions. Dave has elected to end his practice on a high note and his farewell party at St. Michael’s Hospital was attended by many of his friends from the old Wellesley Hospital as well as the new St. Michael’s Hospital. Dave has made a significant and lasting contribution to orthopaedic surgery in Canada and the University of Toronto has always been fortunate to be associated with him.

Affairs.

David Backstein was appointed the Director of the Surgical Clerkship at the University of Toronto, Department of Surgery in January of 2004. We have already noticed the difference.

Bill Kraemer was chosen by the Residents for the R.B. Salter Award for the outstanding resident teacher for 2003-2004.

Three of our regular CPD courses were held this year. The Foot & Ankle Symposium in April 2004 attracted over 250 participants; the 20th Annual Upper Extremity Update was held again with a record crowd in attendance and the Biennial Pelvis and Acetabular Course was sold out. Excellent work by all the members of the Division in the CME area.

The second year medical student initiative was held again this year. It was suspended last year because of SARS; this year we therefore accepted more students than usual. All the students felt that the opportunity given to them to learn more about orthopaedic surgery would be very valuable in selecting their elective options in Year III and IV.

We have also added a new initiative to the Undergraduate Training Program. This is a junior resident orientation program run by Jim Wright from the Hospital for Sick Children and is specifically directed to first and second year residents, to ensure that their transition from medical school to residency is smooth and issues specific to the junior(s) year, with regard to rotation and workload can be met independent of the concerns of the more senior residents.

We had three members leave the Division of Orthopaedic Surgery in the past year. Dr. Robert McBroom left St. Michael’s Hospital to continue his career in spine surgery in the community; Dr. Tony Miniaci left the Toronto Western Hospital to work in the Cleveland Clinic. We would like to take this opportunity to thank both of them for their tremendous contributions to the Division of Orthopaedic Surgery over the past many years. Finally, Dr. David Hastings has retired from active practice. Dave has had a long and distinguished
We were very pleased to welcome Dr. Linda Dvali who joined the faculty this past year. Dr. Dvali is a graduate of the U of T Training Program and subsequently did a clinical fellowship with Dr. Susan Mackinnon in St. Louis followed by a Master’s in clinical epidemiology at Harvard. She joined the staff of the Hand Program at the Toronto Western Hospital in September, 2003. Dr. Robert Cartotto was promoted to the rank of Associate Professor effective July 1, 2004 and Dr. David Fisher was promoted to Assistant Professor.

The Annual Meeting of the American Society of Reconstructive Microsurgery was held in Palm Springs, CA, in January, 2004. Dr. Ronald Zuker was President of this Society for 2003-04 and presided over the meeting. The keynote lecture was delivered by Dr. Ralph Manktelow. Dr. Peter Neligan was elected to the Board of the ASRM during that meeting.

At the Annual Meeting of the North American Skull Base Society in New Orleans in February, Dr. Peter Neligan was elected to the Board of the Society. He was also appointed as co-chair of the Program Committee for next year’s meeting which will be held in Toronto in April.

Dr. Karen Cross (Postgraduate Medical Trainee, supervisor, Dr. Joel Fish, Department of Surgery) received the Wound Healing Society’s Young Investigator Award for her research project “Determination of Burn Depth Using Near Infrared Spectroscopy”. She received the award at the Society’s Annual Meeting in Atlanta, Georgia in March of this year.

The Hoyle Campbell Visiting Professor this year was Mr. David Evans. Mr. Evans is a hand surgeon from London, England and visited the Division on March 25th and 26th. He also presided over our Resident Research Presentations. The best research paper award was given to Dr. Cory Goldberg (supervisor Dr. Jeff Fialkov) and the best clinical paper award went to Brent Howley. The Mentor Scholarship was awarded to Dr. Karen Cross. Dr. Christopher Forrest won the WK Lindsay Award for research mentoring and Dr. Joan Lipa won the Arnis Freiberg award for best teacher in the Division.

The American Burn Association Meeting was held in Vancouver, B.C. in March of this year. Julia Haber (a medical student from Queen’s) won the Carl A. Moyer Award for work she had done under the supervision of Dr. Robert Cartotto at the Ross Tilley Burn Centre in Sunnybrook and Women’s College Health Science Centre.

We had further success at the Annual Meeting of the Canadian Society of Plastic Surgeons when Cory Goldberg, once again, won the best research paper award.

The Plastic Surgery Research Council was held in Ann Arbor, Michigan and Dr. Christopher Forrest was this year’s Program Chairman. Next year, Dr. Forrest will host this meeting in Toronto. This will be the 50th Anniversary Meeting of the Research Council and will certainly be a landmark meeting. At the meeting in Ann Arbor, Dr. Michael Moses (supervisors Drs. Cho Pang and Peter Neligan) won the Shenq Award for the best paper by a foreign resident or fellow. Dr. Moses comes from the UK and is currently spending a two-year fellowship in Dr. Pang’s laboratory at The Hospital for Sick Children.

This past year saw the launch of ARTEC. ARTEC is a tissue engineering initiative co-ordinated by Dr. John Semple in collaboration with the University of Toronto, Sunnybrook and Women’s Health Science Centre and Industry. This is a 12 million dollar initiative. Dr. Semple is currently engaged in organizing the scientific structure as well as the physical lab space which will see tissue engineering brought to a new level at this Centre.

This year, three residents were successful in the Royal College Examinations. The graduating residents are Drs. Alexis Armour, Brett Beber and Robert Shenker.
Clinical Accomplishments

The Division of Thoracic Surgery has the largest clinical activity of any Thoracic program in Canada. We continue to serve as the primary tertiary referral centre for most of Ontario and a quaternary referral centre for the rest of Canada. The Toronto Lung Transplant Program continues to be an international leader in clinical activity and outcomes. The Toronto Lung Transplant Program continues to be an international leader in clinical activity and outcomes. The Toronto Lung Transplant Program continues to be an international leader in clinical activity and outcomes. The Toronto Lung Transplant Program continues to be an international leader in clinical activity and outcomes. The Toronto Lung Transplant Program continues to be an international leader in clinical activity and outcomes. The Toronto Lung Transplant Program continues to be an international leader in clinical activity and outcomes. The Toronto Lung Transplant Program continues to be an international leader in clinical activity and outcomes. The Toronto Lung Transplant Program continues to be an international leader in clinical activity and outcomes. The Toronto Lung Transplant Program continues to be an international leader in clinical activity and outcomes.

The End Stage Lung Diseases Program, a multi-disciplinary endeavor with the Respirology Division, continues to grow with integrated and innovative approaches to diseases such as emphysema, pulmonary fibrosis and pulmonary hypertension. The Foregut Program focuses on clinical and academic endeavors, related to diseases of the esophagus and proximal stomach. The Thoracic Service has continued to develop expertise in minimally invasive surgery, for the management of both benign and malignant thoracic conditions. Our service is heavily involved in clinical trials in lung cancer, esophageal cancer and lung transplantation. Our division members are principle or co-principal investigators on a number of national and international multicentre trials.

Teaching and Research

The University of Toronto continues to be the largest and most comprehensive training program in the country, for Thoracic Surgery, providing residency training within the Royal College Program and fellowship training to numerous surgeons, from all over the world, under the coordination of Dr. Gail Darling, Program Director. The FG Pearson Award for Best Resident/Fellow Teacher was awarded jointly to Drs. Carmine Simone and Eric Bedard. The RJ Ginsberg Award for Best Postgraduate Teacher was awarded to Dr. Michael Johnston.

The Thoracic Surgical Research Laboratories continue to be very successful with grant capture and publications. Drs. Keshavjee, Liu and Waddell each maintain highly ranked CIHR operating grants, for their respective research projects. Our laboratory program continues to provide an exciting and productive research training environment, for residents in the Surgical-Scientist Program (MSc or PhD) and for numerous postgraduate fellows from all over the world.

Recruitment and Promotion

Dr. Yaron Shargall was appointed as Assistant Professor and an attending Thoracic Surgeon, at St. Joseph’s Health Center. Dr. Shargall trained in Cardiothoracic Surgery in Israel, and then in Thoracic Surgery at the University of Toronto. His academic area of interest, is surgical education and clinical trials.
Highlights

Dr. Joao Pippi Salle joined the staff in paediatric urology at the Hospital for Sick Children. He is internationally known as a surgical innovator in reconstructive urology. The ‘Pippi Salle’ procedure which involves reconstruction of the incompetent bladder neck is named after him. He will be conducting clinical research and has a special interest in resident education.

Dr. Vasundara Venkateswaran was appointed as the second scientist researcher in the Division of Urology. She is working at Sunnybrook and Women’s in Dr. Klotz’s lab.

Hospital for Sick Children

Dr. Darius Bagli was awarded a research grant from the National Institutes of Health. He won second prize for basic research at the Annual American Academy of Paediatrics National Conference and Exhibition.

He was also awarded a two-year National Institutes of Health (NIH) research grant. This two-year award is part of a five-year NIH O’Brien Centre Grant in Urologic Research and was awarded to Children’s Hospital in Boston. Dr. Bagli’s was the only project on this O’Brien Centre Grant, outside the Boston Children’s Hospital.

Dr. Bagli received a service award from the Society for Basic Urologic Research (SBUR), at the Spring 2004 meeting on May 8, 2004.

Dr. Walid Farhat continued his work in tissue engineering and repopulation of acellular matrices for bladder reconstruction.

He was a Visiting Professor at the University of Beirut in Lebanon in July 2003. He was also invited to lecture at the 6th Great Lakes Urology Seminar on March 12-13, 2004 in Detroit, Michigan. He received a grant from the Hospital for Sick Children’s Foundation, with partnership funding from the CIHR Institute of Human Development, Child, and Youth Care.

Dr. Tony Khoury, site chief at Hospital for Sick Children, was Visiting Professor at the Pediatric Urology Workshop at the Al Mafraq Hospital in Abu Dhabi, UAE on June 4-11, 2003. He was a Visiting Professor at the University of Arkansas Medical Center, Department of Urology, in Little Rock, Arkansas in October. While in Arkansas, he attended and spoke at the Arkansas Urological Society meeting. Dr. Khoury was invited as guest lecturer at the 16th Saudi Urological Meeting in Riyadh, Saudi Arabia on March 2-7, 2004.

He also continued his research in infection.

Dr. Lori Burrows promoted to the rank of Associate Professor this year, continued as Director of the Centre for Infection and Biomaterials Research. She won the Premier’s Research Excellence Award.

Dr. Burrows gave a talk on Nov 2, 2003 at the American Society for Microbiology’s Biofilms 2003 meeting in Victoria, British Columbia. She also gave talks at the Hospital for Sick Children’s Research Institute Retreat, Nov 18, 2003; Gordon Research Conference on Bacterial Cell Surfaces, New London, New Hampshire, June 30, 2004; Department of Biological Sciences, University of Southern California, Los Angeles, California, Apr 16, 2004; Queens University, Kingston, Ontario, Mar 24, 2004; and Advanced Foods and Materials Network Bacterial Biofilms Working Group Meeting, Guelph, Ontario, Jan 30, 2004.

She also was successful in her application for a CIHR New Investigator award. She has also been successful in two more grant applications. The first is from PENCE (Protein Engineering Network Centre of Excellence), New Ideas Program. The second is to study the role of bacterial cell wall biosynthetic enzymes in biofilm formation by Escherichia coli. (Agency: CIHR, III Pilot Project Grants for New Investigators).

She also received a three-year renewal of her CIHR Operating Grant in the March 2004 competition.

Dr. Burrows’ PhD student Poney Chiang received a two-year studentship from the Canadian CF Foundation in the October 2003 competition. Her PhD student, Julienne Kus received the inaugural two-year Canadian CF Foundation/CIHR Training Program Studentship in the October 2003 competition and an Ontario Science and Technology Graduate Scholarship for 2003-2004. A new MSc student in her lab, Melissa Ayers, received a two-year studentship from the Hospital for Sick Children’s Research Training Centre, in the April 2004 competition.
Dr. Joao Pippi-Salle won first prize for clinical research for his paper at the American Academy of Paediatrics.

Mount Sinai Hospital

Dr. Keith Jarvi, site chief at Mount Sinai Hospital, continued the Male Infertility Program and as Director of the The Murray Koffler Urologic Wellness Centre (MKUWC).

Dr. Jarvi gave a two-day course at the American Society of Reproductive Medicine’s annual meeting, in San Antonio, Texas in October and was guest speaker at the Paediatric Oncology Group of Ontario (POGO). Dr. Jarvi also organized the Annual Robson Research Day Resident and Fellow, scientific presentation contest.

Sunnybrook & Women’s College Health Sciences Centre

Dr. Lesley Carr continued as medical director of the Women’s Pelvic Health Centre at Women’s College Ambulatory Care Centre of Sunnybrook & Women’s College Health Sciences Centre until March 2004, when it closed. Dr. Carr also directed the weekly Urology School for the residents.

She organized the first meeting of Canadian Women in Urology, at the Canadian Urologic Association’s annual Meeting in June. She was also elected first president of the new Society for Canadian Pelvic Health Care Professionals. She also won the Division of Urology Postgraduate Teaching Award for Clinical Teaching this year.

Dr. Sender Herschorn continued as University Division Chair and Department Continuing Education Director. He was guest faculty at the University of West Virginia Annual Urology Teaching Weekend in Morgantown, West Virginia. He gave a presentation at the University of Toronto of T Mini Med School, in October and May as part of the lecture series on Men’s Health.

He was Visiting Professor to the Divisions of Urology and Urogynecology, at the University of Alberta in Edmonton and to the Division of Urology, at the University of Manitoba in Winnipeg.

Dr. Herschorn was Director of the 11th Annual Division of Urology course “Urology Update”.

Dr. Herschorn was a guest speaker at the McGill University and McMaster University Divisions of Urology sponsored course, entitled, “Current Problems in Urology”, in Quebec City, Feb 5-7, 2004. He was then guest faculty at the Northwestern University Department of Gynecology and Baylor College of Medicine’s Division of Urology, for “Update in Gynecologic Urology”, as well as in St. John, US Virgin Islands, Feb 12-14, 2004. He was next invited as Guest Faculty to the Prairie Urologic Association Meeting in Banff, Alberta, Feb 19-21, 2004 and also invited as guest speaker, for the session on male incontinence at the Society for Urodynamics and Female Urology Meeting in Scottsdale, Arizona, Feb 27-29, 2004.

Dr. Herschorn was also Visiting Professor Dalhousie University Division of Urology, Halifax Nova Scotia, April 13-14, 2004. He was also Visiting Professor at University of Montreal’s Division of Urology, April 20, 21, 2004, and demonstrated two different surgical procedures. He was a guest speaker at the Genitourinary Reconstructive Surgeons (GURS) Meeting at the AUA in San Francisco, California. He attended as guest speaker at the Czech Urological Society Meeting in Uherske Hradiste, Czech Republic, in May 2004.

Dr. Laurence Klotz, site chief at Sunnybrook & Women’s College Health Sciences Centre, continued his research in Uro-oncology and his many leadership appointments.

Dr. Klotz was Visiting Professor in London, England at St. George’s Hospital and at the University of Bristol, England in July. He was also an invited lecturer at the Vancouver Prostate Centre, University of British Columbia. In July, 2003, he was Visiting Professor, at Tokyo University, Tokyo, Japan and at the University of Manitoba, in August.

In September, he was guest lecturer at the State-of-the-Art Symposium at the Northeastern Section of the American Urological Association Annual Meeting in Halifax, Nova Scotia. Dr. Klotz was guest speaker at the Irish Society of Urology, Killarney, Ireland and at the German Society of Urologic Oncology, Marburg, Germany in October.

He also received a grant from the Ontario Cancer Research Network, for his work with prostate cancer.

Dr. Klotz was Visiting Professor at the University of West Virginia School of Medicine, Morgantown, West Virginia, in January, 2004.

Dr. Klotz was honoured as the American Urological Association’s (AUA) guest speaker for the plenary session of the European Association of Urology Annual Meeting in Vienna, Austria, March 25th. He gave a course at the American Urological Association Meeting in San Francisco and was a speaker in the Huggins Symposium in May. He won the Division of Urology Postgraduate Teaching Award, for surgical teaching this year.

Dr. Ron Kodama continued as Program Director. He won the A.W. Bruce Faculty Undergraduate teaching award for 2003-04 for outstanding teaching to medical students. He also organized the second Annual Resident Basic Science Course at the Delta Chelsea Hotel, Toronto, Feb 27-29.

He again organized the Surgical Skills Lab session on TURP and TURBT. He directed the annual Urology Fair, February 7, 2004. He won the A.W. Bruce Division of Urology Undergraduate Education Award, for outstanding teaching to medical students, which he has done every year since the award began.
Dr. Robert Nam continued his work in uro-oncology with research in the genetics of prostate cancer. He was awarded a grant from the Canadian Prostate Cancer Research Foundation, for one year. He also received a grant from the J.P. Bickell Foundation.

Dr. Nam also received a TFF grant for new investigators from the National Cancer Institute of Canada. He organized a Symposium on Prostate Cancer Management that was held on June 4th. It was in conjunction with the Prostate Cancer Centre at the Toronto Sunnybrook Regional Cancer Centre.

His book entitled “So You’re Having Prostate Surgery”, published world-wide by Wiley and co-authored with Leah Jamnick, RN, urology nurse co-ordinator, at the University Health Network, was a launched in Toronto on June 10th.

Dr. Vasundara Venkateswaran was awarded seed money from the Dean’s Fund for her project, on prostate cancer

**University Health Network**

**Toronto General Hospital and Princess Margaret Hospital**

Dr. Neil Fleshner, site chief at the University Health Network, continued his clinical and basic research in prostate cancer with major peer-reviewed grants.

Dr. Fleshner gave a State-of-the-Art lecture at the European Association of Urology Meeting in March 2004. He also received a grant from the Ontario Cancer Research Network.

Dr. Michael Jewett continued his clinical and research work in Uro-Oncology. He supervised Mr. Sanoj Punnen, who was awarded an IMS Summer Research Student Scholarship for the best poster at the IMS summer poster session. He supervised Dr. A. Volpe who was awarded a Surgical Oncology grant by the Ontario Cancer Research Network. As Principal Investigator he was awarded a grant from the Kidney Foundation of Canada and is Co-PI on a phase I/II study with metastatic renal cell carcinoma, as well as being a co-investigator on numerous other successful applications. Dr. Jewett was elected Vice-President of the Canadian Urologic Association and will serve as President-Elect next year.

Dr. Jewett was Visiting Professor at the Mexican Society of Uro-Oncology, Veracruz, Mexico, July 22-24, 2003. He was invited to present at the International Consultation on Prostate Cancer, Whistler, British Columbia, Mar 18, 2004 and was invited to Urology 2014: A Decade of Progress, Queen’s University Department of Urology, Kingston, Ontario, Apr 3, 2004. He was invited to the Washington Urological Society, Washington, District of Columbia, Apr 15, 2004 and was Visiting Professor to the George Washington University Department of Medicine, Washington, District of Columbia, Apr 15, 2004. Finally he was Visiting Professor to the Division of Urology, University of Manitoba, Winnipeg, Manitoba, May 18, 2004 and was invited to the GU Site Group Rounds, Cancer Care Manitoba, Winnipeg, Manitoba, May 19, 2004.

Dr. Michael Robinette continued as the major individual, contributing to the Multi-organ transplant program.

Dr. John Trachtenberg was visiting professor at Weizmann Institute of Science July 13, 2003, Haifa, Israel. Dr. Trachtenberg dedicated The Photodynamic Research Lab named in his honour, at the Weizmann Institute of Science, Israel on November 11, 2003.

Dr. Trachtenberg also received grants from Pfizer Canada Inc.; National Institutes of Health; and Princess Margaret Hospital Foundation.

He also co-chaired the Twelfth Annual Issues and Controversies in Prostate Cancer with Dr. Larry Goldenberg, University of British Columbia, in Whistler, British Columbia.

**Toronto Western Hospital**

Dr. Magdy Hassouna continued his basic and clinical work in neurourology and neuromodulation.

He hosted a broadcasting session in Interstim Therapy in the United States. He also chaired a session on Review on Sacral Neuromodulation and held a session at the annual meeting of the International Society of Pelvic Neuromodulation in La Jolla, California Jan 22-24, 2004 and at the same time, was elected their Vice President.

Dr. Sidney Radomski, continued his role as the Urology co-ordinator in the Surgical Skills Lab and conducted hands-on-sessions for the residents, during the year. Dr. Radomski won the Wightman-Berris Academy Award for Individual Teaching Excellence 2003-2004.

Dr. Radomski was also co-supervisor of Paula Miceli, who received a CIHR Canada Graduate Scholarship - Doctoral award.

**St. Michael's Hospital**
Dr. John Honey, site chief at St. Michael’s, continued his work as Director of the Lithotripsy Unit.

Dr. Honey was Scientific Program Chairman of the 21st World Congress on Endourology and Shock Wave Lithotripsy, which was held at the Palais du Congress in Montreal from September 21-24.

Dr. Kenneth Pace, Assistant Professor, continued his work in clinical epidemiology and Stone and Minimally Invasive Surgery.

Dr. Pace was awarded a Dean’s Fund new Faculty Grant. He also won an “Outstanding Teacher of the Art & Science of Clinical Medicine” award for 2003/4 at the Fitzgerald Academy.

Dr. Robert Stewart continued as the principal urologist in the kidney transplantation program as well as his basic research into angiogenesis in prostate cancer.

He won the Dr. Clarice Chalmers Teaching Award in the Department of Surgery at Saint Michael’s Hospital.

Dr. Stewart received the Fitzgerald Academy Undergraduate Teaching Award, 2003 and was awarded a new grant as co-investigator with Dr. Leong-Poi from the Division of Cardiology from the JPBickell Foundation.

**Academic Events & Divisional Awards**

The Annual Charles J. Robson Research Day was held on April 1. The Visiting Professor was Dr. Mostafa Elhilali, Chairman of the Department of Surgery at McGill University in Montreal. There were 25 research presentations from the division and the winners in the various categories were as follows:

- Resident basic science: Timothy Davies
- Resident clinical: Ashis Chawla
- Honourable mention: Tara Moskalyyk
- Fellow Basic: Kourosh Afshar
- Honourable mention: Ahmed Haddad
- Fellow clinical: Rami Al-Azab
- Honourable mention: Arthur Grabowski

**Other Awards won by Residents**

Dr. Karim Kader, PGY-4, won the D.R. Wilson undergraduate teaching award for excellence on Gallie Day.

**Highlights Undergraduate and Postgraduate Education**

Dr. Kodama again organized the Annual Basic Science Course for Urology Residents. All Canadian PGY1-3 Urology residents attended the event, Feb 27-29.

