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Dr. R. K. Reznick

Professor and Associate Chair
Dr. B.R. Taylor

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  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
Dr. M. Wiley – Anatomy
Dr. L. Wilson-Pauwels – Biomedical Communications
  Dr. R. Weisel – Cardiac Surgery
  Dr. Z. Cohen – General Surgery
Dr. J. Rutka – Leslie Dann Professor and Chair of Neurosurgery
Dr. J. Waddell – 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. K.W. Johnston – R. Fraser Elliott Chair in Vascular Surgery
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It’s hard to believe that it’s been 14 months since I took over as Chair of this Department, and am writing for the second time, a column for the Annual Report. It’s been quite a year! One message I received from many as I took on this job was to rely on a planning process to set priorities and develop strategy. And indeed, we have started to embark on a formal strategic planning process. Planning is one thing, but coping with the unexpected, especially when the unexpected transforms a city, a health care system, and indeed the lives of our patients and our colleagues, is quite another. We are all very mindful of the enormity of the SARS epidemic and the effect it had on our lives. We pray that this was a unique event, which we will not again experience in our lifetime.

As many of you know, I have spent a fair bit of time my first year meeting individually with faculty members. I have done this for several reasons: to personally meet and get to know many who I knew only by name; to get a general consensus on areas of strength and weakness in our department; to garner an environmental scan of the political and economic issues important to surgeons; to discuss academic issues of promotion, scholarly productivity and the relationship of the individual surgeon to the university; and significantly, to learn about our surgeons’ strategies to a balanced life.

What I have learned from these moments I have shared with our faculty has been profound and magnifies my awe for this position, intensifies my belief in our academic mission, and strengthens my resolve to work hard to keep our department strong and vibrant.

I would like to extend a fond farewell to those surgeons in our department who have retired or moved on in 2002-2003. It is impossible to, in a brief mention, do justice to individuals who were our teachers, colleagues and friends. Certainly their clinical strength and academic achievements have left our department enriched forever. We hope we have many occasions to visit and work closely again with Lynda Mickleborough, Robin Humphries, Gordon Hunter, Eric Poulin and Colin Bayliss.

This past year, we lost two of our surgical heroes to cancer. Bob Ginsberg was Chair of our Division of Thoracic Surgery, and a world-renowned lung cancer surgeon, ironically, the disease he succumbed to. Bob had innumerable qualities; a great surgeon, a dedicated teacher, and a champion for finding better ways to treat disease. He was tough, indeed gruff, was unambiguous about what he thought was right, and was hugely respected for his honesty and integrity in Toronto, at his second home at Memorial, and indeed throughout the world.

Leo Mahoney passed away on Feb 27th of this year at the age of 82. His life had been full of personal and professional accomplishments and was justifiably celebrated. Leo finished his surgical training in 1953 and in 1954, was a McLaughlin travelling fellow. Leo became well known as an excellent general surgeon, having assumed a faculty position at St. Michaels’s Hospital. His two major academic interests were tetanus and malignancy. But Leo is perhaps best remembered for his passion about teaching. Ostensibly until he took sick, Leo was actively engaged in developing new educational models for the study of breast disease. On a personal note, I cannot remember a single academic accomplishment I had in the last 10 years where I did not receive a kind word or a call of encouragement from Leo.

Our university’s mission has been affirmed to be one of the best publically funded research-intensive universities in the world. I believe the Department of Surgery is doing more than it’s fair share in that quest. Departmental funding continues to grow, in excess of $22,000,000 in external grants and contracts. The number of endowed research chairs keeps climbing, and we now have occupied, or soon to be occupied, 25 endowed chairs.
This year our Surgeon Scientist Program won the prestigious Northrop Frye award, one of our university’s highest honours. The Northrop Frye award celebrates one program each year in our entire university, that best epitomizes excellence at the interface of teaching and research. This acknowledgment of our department’s excellence in this area is a testimony to the residents who have been a part of it, to the faculty who have served as research mentors, to its directors over the years, including Charles Tator, Steve Strasberg, Dick Weisel and Ori Rotstein, and to it’s inspirational founder, Bernie Langer.

This year we have worked hard to continuously improve the quality of our undergraduate assessment process. At a recent retreat spearheaded by Bill Tucker, Stan Hamstra and Ted Ross, a complete new evaluation bank was fashioned. This department is indebted to the large number of faculty who helped in this major effort.

Under Helen MacRae’s leadership our skills lab continues to flourish and is widely recognized as one of the preeminent efforts of its kind in North America. This year, the program has expanded to include surgical training for undergraduate medical students, more programs aimed at senior level trainees, and a dramatic increase in CME events.

There are many stresses on our residency system. This year we have kicked off a process called “working towards a new training model”. John Bohnen organized an excellent 1 1/2-day retreat, which identified significant areas of strength of our current residency education model, delineated areas in which major changes could yield improvement and planted the seeds for a formula for change.

This past year we have embarked upon a process taking the whole area of fund-raising more seriously. We have hired Rebecca Davies, an advancement officer whose time is being spent strictly on Department of Surgery activities. I am happy to report that we are already seeing the difference that having a professional fund-raiser on our team can have. There is active work on five new chairs, a series of special events as well as excellent indications, that we can expect continuing and expanded corporate support for our surgeon scientist program.

Without a doubt, the single most important political activity of this past year, has been the AFP negotiations. These have taken place at multiple levels, starting with hospital-based negotiations, migrating towards negotiations for AFP’s for certain specialty groups and most recently, an exploration of the of an academic surgical AFP that would be province-wide. There is no question in my mind that over all there is overwhelming support from academic surgeons in our department for the concept of an AFP. Many people have spent countless hours trying to facilitate its development. As our advocates in this process, they deserve our support and patience. Negotiations with government are seldom easy.

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 the entire spectrum of important things that we do.

Finally, a word about inter-hospital relations. Although the restructuring commission suggested and implemented dramatic changes to the hospital landscape in this last decade, one can argue that it did not address a fundamental issue and that is the issue of governance across institutions. Toronto may be the only major Canadian city without a regional health authority or equivalent. The ramifications for surgery can be profound and has the potential to impact significantly on our programs. I would argue that it is of utmost importance for our teaching hospitals to band together, enter into an era of joint planning and take shared responsibility for a breadth of clinical responsibilities, needed by our patients.

In summary, this first year as Chair has been an enriching one. Each moment has been filled with important challenges and most importantly, a deep respect I have learned for the calibre of individuals in this Department.
Departmental and External Awards and Honors

The Surgeon-Scientist Program, The Northrop Frye Award
Dr. Joel Fish, 2003 E. Bruce Tovee Postgraduate Teaching Award
Dr. Robert Mustard, 2003 E. Bruce Tovee Undergraduate Teaching Award
Dr. Christopher Schlachta, University of Toronto, Surgical Skills Centre Distinguished Teaching Award
Dr. Steven Gallinger, 2003 Lister Prize
Dr. Bobby Shayegan, 2003 D.R. Wilson Award
Dr. Peter Dirks, 2003 Bernard Langer Surgeon-Scientist Award
Dr. Lori Burrows, 2003 George Armstrong-Peters Prize
Dr. Ori Rotstein, Charles Tator Surgeon-Scientist Mentoring Award
Dr. James Mahoney, Master Teaching Award, Fitzgerald Academy
Dr. Christopher Schlachta, Clerkship Teaching Award, Fitzgerald Academy
Dr. Robert Stewart, Clerkship Teacher Award, Fitzgerald Academy
Dr. Carol Swallow, Program Innovation and Development, Wightman-Berris Academy
Dr. Mark Bernstein, Education Administration Award, Wightman-Berris Academy
Dr. Stan Hamstra, Education Administration Award, Wightman-Berris Academy,
Dr. Robert Cusimano, Undergraduate Education Award, Wightman-Berris Academy
Dr. Christopher Wallace, Undergraduate Education Award, Wightman-Berris Academy
Dr. Thomas Waddell, Undergraduate Education Award, Wightman-Berris Academy
Dr. Michael Fehlings, Postgraduate Education Award, Wightman-Berris Academy
Dr. Jay Wunder, Postgraduate Education Award, Wightman-Berris Academy,
Dr. Peter Chu, Problem Based Learning Tutor Award, Peters-Boyd Academy
Dr. Oleh Antonyshyn, W.K. Lindsay Research Supervisor Award
Dr. Benjamin Alman, Arthur H. Huene Memorial Award
Dr. John Bohnen, 2002 PAIRO Trust Fund’s Travel Award for Clinical Educators
Dr. Paul Binhammer, Arnis Freiberg Teaching Excellence Award
Dr. Michael Cusimano, Dr. Clarice Chalmers Teaching Award, St. Michael’s Hospital
Dr. Robin Humphreys, Alan R. Hudson Teaching Award & 2003 Claus Wirsig Award from The Hospital for Sick Children Foundation
Dr. Michael McKee, R.B. Salter Award for Excellence in Teaching
Dr. Martin Buckspan, Division of Urology Resident Clinical Teaching Award
Dr. Ron Kodama, A.W. Bruce Award
Dr. Griffith Pearson, Member of the Order of Canada
Dr. Michael Tymianski, Royal College Medal in Surgery from the Royal College of Physicians and Surgeons of Canada