The annual MCCQE evening review lecture series in Urology was held in March and co-coordinated by Sender Herschorn with participation by John Honey, Michael Jewett, Sid Radomski, John Trachtenberg, and Pippi-Salle. The lectures and notes are updated yearly.

**Visiting Professors**

There were a total of 16 visiting speakers and professors in the division in 2003-04.

Dr. Mostafa Elhilali from McGill University was the Robson Visiting Professor. Visiting Speakers for Urology Update were Drs. Jerry Blaivas from Cornell in New York, Edward Messing from the University of Rochester in Rochester, New York, Steven Kaplan from Columbia University in New York, Colin Dinney from the University of Texas in Houston, Inderbir Gill from the Cleveland Clinic in Cleveland, Ohio, Gerald Broock from University of Western Ontario in London, Ontario, Serge Carrier from McGill University in Montreal, Quebec, Jeremy Heaton from Queen’s University in Kingston Ontario, Patrick Luke from the University of Western Ontario in London Ontario, Yves Fradet from Laval University in Quebec City, Philippe Zimmern from University of Texas Dallas Southwestern in Dallas, Texas.

Other visiting professors were Dr. Patrick McKenna from Southern Illinois University in Springfield IL and Dr. Robert Freeman from Boston Children’s Hospital Research Labs in Boston, Massachusetts.

Dr. Eric Klein from the Cleveland Clinic, Cleveland Ohio, and Dr. Robert Myers from the Mayo Clinic, Rochester Minnesota, were guest speakers at the Prostate Cancer Treatment Symposium.

**Continuing Professional Development**

The Eleventh Annual Division of Urology course Urology Update was held at the Westin Harbour Castle. Course director was Sender Herschorn with Laurence Klotz co-director. The planning committee included John Honey, Sid Radomski, Robert Stewart, and John Trachtenberg. Other participants were Magdy Hassouna, Kenneth Pace, Neil Fleshner, Rob Nam, Michael Jewett, John Honey, and Michael Robinette.

Dr. John Trachtenberg co-chaired the 13th Annual Issues and Controversies in Prostate Cancer in Whisler, British Columbia. It was again well-attended and highly successful.

Dr. Robert Nam directed a symposium on prostate cancer at the Vaughan Estate on June 4, 2004. It was held in conjunction with the TSRCC Prostate Cancer Centre.
Introduction

This has been a year of political action for the Division of Vascular Surgery. The division has united around the lack of priority status for Vascular Surgery at the University of Toronto teaching hospitals. We succeeded in obtaining a Ministry of Health sponsored review of Vascular surgery services in the GTA. The external consultant's report confirmed the surgeons' impression that major change is essential and urgent to improve the access to timely vascular surgery patient care and services. The next focus will be to achieve implementation which will allow recruitment and access to modern technology.

Administration

Dr. Wayne Johnston completed his term as the first Chair of the Division of Vascular surgery, Program Director in Vascular Surgery and Division Head at University Health Network. His leadership at the local, national and international level in research, fellowship training and recruitment, has given the Division an international reputation. Dr. Johnston continues as the R. Fraser Elliott Chair in Vascular Surgery and Editor-in-Chief of Vascular Web, a consortium of the North American Vascular Societies. He was appointed Vice Chair Distinguished Fellows Council and Board Member of the Society for Vascular Surgery, at the June 2004 meeting. Dr. Thomas Lindsay accepted the appointment as Division Chair effective October 2003. He has also assumed the role as Program Director in Vascular Surgery. Dr. Barry Rubin was appointed as the Division Head of Vascular Surgery at the University Health Network. Also, Dr. Rubin was elected Chairman and Chief Executive Officer for both the Mount Sinai Hospital – University Health Network Academic Medical Organization and the Health Practitioners Funding Group. These organizations represent the doctors in Alternate Funding Programs initiated by the MOHLTC. Dr. Wayne Tanner continues as the Head of the Section of Vascular Surgery at the Ontario Medical Association. He continues to play a major role on the OMA negotiating team trying to achieve a new collective agreement between the MOHLTC and the OMA. His political activities remain an important contribution on behalf of all physicians in Ontario. Dr. Douglas Wooster continues as the Chair of the Standards Committee of the Royal College of Physicians and Surgeons Maintenance of Certification Program; this Committee is structuring the next cycle of this CPD program for all Fellows. He also served as President of the Medical Staff Association of St. Joseph’s Health Centre.

Graduates

Drs. Stephan Mostowy and Ala Groof completed their vascular fellowship training in 2003. Drs. George Oreopolous and Dr. Ali Jawas have completed fellowship training in June 2004.

Research

Dr. Thomas Lindsay was awarded a new PSI grant in April 2004 entitled "Ruptured Abdominal Aortic Aneurysm: Molecular Mechanisms to Clinical Studies". This research focuses on the mechanisms of organ dysfunction following Ruptured Abdominal Aortic Aneurysm. Dr. Johnston’s CIHR funded grant with Professor Richard Cobbold (Biomedical Engineering) on Doppler studies continues as his major research endeavor. Dr. Rubin’s laboratory funded by both CIHR and PSI is investigating the role of prostaglandins as critical signaling molecules in both leukocytes and cardiac myocytes. Dr. Daryl Kucey continues his focus in epidemiology investigation and reporting upon the outcomes of vascular surgical procedures across the province of Ontario. Dr. Lossing’s collaboration with a group at Wayne State University into genetic predispositions for the development of aortic aneurysms resulted in a publication in Circulation.
Awards

Dr. Oreopolous won a Sopman Humanitarian Award presented by the University Health Network. Drs. Lindsay, Johnston and Wooster have been named Distinguished Fellows of the Society for Vascular Surgery. Dr. Rubin became a member of the Society for Vascular Surgery at the June 2004 meeting.

External Visits and Visitors

The Toronto and Vicinity Vascular Surgical Society had three meetings this year. Dr. Robert Hobson discussed Carotid Stenting in clinical trials. Dr. Craig Kent from Cornell University Medical Centre discussed the opportunities in Vascular surgery as a result of new technology. Drs. Kucey and Szalay spoke about their new treatment paradigms for varicose veins including ablation with endovenous laser techniques.

External visits by members of the Department included Dr. Rubin who was a Visiting Professor at the Karolinska Institute in Sweden. Dr. Johnston was the Distinguished Lecturer at the Japanese Vascular Society. Dr. Johnston, Kucey, Lindsay, Szalay and Wooster presented at the Winnipeg Vascular Surgery course in April 2004. Drs. Johnston, Lindsay, Szalay and Wooster presented on the applications of Duplex ultrasound at the VITO meeting in Toronto in May 2004. Dr. Szalay also spoke on “Office Based Management of Venous Disease” at the Royal Jubilee Hospital in Victoria Vascular surgery rounds in May 2004. Drs. Wooster and Lindsay presented on the vascular Duplex ultrasound at the Central Alberta Ultrasound Society meeting in Banff, AB, in May 2004.
This year the Division made further progress introducing electronic technology to support our educational programs in anatomy. The Division has now established course websites for each of the courses we teach to students in Dentistry, Arts and Science, Rehabilitation Medicine, Physical and Health Education, and the School of Graduate Studies. Through each of these websites students can access all course materials, announcements, marks, discussion groups, and links to other relevant websites. The museum, conference rooms and dissecting rooms now all have access to the internet so that students and instructors can readily incorporate web-based resources into their educational activities in the Division. We are continuing to expand the ‘Anatomia’ website, designed to address regions that present particular challenges in the dissecting room. Drs. Pat Stewart, Bernie Liebgott and Mike Wiley are currently developing a module on the anatomy of the orbit, which will be completed for the Fall of 2004. The ‘Anatomia’ website can be viewed at http://www.bmc.med.utoronto.ca/anatomia/.

Bequests to the Division this past year have permitted the establishment of the Friedberg Prize in Anatomy and the Harland-Smith Fellowship in Anatomy. The Friedberg Prize will be awarded to a student in the first year dental class for excellence in the laboratory. This award is a tribute to Dr. Ed Friedberg a laboratory instructor in dental anatomy for many years, who passed away this year. The Harland – Smith Fellowship will provide full graduate student stipends for students in Anatomy who choose to include training in teaching anatomy and neuroanatomy as part of their graduate programs. These fellowships have been established in the name of the late Dr. Carlton Smith and Rita Harland-Smith, both Professors of Anatomy for many years at the University of Toronto.

Many of the faculty in the Division were recognized this year with teaching awards including Dr. Pat Stewart who received the Aikens Award for Development and Use of Instructional Media and Dr. Ian Taylor who received the E. Mary Hollington Award for teaching with distinction in the undergraduate preclinical curriculum. Pat Stewart was also awarded the John Reudy Award for Innovation in Medical Education by the Association of Canadian Medical Colleges. In addition, Dr. Cindi Morshead received the Premier's Research Excellence Award for academic and research excellence.

Several new graduate students joined the Division this year including Vanessa Scanga and Howard McGill, supervised by Dr. Cindi Morshead; Alessandro Rosatelli, Lynda McClatchie, Kim Soo and Claudio Sansalonne, supervised by Dr. Anne Agur; and Makepeace Charles and Laetitia Leon, supervised by Dr. Bernie Liebgott.
Faculty in the Division of Biomedical Communications (BMC) are dedicated to the continued development of research in the field. Grants from NSERC (Cell Systems Visualization), a second-year of funding from Merck Frosst Canada Inc. (PharmaPlanner), and the CIHR Student Training Grant in Pain have helped to set the future direction of the graduate program.

The MScBMC program continues to attract 16 qualified students with high GPAs and interdisciplinary backgrounds (11 BSc, 3 BA, 2 PhD). In the 2003-2004 academic year, our graduate students secured $129,091 in scholarships and awards including 3 University of Toronto Entrance Opens, 2 Fee Differential Waivers, 6 Institute of Medical Science (IMS) Continuing Fellowship Awards, 3 OSOTFs, and 2 CIHR scholarships; very impressive for a small professional graduate program.

The M.Sc.BMC program is offered through the IMS in the Faculty of Medicine. On May 1st, 2004, BMC administratively moved from the Department of Surgery to the Institute of Communication and Culture, University of Toronto at Mississauga (UTM). During the next 5 years BMC will double its existing graduate student cohort from 16 to 32. As well, BMC and UTM faculty will design 10 new undergraduate half courses with interdisciplinary foci with a view to creating a continuum of teaching from the undergraduate to the graduate level in biomedical, scientific and health communication. The relationship with UTM will expand BMC’s present network of colleagues to other disciplines including Forensic Anthropology, Archaeology, and Psychology).

During the past 14 years, as a Division in the Department of Surgery, we have worked closely with many surgeons on innovative projects and grants. It is the hope of BMC faculty that this relationship will continue to flourish in the years ahead.
In 2003-2004, the Surgical Alumni Association continued its mission of re-engaging with alumni, and in providing the resources for enhancing and preserving the great academic activities in the Department of Surgery.

One of the ways that the association performs its role is through targeted fundraising among surgical faculty and alumni, including current faculty and past faculty and alumni practicing or retired in other centres. I am pleased to report that the 2003-2004 campaign for the Surgical Alumni Association of the Department of Surgery raised considerable support for our department. As you know, virtually all of the funds collected are used to benefit the Surgeon-Scientist Program. As in previous years, we tried to work in consultation with the fundraising initiatives of some of the divisions that were in the midst of focused campaigns. Divisional campaigns are certainly important because divisional aspirations are always carefully conceived and designed to meet pressing academic priorities.

Nevertheless, we continue to encourage all faculty and alumni to donate to the Surgical Alumni Association so that we can support department-wide programs such as the renowned Surgeon-Scientist Program. Because of your donations, this program has continued to have sufficient resources to be able to support surgical residents from all divisions who make the commitment to a formal period of training in research during their resident training in the Gallie Course. Because of your generosity, the Surgical-Scientist Fellowship endowment continues to grow each year and represents an important source of support for Surgeon-Scientist Program trainees. Our goal is to be able to attract and support an even larger number over the coming years.

For the 2003-2004 campaign, we continued to advocate that every current clinical faculty member in the Department of Surgery and every alumna and alumnus of our program practicing anywhere in the world should contribute a minimum of $1,000 annually to the Surgical Alumni Association, and we thank you to everyone who committed to this concept. We have also spent considerable time planning the 2004-2005 campaign because of the potential for doubling and tripling your 2004-2005 donations, through matching programs initiated by the university and the provincial government. Thank you to the Division Heads who continued to play a key role in the annual campaign of the Surgical Alumni Association.

Other major campaigns to which we devoted our energy in 2003-2004 included the Dr. Bernard and Ryna Langer Chair in General Surgery, for which the minimum $2 million dollar endowment goal was reached, and the Martin Barkin Chair in Urological Research. The Surgical Alumni Association encourages the establishment of endowed academic chairs in all divisions.

On behalf of the Surgical Alumni Association, we thank the Department of Surgery and its alumni for its support of this association in the past year, and look forward to serving you in the coming academic year.
Surgical Oncology at the University of Toronto continues to develop and flourish. In addition to significant impact in the management of cancer in Ontario, surgical oncologists at the University of Toronto continue to have an important role in educational and academic spheres. There has been significant recruitment of Fellowship trained surgical oncologists to all sites in the university system. Many disease site groups have been bolstered in this regard, guaranteeing that the future of surgical oncology in the multidisciplinary management of cancer patients, in leadership in cancer care, is assured. Development and expansion of Fellowship programs and increased interaction with Cancer Care Ontario, has signaled advances in education of new surgical oncologists and the improvement of cancer care throughout the province.

The University of Toronto General Surgery Surgical Oncology Fellowship, has expanded and is now a part of the Society of Surgical Oncology matching process. Membership in this prestigious society is a testament to the excellent leadership and hard work of Dr. Carol Swallow and an increasing cadre of surgical oncologists and the University Health Network, Mount Sinai Hospital and Sunnybrook & Women’s College Health Sciences Centre. Other Fellowship programs in Uro-oncology, Head and Neck oncology and Gynecologic oncology, continue to flourish and are increasingly responsible for the training of surgical oncologists in both Canada and the rest of the world.

Cancer Care Ontario has continued to assume a greater role in education and the monitoring of cancer quality, throughout the province of Ontario. Program activities including Cancer Surgery GTA Wait Times Assessment, the development of the Surgical Oncology Regional Cancer plan and the development of panels of Quality Indicators, are central to these efforts. University of Toronto surgical oncologists have played an important role in the development of these programs.

The development of a surgical oncology AFP has been a major initiative over the last year and will continue to be over the next few years. This will have a major impact on the clinical, educational and academic activity of surgical oncologists across the University of Toronto. In order to best promote the importance of academic issues and provide advocacy for university surgical oncologists, the University of Toronto Surgical Oncology umbrella committee has been redeveloped. This committee aims to focus the energies of the Departments of Surgery, Otolaryngology, Gynecology and Ophthalmology, to promote issues of universal importance.
Dr. Sender Herschorn, 
Director

Continuing professional development continues to be a major focus within the department. Most members participate actively in educational program of all descriptions. This year showed a resurgence of activity.

Three years ago the members of the department began recording their CPD activities in compliance with the Royal College of Physicians and Surgeons of Canada guidelines for accreditation. That guidelines require tracking all of the CPD activities for each year, is well known. Fellows are required to earn 400 credits during 5 years of active practice, by participating in educational activities of their choice. The first 5-year cycle extends from January 1, 2001 until December 31, 2005. Members are required to submit continuing professional development (CPD) hours from the previous year, by the January 31st deadline. Details of the program can be obtained from the following website: http://www.mainport.org/default.asp#. Each year a random sample of 3% of fellows, will be required to validate their self-reports of participation in educational activities.

The Documentation required for the different types of CPD activities are in the following table.

<table>
<thead>
<tr>
<th>Type of activity</th>
<th>Documentation required</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Section 1:</strong> Accredited group learning activities</td>
<td>Planning committee responsible will provide upon request written confirmation of attendance</td>
</tr>
<tr>
<td>Grand rounds, journal clubs, etc.</td>
<td></td>
</tr>
<tr>
<td>Meetings, conferences, workshops, etc. (inside or</td>
<td>Registration receipt or program schedule (dates and hours required)</td>
</tr>
<tr>
<td>outside of Canada)</td>
<td></td>
</tr>
<tr>
<td>Small group learning sessions</td>
<td>Designated responsible fellow to provide written confirmation, upon request, of attendance</td>
</tr>
<tr>
<td><strong>Section 2:</strong> Group learning and self-directed CPD</td>
<td>No documentation required</td>
</tr>
<tr>
<td><strong>Section 3:</strong> Accredited self-assessment programs</td>
<td>Written confirmation of completion by sponsor</td>
</tr>
<tr>
<td><strong>Section 4:</strong> Structured person learning projects</td>
<td>Physician must document the item, the stimulus, references, outcome of learning</td>
</tr>
<tr>
<td>Traineeships</td>
<td>(WebDiary fulfills requirements)</td>
</tr>
<tr>
<td>Preceptored courses, fellowships, Masters or PhD</td>
<td>Documentation showing evidence of course completion by sponsoring university or college</td>
</tr>
<tr>
<td>programs</td>
<td></td>
</tr>
<tr>
<td><strong>Section 5:</strong> Practice review and appraisal</td>
<td>Audit proposal forms; date of completion; outcomes for practice; description of</td>
</tr>
<tr>
<td></td>
<td>participation of physician in developing the audit; summary of findings</td>
</tr>
<tr>
<td><strong>Section 6:</strong> Educational development, teaching, and</td>
<td>List of relevant activities</td>
</tr>
<tr>
<td>research</td>
<td></td>
</tr>
</tbody>
</table>
The RCPSC website home page contains a link to “Maintenance of Certification” page, that contains a link to Guidelines for CPD Providers. This contains information on accrediting programs, application forms and contact information for accredited providers.

All divisions held courses this year and there were 19 that were run by the University Continuing Education Department, an increase of 3 over last year. The list of the courses is in the following Table. Of note, is General Surgery that held its 43rd annual update. The Aesthetic Plastic Surgery Course has been given for 34 years. The Thoracic Surgery course, which was cancelled last year due to SARS, was given for the 30th year. The Vascular course has been given for 22 years and the Upper Extremity course, for 19 years. The Urology Update was 11 years old and continued to be one of the largest urology CE event, in Canada.

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Enrollment</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surgical Oncology</td>
<td>63</td>
<td>6.5</td>
</tr>
<tr>
<td>Burn Study Group</td>
<td>126</td>
<td>7</td>
</tr>
<tr>
<td>Cdn Society For Aesthetic Plastic Surgery</td>
<td>31</td>
<td>5.5</td>
</tr>
<tr>
<td>Intraoperative Monitoring In Neurosurgery</td>
<td>4</td>
<td>37</td>
</tr>
<tr>
<td>Kennedy Visiting Professor</td>
<td>45</td>
<td>10.5</td>
</tr>
<tr>
<td>Urology Update 2003</td>
<td>281</td>
<td>15.5</td>
</tr>
<tr>
<td>Breast Surgery Symposium</td>
<td>135</td>
<td>7</td>
</tr>
<tr>
<td>Upper Extremity Update</td>
<td>229</td>
<td>6.5</td>
</tr>
<tr>
<td>Update in General Surgery 2004</td>
<td>398</td>
<td>17.5</td>
</tr>
<tr>
<td>Foot and Ankle Symposium</td>
<td>200</td>
<td>11</td>
</tr>
<tr>
<td>Thoracic Surgery 2004</td>
<td>160</td>
<td>16</td>
</tr>
<tr>
<td>Vascular Imaging Toronto 2004</td>
<td>N/A</td>
<td>10.5</td>
</tr>
<tr>
<td>Pelvic Fracture Course</td>
<td>N/A</td>
<td>26</td>
</tr>
<tr>
<td>Hand Surgery</td>
<td>17</td>
<td>4.5</td>
</tr>
<tr>
<td>Aesthetic Plastic Surgery</td>
<td>166</td>
<td>13</td>
</tr>
<tr>
<td>Facial Rejuvenation</td>
<td>20</td>
<td>4.5</td>
</tr>
<tr>
<td>Cardiac &amp; Wilderness Medicine</td>
<td>45</td>
<td>22</td>
</tr>
<tr>
<td>International Surgery</td>
<td>N/A</td>
<td>10.5</td>
</tr>
<tr>
<td>Prostate Cancer</td>
<td>N/A</td>
<td>4.5</td>
</tr>
</tbody>
</table>

There were more than 1900 participants, up from 1200 last year. There was a total of 235 hours of courses given, an increase of 48 hours, or 26% more than last year.

The department continues to be a large provider of CPD courses, due to the skill and motivation of its members. Excellence in CE activity continues to have a positive impact on an individual’s annual performance review and in academic promotion. Teaching dossiers are reviewed and contribution to CE is considered an important facet of academic activity.
This will be my final report as Surgeon-in-Chief as I will have completed two five-year terms at the end of December this year. An external review was conducted in January by Dr. Douglas Cochrane, Vice President, Medical Affairs and Quality, Provincial Health Services Authority, British Columbia and Dr. Scott Adzick, Surgeon-in-Chief at the Children’s Hospital of Philadelphia. The reviewers noted that extramural research funding support had quadrupled over the past ten years and that our Alternate Funding Plan had embraced and supported academic excellence by emphasizing teaching and research, in addition to high-quality patient care. The reviewers’ assessment of the strengths and weaknesses of surgery at this hospital was very perceptive and they provided a number of helpful recommendations to guide the next Surgeon-in-Chief who should be appointed shortly.

The inability to develop space for research to keep up with our pace of hiring basic scientists and clinician scientists has been a major problem over the past several years. Fortunately, an arrangement has been made with the MARS project to lease and outfit four floors of space on College Street which should adequately address our deficiency of space until a master plan for redevelopment of our campus can be achieved.

The following have been promoted this year: Dr. Benjamin Alman, Division of Orthopaedic Surgery to Full Professor; Dr. David Fisher, Division of Plastic Surgery to Assistant Professor; Dr. Lori Burrows, Division of Urology to Associate Professor; Dr. Andrew Howard, Division of Orthopaedic Surgery to Associate Professor.

An external review of the Division of Orthopaedic Surgery was conducted in October of 2003 by Dr. Stephen Tredwell of the University of British Columbia. A search is underway for a replacement for Dr. Bill Cole who has enjoyed outstanding success as Division Head for the past twelve years. Bill’s recruitment of young academic surgeons to the Orthopaedic Division has made it one of the best in North America. An outstanding young surgeon scientist, Dr. Sevan Hopyan, will be joining the Division in January of next year.