Dr. James Rutka, Board of Directors, American Association of Neurological Surgeons and Nation Builder Award, Science and Technology, The Globe and Mail
Dr. Robin McLeod, Regent, American College of Surgeons

Dr. Robert Salter, Minnesota Orthopaedic Society Inaugural Lifetime Achievement Award and International Federation of Surgical Colleges, Merit of Achievement
Dr. Christopher Forrest, American College of Surgeons Australian/New Zealand Chapter Visiting Fellow for 2003
Dr. Magdy Hassouna, American College of Surgeons, Australian/New Zealand Chapter Travelling Fellow for 2003
Dr. R. Zuker, President, American Society of Reconstructive Microsurgery
Dr. Charles Tator, Salute to the City Award
Dr. Carin Wittnich, Board of Governors of the Michener Institute
Dr. Sender Herschorn, Senior Editor of Reconstruction, Journal of Neurourology and Urodynamics
Dr. Andres Lozano, Science Advisory Council of Neuroscience, Canada
Dr. Linda Wilson-Pauwels, Certificate of Merit, Medical Book Professor Category, Association of Medical Illustrators
Dr. Timothy Daniels, President, Canadian Orthopaedic Foot and Ankle Society
Dr. Magdy Hassouna, Secretary/Treasurer, International Society of Pelvic Neuromodulation
Dr. Erin Boynton, J.E. Samson Award, Canadian Orthopaedic Association.

Promotions
Congratulations to the following members of the Department of Surgery whose academic contributions to the Department and to the University were recognized by promotions July 1, 2003. Dr. Leslie Carr was promoted to Assistant Professor. Dr. Dimitri Anastakis, Dr. Rod Davey, Dr. Stan Hamstra, Dr. Peter Kim, Dr. Andrei Krassioukov, Dr. Nizar Mahomed, Dr. Carol Swallow, Dr. Terrence Yau were promoted to Associate Professor. Dr. Howard Clarke, and Dr. John Coles were promoted to Full Professor.

New Faculty Appointments
Dr. Francis Beninger, Plastic Surgery, University Health Network, Dr. Michael Borger, Cardiac Surgery, University Health Network, Dr. Gideon Cohen, Cardiac Surgery, Sunnybrook & Women’s College Health Sciences Centre, Dr. Peter Ferguson, Orthopaedic Surgery, Mount Sinai Hospital, Dr. Joan Ivanov, Cardiac Surgery, University Health Network, Dr. Ian McGilvray, General Surgery, University Health Network, Dr. Kenneth Pace, Urology, St. Michael’s Hospital, Dr. Sandro Rizoli, General Surgery, Sunnybrook & Women’s College Health Sciences Centre, Dr. Paul Sullivan, General Surgery, Toronto East General Hospital, Dr. Lorraine Tremblay, General Surgery, Sunnybrook & Women’s College Health Sciences Centre, Dr. Paul Wales, General Surgery, The Hospital for Sick Children.

Reviews, Searches & Appointments
Dr. John Wedge was appointed Associate Dean, Clinical Affairs, Faculty of Medicine, University of Toronto. Dr. James Mahoney was appointed Acting Surgeon-in-Chief, St. Michael’s Hospital. Dr. Shaf Keshavjee appointed Acting Chair, Division of Thoracic Surgery, Dr. James Drake appointed Head, Division of Neurosurgery, The Hospital for Sick Children. Dr. Neil Flesher appointed Head, Division of Urology, University Health Network. Dr. Christopher Forrest appointed Head, Division of Plastic Surgery, The Hospital for Sick Children. Dr. Christopher Wallace appointed Head, Division of Neurosurgery, University Health Network. Dr. Andrew Smith appointed Head, Division of General Surgery, Sunnybrook & Women’s College Health Sciences Center.
The primary mission of the University of Toronto Surgical Skills Centre is to change the way fundamental surgical skills are taught and evaluated. As well, the Skills Centre provides a platform for continuing education in surgical skills, serves as a laboratory for research in surgical skills and helps to promote and enhance the teaching of surgical skills.

Traditionally, surgical skills have been acquired in the operating room. With the increasing complexity of surgical procedures and the premium placed on operating room time, this venue is not ideal for novice learners. Furthermore, the operating room does not allow for the opportunity to practice a discrete skill repeatedly with ongoing feedback. Thus, the goal of the Skills Centre is to offer programs and learning opportunities that are an adjunct to traditional teaching and thus enhance technical skill acquisition.

The Skills Centre operates programs for all stages in the medical education continuum. Basic skills for undergraduate medical students are addressed in sessions that cover simple skills, such as chest tube insertion, fundamentals of suturing and line placement. The postgraduate curricula are much more extensive. First-year residents from all disciplines participate in the Core Curriculum. This involves sessions once per week, that concentrate on skills required across surgical disciplines. The student to faculty ratios are small, allowing residents to receive one-on-one teaching and feedback on their techniques. These sessions are very popular among the junior residents, with residents commenting that they are a highlight of their week. Divisions within the Department of Surgery, also offer specialty-specific courses, that focus on discreet operations or specialty-specific techniques, for the more senior residents. Finally, in continuing medical education, the Skills Lab is becoming an important venue for the acquisition of new techniques and operative approaches. For example, Minimally Invasive Ventral Hernia Repair has been a focus of several courses. Similar offerings across the education spectrum, are offered by the Departments of Medicine and Obstetrics and Gynecology.

To enhance the learning experience, the Surgical Skills Laboratory has been equipped with telecommunications capability. The Skills Laboratory is directly linked with two operating rooms in the Mount Sinai Hospital, allowing for participants in the Lab to view operations in the context of a course and to interact directly, with the operating surgeon. Using the Telecommunications system, the Skills Lab is able to facilitate two-way communication, and audio-visual input, from any similarly equipped facility around the world. For example, in a recent course focusing on Total Mesorectal Excision for Rectal Cancer, operations from two centres in the U.S., as well as a simulcast from the Mount Sinai Hospital, were featured. This system can also be used to project demonstrations in the laboratory, for all participants.

The models used in the Skills Laboratory, vary from very basic knot-tying boards used for basic skills, to cadavers, to virtual reality simulators. The model fidelity is tailored to the needs of the learners and the course, again enabling the Lab to be relevant to learners at many levels.

Finally, the Skills Lab is at the forefront in research on technical skill acquisition in surgery. It serves as a platform for many research projects in this domain. Dr. Adam Dubrowski, a Ph.D. in Kinesiology, is now employed full-time in the Laboratory, to carry the research agenda of the laboratory forward. He is working collaboratively with surgical faculty on projects in technical skill acquisition. Over time, the knowledge gained, will allow us to better meet the learning needs of our faculty and trainees.

In summary, the University of Toronto Surgical Skills Centre at the Mount Sinai Hospital, is a major development of the Department of Surgery. The focus on developing technical skills at all stages of the education continuum, across disciplines, coupled with leading edge research in skills acquisition, provides the opportunity to make major contributions to the practice of surgery.
In the autumn of 2002, Dr. Richard Reznick became the new Chair of the Department of Surgery. Dr. Reznick has shown the avid interest and strong support for Undergraduate Education that we came to rely on under Dr. Wedge’s leadership. Particularly given Dr. Reznick’s past academic and administrative contributions to education, we look forward to working with him in achieving our mutual goals for our undergraduate programs.

The 2002-03 academic year was unfortunately badly disrupted by the constraints on teaching necessitated by the SARS outbreaks. Probably no group suffered more from the restrictions in our activities, except our patients, than our undergraduate and postgraduate students. The surgeons in our Department have shown a willingness to cooperate in the resultant rescheduling of teaching and examining activities, for which they deserve our thanks and recognition. Some of these adjustments will carry forward into the 2003-04 academic year.