Dr. Sigmund Ein, an internationally recognized paediatric general surgeon and a very popular member of our Surgical Department retired last December. A wonderfully humorous programme capped off a dinner held in his honour by his colleagues and attended by a large number of paediatric general surgeons from across Canada.

Our Neurosurgical Division continues to receive accolades for its academic productivity. Dr. James Rutka received the Grass Award from the American Association of Neurological Surgeons for his contributions to research in surgical neuroscience and Dr. Peter Dirks was named one of the top 40 Under 40 which is special recognition for people who have achieved early and have potential to be leaders in the future.

I have found my ten years as Surgeon-in-Chief to be very rewarding and wish great success for my successor, Dr. James Wright. The Hospital for Sick Children is a truly remarkable institution which receives unbelievably strong support from our local community and which attracts some of the best young paediatricians, surgeons and scientists from around the world. I am confident that with the current surgical staff there will be little reliance on past tradition but rather great enthusiasm for opportunity and discovery in the future.
DIVISION OF CARDIAC SURGERY
Dr. C. Caldarone - Associate Professor
Dr. J.G. Coles - Professor
Dr. G.S. Van Arsdell - Assistant Professor (Division Head)
Dr. W.G. Williams - Professor
Dr. C. Wittnich - Professor

PUBLICATIONS


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


Van Arsdell GS: Canadian Cardiovascular Congress, Toronto, Ontario, October 2003. Congenitally corrected transposition: can we change the tails of this disease? CPC A Meet the Experts Session.

Van Arsdell GS: American College of Cardiology: Adult Congenital Heart Disease Symposium, Skamania, WA, June 2004. 1.) Discussant: Redo Fontan surgeries. 2).How adult congenital heart disese practice changes approaches to pediatric cardiac surgery. 3) Longterm results and problems in adults: atrial versus arterial switch.


Van Arsdell GS: Cardiology in the Young, Institute of Child Health, London, UK, April 2004. 1). Perioperative management of Norwood stage 1. 2). Total anomalous pulmonary venous drainage: surgical repair and complications. 3).Tetralogy of Fallot: From DNA to the dilated right ventricle, can we change the tails of the disease?


Van Arsdell GS: Columbia University Medical Center Rounds, New York, NY, May 2004. Tetralogy of Fallot: From DNA to the dilated right ventricle, can we change the tails of the disease?

Van Arsdell GS: Cardiology in the Young, Institute of Child Health, London, UK, April 2004. Waterston Lecture: Tetralogy of Fallot: >From DNA to the dilated right ventricle, can we change the tails of the disease?

Van Arsdell GS: Society for Pediatric Radiology, Symposium on Pediatric Cardiovascular MR, Toronto, Ontario, October 2003. What the pediatric cardiac surgeon wants to know.


Williams WG: Adult Congenital Cardiopathology Center, Montreal Cardiology Institute, Montreal, Quebec, January 2004. 1). Hypertrophic obstructive cardiomyopathy: surgical perspectives. 2). Management of arrhythmias in adult congenital patients.


RESEARCH AND INVESTIGATIONS

Senior Investigator’s Name Appears in Italics

A training program in cardiovascular research: molecules to humans, heart failure to prevention (TACTICS). Peter Liu, 31 co-applicants incl Carin Wittnich: CIHR ($855,000 2002 - 2007).


Integrin-linked kinase (ILK) improves cardiomyocyte survival. Coles JG, Hannigan, Gregory: Canadian Institute of Health Research (CIHR) ($93,065 2002 - 2005).


HONOURS RECEIVED

Wittnich C: Awarded technical paper of the Year, American Association for Laboratory Animal Science, November 2003.

Wittnich C: member, John Charles Polanyi Prizes Selection Committee, Ontario Council on Graduate Studies (3 yr appointment), May 2004.

Wittnich C: Northrop Frye Divisional Award for the Cardiovascular Sciences Collaborative Program, University of Toronto, May 2004.

DIVISION OF GENERAL SURGERY
Dr. S.H. Ein - Associate Professor
Dr. A.H. Fecteau – Assistant Professor
Dr. J.T. Gerstle - Assistant Professor
Dr. J.C. Langer – Professor (Division Head)
Dr. P.C.W. Kim - Assistant Professor
Dr. P. Wales - Assistant Professor

PUBLICATIONS


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


Ein SH: Perinatal Intensive Care Nursing Program, George Brown City College - The Hospital for Sick Children, Toronto, Ontario, October 2003. 1). GI Anomalies. 2). Respiratory Anomalies & NEC.


Langer JC: Annual Regional Paediatric/GP Breakfast Rounds, Rouge Valley Health System, Scarborough, Ontario, June 2004. The acute abdomen: is it appendicitis?


RESEARCH AND INVESTIGATIONS

Senior Investigator’s Name Appears in Italics


A qualitative study comparing health care providers’, patients, and family perceptions, attitudes and beliefs about the risks of living liver donation. Fecteau, A, Grant D, Wright L, Ng V: Physician Services Incorporated Foundation ($64,000 2004 - 2006).


Molecular and Cellular Control of Cardiac Xenograft Rejection. Kim PCW: Heart and Stroke Foundation of Canada ($228,132 2001 - 2004).


Optimizing cyclosporine exposure in paediatric liver transplant patients by the use of c2 monitoring. Ng V, Fecteau a, Mouat S, Deluca E, Bossert A: Novartis Pharmaceuticals ($7,000 2003 - 2004).


The Effect of Intestinal Continuity on Circulating Levels of Glucagon-Like Peptide - 2 (GLP-2) in Children. Wales PW, Drucker DJ: University of Toronto, Faculty of Medicine, Dean’s Fund ($9,983 2004 - 2009).


HONOURS RECEIVED


Langer JC: Principles of Surgery Best Lecturer Award, University of Toronto, October 2003.


The Hospital for Sick Children

DIVISION OF NEUROSURGERY
Dr. M. Dennis - Professor
Dr. P.B. Dirks - Assistant Professor
Dr. J. Drake – Professor (Division Head)
Dr. R.P. Humphreys - Professor
Dr. A. Kulkarni - Assistant Professor
Dr. J.T. Rutka – Professor

PUBLICATIONS


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


Dirks PB: The Leukemia and Lymphoma Society (USA), Workshop: “Malignant Stem Cells in Leukemia and Solid Tumors”, Cambridge, Ontario, May 2004. CD133+ Human Brain Tumor Stem Cells are Brain Tumor Stem Cells in vitro and in vivo.

Dirks PB: Canadian Congress of neurological Sciences (Advances in Neuro-Oncology Course), Calgary, AB, June 2004. CNS Tumor Stem Cells.

Dirks PB: Cancer Stem Cells and the Regulation of Self Renewal Think Tank (NIH/NCI), Bethesda, MD, March 2004. Human Brain Tumor Stem Cells.


Humphreys RP: XVII Congresso Mexicano de Cirugia Neurologica, Monterey, Mexico, July 2003. (1) AVM in children. (2) Behaviour of cerebrl tumors in children. (3) Are AVMs the same in adults and children?


Rutka JT: 10th Anniversary b.r.a.i.n. child, Mississauga, Ontario, September 2003. 10th Annual Pediatric Brain Tumor Conference.


Rutka JT: Jacobson Lecture, State University of New York, Upstate Medical University, Syracuse, NY, March 2004. Malignant Gliomas and the Brain Microenvironment.


Rutka JT: 33rd Annual Visiting Kahn Professor, University of Michigan, Ann Arbor, MI, November 2003. Molecular Biology of Brain Tumors.


RESEARCH AND INVESTIGATIONS

Senior Investigator's Name Appears in Italics


Analysis of Stem Cells in Pediatric Brain Tumors. Peter Dirks: Hospital for Sick Children Foundation ($32,000 2002 - 2004).

Canadian Centre for Applied Cancer genetics. Malkin D, Rutka JT: Canada Foundation for Innovation ($2,175,000 2001 - 2005).


Determination of novel genes expressed by Paediatric Ependymomas. Rutka JT: B.r.a.i.n.child ($20,000 2003 - 2004).


Sonic hedgehog and WNT signaling blockade as a treatment for paediatric medulloblastoma. Rutka JT, Hawkins C: Katie’s Kids for the Cure (“Foundation”) ($150,000 2002 - 2004).

The Role of Gli 2 in Medulloblastoma. Rutka JT, Mainprize T: Pediatric Brain Tumor Foundation of the United States ($140,000 2002 - 2003).

The role of Glial Cells Missing in brain development and Cancer. Rutka, JT: B.r.a.i.n.child ($20,000 2003 - 2004).


Transcriptional Basis for the formation of isochromosome 17q in Medulloblastoma. Rutka JT: B.r.a.i.n.child ($20,000 2003 - 2004).

HONOURS RECEIVED


Drake J M: To Dr. Jay Riva-Cambrin, Resident, Surgeon Scientist Fellowship from Johnson and Johnson Medical Products, November 2003.

Humphreys RP: Alan R. Hudson Postgraduate Teaching Award. Division of Neurosurgery, University of Toronto, July 2003.


Rutka JT: The Ronald L. Bittner Lecturer at the 2004 AANS Annual meeting in Orlando, Florida May 1-6, May 2004.
DIVISION OF ORTHOPAEDIC SURGERY

Dr. B.A. Alman - Associate Professor
Dr. W.G. Cole – Professor (Division Head)
Dr. D.M. Hedden - Associate Professor
Dr. A. Howard – Assistant Professor
Dr. R.B. Salter - Professor
Dr. U.G. Narayanan - Assistant Professor
Dr. J.H. Wedge - Professor
Dr. J.G. Wright - Professor

PUBLICATIONS


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES

Alman BA: Pediatric Society of North America (POSNA), St. Louis, MO USA, March 2004. Are Simple Bone Cysts derived from vascular progenitors.


3). Malignant Bone Tumors in Children: Clues to Diagnosis and Management.

Alman BA: University of California at Davis, California, USA, March 2004. Developmental Biology in musculoskeletal pathology: from tumors to stem cells.


Alman BA: International Paediatric Orthopaedic Symposium, San Diego, CA, December 2003. 1). Genetics of skeletal dysplasias. 2). Tumors: Diagnosis and management.


Salter RB: University of Saskatchewan, Saskatchewan, Alberta, October 2003. Injuries involving the epiphyseal plate.

Salter RB: University of Montreal St. Justine Annual Orthopaedic Review Course, Montreal, March 2004. Legg perthes (basic research) and legg perthes’ disease (clinical applications) Guest Faculty.


RESEARCH AND INVESTIGATIONS

Senior Investigator’s Name Appears in Italics


Development and validation of a pediatric comorbidity index using administrative data. Tai D, Wright JG, Dick P, To T: Institute of Medical Science; Continuing Fellowship Award ($5,000 2003).


Development and validation of a pediatric comorbidity index using administrative data. Tai D, Wright JG, Dick P, To T: Restracomp; The Hospital for Sick Children ($14,000 2003 - 2005).


Fellowship Award. Dianne Groll, James G. Wright (supervisor): MRC ($33,000 1999 - 2004).


Interdisciplinary Health Research Team in Musculoskeletal Neoplasia: Please note this grant is divided into 4 programs and Dr. Alman is the Primary Investigator of 1 of these 4 programs, entitled; Developmental Pathways in Musculoskeletal Neoplasia. Bell RS, Alman BA, Andrusis I, Bramwell V, Davis A, Greenberg M, Hill R, Kandel R, Malkin D, Masri B, O’Sullivan B, Turcotte R, and Wunder J: Canadian Institutes of Health Research (CIHR) ($5,995,000 2001 - 2006).


Investigating physician bias as a possible explanation for gender disparity in the utilization of knee arthroplasty surgery. Wright JG, Coyte PC, Glazier RH, Hawker GA, Kreder HJ, Mahomed NN: Canadian Institute for Health Research ($100,000 2004).


Samuel Lunenfeld Summer Student Program. Smith T, Wright JG: The Hospital for Sick Children ($2,000 2003).


The chondrogenic potential for free skeletal muscle and grafts in the healing of major full thickness defects of articular cartilage under the stimulus of continuous passive motion: an experimental investigation in the rabbit. Salter RB, Alman B: Hospital for Sick Children Fund & Josie Walther Research Fund of the Hospital for Sick Children ($115,000 2001 - 2004).
The chondrogenic potential of autogenous skeletal muscle grafts in a full-thickness defect in the knee joint surface under the influence of continuous passive motion (CPM): An experimental investigation in the rabbit. Salter R, Alman B: Josie Walthan Research Fund ($30,000 2002 - 2004).


HONOURS RECEIVED

Hedden DM: Community Health Research Visiting Lecturer Grant from Alberta Heritage Foundation for Medical Research, November 2003.


Howard A: 2004 Pediatric Orthopaedic Society of North America Travelling Fellowship--Trauma Research (South America), October 2003.


Salter RB: A 1995 inductee of the Canadian Medical Hall of Fame, after completing two terms as a member of the Board of Directors, he was honored by being elected an honorary Director in perpetuity, June 2004.


Wedge JH: The Whittaker Memorial Cerebral Palsy Award, October 2003.
DIVISION OF PLASTIC SURGERY
Dr. H.M. Clarke - Professor
Dr. D.M. Fisher – Assistant Professor
Dr. C.R. Forrest - Associate Professor (Division Head)
Dr. J.H. Phillips - Assistant Professor
Dr. W.K. Lindsay - Professor
Dr. C.Y. Pang - Professor
Dr. R.M. Zuker - Professor

PUBLICATIONS

INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES
Clarke HM: American Society for Peripheral Nerve, Palm Springs, California, January 2004. Obstetrical brachial plexus palsy (with Dr. Peter Waters).
Fisher DM: Operation Smile, Belo Horizonte, Brazil, August 2003. Member of a team of volunteer plastic surgeons.
Fisher DM: Operation Smile, Laayoune, Morocco, April 2004. Member of a team of volunteer plastic surgeons.
Fisher DM: The University of Alberta Hospital, Edmonton, Alberta, November 2003. Visiting Professor: Cleft lip rhinoplasty.


Zuker: President’s Panel: 20th Anniversary of the American Society for Reconstructive Microsurgery, Palm Springs, California, January 2004. “As we were then and where we are now”.


Zuker: Invited Lecturer: University of Southern California, Los Angeles, California, October 2003. (1) Conjoined twins, (2) Hind quarter composite tissue allotransplantation.


Zuker: Visiting Professor: Pusan National University Hospital, Department of Plastic and Reconstructive Surgery, Pusan, Korea, November 2003. (1) Pediatric microsurgery, (2) Conjoined twins, (3) A potpourri of pediatric plastic surgery.

Zuker: Honoured Guest Lecturer: Facial Paralysis Symposium, Tel-Aviv Sourasky Medical Center, Tel-Aviv, Israel, April 2004. (1) What makes a smile, (2) Unilateral facial paralysis in children, (3) Bilateral facial paralysis - The Toronto experience (4) Challenges in facial paralysis reconstruction - Those met and those unmet.


Zuker: Instructor: American Society of Plastic Surgeons, 72nd Annual Scientific Meeting, San Diego, California, October 2003. The complete head and neck micro course.

RESEARCH AND INVESTIGATIONS

Senior Investigator’s Name Appears in Italics


Global protection of skeletal muscle against ischemic necrosis and vascular dysfunction by non-invasive remote ischemic preconditioning: efficacy and mechanism. Pang, CY, Forrest CR, Neligan PC: CIHR ($222,000 2003 - 2006).


Skin flap ischemia: pathophysiology and pharmacologic intervention. Pang CY, Neligan PC: Canadian Institutes of Health Research ($80,000 2001 - 2006).

HONOURS RECEIVED


Lindsay WK: Lifetime Achievement Award of the Canadian Society of Plastic Surgeons, June 2004.
DIVISION OF UROLOGY
Dr. D.J. Bagli - Assistant Professor
Dr. L.L. Burrows - Associate Professor
Dr. W. Farhat - Assistant Professor
Dr. J.L. Pippi-Salle - Assistant Professor
Dr. A.E. Khoury – Professor (Division Head)

PUBLICATIONS


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


Burrows LL: Department of Microbiology and Immunology, Queens University, London, Ontario, March 2004. Pseudomonas goes fishing: Studies of type IV pili.

Burrows LL: Department of Biological Sciences, University of Southern California, LA, California, April 2004. Pseudomonas goes fishing: Studies of type IV pili.


Khoury AE: University of Arkansas for Medical Sciences Department of Urology, Little Rock, Arkansas, October 2003. Penile reconstruction in hypospadias and epispadias. Posterior urethral valves and hydronephrosis.


Khoury AE: Department of Pediatric Urology, Krankenhaus der Barmherzige Schwestern, Linz, Austria, March 2004. Recent advances in Bladder Reconstruction.


RESEARCH AND INVESTIGATIONS

Senior Investigator’s Name Appears in Italics


Type IV pilus biogenesis in *Pseudomonas aeruginosa*. Howell PL, Burrows LL: *PENCE (Protein Engineering Centre of Excellence), New Ideas Program* ($40,000 2003 - 2004).


**HONOURS RECEIVED**

**Bagli, DJ:** Service Award- Society for Basic Urologic Research received at the Spring 2004 annual meeting in recognition of your tremendous efforts, valuable service and insight in structuring and expanding the SBUR website and maintaining its function at a professional level., May 2004.

**Burrows LL:** CIHR New Investigator Salary Award in the September 2003 competition. ($250,000 over 5yrs. July 2004-June 2009), April 2004.

**Farhat W:** The Hospital for Sick Children Humanitarian Nomination, March 2004.


**Khoury AE:** 1st prize for best basic science paper at the 2004 Robson Research Day for paper entitled “Comspite colonic-urothelial flap for bladder augmentation using cell spray technique” (Dr. Kourosh Afshar presented), April 2004.

**Khoury AE:** Robson Research Day Basic Science Award: 1st prize Kouros Afshar for “Composit Colonic-Urothelial Flap for Bladder Augmentation using Cell Spray Technique” (Dr. Antoine Khoury-supervisor), April 2004.
The Department of Surgery at Mount Sinai Hospital consists of three major divisions: General Surgery, Orthopaedic Surgery and Urology. Emphases within General Surgery are Colorectal Surgery including IBD and Oncology to include colorectal, breast sarcoma and retroperitoneal tumours and endocrine surgery including thyroid disease. Within Orthopaedics, Orthopaedics Oncology and Reconstructive Orthopaedics are the main foci. Within Urology, the development of the Murray Koffler Urologic Wellness Centre has in addition to a nationally recognized program in Andrology, has now furthered developed clinical research and prevention and biomarkers related to prostate cancer.

**General Surgery**

The Division of General Surgery is composed of the following members: Drs. Zane Cohen, Alexandra Easson, Steve Gallinger, Michael Goldberg, Robert Gryfe, Irving Koven, Helen MacRae, Andrea McCart, Robin McLeod, Irving Rosen, Saul Sidlofsky and Carol Swallow. Other members of the division who do part of the work at Mount Sinai Hospital and whose major appointments are at the University Health Network are Drs. Jaime Escallon, Wey Leong, Ian McGilvray and David McCready. Dr. Steve Gallinger does the majority of his Hepatobiliary clinical work at the University Health Network but maintains his entire basic research laboratory at the Samuel Lunenfeld Research Institute.

Drs. Alexandra Easson, Steve Gallinger, Rob Gryfe, Helen MacRae, Andrea McCart, Robin McLeod and Carol Swallow continue to hold peer-reviewed grants from NCI, NCIC, CIHR, PSI, Crohn’s and the Colitis Foundation of America, Ontario Cancer Research Network and the American Society of Colon and Rectal Surgeons Grants. In addition, the following have received new grants in the past year – Andrea McCart from the University of Toronto-Faculty of Medicine, Paul Johnson and Robin McLeod from PSI, Steve Gallinger from Ontario Cancer Research Network and the Westgarten Foundation. Robert Gryfe is the recipient of the Charles Hollenberg Translational Research Senior Fellow/Clinician Scientist Award from Eli Lilly Cancer Care Ontario and CIHR.

The following positions were held by members of the division:

Dr. Irving Rosen is on the Medical Advisory Board of Survivors of Thyroid Cancer and is Co-Editor of Thyroid Cancer. Steve Gallinger is the Chairman of the Clinical Panel of the Israel Cancer Research Fund and is on the Editorial Board of Current Surgery Clinical Gastroenterology and Hepatology. He is also in the Executive Committee of NCIC Clinical Trials Group – Gastrointestinal Diseases. Helen MacRae is Chair of the Continuing Professional Development Committee of the Canadian Association of General Surgeons and Alexandra Easson is a member of the Palliative Care Group of the American College of Surgeons.

Robin McLeod is a regent of the American College of Surgeons and Andrea McCart was a co-organizer of the Southern Ontario Gene Therapy Meeting for 2004.
The following awards were received:

Dr. Irving Rosen - the Recipient of the Named Lectureship – the Rasch-Rosen Lectureship in Endocrine Surgery. Dr. Norman Thompson was the inaugural lecturer in May 2003. Irving Rosen gave the first Annual Walter Patching Lecture. Dr. Steven Gallinger received the Lister Prize from the Department of Surgery in 2003. Dr. Zane Cohen received the Mentor Award from the American Society of Colon and Rectal Surgeons and was the inaugural Chairholder of the Bernard and Ryna Langer endowed chair in the Division of General Surgery. Dr. Robin McLeod was made an honorary fellow of the Royal College of Surgeons of Edinborough and received the May Cohen Female Mentor of the Year Award from the Canadian Medical Association. Dr. Stephen Kelly whose supervisor was Robin McLeod, won the Best Poster Award at the Canadian Surgery Forum.

**Orthopaedic Surgery**

*Honours and Distinctions*

Dr. David Backstein was appointed as the Director of the Surgical Clerkship Program for the University of Toronto and he also received the John Insoll Travelling Fellowship. Dr. Bob Bell was appointed as Chair of the Clinical Council of Cancer Care Ontario and the Regional Vice President for Cancer Care Ontario. He was appointed as the Head of the Orthopaedic Oncology Section of the Journal of Surgical Oncology. Dr. Erin Boynton received a Samson Award in recognition of her research.

*Research*

New grants received were by Dr. David Backstein who received three grants from PSI, Dean’s Excellence Fund and Zimmer Canada. His grant totalled closed to $49,000. Drs. Bob Bell and Jay Wunder received the Canadian Institutes of Health Research Grant from 2001-2005. Dr. Erin Boynton received an Arthritis Society Grant and Dr. Peter Ferguson a Dean’s Fund New Staff Grant and is the Co-Project Leader for a Network of Centres of Excellence Funding of AFM Net (advanced food and materials network). Dr. Allan Gross received a CIHR grant as did Jay Wunder. Overall, there were over 34 peer-reviewed publications from the Division of Orthopaedics Surgery at Mount Sinai Hospital.

*Courses Held*

There were two courses held this academic year, one on Minimally Invasive Surgery on the Hip and the other on Revision Arthroplasty of the Hip.

**Other Achievements**

Bob Bell was the Visiting Lecturer on five occasions, Allan Gross on 12 occasions and Jay Wunder on three occasions. There were 18 international visiting observer clinicalships to the division.

**Urology**

Significant changes have occurred within the Division of Urology over the past year. All of the clinical activities are now housed in the Murray Koffler Urologic Wellness Centre at Mount Sinai Hospital. This is an 8,400 square foot facility which became operational in January of 2003. A further donation from the Koffler Family has allowed us to expand the basic science research capacity. A total of 8,500 square feet of laboratory space is planned for an area adjacent to the clinical facility. This space should be completed in the 2004-2005 academic year. The clinical programs include male infertility. This is a nationally recognized collaborative clinical program, with pathology and laboratory medicine, radiology and reproductive biology. Trainees have included Urology residents as well as clinical fellows, the first of whom was trained in the centre and returned to an academic urology position, at the University of Rochester.

The Murray Koffler Urologic Wellness Centre is a centre of excellence for the Management of Sexual Dysfunction. This program is directed by Dr. Martin Buckspan and involved collaboration with registered sex counsellors offering the potential for a complete investigation and management of this condition, in one centre.

Prostatitis is a new clinical program and a program in prostate cancer which is in evolution. The goal will be to develop expertise in the areas of screening for cancer in the prostate, reduction of the risk to develop prostate cancer and the strategies to reduce the progression of the disease. This program is in collaboration with the Divisions of Urology at the University Health Network, Sunnybrook and Women’s College Health Science Centre and Mount Sinai Hospital, as well as the Department of Pathology and Lab Medicine.

*Research Activities*

Most of the research activities are in the area of male infertility. There are four ongoing peer-funded studies on Genetics of Male Infertility. These are supported by grants from NIH, PSI and CIHR. A total of eight papers from the basic science research area and six further clinical research papers, have been either published or submitted to peer-reviewed journals in this past year.
DIVISION OF GENERAL SURGERY
Dr. Z. Cohen - Professor
Dr. A.M. Easson - Lecturer
Dr. S. Gallinger - Professor
Dr. M.R. Goldberg - Associate Professor
Dr. R. Gryfe - Assistant Professor
Dr. I.H. Koven - Associate Professor
Dr. H.M. MacRae - Associate Professor
Dr. J.A. McCart - Assistant Professor
Dr. R.S. McLeod – Professor (Division Head)
Dr. I.B. Rosen - Professor
Dr. S. Sidlofsky - Assistant Professor
Dr. C.J. Swallow - Associate Professor

PUBLICATIONS

Asano T, Tomas D, Stern H, McLeod RS: Lack of awareness of publication of colorectal cancer screening clinical practice guidelines in Canada: April 2004:


Furlan JC, Rosen IB: Prognostic relevance of previous exposure to ionizing radiation in the management of well-differentiated thyroid cancer. Langenbeck’s Archives of Surgery: March 2004:


Poritz L, Gagliano AG, McLeod RS, MacRae H, Cohen Z.: Surgical management of cutaneous abdominal fistulae in crohn’s disease - a 17 year experience. International Journal of Colorectal Disease: May 2004:


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


Bapat BV: 8th World Congress on Advances in Oncology and 6th International Symposium on Molecular Medicine, Crete, Greece, October 2003. Molecular genetic and clinico-pathologic characteristics of mutator versus suppressor phenotypes of endometrial cancer.

Cohen Z: Tec de Monterrey University, Monterrey, Mexico, March 2004. 1).Familial Adenomatous Polyposis. 2). Udate in Inflammatory Bowel Disease Surgery.


Easson AM: American College of Surgeons (Symposium), Boston, Massachusetts, April 2004. Successful surgical palliation: How do we define it? How do we measure it?

Easson AM: Melanoma Rounds, Sunnybrook and Women’s College Hospital, Toronto, Ontario, December 2003. The role of sentinel lymph node biopsy in melanoma: current guidelines.


Gallinger S: 12th Surgical Oncology Symposium - Advances in Surgical Oncology - Tom Baker Cancer Centre, Calgary, Alberta, May 2004. Pancreas cancer- are we getting anywhere?


McLeod RS: Mexican Society of Colon and Rectal Surgery, Acapulco, Mexico, May 2004. (1) Evidence Based Surgery (2) Diagnosis and treatment of complications of the ileo-anal pouch.


McLeod RS: Grand Rounds - Loyola University, Chicago, Illinois, February 2004. (1) Teaching critical appraisal skills to residents and practicing surgeons (2) Surgery for ulcerative colitis.


McLeod RS: Lahey Clinic, Boston, Massachusetts, April 2004. Neil Swinton Visiting Professor (1) Risk of recurrent Crohn’s disease following surgery (2) Teaching critical appraisal skills to general surgery residents and practicing general surgeons.


McLeod RS: Dartmouth Medical School, Hanover, New Hampshire, August 2003. Teaching critical appraisal skills to practicing general surgeons and residents.


RESEARCH AND INVESTIGATIONS

Senior Investigator’s Name Appears in Italics


A program of inter-disciplinary and population-based studies of the determinants and impact of colorectal cancer-A genetic-epidemiological approach. McLaughlin, John, S. Gallinger, B. Bapat, M. Cotterchio and 15 others: Canadian Institutes of Health Research ($1,069,000 2001 - 2006).


Assessment of the relief of symptoms after the drainage of ascites: an evaluation of four questionnaires. Easson, AM, Bezjak A, Ross R: Dean’s Fund New Staff Award ($10,000 2003 - 2004).


Evaluation of vaccinia virus oncolysis in glioblastoma. *J. Andrea McCart: University of Toronto, Faculty of Medicine, Grant Miller Cancer Research Grant* ($19,126 2003 - 2008).

Fiberoptic ductoscopy of the breast for the management of nipple discharge. *Easson AM, Leung W, McCready D: Princess Margaret Hospital Breast Centre Women’s Committee* ($25,000 2003).


Preclinical assessment of vaccinia virus for functional tumour imaging. *McCart JA: University of Toronto, Faculty of Medicine, Dean’s Fund* ($9,997 2002 - 2007).


Tumor microsatellite instability as a molecular prognostic marker in colorectal cancer. *Gallinger, S: Premier’s Research Excellence Award* ($100,000 2000 - 2005).
HONOURS RECEIVED


McLeod RS: Best Poster Award, Canadian Association of General Surgeons, Canadian Surgical Forum (with Kelly S), September 2003.

DIVISION OF ORTHOPAEDIC SURGERY

Dr. D. Backstein - Assistant Professor
Dr. R.S. Bell - Professor of Surgery
Dr. E.L. Boynton - Assistant Professor
Dr. P.C. Ferguson - Assistant Professor
Dr. A.E. Gross – Professor (Division Head)
Dr. D. MacIntosh - Associate Professor
Dr. E.A. Silverstein - Assistant Professor
Dr. J.S. Wunder - Assistant Professor

PUBLICATIONS


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


Bell RS: Australian Sarcoma Group Meeting, Melbourne, Australia, October 2003.  Langerhan’s cell histiocytosis (Eosinophilic granuloma).


Gross AE: Zimmer Grand Rounds, Phoenix, Arizona, October 2003. Revision arthroplasty of the acetabulum with bone grafting (2) Revision arthroplasty of the femur with bone grafts (3) Classification of bone defects in revision arthroplasty of the hip.


Gross AE: Republic of China Orthopaedic Association Meeting, Taiwan, October 2003. The rationale and surgical technique for mini incision THA (2) Revision arthroplasty of the acetabulum and femur with restoration of bone stock.

Wunder JS: Grand Rounds - Rhode Island Hospital, Rhode Island, USA, October 2003. 1) Predicting Outcomes in Osteosarcoma. 2) Gene Expression Profiling for Sarcomas 3) Predicting the Clinical Behaviour of Osteosarcoma using Molecular Alterations.


RESEARCH AND INVESTIGATIONS

Senior Investigator's Name Appears in Italics


Hedgehog signaling in cartilaginous neoplasia: Implications for treatment. Jay S. Wunder, Benjamin A. Alman: Canadian Institutes of Health Research - CIHR x 5 years ($159,332 2003 - 2008).


The Role of Vision in Surgical Skill Acquisition. David Backstein, Adam Dubrowski: University of Toronto, Faculty of Medicine ($9,740 2003).


HONOURS RECEIVED

Backstein D: John Insall Travelling Knee Fellowship, October 2003.

Ferguson PC: Dean’s Fund New Staff Grant, “Investigation of the use of bone marrow stromal cells to enhance compromised surgical wound healing”, P Ferguson P.I., $10,000, January 2004.

Ferguson PC: Networks of Centres of Excellence funding of AFM Net, P Ferguson Co-Project leader with W.K. Wan (Department of Biomedical Engineering, UWO) “Therapeutic techniques to enhance wound healing in irradiated skin”, $106,000/yr, 2 years, December 2003.
DIVISION OF PLASTIC SURGERY
Dr. N.H. McKee - Professor

PUBLICATIONS


RESEARCH AND INVESTIGATIONS

Senior Investigator’s Name Appears in Italics


DIVISION OF UROLOGY
Dr. M.B. Buckspan - Associate Professor
Dr. K. Jarvi - Associate Professor (Division Head)
Dr. P.G. Klotz - Associate Professor
Dr. A. Zini - Assistant Professor

PUBLICATIONS


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


RESEARCH AND INVESTIGATIONS
Senior Investigator’s Name Appears in Italics

The past year has been both challenging and exciting for the Department of Surgery at St. Joseph’s Health Centre. The main challenge involved wrestling with budget issues while attempting to eliminate lengthened waiting lists created by the SARS epidemic. We were excited to receive Ministry of Health funding for the opening of two new operating rooms, which will result in a volume increase of approximately 20%. This gives us a tremendous opportunity to recruit new staff and provide current surgeons with adequate operating time.

Recently, St. Joseph’s completed a strategic planning process, which reaffirmed our vision to become the best community teaching hospital in Canada. The Department of Surgery will continue to focus on our post-graduate and under-graduate teaching programs. The Division of Orthopaedic Surgery will receive senior as well as junior residents, starting July 2004. The Service of General Surgery will begin to receive surgical oncology fellows on an ongoing basis.

Dr. Martin Roscoe became Head of the Service of Orthopaedic Surgery effective July 1, 2003.

Dr. A. Marcuzzi resigned as Head of the Service of Urology and has been replaced by Dr. Anthony McLean as the Interim Head.

Dr. Yaron Shargall joined the Division of Thoracic Surgery in March 2004. Yaron did his thoracic surgical training at the University of Toronto, after completing a residency in cardiothoracic surgery in Israel. Dr. Shargall’s main focus will be thoracic oncology. The addition of Dr. Shargall brings the Thoracic Division back to their full complement of three surgeons.

Looking to the future, we plan to continue to provide excellence in teaching and clinical surgery.
DIVISION OF ORTHOPAEDIC SURGERY
Dr. A. ElMaraghy - Lecturer
Dr. M. Kliman Lecturer
Dr. M. Roscoe - Lecturer (Division Head)
Dr. G. Vincent - Lecturer
Dr. M. Wood - Lecturer

DIVISION OF PLASTIC SURGERY
Dr. J.C. Fielding - Lecturer
Dr. L. Kasrai - Assistant Professor
Dr. R.J. Knowlton - Lecturer
Dr. Ronald H. Levine - Associate Professor (Division Head)

PUBLICATIONS

DIVISION OF THORACIC SURGERY
Dr. C. Compeau - Lecturer
Dr. E.H. Spratt - Associate Professor (Division Head)
Dr. Y. Shargall – Assistant Professor

PUBLICATIONS


DIVISION OF UROLOGY
Dr. A. Marcuzzi - Lecturer
Dr. J. H. Wait - Lecturer
Dr. A. McLean (Division Head)
Dr. U. Jain

DIVISION OF VASCULAR SURGERY
Dr. D. Szalay - Assistant Professor
Dr. D. Wooster - Associate Professor (Division Head)
This has been a year of recovery and further changes. Most of the fall was spent recovering from a spring and summer fraught with disruption in services. Just when we thought we could see the light at the end of the tunnel and were back on track, the city was plunged into darkness. After a stressful couple of weeks, full power was finally restored to the City. I offer my sincere thanks to the Surgeons and staff at St. Michael’s Hospital whose dedication to exemplary patient care and their spirit to help overcome the many difficult and trying challenges, we faced last year.

In the fall of 2003, the Province of Ontario and the City of Toronto both had political change, which could potentially have an impact on the delivery of Health Care in Ontario.

In November, through the generous donation of the Volunteer Association, the Ontario Ministry of Health and Long-Term Care, St. Michael’s Hospital opened a roof-top Helipad. An elevator for direct access from the Helipad to the Trauma Unit and operating room was also added. Critically ill patients can be transferred by Air Ambulance to St. Michael’s Hospital, efficiently.

Most recently, the hospital board of Directors approved the new Strategic Plan – “Reaching New Heights.” It has greater focus and emphasis on the environment, culture, and spirit that are part of St. Michael’s Hospital. Meeting the patient needs of an inner city hospital, as well as having the distinction of being designated, as the downtown Trauma Centre requires a dual focus. It also identifies areas of potential development in trauma and other surgical specialties, especially vascular surgery.

Division Highlights

In the Division of Urology they were successful in securing an $800,000 grant from the Ministry of Health and Long Term Care to build a new MIS Suite for donor Nephrectomy.

Dr. John Honey, Division Head of Urology, was the Scientific Chair at the 2003 World Congress of Endourology in September. He was the senior author of Best Paper at this conference. He also started a two-year accredited basic science and Clinical Fellowship in Endourology and Laparoscopy.

Dr. Robert Stewart received the 2004 Clarice Chalmers Award for Teaching, as well as the Fitzgerald Academy undergraduate teaching award.
Dr. Kenneth Pace became the 2004 Outstanding Teacher of the Art and Science of Clinical Medicine. He also coordinated the 2004 Phase 2 surgical OSCE. He received a $40K CUA Scholarship and received the Dean's Fund for New Faculty Award ($15K).

In the Division of Cardiovascular Surgery - Terrance Donnelly Day was once again a great success.

Dr. David Latter is the Chief Examiner for Royal College of Physicians and Surgeon for the Cardiovascular Surgery Candidates.

Drs. Lee Errett and Yves Leclerc set up a Heart Program in China, Trinidad and the Dominican Republic.

Division of Plastic Surgery Our Wound Care Program Workshop was well-attended. Dr. Melinda Musgrave will be joining the Division this year.

**Division of General Surgery**

Under the Leadership of Dr. Jarley Koo, this spring, we saw the Opening of the CIBC Breast Centre, a lifelong dream of Dr. Leo Mahoney, who dedicated his career to improving health care for women.

Dr. John Bohnen received the Fitzgerald Academy Teaching Award

Dr. Najma Ahmed received Fitzgerald Academy Teaching Award for her PBL Teaching

Dr. Jameel Ali was awarded the Trauma Achievement Award for 2004 by the ACS Committee on Trauma for meritorious service. This award is an annual award to a trauma surgeon selected from among trauma surgeons in United States, Canada and the international community, involved in the ACS trauma-related activities.

Drs. Ali and Ahmed also brought the ATOM course (Advanced Trauma Management) to St. Michael’s Hospital. This was a University of Toronto event in conjunction with Sunnybrook & Women’s College Health Science Centre. We were the first centre in Canada to host this course.

Dr. C. Schlachta was course coordinator for the Postgraduate Course on Advanced Laparoscopic Surgery at the Canadian Surgery Forum in Vancouver, Sept 2003. This course involved live telesurgery demonstrations from three hospitals across the country. Saint Michael’s Hospital was one of those.

The Division of Orthopaedic Surgery.

Dr. Timothy Daniels has been promoted to the rank of Associate Professor.

At the recent American Academy Orthopaedic Surgery, Dr. Mike McKee won the Edwin Bovill Award for the best Orthopaedic Trauma paper entitled, “Previously Unrecognized Deficits After Non-Operative Treatment Of Displaced, Mid-Shaft Fracture Of The Clavicle Detected By Patient-Based Outcome Measure And Objective Muscle Strength Testing.”

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DIVISION OF CARDIAC SURGERY
Dr. D. Bonneau - Associate Professor
Dr. L.E. Errett - Associate Professor (Division Head)
Dr. D.A. Latter - Associate Professor
Dr. Y. LeClerc - Assistant Professor
Dr. J.K.Y. Yao - Assistant Professor

PUBLICATIONS


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES

Errett LE: Bayer Inc., Orford, Quebec, September 2003. The 4th Annual Cardiac Team Meeting. 1). Mechanical considerations for managing the failing heart. Panel and case study interactive moderator. 2). Forgotten Principles: Nutrition - is the patient medically optimized?

RESEARCH AND INVESTIGATIONS

Senior Investigator’s Name Appears in Italics


DIVISION OF GENERAL SURGERY
Dr. N. Ahmed - Assistant Professor
Dr. J. Ali - Professor
Dr. J.M.A. Bohnen - Associate Professor
Dr. M.J. Burnstein - Associate Professor
Dr. J. Koo - Associate Professor
Dr. J. Mamazza - Assistant Professor
Dr. R.A. Mustard - Assistant Professor
Dr. C.M. Schlachta - Assistant Professor (Division Head)

PUBLICATIONS


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES
Ahmed N: Humber River Regional Hospital, Toronto, Ontario, January 2004. Trauma in the City - Cardiac and Thoracic Trauma.

Bohnen JMA: Surgical Oncology Network Symposium, Toronto, Ontario, October 2003. How do you measure the quality of surgical care?


Burnstein MJ: ASCRS Annual Meeting, Dallas, Texas, May 2004. Meet the Professor Breakfast: Anal Fissures: Paste, Botox or LIS.

Burnstein MJ: Update on Liver and Inflammatory Bowel Diseases, Cancun, Mexico, April 2004. Role of the Surgeon in the Management of Anal Crohn’s Disease.


Schlachta CM: Canadian Surgery Forum, Vancouver, British Columbia, September 2003. Laparoscopic Pearls: From basic physiology to what to do if...

Schlachta CM: 9th World Congress of Endoscopic Surgery, Cancun, Mexico, February 2004. Session moderator: Colorectal surgery video session.


RESEARCH AND INVESTIGATIONS

Senior Investigator’s Name Appears in Italics

A multi-centre, randomised, double-blind, parallel group, placebo controlled trail to evaluate the efficacy and safety of activated recombinant factor VII (rFVIIa/Novo-seven/Niastase) in the treatment of bleeding in severely injured trauma patients. Mazer D: (principal investigator), Ahmed N, Dr. Baker A, Chen R: Novo-Nordisk: Trial ID; F7Trauma - 2159 ($1,000 2003).


A Proposal to test a prototype US scanner for high resolution 3-D halographic breast imaging in patients who are undergoing stereotactic breast biopsy procedures. Dr. J. Koo: MediPattern Corporation, Toronto ($1,500 2003).


NCIC-CTG MA.17: A phase III randomized double blind study of letrozole versus placebo in women with primary breast cancer completing five or more years of adjuvant tamoxifen. Haq R, Koo J: NCIC ($15,000 2003).

NSABP B-30: A three arm randomized trial to compare adjuvant adriamycin and cyclophosphamide followed by taxotere; adriamycin and taxotere; and adriamycin, taxotere and cyclophosphamide in breast cancer patients with positive axillary lymph nodes. Dr. R. Haq, Dr. J. Koo: NSABP ($67,767 2003).


STAR (Study of Tamoxifen and Raloxifene) in the prevention of breast cancer. J. Koo, L. Mahoney, General Surgery R. Haq, Oncology: NSABP (National Surgical Adjuvant Breast & Bowel Project) NCI (National Cancer Institute ($500,000 1999 - 2004).


HONOURS RECEIVED

Ahmed N: A $10,000 research award from the Research Institute at SMH to support a project entitled: “A comparative analysis of trauma systems: Canadian and Israeli”. Dr. Ron Greenberg an Israeli General Surgeon will assist in this project as research fellow beginning in May/04., January 2004.

Ahmed N: Dean’s education fund - An $11,000 educational grant to fund the annual advanced trauma operative management course (ATOM) at SMH., December 2003.


Bohnen JMA: Outstanding Clinical Teacher, Fitzgerald Academy, May 2004.

Mustard R: Tutor Award Undergraduate Teaching, PBL, FitzGerald Academy, December 2003.
DIVISION OF NEUROSURGERY
Dr. M.D. Cusimano - Assistant Professor
Dr. R.J. Moulton - Associate Professor (Division Head)
Dr. P.J. Muller - Professor
Dr. R.G. Perrin - Associate Professor
Dr. H.S. Smyth - Assistant Professor
Dr. W.S. Tucker - Associate Professor

PUBLICATIONS


Isaac, D; Cusimano, MD; Mansfield E; Chipman, M; Sherman, A: Child Safety Education and the World Wide Web: An Evaluation of the Content and Quality of Online Resources. Injury Prevention: January 2004: 10: pp 59-61.


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


Cusimano MD: CBC Radio’s As it Happens, Toronto, Ontario, July 2003. Radio Interview with Alison Masemann.


Cusimano MD: EACA & AACA 1st Joint Meeting, Graz, Austria, July 2003. Teaching Video of the Orbito-zygomatic approach.


RESEARCH AND INVESTIGATIONS

"A clinical trial for the optimization and evaluation of ala fluorescene detection of malignant supratentorial gliomas". Paul Muller (Department of Surgery), Lothar Lilge(Department of Medical Genetics and Microbiology) Brian Wilson(Department of Medical Genetics and Microbiology): Canadian Institutes of Health Research ($68,563 2003 - 2004).

"Pre-clinical development, optimization and evaluation of fluorescene-guided resection and acute-and metronomic-photodynamic therapy as therapeutic options in malignant brain tumours. Brian Wilson (Department of Medical Biophysics), Lothar Lilge (Department of Medical Biophysics) Paul Muller (Department of Surgery): Canadian Institutes of Health Research ($147,356 2003 - 2004).


Using geographic information system (GIS) technology for injury prevention research and control. Cusimano, MD, Arena, KE; Chipman, ML; Glazier, RH; Grant, VM, Johnson, IL, Jones, KG, Lea, AC: Canadian Institute of Health Research ($74,844 2004 - 2007).