Dr. John Murnagham organized and led another Resident as Teacher Day, held on July 12, 2002, to instruct our residents in the important undergraduate teaching role they have, especially as mentors, to our Clerkship students. As in the past, this program was very positively evaluated by the residents and undergraduate students who participated in it.

On May 1, 2003, a Multiple Choice Question (MCQ) examination item preparation session, was held at the Vaughan Estate. Faculty from virtually every major surgical discipline took part in this meeting and the existing MCQ item bank for our Phase 1 and II clerkships was updated and many new items were added, based on the content presented on the Surgical Clerkship Curriculum Website. The updated MCQ items will be used in the coming academic years and validated in 2003-04 by the contemporaneous use of the National Board of Medical Examiners ‘shelf’ examination, the reliability of which is known.

Dr. Robert Mustard of the Division of General Surgery at St. Michael’s Hospital, won this year’s E. Bruce Tovee Award for undergraduate teaching in the Department. Dr. Bobby Shayegan, a resident in the Division of Urology, won the D.R. Wilson award for exemplary undergraduate teaching by a resident. Dr. Stan Hamstra, of our Department and the Centre for Research in Education won the Anderson Teaching Award at the University Health Network.

Dr. Charles Peniston completed the academic year as the supervisor of the Phase II Surgery Clerkship Objective Structured Clinical Examination and Dr. Ken Pace will replace him in 2003-04.

The teaching of Technical skills to our Phase 1 surgical clerks was formalized across the University in 2002-03 and it is anticipated that assessment of these skills, will be incorporated into future examinations.

As Chair of the Undergraduate Education Committee, I would like to thank the faculty and student representatives of the UEC and all of the faculty and residents who contribute to our undergraduate teaching mandate, for their contributions over the past academic year.
University of Toronto’s Department of Surgery residents and faculty members, experienced an eventful 2002-2003 year, one of accomplishments, challenges and promise. Residents thrived as clinicians and trainees. The Severe Acute Respiratory Syndrome (SARS) epidemic led to unexpected constraints and Dr. Richard Reznick, incoming Department Chair, infused new energy into the education enterprise.

All of our first-year entry positions were filled in July 2002, through the Canadian resident match. In 2002-2003, we had 211 trainees in our eleven 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 accredited fellowship programs). Beyond that, the Department provided extra clinical training for 164 clinical fellows and 21 elective residents who have joined us from every continent but Antarctica. Thirty-three residents received research training within the Surgeon Scientist Program, led by Dr. Ori Rotstein.

Residents finishing Core Surgery (years one and two) and senior residencies were highly successful in Royal College of Physicians and Surgeons (RCPSC) in-training and fellowship examinations. According to new RCPSC policy, pass/fail information is confidential; according to the reports of the residents themselves, their successes rivalled previous years of sustained excellence.

The Department of Surgery sponsors a number of educational offerings that complement the residents’ clinical exposure. Dr. Bob Mustard has done a tremendous running of the Principles of Surgery Lecture series and Dr. Jameel Ali provided a POS practice exam, once again. In special “resident forum” sessions twice annually, the Core Surgery residents gave feedback to Dr. Hamstra and myself, about issues such as work conditions. On July 8, 2002, Core Surgery residents attended a half-day program “The Surgeon in Society” on topics of professional interest such as information management and surgical error. The many other events include orientation day for incoming PG1s in July; a career night for senior year medical students interested in Surgery; a senior residents’ day led by Dr. Martin McKneally; a “residents as teachers” workshop led by Drs. John Murnaghan and Stan Hamstra; and Advanced Trauma Life Support training led by Dr. Jameel Ali.