HONOURS RECEIVED

DIVISION OF ORTHOPAEDIC SURGERY
Dr. E.R. Bogoch - Professor
Dr. T.R. Daniels - Assistant Professor
Dr. D.E. Hastings - Professor
Dr. M.D. McKee - Assistant Professor
Dr. E.H. Schemitsch - Professor (Division Head)
Dr. J.P. Waddell - Professor

PUBLICATIONS


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


Daniels TR: COA - Instructional course lecture, Winnipeg, Manitoba, October 2003. 1) Arthroscopic debridement and mosaicplasty of talo-osteocondral lesions; 2) Moderator for “Ankle Arthritis”.


Daniels TR: Wound healing and skin ulcer prevention program, St. Michael’s Hospital, Toronto, Ontario, September 2003. Managing complex wounds in an acute care setting: 1) “When the shoe doesn’t fit” - see the high risk foot team; 2) Panel and Case studies presentation.


Schemitsch EH: Masters Fracture Forum, Dana Point, California, April 2004. 1. High energy proximal tibial fractures.


Schemitsch EH: Collins Day Visiting Professor, Department of Surgery, University of Ottawa., Ottawa, Ontario, May 2004. 1. Lecture: Basic Science Research. It all starts with the model.


RESEARCH AND INVESTIGATIONS

Senior Investigator’s Name Appears in Italic

A multicenter prospective randomized trial of conservative treatment vs. operative plate fixation for displaced fractures of the clavicular shaft. McKee MD, Schemitsch EH: Canadian Orthopaedic Trauma Society: Orthopaedic Trauma Association ($30,000 2001 - 2003).


The effect of low pressure lavage with various irrigating solutions on contaminated tibiae. "Schemitsch EH, Bhandari M: University of Toronto Research Committee ($10,000 2002 - 2003).

Trial to re-evaluate ultrasound in the treatment of tibial fractures. "Guyatt G, Bhandari M, Busse J, Schemitsch EH, Sanders D: Canadian Institutes of Health Research ($72,683 2004 - 2006).


HONOURS RECEIVED


DIVISION OF PLASTIC SURGERY
Dr. L.G. Douglas - Assistant Professor
Dr. J.L. Mahoney - Associate Professor (Division Head)

PUBLICATIONS


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


RESEARCH AND INVESTIGATIONS

Senior Investigator’s Name Appears in Italics

A Randomized Controlled Multicentre trial of Vacuum Assisted Therapy in the Treatment of Binded Evaluation of Open Abdominal Wounds. Mahoney JL: KCI USA ($10,000 2003).

DIVISION OF UROLOGY

Dr. R.J.D. Honey - Associate Professor (Division Head)
Dr. A.G. Keresteci - Associate Professor
Dr. KT Pace - Assistant Professor
Dr. R.J. Stewart - Assistant Professor

PUBLICATIONS


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES

Pace KT: Canadian Urological Association, Whistler, British Columbia, June 2004. Laparoscopy: Minimally-invasive for patients, maximally expensive for providers?


RESEARCH AND INVESTIGATIONS

Senior Investigator’s Name Appears in Italics


Development and conduct of randomized trials in endourology and urologic laparoscopy. Pace KT: Canadian Urological Association Scholarship Fund ($40,000 2003 - 2004).


Impact of pneumoperitoneum on renal physiology: a rat model. Pace KT, Stewart RJ, Honey RJD, Hare G, Blew B: University of Toronto Dean’s Fund New Faculty Award ($10,000 2004 - 2005).


HONOURS RECEIVED

Pace KT: Canadian Urological Association Scholarship Fund scholarship winner, July 2003.


Pace KT: University of Toronto Dean’s Fund New Faculty Award, February 2004.

Stewart RJ: Clarice Chalmers Teaching Award St. Michael’s Hospital, September 2003.

Stewart RJ: Fitzgerald Academy Undergraduate Teaching Award, December 2003.
DIVISION OF VASCULAR SURGERY
Dr. F.M. Ameli - Associate Professor (Division Head)
Dr. A.G. Lossing - Associate Professor
Sunnybrook and Women’s College Health Sciences Centre continues to operate at three sites with many Department members, particularly in the Divisions of General Surgery, Plastic Surgery, Orthopaedic Surgery and Urology active at more than one site. The Department had an eventful and productive academic year.

New Staff

Dr. Frances Wright joined the Department on July 1, 2003 as a Surgeon – Investigator in the Division of General Surgery. Frances spent her first year concentrating on her studies towards a MEd from UTOISE, preparatory to initiating her practice in surgical oncology. Frances will have a clinical focus in breast cancer and colorectal cancer and a research focus in knowledge transfer. Vasundara Venkateswaran joined the Division of Urology, as a Scientist on September 1, 2003. Vasu was appointed Assistant Professor with a research interest in the area of prostate cancer prevention, working both independently and in collaboration with Dr. Laurence Klotz. Subsequent to her appointment, Vasu was awarded Dean’s Funding for a study of prostate carcinogenesis.

Appointments and Promotions

The Department received word during the year that four members would receive promotions as of July 1, 2004. Dr. Robert Cartotto was promoted to Associate Professor for the excellence of his research in the area of burn care. Dr. Joel Finkelstein was promoted to Associate Professor for the excellence of his research and creative professional activity in the field of liver surgery. Dr. George Christakis was promoted to Full Professor, for the excellence of his research and creative professional activity, in the field of valvular cardiac surgery. Each of the above members also demonstrated evidence of effective teaching in their chosen fields. Joel Fish was appointed as a Member of the Institute of Medical Science. Calvin Law was appointed as an Adjunct Scientist of the Institute of Clinical Evaluative Sciences. Dr. Robin Richards was appointed Vice Chair – Clinical of the Department and continued in his role as Chair of the Departmental Promotions Committee.

Educational Activity and Awards

Drs. Peter Chu and Ted Ross received the Undergraduate and Postgraduate Bruce Tovee Teaching Awards respectively, at the Gallie Dinner, bringing great honor to the Hospital. Dr. John Murnaghan served as President of the Association for Surgical Education. Drs. Ahmed Al-Jarri, Andrew Dueck, Chris Gallimore and Steve Singh received A.W. Harrison awards for excellence in teaching, at the Harrison Dinners held in December 2003 and June 2004, to recognize the contributions of the Residents and Fellows to the Department.

The 20th Annual Upper Extremity Update, co-chaired by Dr. Richards, was held on April 2, 2004. Drs. Axelrod, Binhammer, Midha, Holtby and Wright gave excellent presentations. Drs. Law, Hanna, Ross, Smith and Tremblay contributed to the 44th Annual Update in General Surgery. The 12th Pelvic and Acetabular Fracture Management Course, was held in May, under the leadership of Drs. Kreder, Stephen and Tile. Dr. Paul Marks was a traveling fellow of the American Orthopaedic Society for Sports Medicine and sat on its Council. Robert Nam organized the first TSRCC Prostate Cancer Centre Continuing Education meeting.

Research Activity and Awards
Funding in the amount of $12,648,477 was confirmed for the Advanced Regenerative Tissue Engineering Centre, under the Directorship of Dr. John Semple. Drs. Joel Fish and Raj Midha collaborate on this project which is a co-operative venture supported by Government, Industry and the Institution through the Ontario Research Development Challenge Fund.

Dr. Joel Fish was awarded a PSI Grant for his research study “Assessment of Burn Depth Using Near Infrared Technology”, a collaborative research project with the National Research Council in Winnipeg, Manitoba. Dr. Karen Cross, under the supervision of Joel Fish, received the 2004 Young Investigators’ award for her work “Determination of Burn Depth using Near Infrared Spectroscopy” at the Annual meeting of the Wound Healing Society.

Dr. Julia Haber, a medical student from Queen’s University, supervised by Dr. Rob Cartotto, received the Moyer Award of the American Burn Association for the best paper (“Late Outcomes in Adult Survivors of Toxic Epidermal Necrolysis Following Treatment in a Burn Centre”) presented at the Annual meeting held in Vancouver, British Columbia. This prestigious award had been received only once previously by a Canadian.

Dr. Cory Goldberg, supervised by Jeff Fialkov, won the Basic Science Research Prize at the Annual Meeting of the Canadian Society of Plastic Surgeons, held in Hamilton, Ontario, for his paper “Bone Engineering in a Rabbit Craniotomy Defect Using Biodegradable Scaffold”. Dr. Goldberg was also awarded the Basic Science Prize for this work, at the Annual Research Day for the Division of Plastic Surgery. Dr. Brent Howley, supervised by Drs. Mitch Brown and John Semple, received the Clinical Research Prize for his paper, “Tuberous Breast Deformity: A Reconstructive Strategy”.

Dr. Gideon Cohen received a Grant-in-Aid from the Heart and Stroke Foundation, for his project entitled “Left ventricular mass regression following aortic valve replacement with stentless versus stented valves: Follow-up of a randomized trial” and served on the Hospital’s Research Ethics Board. Dr. Steve Freames received PSI Funding for a randomized placebo controlled trial of a renal protective agent, following cardiopulmonary bypass and a project on intraoperative patency assessment of vascular anastomoses. Dr. Timothy Davies, supervised by Dr. Robert Nam, won the University Division of Urology Resident Basic Science Awards for his project “HOGG1 Gene Enhances Screen-Detected Prostate Cancer”. Drs. Ahmed Haddad and Arthur Grabowski, supervised by Laurence Klotz and Robert Nam, respectively, received Honorable mention. Robert Nam’s CUA Young Investigator Award was renewed. Dr. Nam also was awarded NCIC funding in addition to two other research grants.

Dr. Fred Brenneman received an award from the Department of National Defense Research Program, in Quality of Life for his project “Causes of death in active duty Canadian Forces personnel”. Dr. Cari Whyne was awarded a Canadian Breast Cancer Research Initiative Grant for her project “A prospective study of biomechanically-based guidelines in metastatic burst fracture risk prediction”. Vasundara Venkateswaran received Dean’s Funding for her project of inhibition of prostate carcinogenesis. Dr. Laurence Klotz continued his funded research in the field of prostate cancer, continued to edit the Canadian Journal of Urology and led National and International genitourinary oncology research organizations. Dr. Klotz gave the American Urological Association address to the plenary session of the annual meeting of the European Urological Association in Vienna, Austria, the first non-American to be so honored.

Drs. Lavina Lickley and Claire Holloway continued their nationally-funded breast cancer research and Frances Wright received a Canadian Breast Cancer Foundation Grant for her project, “Is Clinical Breast Examination, Mammography or Magnetic Resonance Imaging the Best Method for Assessing Residual Disease after Neo-Adjuvant Therapy in Women with Locally Advanced Breast Cancer?”. Drs. Andy Smith and Calvin Law continued their work funded by the Ontario Cancer Research Network and the Change Foundation, to improve the colon cancer staging through a multimodal knowledge translation program. Dr. Calvin Law continued his population-based study of the outcomes of transanal resection for rectal cancer.

Other Awards and Activity
The Foundation and Hospital Boards confirmed funding for a Marvin Tile Chair in Orthopaedic Surgery, to support orthopaedic surgery in recognition of Dr. Tile’s leadership at Sunnybrook and Women’s College Health Sciences Centre and the Faculty of Medicine, University of Toronto, and his invaluable contributions to orthopaedic surgery and health care, over the past 40 years.

Dr. David Stephen continued in his role as Chief Examiner of Orthopaedic Surgery for the Royal College of Physicians and Surgeons of Canada. Dr. Sender Herschorn was elected as a delegate of the Canadian Urology Association, to the Societe International d’Urologie. Dr. Robin Richards was elected Secretary-Treasurer of the American Shoulder and Elbow Surgeon, for a three-year term. Marvin Tile awards for outstanding contributions to the Department were awarded to Dr. Sherif Hanna, for his outstanding leadership of the Division of General Surgery over eleven years and to Dr. John Semple, for his vision and leadership in developing the ARTEC Initiative, described above.

Drs. Massey Beveridge and Peter Chu remained active in International Surgery. Dr. Beveridge organized a highly successful Bethune Round Table on International Surgery in May. This meeting was held in conjunction with the 2nd Annual Global Health Research Conference and Gallie Day. A Dr. Norman Bethune Surgical Research Fund is being developed to provide grants for surgeons in developing countries to conduct urgent needs-driven research projects. The British Medical Journal published an article on the Ptolemy project, providing a new model for electronic access to medical literature for doctors in developing countries, with Dr. Beveridge as lead author.

The Ross Tilley Burn Centre celebrated its 20th anniversary on April 23, 2004. A video telemedicine consultative service with the burn surgeons, was developed in collaboration with the NORTH Network and CritiCall with the support of Hydro One. Staff from the Burn Centre made ten presentations at the Annual Meeting of the American Burn Association and hosted a meeting of the Eastern Great Lakes Burn Study Group. Dr. Joel Fish gave the Fraser Gurd Lecture, at the Trauma Association of Canada in April.

Drs. Fred Brenneman, John Cameron and Sherif Hanna, continued their leadership in the Institution of Trauma, Musculoskeletal and Surgical Oncology Programs, respectively. Dr. Richard Holtby served as President of the Medical-Dental-Midwifery Staff Association. Drs. Hamilton-Hall, Robin Richards and Marvin Tile served on the Board of the Sunnybrook and Women’s Foundation, as plans were formulated for a major campaign to be announced in the fall of 2004.

The 3rd Edition of Dr. Tile’s book on Fractures of the Pelvis and Acetabulum was published and he was made an Honorary Member of the Hellenic and Israel Orthopaedic Associations. Dr. Bernard Goldman co-authored a book for patients having heart bypass surgery, providing information from diagnosis to recovery. Dr. Robert Nam co-wrote a similar book on prostate surgery. Dr. Gideon Cohen began performing a modified Maze procedure, a minimally invasive procedure to treat atrial fibrillation.

Dr. Joseph Schatzker retired from many years of outstanding surgical practice as of June 30, 2004. Dr. Schatzker will remain on staff in a non-surgical capacity. Dr. Marc Pelletier accepted a position at Stanford University as of January 1, 2004. Dr. Raj Midha was appointed Divisional Chairman, Neurosurgery, University of Calgary and Division Head, Neurosurgery at the Foothills Medical Centre in Calgary, Alberta. Dr. Geoff Fernie was appointed Vice President of Research at the Toronto Rehabilitation Institute. The Department congratulates each of these individuals and thanks them for their many contributions to the academic life of the Department.

**Conclusion**

As the academic year ended, the Department looked forward to the challenges lying ahead with newly elected Federal and Provincial Governments. Resources, recruitment and retention will require particular attention in order to maintain the fertile academic environment, that has developed at Sunnybrook and Women’s College Health Sciences Centre. The Department and the Institution look forward to capital redevelopment and the continued opportunity to play a major role in providing surgical services to patients in the Province, with clinical problems, relating to trauma, burns, cancer, cardiac, musculoskeletal and neural disorders and to the academic life of our University.
DIVISION OF CARDIAC SURGERY
Dr. G.T. Christakis - Associate Professor
Dr. G. Cohen - Assistant Professor
Dr. B.S. Goldman - Professor
Dr. S.E. Fremes – Professor (Division Head)
Dr. M.P. Pelletier - Assistant Professor

PUBLICATIONS


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


RESEARCH AND INVESTIGATIONS
Senior Investigator’s Name Appears in Italics
A multicenter, randomized, double-blind, placebo-controlled, parallel study of E5564, a lipid A antagonist in patients undergoing coronary artery bypass grafting and/or valve surgery with cardiopulmonary bypass. Freme SE, Nimesh D: Quintiles Canada Inc. ($100,000 2003 - 2004).

A Phase III Randomized Parallel, Double-Blind, Multi-Centre, Placebo-Controlled Study of the Effects of Pexelizumab on All-Cause Mortality and Myocardial Infarction in Patients Undergoing Coronary Artery Bypass Graft (CABG) Surgery With Cardiopulmonary Bypass. Freme, SE., Multi-Centre Collaboration: Proctor & Gamble (Quintiles) ($170,000 2002 - 2003).

A Randomized Placebo Controlled Trial of Intravenous N-Acetylcysteine (NAC) as a Renal Protective Agent for Prevention of Renal Dysfunction following Cardiopulmonary Bypass (CPB). Freme SE, Guru V, Naimark D: PSI Foundation Resident Research Grant ($18,000 2003 - 2004).
Blood Conservation Using Antifibrinolytics: A Randomized Trial in High Risk Cardiac Surgery -- The BART Trial. Hebert, PC, Multi-Centre Study Participants (including Fremes, SE): Canadian Institutes for Health Research ($1,000,000 2002 - 2005).

Canadian Cardiovascular Outcomes Research Team. Tu, J, Fremes SE: CIHR - Interdisciplinary health research team ($5,000,000 2001 - 2005).


Intraoperative Patency Assessment of Vascular Anastomoses. Pelletier MP, Desai ND, Fremes SE; Cohen GN; Christakis GT; Goldman BS; Pelletier MP: Physician Services Incorporated (PSI) ($158,000 2003 - 2004).

Multicentre Radial Artery Patency Study: 5 Year Results. Fremes, SE, Multi-Centre Radial Artery Study Participants: Canadian Institutes for Health Research ($1,000,000 2002 - 2006).


DIVISION OF GENERAL SURGERY
Dr. F.D. Brenneman - Assistant Professor
Dr. P.T. Chu - Assistant Professor
Dr. S.S. Hanna – Associate Professor
Dr. G.Y. Hiraki - Assistant Professor
Dr. C.M.B. Holloway - Assistant Professor
Dr. C.H.L. Law - Assistant Professor
Dr. L. Lickley - Professor
Dr. H.A.B. Miller - Associate Professor
Dr. S. Rizoli – Assistant Professor
Dr. T.M. Ross – Associate Professor
Dr. A. Smith  - Assistant Professor (Division Head)
Dr. G.A. Taylor - Associate Professor
Dr. L. Tremblay – Assistant Professor
Dr. F. Wright – Lecturer

PUBLICATIONS


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES

Brenneman FD: McGill FAST course, Montreal, Quebec, November 2003.  1. Introduction to FAST.  2. FAST Hands-on Workshop.


Smith A J: Markham-Stouffville Hospital, Markham, Ontario, March 2004.  Colon Cancer in Ontario: The critical interplay of Surgeons and Pathologists.


Smith A J: Ross Memorial Hospital, Lindsay, Ontario, May 2004.  Colon Cancer in Ontario: The critical interplay of Surgeons and Pathologists.


Smith A J: Ottawa General Hospital, Ottawa, Ontario, June 2004. Communities of Practice: Pre-Launch “Think Tank”.


RESEARCH AND INVESTIGATIONS

Senior Investigator’s Name Appears in Italics


Department of Critical Care Medicine Academic Enrichment Fund. *Dr. Lorraine Tremblay: Sunnybrook and Women's College Health Sciences Centre.* ($10,000 2002 - 2003).


Mechanisms of modulation of the host inflammatory and immune response by mechanical ventilation. Start-up funds. *Dr. Lorraine Tremblay: Sunnybrook and Women's College Health Sciences Centre* ($100,000 2002 - 2003).


Operating Funds. *Dr. Lorraine Tremblay: Sunnybrook and Women's College Health Sciences Centre, Department of General Surgery* ($60,000 2002 - 2006).

Operating Funds. *Dr. Lorraine Tremblay: Sunnybrook and Women’s College Health Sciences Centre, Centre Research Institute* ($70,000 2003 - 2005).


Quality Initiative in Rectal Cancer (QIRC) Trial. *Simunovic M*, Mark Levine, Charles Goldsmith, Timothy Whelan, Robin McLeod, George Browman, Hartley Stern, Robert Riddell, Andy Smith (Steering Committee); *CIHR* ($786,124 2001 - 2005).

Radiation Exposures From Diagnostic Imaging in Trauma Patients. *Dr. Homer Tien, Dr. Lorraine Tremblay, Co-investigator: Physicians Services Incorporated Foundation* ($21,000 2004 - 2005).


The role of angiogenesis in tumor cell invasion. *Lickley HLA, Seth A, Hanna WM, Catzavelos C; Bennett Family Foundation* ($250,000 2000 - 2005).

HONOURS RECEIVED


*Lickley L:* Marvin Tile Award, Sunnybrook and Women’s College Health Sciences Centre, December 2003.

*Smith A J:* American College Of Surgeons Oncology Group Regional Advocate Award, March 2004.
DIVISION OF NEUROSURGERY
Dr. M. Fazl - Assistant Professor
Dr. D.A. Houlden - Assistant Professor
Dr. R. Midha - Associate Professor
Dr. D.W. Rowed - Associate Professor
Dr. M.L. Schwartz – Professor (Division Head)
Dr. F. Pirouzmand – Assistant Professor

PUBLICATIONS

INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES
Midha R: CNS, Denver, Colorado, October 2003. 1). Exposure and surgery of the peripheral nerves. 2). Peripheral nerve surgery; “must knows” for the practicing neurosurgeon. 3). The management of uncommon peripheral nerve entrapment syndromes.

RESEARCH AND INVESTIGATIONS
Senior Investigator’s Name Appears in Italics
Quantitative magnetic resonance of tissue following trauma. Stanisz, GJ. Midha R: CIHR ($224,349 2002 - 2005).
Tissue engineering cell culture facility. Shoichet, MS, Midha, R; Sefton, MV and Tator CH: NSERC ($88,670 2002 - 2003).

HONOURS RECEIVED
Midha R: Hudon Teaching Award, Division of Neurosurgery, January 2004.
DIVISION OF ORTHOPAEDIC SURGERY

Dr. T.S. Axelrod - Associate Professor (Division Head)
Dr. H.U. Cameron - Associate Professor
Dr. J.C. Cameron – Assistant Professor
Dr. G.R. Fernie - Professor
Dr. J.A. Finkelstein - Associate Professor
Dr. M.H. Ford - Assistant Professor
Dr. J.D. Gollish - Assistant Professor
Dr. H. Hall - Professor
Dr. R.M. Holtby - Assistant Professor
Dr. G.A. Hunter – Professor
Dr. H.J. Kreder - Associate Professor
Dr. B. Maki - Professor
Dr. B. W. Malcolm - Assistant Professor
Dr. P.H. Marks - Assistant Professor
Dr. J.J. Murnaghan – Assistant Professor
Dr. R.R. Richards - Professor
Dr. J. Schatzker - Professor
Dr. D.G.S. Stephen - Assistant Professor
Dr. M. Tile - Professor
Dr. C. Whyne - Assistant Professor
Dr. C.S. Wright - Assistant Professor
Dr. A.J.M. Yee - Assistant Professor

PUBLICATIONS


Stephen, DJG: Preoperative embolization of renal cell metastatic lesions. Techniques in Orthopaedic Surgery: June 2004:


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


Cameron HU: Visiting Professor, Zhong Shan Hospital, Shanghai, China, April 2004. (1) Cementless total hip replacement, (2) Treatment of congenital hip dislocation.