The Surgical Skills Centre (SSC), under the leadership of Dr. Helen MacRae, trains 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 continue to look after their residents’ needs and organize divisional educational and social events. Many thanks to Dr. Marcus Burnstein (Colorectal Surgery); Dr. Gail Darling (Thoracic Surgery); Dr. Doug Hedden (Orthopaedic Surgery); Dr. Ron Kodama (Urology); Dr. Jack Langer (Paediatric General Surgery); Dr. Ron Levine (Plastic Surgery); Dr. Lorne Rotstein (General Surgery); Dr. Carol Swallow (General Surgical Oncology); and Dr. Chris Wallace (Neurosurgery) for continuing to make my job easy. After distinguished tenures leading the Vascular Surgery and Cardiac Surgery programs, Dr. K. Wayne Johnston and Dr. Charles Peniston, have stepped aside to pursue other tasks, to be replaced by Drs. Tom Lindsay and David Latter respectively.
Faculty members and residents were granted numerous awards by hospitals, surgical divisions and the Department of Surgery, for excellence in postgraduate teaching. Among them, Dr. Joel Fish, won the 2002-2003, E. Bruce Tovee Postgraduate Award for sustained, outstanding contributions to postgraduate training. Dr. Bobby Shayegan won the D. R. Wilson Education Prize for outstanding teaching of medical students, by a surgical resident.

SARS disrupted teaching in the operating rooms, at bedsides and in classrooms. For April, May and half of June 2003, the epidemic forced cancellations of most elective operations. Strict university and hospital infection control policies led to cancellations of rounds, classroom sessions and educational planning meetings. About a score of residents and staff were placed on various levels of quarantine. On the positive side, the city-wide emergency strengthened the working relationships between the university and the hospitals, and demonstrated the value of communication technology in achieving consensus rapidly when balancing public safety with educational needs.

With his past accomplishments in education research, and passion for teaching and innovation, Dr. Richard Reznick has raised the bar on expectations for postgraduate surgical education. Chairman Reznick has promised to take a fresh look at all aspects of surgical residency training, as part of a general renewal of our department’s mission and vision. Toward that end, a retreat focusing on postgraduate surgical education was held at the Old Mill in Toronto, June 12 and 13. About 80 division leaders, program directors, education researchers and residents, expressed creative ideas around a variety of issues to inform improvement in education delivery. Distinguished guest speakers included Dr. Nadia Mkhadel, Director, RCPSC, and Dr. Gary Dunnington, Chair of Surgery, Southern Illinois University School of Medicine. The rich array of ideas and concepts will be worked into a green paper for wide input, from in and outside the department, before decisions are taken on incorporating new education models into training.

Once again, we received enormous help from the outstanding administrative support of Tess Weber, Miriam Rotman and Jean DeFazio. See you next year!
Research successes were abundant in the Department of Surgery over the past year. The total research funding by the Department exceeded $27 million for the first time, as faculty grant accrual continued to rise. The Surgeon Scientist Program (SSP) remained one of our defining programs, providing surgical residents with superb opportunities for research training. This past year, 11 new residents entered the SSP, giving the Program 19 M.Sc., three M.Ed., two M.A.Sc. and 14 Ph.D. candidates involved in full-time research. These individuals were recognized locally, nationally and internationally, as evidenced 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 85% of our SSPs were successful in receiving full or partial salary support from external granting agencies. The Johnson & Johnson Medical Products SSP Fellowship’s third year of commitment allowed us to support four SSPs. These were Allan Eckhaus, Michael Ko, Mark Peterson and Ravindar Sidhu.

The 29th Gallie Day, featured the research work of 14 of our Surgeon Scientist Program residents in the Annual Gallie-Bateman competition. The 1st prize was awarded to Sheila Singh (supervisor: Dr. Dirks). There was a tie for the 2nd prize awardee: Paul Fedak (supervisor: Dr. R. Weisel), and Rachel Khadaroo (supervisor: Dr. O.D. Rotstein). For the second year, the Gallie Bateman Poster Competition took place on the day prior to the Gallie Day celebrations and featured a total of 42 posters from students, fellows and postdoctoral students from across the Department. Two prizes were awarded: the McMurrich Award (Basic Science) and the Wyeth-Ayerst Award (Health Services and Education research). There was a tie vote for the McMurrich Award: R.Haddad, et al - (supervisor: Dr. A.J. Smith) and K.L. Moozar, et al - (supervisor: Dr. S. Gallinger). The Wyeth-Ayerst Award was won by D.A. Ashburn (supervisor: Dr. W.G. Williams). The SSP itself, was honoured at the University of Toronto by being selected the 2003 recipient, of the Northrop Frye Departmental/Divisional Award, recognizing the ability of the Program to integrate research and education.

Faculty accomplishments were equally impressive. Over 15 new grants were awarded by the Canadian Institutes of Health Research (CIHR). Our young Faculty members were recognized through their receipt of our local competitive University grants, including the Connaught New Staff Matching Award (Drs. Cindi Morshead, Vivek Rao and Cari Whyne) and the Dean’s Fund Competition for New Staff (Drs. David Backstein, Andrea McCart and Marc Pelletier). This year’s Bernard Langer Surgeon Scientist Award recipient, given to the most outstanding graduate of the Surgeon Scientist Program, was Dr. Peter Dirks. Faculty contributions to new knowledge were published in the highest quality Journals, including Science, Nature and The New England Journal of Medicine. This past year, the George Armstrong-Peters Prize for best young investigator was awarded to Dr. Lori Burrows, while Dr. Steven Gallinger was honoured with the Lister Prize for best senior investigator.

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. Each month, a non-clinician scientist is highlighted in the Department of Surgery Newsletter. The Committee also participated in the preparation of this year’s Gallie Day Program, highlighting SSP presentations, the Gordon Murray Lecture by Dr. David Dunn, Chair of Surgery, University of Minnesota and a provocative symposium on Regenerative Medicine.

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 innovations, as a means of providing excellence in patient care.
During this academic year, the Division was required to respond to a variety of challenges while maintaining its focus on academic excellence.

**Clinical**

Shortages of nurses, perfusionists and anaesthetists were compounded by the SARS outbreak and resulted in substantial down-sizing, at all four centres. However, at each of our institutions, clinical volumes are returning and we appear to have sufficient resources to meet the mandate we have been given, by the Government and our institutions, to care for the population in central Ontario. No further expansion is anticipated at the three adult centers because two additional centers will open next year.

The facilities at the Hospital for Sick Children are being expanded because of the closure of the program in London and the anticipated closure of the Ottawa program.

**Recruits**

Dr. Gideon Cohen returned to Sunnybrook & Women’s College Health Sciences Centre, after a year in Cleveland, to join Dr. Marc Pelletier who was recruited to the staff last year. Dr. Cohen received his Ph.D. during his surgical scientist training and he will compliment the basic and clinical research programs at Sunnybrook Hospital.

Dr. Michael Borger returned from a year in Germany, developing his expertise in minimally invasive valve surgery. He will be joining Dr. Viv Rao, a recruit from last year, to enhance the academic programs at the Toronto General Hospital. Dr. Borger completed his Ph.D. with Dr. David Naylor, in Clinical Epidemiology and will augment the program in surgical innovation and translation at that institution.

Dr. Chris Caldarone was recruited to the Hospital for Sick Children from the University of Iowa, where he was the Chief of Paediatric Cardiac Surgery. His impressive clinical skills will augment the excellent results obtained at Hospital for Sick Children and his basic science research, will compliment the expanding program at that institution.

**Resident Training**

Dr. David Latter has been appointed the new Program Director and will spearhead innovative approaches to teaching. The Division continued its tradition of selecting its first choice in the resident match.

**Awards**

Dr. Paul Fedak received the Vivien Thomas Young Investigator Award from the American Heart Association, the Bigelow Prize at the Terrence Donnelly Cardiac Surgical Residents Day and the PSI Resident Research Award.

Dr. Subodh Verma received the International Society for Heart Research Young Investigator Award.
This has been a tumultuous year for all the members in the Department of Surgery. The academic year 2002-2003 has been dominated by the SARS outbreak. This has affected aspects of our clinical care, research and educational activity. Fortunately, it appears that we are now able to put the SARS outbreak behind us and hopefully we can look back and try to take some positive aspects out of a very difficult and stressful situation. One of our own general surgical staff was affected by SARS and hospitalized. Dr. Lorraine Tremblay is a SARS survivor in the true sense of the word and I would like to salute her, on behalf of all the members of our general surgical division.

### Resident Training

Thirteen new PGY residents, including one from Saudi Arabia and one IMG resident have been accepted into our general surgical program, for the academic year 2002-2003. These individuals are: Drs. Doreen Chung, Ivan Diamond, Frank Eng, Philipe Garzon, Anand Govindarajan, Catherine Kim, Murray Meek, Brian Pinchuk, Sundeep Rai, Tania Zakrison, Zofir Al Hariri, and Dr. Aida Deliallisi. We wish them success in the general surgery residency program which began July 1, 2003.