Cameron HU: Visiting Professor, Ruijin University, Shanghai, China, April 2004. (1) Hip revision surgery without bone grafting, (2) Congenital hip dislocation.


Cameron HU: Visiting Professor, University of Tokyo, Tokyo, Japan, December 2003. (1) Hip revision surgery, (2) Congenital hip dislocation.

Cameron HU: Visiting Professor, Chang Zheng University, Shanghai, China, April 2004. (1) Hip revision surgery, (2) Treatment of the deformed femur.


Cameron HU: Visiting Professor, Huaxi Medical University, Chengdu, China, April 2004. (1) Surgical treatment of congenital hip dislocation, (2) Hip revision surgery without bone grafting, (3) Hip replacement in the deformed femur, (4) Cementless total hip replacement.

Cameron HU: Renji University, Shanghai, China, April 2004. (1) Surgical treatment of congenital dislocation of the hip, (2) Hip replacement in the deformed femur.


Hall H: CBI Health, The Importance of a Rapid Return to Work. In the following cities:


Hall H: Timmins and District Hospital, Timmins Ontario, November 2003. The Family Doctor’s Role in Return to Work.


Kreder HJ: Canadian Orthopaedic Association, Calgary, Alberta, June 2004. Instructional Course Lecture: Trauma; Fracture Rounds - Polytrauma.


Maki BE: Centre for Research on Aging, University of Sherbrooke, Sherbrooke, Quebec, Apr 2004. Why aren’t you falling? Control of rapid limb movements for balance recovery in young and older adults.


Maki BE: University of Philippines-Philippines General Hospital Medical Center, Philippines, May 2004. Comparison of One-leg Hop for Distance Scores in the ACL Deficient Population With Group of Healthy Controls.

**Marks PH:** Siriraj Hospital, Bangkok, Thailand, May 2004. Diagnosis of Recurrent Meniscal Tears: Prospective Evaluation of Conventional MR Imaging, Indirect MR Arthrography, and Direct MR Arthrography.


**Marks PH:** Tri-Service General Hospital, National Defence Medical Center, Taipei, Taiwan, May 2004. A) Evaluation of the Mitek BTB Cross Pin Device Versus Bioscrew for Femoral Fixation in ACL Reconstruction. B) Inflammatory Cytokine Profiles Correlate With the Degree of Chondrosis in the Chronic ACL Deficient Knee. B) The ACL Risk Equation: Does Reconstruction Prevent Degenerative Arthritis in the Knee?


**Marks PH:** Chulalongkorn Hospital, Bangkok, Thailand, May 2004. The ACL Risk Equation: Does Reconstruction Prevent Degenerative Arthritis in the Knee?

**Marks PH:** Philippine Orthopaedic Society for Sports Medicine, Pasig City, May 2004. The ACL Risk Equation: Does Reconstruction Prevent Degenerative Arthritis in the Knee?

**Marks PH:** 77th Annual Congress Japanese Orthopaedic Association, Kobe, Japan, May 2004. The ACL Risk Equation: Does Reconstruction Prevent Degenerative Arthritis in the Knee?

**Richards RR:** The Alpha Club, Mayan Riviera, Mexico, February 2004. (1) What’s New in My Practice, (2) Debridement of Rotator Cuff Tears in the Elderly, (3) Strategies for Faculty Recruitment and Retention (with D.W.C. Johnston).


**Richards RR:** Workplace Safety and Insurance Board, Toronto, Ontario, October 2003. Diagnosis, Management, and Prognosis of Multi-Directional Instability of the Shoulder.


**Richards RR:** Spine Society of Europe, Porto, Portugal, June 2004. Surgeons in Crisis - The Heart or the Mind?


**Stephen DGS:** Orthopaedic Trauma Association (OTA), Residents Course, Salt Lake City, Utah, October 2003. Lab Instructor on Pilon Fractures.

**Stephen DGS:** Orthopaedics for General Practitioners Course, Montreal, Quebec, January 2004. Lower extremity pediatrics.

**Stephen DGS:** Lower Extremity Trauma Update, Whistler, BC, February 2004. Percutaneous plaing: New wave or reality?

**Stephen DGS:** Canadian Orthopaedic Foot and Ankle Society 2nd Annual Specialty Day (during COA), Calgary, AB, June 2004. Predictors of outcome following subtalar arthrodesis.

**Stephen DGS:** Canadian Orthopaedic Association, Calgary, AB, June 2004. Reduction and internal fixation of posterior wall acetabular fractures. (Workshop).
Tile M: Israel Orthopaedic Association, Tel Aviv, Israel, October 2003. Presidential guest speaker.

RESEARCH AND INVESTIGATIONS


Activities following total knee arthroplasty - which are safe? Weller I, Gollish JD, Kreder H, Kennedy DM: Canadian Orthopedic Foundation ($20,000 2003 - 2004).


Lateral Compression Pelvic Injuries : To Fix or Not to Fix? Cari Whyne, Khoury A., Roth S., Bulmer B., Stephen D., Kreder H: University of Toronto Zimmer Unrestricted Funds ($10,000 2004 - 2005).


Photodynamic therapy for the treatment of metastatic breast carcinoma to the spine: Development and validation in a pre-clinical model. Albert Yee, MD, Joel A. Finkelstein, MD (Co-Investigator), Shane Burch, MD, S. Bisland, MD, B. Wilson, MD: Canadian Breast Cancer Foundation - Ontario Chapter ($300,000 2004 - 2007).

Prediction of burst fracture risk in the metastatic thoracic spine with finite element analysis. Whyne C: NSERC ($96,000 2001 - 2005).


Quality of life before and after below knee amputation for limb ischemia. Fairley, K, Murnaghan, J: Practice Based Research Sunnybrook and Women's College Health Sciences Centre ($7,506 2003 - 2004).


Risk Factors & Indicators that Predict the Progression of Osteoarthritis After Knee Injury. Marks PH, Hurtig M, White L, Weller I: CIHR - Net Grant (300, 000 x 5 years) ($300,000 2004 - 2009).

Senior Scientist career award. Maki BE: Canadian Institutes for Health Research ($350,000 1999 - 2004)


HONOURS RECEIVED

Yee AJM: Canadian Back Institute Award, 2002 Kennedy Visiting Professorship Day, Division of Orthopaedic Surgery, University of Toronto “PDT for the treatment of spinal metastasis; preclinical study” S. Burch, SK Bisland, A. Bogaards, CM Whyne, B Yang, AJM Yee, Joel Finkelstein, Brian Wilson, November 2003.


Holtyb RM, Lincoln S, Holtyb R, Razmjou H, Axelrod T: Comparison of Surgical Failure Between Work-Related and Non-Work Related Shoulder Pathologies. The Practice-Based Research Funds ($5,975.00), May 2004.


DIVISION OF PLASTIC SURGERY

Dr. O. Antonyshyn - Associate Professor
Dr. M. Beveridge - Assistant Professor
Dr. P. Binhammer - Lecturer
Dr. M.H. Brown - Assistant Professor
Dr. R.C. Cartotto - Associate Professor
Dr. A. J. Fialkov - Assistant Professor
Dr. J.S. Fish – Associate Professor
Dr. J.L. Semple – Associate Professor (Division Head)

PUBLICATIONS


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


Beveridge, M: Sunnybrook and Women’s College Health Sciences Centre Volunteer Association Annual Recognition Dinner, Toronto, Ontario, August 2003. The Road Less Traveled By.


Brown MH: Inamed Academy, Montreal, Quebec, May 2004. Course Director - Style 410 Cohesive Gel Breast Implants.


Fish JS: Swchsc Infection Control Rounds, toronto,ontario, April 2004. Burn Care for Infectious Disease.


Fish JS: North Network CME, Multiple sites in Ontario, Ontario, November 2003. Electrical Burns, Medical Implications.

Fish JS: Trauma Association of Canada, Mt Tremblant, Quebec, March 2004. Fraser Gurd Lecture.


RESEARCH AND INVESTIGATIONS

Senior Investigator’s Name Appears in Italics

Advanced Regenerative Tissue Engineering Centre (ARTEC). ARTEC program is based @ SWCHSC in partnership with University of Toronto & APOTEC Research Inc., Rimon Therapeutics, Elastin Specialties and matRegen. Multiple projects and PI’s from Engineering, Basic Science and Surgery receive funding. Funds also support new lab space at the Sunnybrook site, new hires and network development. Semple JL, Woodhouse K, Sefton M, Shoichet M, Dumont D, Midha R, Fish J: Ontario Research Development Challenge Fund (ORDCF) ($12,568,500 2003 - 2008).


Psychosocial functioning in women treated with mastectomy with or without breast reconstruction. JL Semple, K Metcalfe, C Holloway: Canadian Breast Cancer Foundation, Ontario Chapter ($183,168 2004 - 2007).


HONOURS RECEIVED

Beveridge, M: Best Surgical Teacher of the Year - 2003 (ROSE Rehabilitation Centre, Phnom Penh, Cambodia), November 2003.


Cartotto, RC: The Moyer Award, American Burn Association for research paper (awarded to Haber J, Supervisor: Cartotto RC), March 2004.

Fialkov JA: Basic Science Research Prize - Canadian Society of Plastic Surgeons. Dr. Cory Goldberg supervised by Dr. Fialkov, June 2004.

Fialkov JA: Visiting Professor Award - Dr. Cory Goldberg, resident supervised by Dr. Fialkov, June 2004.

Semple JL: Dr. Marvin Tile Distinguished Service Award for contributions to the Department, the Hospital & the University of Toronto, June 2004.
DIVISION OF UROLOGY

Dr. L.K. Carr - Assistant Professor
Dr. S. Herschorn – Professor
Dr. L.H. Klotz – Professor (Division Head)
Dr. R.K. Nam - Assistant Professor
Dr. V. Venkateswaran - Assistant Professor

PUBLICATIONS


Ingram J, Klotz L: Prostate cancer patients often over-treated. Medical Post: April 2004:


Sunnybrook and Women's College Health Sciences Centre
Klotz L, Zietman A, Dreicer R: Bridging the gap between Research and Patient Care. Prostate Cancer Update: June 2004: 3(2):


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


Herschorn S: Pfizer Canada; Centre for Studies in Primary Care, Queen’s University, Vancouver British Columbia, Sep 19, 2003 - Sep 20, 2003. Co-chair of Faculty Development Workshop for “A course for primary care physicians on recognition, diagnosis, and management of patients with overactive bladder” - Overview of overactive bladder.


Herschorn S: Dalhousie University Division of Urology, Halifax, Nova Scotia, Apr 13, 2004 - Apr 15, 2004. Visiting Professor, 1. Post radical prostatectomy incontinence and erectile dysfunction. 2. Female pelvic floor anatomy and pathophysiology of stress...
incontinence.


**Venkateswaran V:** Dept. of Urology, McGill University, Montreal, Quebec, November 2003. A Transgenic Model of Antioxidant Prostate Cancer Prevention.

**RESEARCH AND INVESTIGATIONS**

*Senior Investigator’s Name Appears in Italics*


Randomized controlled trial of Macroplastique versus Collagen in female stress urinary incontinence. *Herschorn S: Uroplasty, Minneapolis MN* ($50,000 50.0 - 2004)

Randomized trial of Pentosan Polysulfate in the treatment of patients with interstitial cystitis. *Herschorn S. Ortho McNeill* ($40,000 40.0 - 2005)


HONOURS RECEIVED

Carr LK: Division of Urology Faculty Post Graduate Teaching Award - Clinical, June 2004.
Klotz LH: Faculty Postgraduate Teaching Award, June 2004.
Klotz LH: Invited Guest Speaker, German Society of Urology, Marburg, Germany, October 2003.
Klotz LH: Visiting Professor, West Virginia School of Medicine, Morgantown West Virginia, January 2004.
Klotz LH: Visiting Professor, Division of Urology, University of Manitoba, Winnipeg, Manitoba, August 2003.
Klotz LH: Visiting Professor, University of Rochester, New York, November 2003.
Venkateswaran V: Award to attend the AUA summer research conference, August 2003.
DIVISION OF VASCULAR SURGERY
Dr. D.S. Kucey - Assistant Professor
Dr. R. Maggisano – Assistant Professor (Division Head)

PUBLICATIONS


RESEARCH AND INVESTIGATIONS
Senior Investigator’s Name Appears in Italics

The Surgical Department of the Toronto East General Hospital has 20 Active surgeons including 3 Urologists, 5 Orthopedic Surgeons, 8 General Surgeons [2 thoracic and 2 vascular], 4 Plastic Surgeons and one consulting Neurosurgeon Dr. Fred Gentili.

**General Surgery**
- Dr. P.E. Bernick – Assistant Professor
- Dr. V. Campbell – Lecturer
- Dr. T. Gilas – Assistant Professor
- Dr. R.L. Mackenzie - Assistant Professor
- Dr. C. Simone
- Dr. P. Sullivan – Assistant Professor
- Dr. W. Tanner - Lecturer
- Dr. R.A. Zeldin - Assistant Professor (Division Head)

**Orthopaedics**
- Dr. Mel Catre - Lecturer
- Dr. Bill Kraemer - Lecturer
- Dr. Gianni Maistrelli - Associate Professor, (Division Head), Medical Director
- Dr. Peter Weiler - Assistant Professor
- Dr. Paul Wong - Lecturer

**Plastic Surgery**
- Dr. Marc Dupere
- Dr. Harold Hall - Assistant Professor
- Dr. Atul Kesarwani - (Division Head)
- Dr. Laura Tate - Lecturer
  (Program Medical Director Surgical Services)

**Thoracic Surgery**
- Dr. Carmine Simone
- Dr. Rob Zeldin - Assistant Professor, (Division Head of General Surgery), Medical Director, Regional Chair
  Ontario Society Thoracic Surgeons

**Urology**
- Dr. John Kell
- Dr. Robert MacMillan - Assistant Professor
- Dr. Rajiv Singal – Lecturer (Division Head)

**Vascular Surgery (Under General Surgery)**
- Dr. Vern Campbell – Lecturer
- Dr. Wayne Tanner - Lecturer

**Changes**
Our department this year has grown with the addition of Dr. Carmine Simone, thoracic surgeon and intensivist. Dr. Simone and Dr. Rob Zeldin have been tightly involved in the process of taking our separate SICU and MICU units and amalgamating them into a closed combined unit model. This combined surgical and medical initiative as only been successful because of the common goals and professionalism that exists at our institution. We expect ongoing clinical trials and research to play an important role in the future of this unit. Dr. Simone is an excellent asset in this regard.
The Toronto East General Hospital has a new CEO this year Rob Devitt. Rob brings his expertise in government relations with him from Peterborough. Already he is involved with positioning the East General in today’s rapidly changing health care façade. Our strategic plan is complete and our facilities review is underway. We have enjoyed strong support from Rob in the last 6 months and anticipate a continued strong relationship.

Dr. Trevor Born, Plastic Surgeon resigned December 2003 to pursue a full time cosmetic practice and teaching responsibilities at the University of Toronto.

The Hay Benchmarking Study has reviewed the Department of Surgery this year as part of a hospital wide initiative. This review has sparked internal analysis and suggestions to improve efficiency and preserve quality care.

The Bayer Communication Course was rolled out to the surgeons as a Continuing Education initiative after an intense ‘train the trainer’ format that involved all specialties at TEGH.

Toronto East General was involved in the 2nd arm of the Cancer Care Ontario Waiting Time Study.

Appointments
Dr. John Kell was elected President of the Society of Urologic Surgeons of Ontario, July 1, 2004 for a 2 yr term

Promotions
Dr. Paul Bernick promoted to Assistant Professor, University of Toronto
Dr. Rajiv Singal promoted to Lecturer, University of Toronto
Dr. Mel Catre promoted to Lecturer, University of Toronto

Awards
Dr. Bill Kraemer was awarded the R.B. Salter Award for excellence in resident teaching as voted by the U of T orthopaedic residents.

Publications

Invited Presentations
L. Tate: Glassblowing 101, Canadian Society of Plastic Surgeons, Hamilton, May 2004
This year saw many challenges for Surgical Services, beginning with the resolution of the SARS crisis, and continuing with the opening of our new TGH OR’s, intensive AFP discussions, with the Ministry of Health, and the ever-present necessity of doing more with less! The commitments to complex clinical care, education and clinical and basic research, were evidenced in the seven program groupings, with surgical input into Heart and Circulation, Transplantation, Oncology and Blood Disorders, Neural and Sensory Sciences, Musculoskeletal Health and Arthritis, Advanced Medicine and Surgery and Community and Population Health. Educational results and awards and research productivity as measured by papers published, invited visits and grants held, reflected those commitments by our 70 surgeons.

In Cardiac Surgery, Tirone David became president this year of the American Association of Thoracic Surgery and partway through the year, was applauded as he placed the 20,000th Toronto porcine heart valve. He was also recently given the Antoine Marfan Award by the National Marfan’s Foundation, and was appointed a University Professor at University of Toronto.

In General Surgery, Drs. Ori Rotstein and John Marshall continued their outstanding contributions in research. Ori’s fellow, Dr. Rachel Khadaroo, won the prestigious 1st prize in the basic science section of the trauma residents’ papers competition. Dr. Mark Cattral was awarded a CIHR grant for his investigation of dendritic cells, and John for his studies of prolonged neutrophil survival in human sepsis. Dr. Michael Reedijk was given the James Ewings award for research, from the Society for Surgical Oncology, and a number of teaching awards were won by Dr. Paul Greig, (the Frank Mills award), and Drs. Mark Walsh and Peter Stoddard,( the Paddy Lewis resident teaching awards). Dr. Andras Kapus won a premier’s research excellence Award. Dr. Lorne Rotstein continued as program director for General Surgery. New recruits in addition to Dr. Michael Reedijk, were Drs. Ian McGilvray, Jaime Escallon and Wey Leong who have all strengthened the division tremendously in the fields of Transplantation and surgical oncology. As of July 1, Ori will be assuming the position of Surgeon-in-Chief, at St. Michael’s hospital.

In Neurosurgery, Dr. Michael Fehlings was awarded a number of grants and in addition to his position as director of the Krembil Neuroscience Program, was an effective teacher in winning an Anderson postgraduate prize. He was also given a North America Spine Society research grant and an award of merit in basic science, from the Heart and Stroke clinical update meeting. Dr. Charles Tator was inducted into the Terry Fox Hall of fame, recognizing his accomplishments, such as the establishment of “ think first Canada " and the prevention of spinal cord injuries. Dr. Mark Bernstein received his Masters of Health Science in bioethics, from the
University of Toronto in this last year and was also engaged in philanthropic work overseas, taking time to win an Anderson Award for longstanding contributions to teaching. Dr. Ab Guha continued his wonderful humanitarian work, with his efforts to establish a neuroscience Hospital in India. Dr. Chris Wallace, the Neurosurgery division head, became a member of the nominating committee of the World Federation of neurosurgical societies, and completed five years as director of the Toronto Western Research Institute. He also co-chaired an important report produced by the Toronto District Health Council on neurosurgical access. He also won an undergraduate Anderson teaching award. Dr. Fred Gentili was the 2003 Ross Fleming teaching Award winner and became our UHN director of surgical education. Dr. Andres Lozano won the Penfield lectureship Award, given by the Canadian neurosurgical society and delivered a large number of other invited lectureships as well. Finally, Dr. Michael Tymianski won the George Armstrong Peters award in the Department of Surgery and on December 26th, published a much heralded manuscript in “Cell” describing some studies that may have a significant effect on the future treatment of stroke. Dr. Taufik Valiante has joined the team with an interest in Epilepsy and movement disorders.

In Orthopedics, Dr. Nizar Mohammed led the MHA, group in his first year as the inaugural holder of the Smith and Nephew chair. He and Dr. Rod Davey continued their complex reconstructive surgery and the division was also supportive of athletic and artistic teams.

In Plastic Surgery, Dr. Ralph Manktelow maintained his unique facial paralysis program and in fact won a PSI grant for further studies. He also gave the founders lecture at the American Society for Reconstructive Microsurgery. Dr. Peter Neligan was elected to the Board of the North America Skull Base Society and the American Society for Reconstructive Microsurgery. Dr. Dimitri Anastakis remained one of our UHN educational experts and is now seeing his hard work in the field of Patient Education, coming to fruition. We also welcomed Dr. Linda Dvali who joined the Plastics division as a superbly trained Hand surgeon.

In Thoracic Surgery, Dr. Bob Ginsberg received posthumously, the R.J. Ginsberg postgraduate teaching award. Dr. Tom Waddell won a new investigator Award from the CIHR research personnel Award competition and also became the Chair of the Regenerative Medicine platform at UHN. Dr. Gail Darling won an undergraduate Education Award, from the Wightman-Berris Academy, and Dr. Griff Pearson became the first recipient of the American Association of Thoracic Surgery’s lifetime achievement award. Dr. Shaf Keshavjee was appointed Chair of the UofT Division of Thoracic Surgery and division head at University Health Network.

In Urology, Dr. Neil Fleshner was principal investigator on a number of important national and international trials and Dr. John Trachtenberg continued his exciting work in photodynamic therapy, honored last June by the Weismann Institute at a gala dinner. Dr. Mike Jewett was vice-president of the Canadian Urologic Association and maintained his long-standing interest in Urooncology. Mike also made invaluable contributions to the recent University of Toronto Department of Surgery planning process.

The Vascular Surgery division had a challenging year. Dr. Tom Lindsay became the University Chair, and Dr. Barry Rubin, the Division Head at University Health Network. At the same time, both secured grants with PSI and CIHR. Wayne Johnston finished his six-year term as the editor of The Journal of Vascular Surgery and chaired the merger committee of the two major American vascular societies. Wayne this year achieved, the marvellous record of 27 consecutive years of CIHR Funding for his research. Finally, Dr. Barry Rubin worked tirelessly in his role as chairman and CEO of the University Health Network/Mount Sinai Academic Medical Organization and also as the physician representative, to the provincial academic health sciences centers/MOH AFP negotiations.

We had a number of important promotions in July, 2003, when Drs. Terry Yau, Andre Krassioukov, Rod Davey, Nizar Mahomed and Dimitri Anastakis were all promoted to the rank of Associate Professor. As of July, 2004, Dr. David McCready, Mingyao Liu and Glen Regehr, were promoted to the level of Full Professor, and Drs. Tom Waddell and Viv Rao, to Associate Professor.

The announcement of three new endowed chairs from the DeGasperis family, now brings our total in Surgical Services to 19 a number critical to our retention and recruitment strategies, at University Health Network.
DIVISION OF CARDIAC SURGERY
Dr. M.A. Borger - Assistant Professor
Dr. S.J. Brister - Associate Professor
Dr. R.J. Cusimano - Assistant Professor
Dr. T.E. David - University Professor (Division Head)
Dr. C.M. Feindel - Professor
Dr. J. Ivanov - Assistant Professor
Dr. R. K. Li - Professor
Dr. A.C. Ralph-Edwards - Lecturer
Dr. V. Rao - Assistant Professor
Dr. H.E. Scully - Professor
Dr. R.D. Weisel - Professor
Dr. T.M. Yau - Associate Professor

PUBLICATIONS


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


Brister SJ: Canadian Cardiovascular Congress, Toronto, Ontario, October 2003. A). Co-Chair Scientific Session-Surgery II - Revascularization: Are we doing the best procedures. B). Co-chair Scientific Session. Surgery V. C) Endocarditis: What have we learned since Osler? We have come a long way since the days of Osler but do we have any more answers?

David TE: Symposium on surgery of the aortic root, Baiona, Spain, September 2003. (1) Toronto root bioprosthesis; (2) Aortic valve repair; (3) Personal experience with the Ross procedure.


David TE: Emory University Visiting Professor, Atlanta, Georgia, June 2004. Aortic valve repair for aortic valve insufficiency: Tailoring of the operation to the pathophysiology.


David TE: Cedars-Sinai Heart Center, Los Angeles, California, October 2003. Controversies in Adult Cardiac Surgery: (1) Complex aortic valve replacement; (2) Valve sparing aortic surgery.


David TE: German Heart Center Update on Aortic Surgery, Munich, Germany, June 2004. Surgical demonstration (AV Repair) and lecture on Hemodynamic aspects of different heart valve prostheses: Is complete supraannular positioning an alternative to stentless valves?

David TE: Aortic Symposium, Bergamo, Italy, April 2004. Surgical demonstration and lecture on AV Repair.

David TE: Postgraduate Course at University of Hamburg, Hamburg, Germany, October 2003. Surgical techniques for aortic valve reconstruction.


Feindel CM: St. Mary’s Hospital, Kitchener, Ontario, December 2003. Medical Legal Aspects of Blood Transfusion.


Li R-K: National Cheng Kung University, Taiwan, Taiwan, September 2003. 1. Cell transplantation for heart diseases. 2. Creation of a viable cardiac graft to repair congenital heart diseases (visiting professor).

Li R-K: 3rd Yonsei Biomedical Symposium, Seoul, Korea, February 2004. Cardiac regeneration: cells or matrix (invited speaker).


Rao V: 76th Scientific Sessions of the American Heart Association, Orlando, FL, November 2003. Case Presentations from the STICH experience at TGH.
Weisel RD: American College of Cardiology Heart Failure Summit, Toronto, Ontario, June 2004. Cardiac regeneration by cell transplantation.
Weisel RD: Medical University of South Carolina, Charleston, South Carolina, September 2003. Cell transplantation to prevent heart failure.
Weisel RD: Kyoto University Graduate School of Medicine, Kyoto, Japan, October 2003. Current status and future development of cell transplantation.
Yau TM: Sunnybrook & Women’s College Health Sciences Centre, Toronto, Ontario, March 2004. The SJM connector from endolethial function to clinical and angiographic follow-up.

**RESEARCH AND INVESTIGATIONS**

*Senior Investigator’s Name Appears in Italics*


Evaluation of Empiric Programming to Improve Patient Management. *Dr. D. Cameron, Dr. S. Brister, Dr. A. Ralph-Edwards, Dr. R.J. Cusimano: Medtronic, Inc (Total amount is $1,000.00 per patient)* ($1,000 2003).


Insulin cardioplegia for poor left ventricular function. *Yau TM, Weisel RD: Canadian Institutes of Health Research* ($70,192 2001 - 2003).


The PRIME (Perioperative Renal Insufficiency Management) Study: A randomised, double-blinded, placebo-controlled trial of N-Acetylcysteine for preventing renal injury after cardiac surgery. *Dr. S. Beattie, Dr. V. Rao, Dr. C. Chan, Dr. D. Wijeysunderan, *Dr. S. Brister (*Safety and Monitoring Committee): Heart & Stroke Foundation of Canada* ($202,040 2003 - 2005).


**HONOURS RECEIVED**

**Cusimano RJ**: The Sicilian Cultural Society of Canada Man of the Year, September 2003.


**Weisel RD**: Recognition Plaque by Japan Society for Transplantation, Osaka, Japan, October 2003.
DIVISION OF GENERAL SURGERY
Dr. M.S. Cattral - Associate Professor
Dr. D. Grant - Professor
Dr. R.M. Gorczynski - Professor
Dr. P.D. Greig - Professor
Dr. H.S. Himal - Associate Professor
Dr. A. Kapus - Associate Professor
Dr. B. Langer - Professor
Dr. W.L. Leong - Assistant Professor
Dr. J.C. Marshall - Professor
Dr. R.E. Mathews - Assistant Professor
Dr. J.A. McCart - Assistant Professor
Dr. D.R. McCready - Associate Professor
Dr. I.D. McGilvray - Assistant Professor
Dr. M. Reedijk - Assistant Professor
Dr. R.K. Reznick - Professor
Dr. L.E. Rotstein – Professor
Dr. O.D. Rotstein - Professor (Division Head)
Dr. B.R. Taylor – Professor
Dr. D. R. Urbach - Assistant Professor

PUBLICATIONS


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


Cattral MS: Medical Grand Rounds, Department of Medicine, Queens University, Kingston, Ontario, February 2004. Visiting Professor, Current Status of Pancreas Transplantation.


Marshall JC: 6th World Congress on Trauma, Shock, Inflammation, and Sepsis, Munich, Germany, March 2004. 1. ICU monitoring: The PIRO concept. 2. The time course of mediator production in gram positive infection. 3. Apoptosis in the lung in trauma and sepsis. 4. Surviving Sepsis Campaign guidelines: Source control. 5. Organ dysfunction as an outcome in sepsis. 6. TNF as a therapeutic target in sepsis.


Marshall JC: 16th Annual Congress; European Society of Intensive Care Medicine, Amsterdam, October 2003. 1. Post graduate course on systemic inflammation and sepsis: Predisposition and Co-morbidities. 2. Despite quality improvement programs, are we doing better? Multiple organ failure and sepsis. 3. Recovery after severe sepsis.


Reznick RK: Keynote Speaker, Plenary Session 3, Teaching and Learning in the Healthcare Professions, Association for Medical Education in Europe, Berne, Switzerland, September 2003. Born to be good, train to be great.

Reznick RK: Shanghai Second Medical University, Shanghai, China, January 2004. Born to be good, train to be great.

Reznick RK: University of Hong Kong, Hong Kong Surgical Forum, Hong Kong, January 2004. Halsted is Getting Old.

Reznick RK: University of Hong Kong, Hong Kong Surgical Forum, Hong Kong, January 2004. It is more than just what you say.


Reznick RK: Association of Surgeons of Great Britain and Ireland Annual Scientific Meeting, Harrogate, United Kingdom, April 2004. The times they are a ‘changin’: Where have I heard that before and why didn’t I listen?

Reznick RK: American College of Surgeons Blue Ribbon Committee of the American Surgical Association, Chicago, Illinois, January 2004. The times they are a ‘changin’: Where have I heard that before and why didn’t I listen?

Reznick RK: Oklahoma State University LeRoy Heinrichs Lectureship on Simulation in Surgical Education, Oklahoma City, Oklahoma, February 2004. The times they are a ‘changin’: Where have I heard that before and why didn’t I listen?

Reznick RK: Southern Illinois University Surgical Grand Rounds Visiting Professor, Springfield, Illinois, October 2003. The times they are a ‘changin’: Where have I heard that before and why didn’t I listen?

Reznick RK: Michigan State University Visiting Professor, East Lansing, Michigan, February 2004. Use of Simulation Technology in Resident Education.

RESEARCH AND INVESTIGATIONS

Senior Investigator’s Name Appears in Italics


A randomized, phase III clinical trial to compare sentinel node resection to conventional axillary dissection in clinically node-negative breast cancer patients. McCready DR, PMH Site Principal Investigator: National Surgical Adjuvant Breast and Bowel Project B-32 ($200,000 2001 - 2003).


Analysis of current research related to the impact of low volume procedures/surgery and care on outcomes of care. Urbach DR, Stukel TS: Canadian Institute for Health Information ($22,000 2004 - 2005).

Analysis of the Notch Signaling System in Human Breast Cancer. Michael Reedijk: James Ewing Oncology Fellowship Award for Basic Science Society of Surgical Oncology ($40,000 2004).


FK 778 Proof of concept study in liver transplantation (anticipated enrolment of 10 patients).  *Grant D (Senior Site Investigator), This is a multicenter European and Canadian trial: Fujisawa* ($160,000 2003 - 2004).


Genetic variation in breast cancer tumour.  *Leong WL, Woodgett, Susan Done: Terry Fox Program Grant* ($60,000 2003 - 2004).


Interaction of OX2 with its receptor controls organ rejection.  *Gorczynski R: Roche Research Foundation* ($300,000 2001 - 2004).


Preclinical assessment of vaccinia virus for functional tumour imaging. *McCart JA: University of Toronto, Faculty of Medicine, Dean’s Fund ($9,997 2002 - 2007).*


Protocol M67012 - Evaluation of Renal Function in Liver Transplant Recipients Receiving Daclizumab (Zenapax) and Mycophenolate Mofetil (Cellcept, MMF) and a Delayed Lower Dose of Tacrolimus vs. a Standard Dose Tacrolimus-based Regimen. *Greig, P: Hoffmann LaRoche ($184,000 2002 - 2003).*

Randomized trial of post-mastectomy radiotherapy in stage II breast cancer in women with one to three positive axillary nodes. *NCIC CTG Chairs, McCready DR, Whelan TJ: National Cancer Institute of Canada ($5,000 2002 - 2003).*

Role of CD200: CD200r interactions in immuno-tolerance. *Gorczynski R: Canadian Institutes of Health Research (CIHR) ($550,000 2001 - 2006).*

Team Talk: An intervention to structure information sharing and promote patient safety in the operating room. *Lingard LA, Regehr G, Baker R, Orser B, Doran D, Reznick RK, Grober E: Canadian Institutes of Health Research ($124,918 2002 - 2004).*


The effect of increased cholecystectomy use on the incidence of acute complications of gallbladder disease. *Urbach DR, Austin P: Surgical Infection Society ($120,000 2002 - 2004).*

The effects of anaesthetics on fine needle aspiration biopsy (FNAB)-based *in vivo* breast cancer gene profiling. *Leong WL, Kulkarni S, Boerner S. Done, S, Macgregor P, Woodgett JR: Genome Canada ($39,440 2004).*


The molecular mechanisms of graft injury after liver and bowel transplantation: a proposal to use microarray analysis to identify targets for novel therapies. *Grant D, McGilvray I, Edwards A, Rotstein O: Fujisawa Canada ($600,000 2003 - 2007).*


Toronto Hospital/Ontario Cancer Institute centralized flow cytometry facility. *Julius MH, Rotstein OD: Medical Research Council of Canada ($641,895 1999 - 2004).*

**HONOURS RECEIVED**

**Marshall JC:** Undergraduate Teaching Award, Institute of Medical Sciences, University of Toronto, May 2004.

**Reedijk M:** James Ewing Oncology Fellowship Award for Basic Research, January 2004.

**Reedijk M:** Society of Surgical Oncology Travel Grant, March 2004.

**Urbach DR:** Bernard Langer Surgeon Scientist Award. May 2004.

**Urbach DR:** Wightman-Berris Academy Award for Individual Teaching Excellence, May 2004.
DIVISION OF NEUROSURGERY
Dr. M. Bernstein – Professor
Dr. K.D. Davis - Associate Professor
Dr. E. M. Massicotte - Assistant Professor
Dr. M.G. Fehlings - Professor
Dr. F. Gentili - Associate Professor
Dr. A. Guha - Professor
Dr. W.D. Hutchison - Assistant Professor
Dr. J. H. Eubanks - Associate Professor
Dr. A. Krassioukov - Assistant Professor
Dr. A.M. Lozano - Professor
Dr. J. Saint-Cyr - Professor
Dr. M. Tymianski - Associate Professor
Dr. M.C. Wallace – Professor (Division Head)

PUBLICATIONS
Bernstein M: Surgical teaching: How should neurosurgeons handle the conflict of duty to today’s patients with the duty to tomorrow’s? British Journal of Neurosurgery: September 2003: 17: pp 121-123.


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES

Bernstein M: Bethune Round Table Meeting, Toronto, Ontario, May 2004. “Neurosurgery and neurosurgical education in Indonesia”.


Bernstein M: Teaching the Teachers, Joint Centre for Bioethics, Toronto, Ontario, May 2004. Teaching residents to care for our patients: the ethical quandry of the academic clinician.

Bernstein M: Padjadjaran University, Bandung, Indonesia, November 2003. Visiting Professor, Department of Neurosurgery.

Davis KD: Joint meeting of The American Association of Electrodiagnostic Medicine (AAEM), International Federation of Clinical Neurophysiology (IFCN), and the American Clinical Neurophysiology Society (ACNS), San Francisco, California, September 2003. AAEM 50th Anniversary Lecture: “Neuroimaging of Pain”.

Davis KD: IASP Research Symposium: Hyperalgesias- from molecular mechanisms to clinical applications, Erlangen, Germany, September 2003. Can percept-related fMRI distinguish pain from nociception?

Davis KD: Grand Rounds - UCLA Neuropsychiatric Institute and Depts of Psychiatry and Biobehavioral Sciences, Los Angeles, California, April 2004. Lessons for neuropsychiatry from imaging studies of pain and attention.


Eric M. Massicotte: AO ASIF, Quebec, Quebec, August 2003. AO ASIF Spine course.


Fehlings MG: Hong Kong Neurosurgical Society, Prince, Wales Hospital, Hong Kong, December 2003.  (1) Clinical teaching for trainees, (2) Brain Symposium - Spinal cord diseases: Role of the FAS death receptor in the pathophysiology of spinal cord injury: clinical implications and opportunities for novel neuroprotective approaches, (3) Rheumatoid cervical spine disease: Current concepts and neurosurgical management, (4) Neuroprotection of the injured spinal cord: From gene to the operating room.

Fehlings MG: Spine Trauma Study Group, Sonoma, California, September 2003.  (1) Co-Chair, (2) Update on STASCIS (Surgical Treatment of Acute Spinal Cord Injury Study).


Fehlings MG: Christopher Reeve Paralysis Foundation Clinical Trials Meeting, New York, New York, September 2003.  Meeting to develop a clinical network that can carry out the transfer of laboratory studies to clinical trials of new therapies for spinal cord injury.


Lozano AM: Dystonia Medical Research Foundation, Atlanta, Georgia, January 2004.  Advances in surgery for dystonia.


Saint-Cyr J: Centre Hospitalier Universitaire, Ottawa, Ontario, Dec 2003. Visualization et ciblage du noyau subthalamique en IRM.


Tymianski M: Canadian Stroke Network Annual General Meeting, Victoria, British Columbia, June 2004. Pre-Clinical studies on Treatment of Stroke with Inhibitors of NMDA receptor PSD-95 interaction.


Wallace MC: 57th Annual Meeting of the Neurosurgical Society of America, Santa Fe, New Mexico, June 2004. Multidisiplinary management of brain AVM’s.


Wallace MC: Annual Spring Meeting of the Korean Neurosurgical Society, Daejeon, Korea, April 2004. The role of endovascular technique in modern cerebrovascular neurosurgery.

RESEARCH AND INVESTIGATIONS

Senior Investigator’s Name Appears in Italics


Characterization and identification of oncogenic receptor protein tyrosine kinase signalling complexes in malignant astrocytomas. Dr. A. Guha, Dr. M. Moran: OCRN ($110,000 2003 - 2005).
Deep brain stimulation effects on task-driven fMRI. Saint-Cyr JA, McAndrews M-P, Mikulis DJ: Natural Sciences and Engineering Research Council ($64,000 2000 - 2004)
Finding Cures for Glioblastomas: Characterization of a Mouse Transgenic Astrocytoma Model as a Therapeutic Testing Platform. Guha A: Cleveland Clinic Foundation ($190,000 2002 - 2004).
Functional evaluation of glial AMPA/kainate receptors in spinal cord white matter: implications for understanding the pathophysiology of spinal cord ischemia. Fehlings MG: Heart and Stroke Foundation ($117,693 2003 - 2005).
Human studies of pain perception. Davis KD, Diamant NE: Canadian Institutes of Health Research ($539,925 2002 - 2007).
Molecular Mechanisms of Neuronal Injury. Michael Tymianski, 12 investigators across Canada: Canadian Stroke Networks ($765,000 2003 - 2005).
Multi-User Operating Grant--Centralized Flow Cytometry: OCI/PMH.  

Neangiogenesis in Cerebral Ischemia.  

Neangiogenesis in cerebral ischemia.  

Neangiogenesis in Cerebral Ischemia, Premiers Research Excellence Award: Transgenic Mouse Modeling of Malignant Astrocytomas.  
*Guha, A, Nagy PI, Wallace C: Heart and Stroke* ($100,000 2000 - 2004).

Neurophysiologic studies of deep brain stimulation.  
*Chen R, Lang AE, Lozano AM; Michael J. Fox Foundation* ($250,000 2004 - 2005).

Neurophysiological studies in human subthalamic nucleus.  

Neurophysiological studies in human subthalamic nucleus.  

Neurophysiology of human subthalamic nucleus.  

Pathophysiology of parkinson’s disease.  

Pre-clinical Mouse Models for Human Astrocytomas.  

Preclinical Mouse Models for Human Astrocytomas.  

Radiological and clinical evaluation of STNDBS.  

Recordings of Movement-related Neurons in Parkinsonian Patients during Movement Disorders surgery.  

Spatial summation and discrimination of pain in humans- An fMRI study.  
*Davis KD, Defrin R: International Association For The Study of Pain - Collaborative Research Grant* ($10,505 2003 - 2005).

Studentship award to A. Ackery: Use of sodium channel blockers to protect the injured spinal cord.  

Studentship award to J. Zhang: Mechanisms of excitotoxic injury to spinal cord white matter: Role of Glur6.  

The Role of Epigenetics in Neuronal Excitotoxicity and Apoptosis.  

The role of the p75 neurotrophin receptor in the death of neurons and glia after spinal cord injury.  

Transgenic Mouse Modeling of Malignant Astrocytomas.  

**HONOURS RECEIVED**

**Fehlings MG:** Award of Merit (2nd place) in Basic Science for study on “Descending cardiovascular pathways in human with cervical spinal cord injury: Clinical and histopathological correlations” presented at the Heart and Stroke Clinical Update.  Authors: JC Furlan, AV Krassioukov, P Shannon, and MG Fehlings, December 2003.

**Fehlings MG:** Julio Furlan (Postdoctoral Fellow) received the 2003 Elsevier Award for Best Poster Presentation at the 3rd International Meeting organised by the International Society for Autonomic Neuroscience (ISAN), Calgary, AB, July 4-8, 2003., July 2003.

**Lozano AM:** Lister Prize, Department of Surgery, University of Toronto, June 2004.
DIVISION OF ORTHOPAEDIC SURGERY

Dr. J.R. Davey - Associate Professor (Division Head)
Dr. B.A. Graham - Assistant Professor
Dr. J. Lau - Assistant Professor
Dr. S.J. Lewis - Assistant Professor
Dr. N. Mahomed  - Associate Professor
Dr. K.W. Marshall - Assistant Professor
Dr. D.J. Ogilvie-Harris - Associate Professor
Dr. Y.R. Rampersaud - Assistant Professor
Dr. H.P. von Schroeder - Assistant Professor

PUBLICATIONS


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


Davey JR: Orthopaedic Grand Rounds, Emory University, Atlanta, Georgia, September 2003. Importance of femoral offset and a primary porous stem.

Davey JR: Regional Focus Meeting, Atlanta, Georgia, December 2003. Investigation looking at femoral offset and clinical results.


Mahomed N N: NIH Consensus Conference on Total Knee Replacement, Bethesda, MD, USA, December 2003. Outcomes of Revision Total Knee Arthroplasty After Failed Primary TKR.


Rampersaud YR: 30th Annual Scientific Meeting of the American Spinal Injury Association, Denver, Colorado, May 2004. Late decompression is unlikely to improve pain, neurology and function.


RESEARCH AND INVESTIGATIONS

Senior Investigator’s Name Appears in Italics


Elucidating differences in activity and activation mechanisms between large and small osteoclasts and between osteoclasts originating from diseased and healthy bone: implications for pharmacological intervention. Heersche JN, Bogoch ER, Manolson MF, von Schroeder HP: Canadian Institutes of Health Research ($95,091 2002 - 2004).

Modifying osteoblast signalling pathways to increase vascular cell proliferation: co-culture experimental models. von Schroeder HP: Division of Orthopaedics/Zimmer of Canada ($10,000 2004).


Evaluating the International Classification of Function as a Model for Evaluating Rehabilitation Outcomes. Davis A, Badley E, Gignac M, Beaton D, Mahomed N, Streiner D, Flannery J, Schemitsch E: Canadian Institute of Health Research (CIHR) ($75,000 2003 - 2006).


**HONOURS RECEIVED**

**Mahomed NN:** Smith and Nephew Chair in Orthopedic Research, July 2003.

DIVISION OF PLASTIC SURGERY

Dr. D.J. Anastakis – Associate Professor
Dr. T. Bell - Lecturer
Dr. P. Bray - Assistant Professor
Dr. L.T. Dvali - Assistant Professor
Dr. A. Freiberg - Professor
Dr. J.E. Lipa - Assistant Professor
Dr. R.T. Manktelow - Professor
Dr. P.C. Neligan - Professor (Division Head)

PUBLICATIONS


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES

D. J. Anastakis: Shoulder and Elbow Reconstruction.


Manktelow RT: American Society of reconstructive microsurgery, Palm Springs, California, U.S.A., January 2004. Functioning muscle transplantation to the extremity and face. 2). The workmanship of risk and the pursuit of excellence. 3). As we were then and where we are now.


RESEARCH AND INVESTIGATIONS


Cortical plasticity following thumb reconstruction. Murji A, Anastakis DJ: The Toronto Hospital Research Institute. University of Toronto, Faculty of Medicine ($4,000 2003).


Development of questionnaire to assess the effectiveness of facial paralysis reconstruction. RT Manktelow, P Binhammer: Physicians Services Incorporated ($68,000 2003 - 2004).