The following general surgical residents were successful in completing the general surgical training program for 2002-2003. They are as follows: Drs. Maryam Aleyaseen, Tamara Znajda, Ulana Kawun, Robin Boushey, Mohamed Al-Omran, Wael Al-Kattan, Daniel Melamedov and Dr. Arvind Nanda.

The residents engaged in full-time research in the Surgeon-Scientist Program during 2002-2003 were:

- Rebecca Gladdy – (Supervisor - Dr. Jane Danska);
- Kouroos Moozar – (Supervisor – Dr. Steve Gallinger);
- Anand Ghanekar – (Supervisor – Dr. David Grant);
- Laura Musselman – (Supervisors – Prof. Stan Hamstra/Dr. Richard Reznick);
- Mary Ann Aarts – (Supervisor – Dr. John Marshall);
- Tracey Asano – (Supervisor – Dr. Robin McLeod);
- Neelesh Jain – (Supervisor – Dr. Matadial Ojha);
- Rachel Khadaroo – (Supervisor – Dr. Ori Rotstein);
- Kinga Powers – (Supervisor – Dr. Ori Rotstein);
- Giuseppi Papia – (Supervisor – Dr. Ori Rotstein);
- Angel Arnaout – (Supervisor – Dr. Joyce Slingerland);
- Veena Guru – (Supervisor – Dr. Jack Tu);
- Ian McGilvray – (Supervisor – Dr. Gary Levy);
- Ravi Sidhu – (Supervisor – Prof. Stan Hamstra).

### Promotions

During this academic year the following were promoted to Associate Professor: Prof. Stan Hamstra, Drs. Peter Kim, Helen MacRae and Dr. Carol Swallow. We congratulate those who were promoted for their superior efforts, that have been now been recognized in a concrete way.

### New Faculty

During the academic year 2002-2003, Dr. Alexandra Easson joined the general surgical staff of Mount Sinai Hospital/University Health Network as a surgical oncologist with a major interest in breast oncology. Dr. Robert Gryfe joined the Division of General Surgery at Mount Sinai Hospital with a cross-appointment at the University Health Network. Rob’s main interest is also in surgical oncology with a specific interest in colorectal disease. Dr. Todd Penner joined the General Surgical Division at the University Health Network, with a primary appointment at the Toronto Western Hospital in the area of minimally invasive surgery. Drs. Sandro Rizoli and Lorraine Tremblay joined the general surgical staff at Sunnybrook & Women’s College Health Sciences Centre in the area of critical care and trauma. Dr. Paul Wales joined the general surgical staff at the Hospital for Sick Children, with a specific interest in paediatric trauma and Dr. Paul Sullivan joined the general surgical staff at the Toronto East General Hospital, with a major interest in minimally invasive surgery.
Honours, Awards and Appointments
We are particularly proud of the fact that Dr. Richard Reznick became the Chairman of our Department of Surgery, at the University of Toronto, in October of 2002. Other appointments included Dr. Andy Smith who became the Head of the Division of General Surgery at Sunnybrook & Women’s College Health Sciences Centre and Dr. Chris Schlachta who became the Head of the Division of General Surgery at St. Michael’s Hospital, as of July 1, 2003. Dr. John Marshall was appointed the Head of the Division of Clinical Investigation and Human Physiology at the Toronto General Hospital Research Institute.

Canadian Institutes of Health Research (CIHR) grants were obtained by Drs. Mark Cattral, Steve Gallinger, Andrus Kapus, Peter Kim, John Marshall, Andrea McCart, and Dr. Ori Rotstein. The above named individuals in some cases held two or even three grants from different granting agencies. In addition to that, Dr. Annie Fecteau received the Hospital for Sick Children Research Award. Dr. Rob Gryfe received a Cancer Care Ontario/CIHR as well as a National Institute of Health (NIH) Award. Dr. Lavina Lickley received a National Cancer Institute Council (NCIC) award and Dr. Helen MacRae received an award from the Association of Canadian Medical Colleges. Dr. David McCready received an NCIC award and Dr. David Urbach has received awards from Physicians’ Service Incorporated (PSI); Ministry of Health and Long Term Care (MOHLTC) and the Surgical Infection Society.

Dr. Robin McLeod was elected President of the Canadian Association of General Surgeons, in September 2002, for a one-year term. Dr. Robert Mustard received the E. Bruce Tovee