Global protection of skeletal muscle against ischemic necrosis and vascular dysfunction by non-invasive remote ischemic preconditioning: Efficacy and mechanism. Pang, CY, Forrest CR, Neligan, PC: Canadian Institutes for Health Research ($72,648 2003 - 2006).


Maladaptive and adaptive markers of pain and sensorimotor cortical plasticity following repair of peripheral nerve injuries: A pilot study. Davis K, Anastakis DJ, Mikulis D, Chen R: University of Toronto Centre for the Study of Pain/AstraZeneca Program ($12,000 2004 - 2005).


HONOURS RECEIVED

Anastakis DJ: University of Toronto, Medical School Research Day. Poster entitled “Cortical plasticity following thumb reconstruction”. George Brown Memorial Award for Clinical Research, received by Year II, Medical Student, Ally Murji., January 2004.


Neligan P: University of Toronto Surgical Skills Lab Distinguished Teacher Award, 2004.

DIVISION OF THORACIC SURGERY
Dr. G.E. Darling - Associate Professor
Dr. M.R. Johnston - Associate Professor
Dr. S. Keshavjee – Professor (Division Head)
Dr. M. Liu - Professor
Dr. A.F. Pierre - Assistant Professor
Dr. T.K. Waddell - Assistant Professor

PUBLICATIONS


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


Keshavjee S: University of Minnesota, Department of Surgery and Department of Pulmonary Medicine, Minneapolis, Minnesota, February 2004. Lung injury in transplantation.


Keshavjee S: University of Hanover, Hanover, Germany, September 2003. The influence of recipient diagnosis on long term survival after lung transplantation.


McKneally MF: Harvard Medical International, University of Lausanne, Lausanne, Switzerland, May 2004. “Ethics of Innovation”.

McKneally MF: Joint meeting of the Canadian Bioethics Society and the American Society for Bioethics and Humanities, Montreal, QC, October 2003. “Protecting Participants in Surgical Innovation”.

Mingyao Liu: 7th Meakins-Christie Workshop, McGill University, Montreal, Quebec, January 2004. Lung epithelial cells and acute inflammation.


RESEARCH AND INVESTIGATIONS
Senior Investigator’s Name Appears in Italics

A Phase III Prospective Randomized, Double-Blind, Placebo-Controlled Trial of the Epidermal Growth Factor Receptor Antagonist, ZD1839 (IRESSA) in Completely Resected Primary Stage IB, II and IIA Non-Small Cell Lung Cancer (BR-19). Darling, GE.: National Cancer Institute of Canada ($72,000 2002 - 2004).


A Randomized Phase III Trial of Surgery Alone or Surgery -Plus Preopative Paclitaxel/Carboplatin in Clinical Stage IB (T2N0,) II (T1-2N1, T3N0) and Selected IIA (T3N1) Non-small Cell Lung Cancer (BR-22) (SWOG 9900). Darling GE,: National Cancer Institute of Canada ($30,000 2002 - 2004).


L-selectin modulation of chemokine receptor expression and function: Mechanisms and significance. T.K. Waddell: Canadian Institutes of Health Research ($303,000 2003 - 2005).


Mechanotransduction and ventilator-induced acute lung injury. Dr. Mingyao Liu: Canadian Institutes of Health for Research, Operating Grant, MOP-13270 ($600,000 2001 - 2006).


Xenotransplantation. Waddell TK: Canadian Foundation for Innovation, New Opportunities Grant ($150,000 2000 - 2003).

HONOURS RECEIVED
DIVISION OF UROLOGY
Dr. N. Fleschner – Associate Professor (Division Head)
Dr. M.M. Hassouna - Associate Professor
Dr. M.A.S. Jewett - Professor
Dr. S.B. Radomski - Associate Professor
Dr. M. Robinet - Associate Professor
Dr. J. Trachtenberg - Professor

PUBLICATIONS


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


Jewett MAS: Haliburton Highlands Prostate Cancer Support Group, Minden, Ontario, July 2003. What you need to know about Prostate Cancer.


RESEARCH AND INVESTIGATIONS

Senior Investigator’s Name Appears in Italics


Randomized study to investigate the efficacy and safety of treatment with Dutasteride and Tamsulosin once daily for 4 years on the improvement of symptoms and outcome of beign prostatic hyperplasias. *Magdy M. Hassouna*: *Glaxo-Smith-Kline Pharmaceutical* ($15,000 2004 - 2008).


HONOURS RECEIVED

**Jewett MAS**: Supervised Mr. Sanoj Punnen, UofT IMS Summer Student Poster Session, 1st Prize for Poster “Gene Expression Profiling for Gene Identification and Prognosis in Renal Cell Carcinoma”, August 2003.

**Jewett MAS**: Visiting Professor, Department of Medicine and Division of Urology, George Washington University, Washington, DC, April 2004.

**Jewett MAS**: Visiting Professor, Mexican Society of UroOncology Annual Meeting, July 2003.

**Radomski SB**: The Wightman-Berris Academy Award for Individual Teaching Excellence (University of Toronto), May 2004.
DIVISION OF VASCULAR SURGERY

Dr. K.W. Johnston - Professor
Dr. T.F. Lindsay - Associate Professor
Dr. B.B. Rubin - Associate Professor (Division Head)
Dr. Y. Sternbach - Assistant Professor

PUBLICATIONS


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


RESEARCH AND INVESTIGATIONS

Senior Investigator’s Name Appears in Italics


Molecular regulation of myocardial cyclooxygenase-2 expression and prostaglandin biosynthesis in neonatal rat cardiac myocytes (this grant was declined as I was accepted by the CIHR for a 5 year grant award for the same project). *Rubin, B: Heart & Stroke Foundation of Canada* ($190,000 2002 - 2005).


HONOURS RECEIVED

*Lindsay TF*: Nasir Khan received the Richard Lewar Heart and Stroke Center of Excellence - Summer Scholarship, May 2004.

*Lindsay TF*: Received the Lifeline Summer Scholarship, May 2004.
Dr. A. Agur - Associate Professor
Dr. B. Balyk - Lecturer Dr.
C. Morshead - Assistant Professor
Dr. J. Saint-Cyr - Professor
Dr. P. Stewart - Professor
Dr. I. Taylor - Professor
Dr. M. Wiley - Associate Professor

Publications: Papers
Agur AM, Ng-Thow-Hing V, Ball KA, Fiume E, McKee NH: Documentation and three-dimensional modelling of human soleus muscle architecture. 2003 July Clinical Anatomy 16(4) 285-293.

Eltahawy HA, Saint-Cyr J, Giladi N, Lang AE, Lozano AM: Primary dystonia is more responsive than secondary dystonia to pallidal interventions: outcome after pallidotomy or pallidal deep brain stimulation. 2004 March Journal of Neurosurgery 54(3) 613-619.


Morshead CM, Garcia AD, Sofroniew MV, van der Kooy D: The ablation of glial fibrillary acidic protein-positive cells from the adult central nervous system results in the loss of forebrain neural stem cells but not retinal stem cells. 2003 July European Journal of Neuroscience 18(1) 76-84.


Richter EO, Hoque T, Halliday W, Lozano AM, Saint-Cyr JA: Determining the position and size of the subthalamic nucleus based on magnetic resonance imaging results in patients with advanced Parkinson disease. 2004 March Journal of Neurosurgery 100(3) 541-546.


Publications: Books

Invited Lectures
Morshead C: Identifying neural stem cells and their role in stroke recovery. Department of Cellular and Molecular Biology, Ottawa Hospital Research Institute, Ottawa, Canada. December, 2003


Saint-Cyr JA: Centre Hospitalier Universitaire, Ottawa, Ontario, Dec 2003. Visualization et ciblage du noyau subthalamique en IRM.
**Research and Investigations**


The role of EPO in regulating neural stem and progenitor cells. *Morshead C*: Janssen-Ortho Biotech., 2004, $30,000


**Honours and Awards**

*Amy Yuen* (Bernie Liebgott, Supervisor) – Dentsply Award for the Best Student Presentation at the combined meetings of the Canadian Dental Association and The International Association of Dental Research. March, 2003.

*Anne Agur* was named a Friend of the Fitzgerald Academy by the graduating medical students of the Fitzgerald Academy. June 2004.

*Anne Agur* received a Rising Star Award for excellence in teaching and mentoring by the Department of Physical Therapy. October 2003.

*Bernie Liebgott* was awarded the “Teacher of the Year Award” by the Class of ‘06 in the Faculty of Dentistry in recognition of his outstanding contributions to undergraduate dental education. June 2004.

*Cindi Morshead* received a Rising Star Award for excellence in teaching and mentoring by the Department of Physical Therapy. June 2004.

*Cindi Morshead* received the Premier’s Research Excellence Award, Government of Ontario, for academic and research excellence. April 2004.

*Howard McGill* (Cindi Morshead, Supervisor) - Stem Cell Network Trainee Award, January 2004.

*Ian Taylor* was awarded the E. Mary Hollington Award for teaching with distinction in the undergraduate preclinical curriculum. June, 2004.

*Ian Taylor* received The Harry Whittaker Award for teaching. June, 2004.

*Mike Wiley* was named a Friend of the Fitzgerald Academy by the graduating students of the Fitzgerald Academy. June, 2004.

*Mina Kim* (Supervisor Cindi Morshead) – McMurrich Award for Best Basic Science Poster at the annual Gallie Day poster competition, Department of Surgery. June 2004.

*Pat Stewart* received the Association of Canadian Medical Colleges John Ready Award for Innovation in Medical Education. April 2004.

*Pat Stewart* received the W.T. Aikens Faculty Teaching Award for Development and Use of Instructional Media. May, 2004.


K. Brine - Assistant Professor
K. Chorney - Lecturer
S. Gilbert - Professor Emeritus
J. Jenkinson – Assistant Professor
N. Joy - Professor Emerita
L. Lax - Assistant Professor
M. Mackay - Professor
D. Mazierski - Associate Professor
S. Nancekivell - Assistant Professor
P. Reid – Lecturer
Dr. S. Tulk - Assistant Professor
Dr. L. Wilson-Pauwels - Professor
N. Woolridge - Associate Professor

Publications (Peer and Non-Peer Reviewed):


Nancekivell S. Writing a publishable journal article: A perspective from the other side of the desk. Science Next Wave 2004 April 16. Available at http://nextwave.sciencemag.org/cgi/content/full/2004/04/14/2.


New Media Program Development:


Invited Visits:


Honours Received:

Chorney K. Excellence in Teaching Award, Biomedical Communications.

Lax L. Excellence in Teaching Award, Biomedical Communications

Research and Investigations:

Senior Investigator’s Name Appears in Italic


Singh, A. and Lax, L., End-of-Life Care Distance Education Program research and development funding, Ontario Ministry of Health, April 2003 – March 2004 ($10K).


Woolridge N (co-P.I.), Lumsden CJ (co-P.I.). Interpretive Visualization: Understanding cell systems dynamics through computer animation. Natural Sciences and Engineering Research Council of Canada Collaborative Research and Development Grant. $100,000 matching $100,000 from Bell Canada University, 2004.
**R E S E A R C H  I N  E D U C A T I O N**

Dr. A. Dubrowski - Assistant Professor  
Dr. S.J. Hamstra - Associate Professor  
Dr. G. Regehr – Associate Professor (Psychiatry)

**PUBLICATIONS**

**Dubrowski, Adam:** Department of Obstetrics and Gynecology’s Grand Rounds, University of Vermont, Vermont,, January 2004. Surgical training out of the operating room: Research at the Surgical Skills Centre at Mount Sinai Hospital.


**INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES**

**Fernie GR:** School of Biomedical Engineering, Dalhousie University, Halifax, Nova Scotia, May 2004. Assistive device development is an important and challenging activity for academic bioengineers. (Keynote) Annual Research Day.

**Fernie GR:** CIHR Institute on Aging, Regina, Saskatchewan, June 2004. From research to product. CIHR Regional Seniors’ Workshop on Research.

**Fernie GR:** CIHR Institute of Aging, Toronto, Ontario, October 2003. From research to products. Enhancing aging research capacity in Canada: teams in aging workshop.


**Fernie GR:** MEDEC (Canada’s medical device company association), Mississauga, Ontario, May 2004. Investing in technology to improve lives. (Invited) 31st Annual General Meeting of MEDEC. Medical devices as an economic driver.

**Fernie GR:** International Conference on Aging, Disability and Independence, Washington, District of Columbia, December 2003. Low-technology solutions to assist people of all ages with disabilities. (Invited track keynote).


**Hamstra SJ:** Plenary Speaker, Annual Medical Education Day, Department of Medical Education, University of Michigan, Ann Arbor, Michigan, May 2004. Technical Skills Training in Surgery: Implications for Simulator Use and Design.

**Regehr G:** Associated Medical Services / Council of Faculties of Medicine Annual Meeting, Toronto, ON, October 2003. Revisioning the research and evaluation imperative in continuing education.
RESEARCH AND INVESTIGATIONS

Senior Investigator’s Name Appears in Italics


Design and efficacy of novel interface sling systems for patients. Dr. Geoff Fernie, Dr. Diane Marie Doran: Canadian Institutes of Health Research ($316,327 2003 - 2006).


Enabling safe independent powered wheelchair mobility in long term care residents with cognitive and other impairments that currently limit powered mobility use. Fernie GR, Cott, CA, Herrmann, N, Jutai, JW: Canadian Institutes of Health Research (CIHR) ($348,571 2002 - 2005).


Health Care Technology and Place - research training program. Coyte PC and McKeever P, Fernie GR et al: Canadian Institutes of Health Research (CIHR) ($1,980,000 2002 - 2007).

iDAPT Innovative Rehabilitation for people in challenging environments. Fernie GR, Numerous: Canadian Foundation for Innovation (40%) with matching funds from Ontario Innovation Trust (40%) and Toronto Rehabilitation Institute Foundation (20%) ($18,398,061 2004 - 2007).


Optimization of the faculty to resident ratio when teaching fundamental surgical skills. Dubrowski A, McRae H: Dean’s Excellence Fund for Medical Education ($22,275 2003 - 2004).


Use of hand motion and applied drilling force characteristics in the evaluation of surgical bone drilling task. Dubrowski A, Backstein D: Faculty of Medicine Dean’s Fund ($10,000 2003 - 2008).

HONOURS RECEIVED

Fernie GR: 2003 MEDEC Annual Award for medical achievement for “innovative leadership and inventions in the research and development of mobility technology”. MEDEC is Canada’s medical and assistive devices industry association and this is its highest award., September 2003.
CROSS APPOINTMENTS

Dr. A.J. Baker - Assistant Professor (Anesthesia)
Dr. P. Birek - Associate Professor (Dentistry)
Dr. A. Campbell - Lecturer (Medicine)
Dr. J. Carson - Assistant Professor (Family and Community Medicine)
Dr. A. Daar - Professor (Public Health Sciences)
Dr. A. Damyanovich - Assistant Professor (Medical Imaging)
Dr. J.E. Davies - Associate Professor (Dentistry)
Dr. A.M. Davis - Assistant Professor (Physical Therapy)
Dr. W.A. Demajo - Assistant Professor (Anesthesia)
Dr. D. Depetrillo - Professor (Department of Obstetrics and Gynaecology)
Dr. F. DiCosmo - Associate Professor (Botany)
Dr. R.J. Eby - Lecturer (Medicine)
Dr. V.L. Fornasier - Associate Professor (Laboratory and Pathobiology)
Dr. A. Fox - Professor (Department of Medical Imaging)
Dr. R. Gilbert - Assistant Professor (Otolaryngology)
Dr. M. Greenberg - Associate Professor (Pediatrics)
Dr. M.D. Grynpas - Associate Professor (Laboratory Medicine and Pathobiology)
Dr. P.J. Gullane - Professor (Otolaryngology)
Dr. B. Harvey - Assistant Professor (Public Health Sciences)
Dr. J. Irish - Associate Professor (Department of Otolaryngology)
Dr. J. Irvine - Associate Professor (Psychiatry)
Dr. G. Jackowski - Assistant Professor (Laboratory Medicine and Pathobiology)
Dr. M.G. Johnston - Associate Professor (Laboratory Medicine and Pathobiology)
Dr. W. Kucharczyk - Professor (Medical Imaging)
Dr. M. Lee - Lecturer (Anatomy)
Dr. G.A. Levy - Professor (Medicine)
Dr. C. Lumsden - Professor (Medicine)
Dr. A. McDonald - Assistant Professor (Medicine)
Dr. J. McGlade - Associate Professor (Medical Biophysics)
Dr. D.A.G. Mickle - Professor (Laboratory Medicine and Pathobiology)
Dr. M. Milner - Professor (Rehabilitation Science)
Dr. W. Montanera - Assistant Professor (Medical Imaging)
Dr. S. Narod - Associate Professor (Public Health Sciences)
Dr. C.D. Naylor - Associate Professor (Medicine)
Dr. M. Ojha - Assistant Professor (Rehabilitation Sciences)
Dr. K.P.H. Pritzker - Professor (Laboratory Medicine and Pathobiology)
Dr. P. Ritvo - Assistant Professor (Public Health Sciences)
Dr. A. Romaschin - Associate Professor (Laboratory Medicine and Pathobiology)
Dr. A.S. Slutsky - Professor (Medicine)
Dr. B. Steinhart - Instructor (Medicine)
Dr. D.E. Stewart - Professor (Psychiatry)
Dr. K.G. terBrugge - Professor (Medical Imaging)
Dr. Wan Q. - Assistant Professor (Physiology)
Dr. R. Willinsky - Associate Professor (Medical Imaging)
Dr. G.J. Wilson - Professor (Laboratory Medicine and Pathobiology)
Dr. T.W. Wu - Professor (Laboratory Medicine and Pathobiology)
PUBLICATIONS


Cros Appointments


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


Daar A: Transplantation Institute, Warsaw Medical School, Warsaw, Poland, July 2003. Ethical, societal, legal and economic aspects of transplantation.


Gullane PJ: Department of Otolaryngology, University of Colorado, Denver, Colorado, October 2003. (1) Advanced skull base neoplasms: Analysis & management (2) Surgical decision making in hypopharyngeal cancer.


Gullane PJ: Canadian Society of Otolaryngology - Head and Neck Surgery, Quebec, May 2004. (1) Osteosarcoma of the mandible and maxilla: The U of T Experience (2) Quality of life analysis in patients after anterior skull base surgery (3) Patient co-morbidity as a predictor of outcome in free tissue transfer to the head & neck (4) Quality of life with maxillofacial prosthetic reconstruction for palate defects.


Gullane PJ: Centre of Oncology Maria Sklododska-Curie Memorial Institute Branch, Gliwice, Poland, May 2004. Role of pedicled and free tissue transfer in head and neck reconstruction.


Levy GA: Tongji University, Wuhan, China, April 2004. Visiting Professor.


Narod S: Department of Oncology, Ohio State University, Columbus, OH, June 2004. Bilateral Breast Cancer in BRCA Carriers: Clues to Prevention.


Slutsky AS: Canadian-Canadian Conference on Severe Acute Respiratory Distress Syndrome (SARS), Las Palmas de Gran Canaria, Santa Cruz de Tenerife, Canary Islands, Spain, February 2004. (1) Co-Director of Course (2) ICU management of patients with SARS.

Slutsky AS: 10th International Conference on Mechanical Ventilation and 2nd World Conference on Acute Lung Injury, Maspalomas, Gran Canaria, Spain, February 2004. (1) Co-Director of Course (2) Lung injury and recruitment: The opening and collapse story.


Slutsky AS: Toronto Critical Care Medicine Symposium 2003, Toronto, Ontario, October 2003. (1) Member of the Conference Executive Organizing Committee, (2) presentation: VILI and MODS.


Slutsky AS: Henan Provincial People’s Hospital, Zhengzhou, China, April 2004. Mechanical ventilation and MODS.


Willinsky R: Zurich, Switzerland, March 2004. 12th Zurich Course on Interventional Neuroradiology.


RESEARCH AND INVESTIGATIONS

Senior Investigator’s Name Appears in Italics


Bridging the genomics divide. Singer PA, Daar AS: Genome Canada ($2,830,006 2002 - 2004).

Canadian program in genomics and global health. Singer PA, Daar AS: Genome Canada ($7,200,000 2001 - 2005).


Critical Care Unit for Research Excellence (CCURE) [Group grant including approximately 20 critical care physicians/specialists from southern Ontario]. Slutsky AS, St. Michael’s Hospital: Canada Foundation for Innovation (CFI) (40%) and Ontario Innovative Trust (60%) ($4,588,720 2002 - 2006).


Importance of harakiri in regulation of oocyte and embryo survival.  *Jurisicova A*, Grynpas M: Canadian Institutes of Health Research CHIR ($90,326 2002 - 2006).


Molecular mechanism of AMPA receptor-mediated excitotoxicity.  *Wan Q*: *Heart & Stroke Foundation of Canada (HSF)* ($140,000 2000 - 2005).


Role of phosphatase PTEN in traumatic spinal cord injury. Wan Q: Christopher Reeve Paralysis Foundation (CRPF) ($197,492 2002 - 2004).


The Development of a Decision Aid for Breast Cancer in BRCA1 and BRCA2 Mutation Carriers. Metcalfe K, Narod SA: Canadian Institutes of Health Research ($147,866 2004 - 2006).


The role of stem cell antigen (Sca-1) in bone development and homeostasis. Stanford WI, Aubin J, Grynpas M: Canadian Institutes of Health Research (CIHR) ($123,987 2002 - 2006).

The social science of novel bio technology integration theme of CANVAC. Irvine J: Medical Research Council of Canada/Canadian Network for Vaccines and Immunotherapeutics of Cancer and Chronic Viral Diseases ($482,000 2000 - 2004).


HONOURS RECEIVED

Kucharczyk W: First Canadian to be elected President of the International Society for Magnetic Resonance in Medicine. With 4,000 members, it is the largest scientific group in the world dealing MR science and techniques., January 2004.


Stewart DE: Awarded “University Professor” for her pioneering and groundbreaking work in women’s health research, which has a major impact., July 2003.
Dr. P.A. Arnold - Assistant Professor (University Health Network)
Dr. J.C. Fallis - Assistant Professor (The Hospital for Sick Children)
Dr. L. Fulton - Lecturer (Sunnybrook and Women’s College Health Sciences Centre)
Dr. B.A. McLellan - Associate Professor (Sunnybrook and Women’s College Health Sciences Centre)
Dr. S. Reicheld - Instructor (University Health Network)
Dr. D. Saslove - Instructor (St. Michael's Hospital)
Dr. D. Williams - Assistant Professor (Sunnybrook and Women’s College Health Science Centre)

INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES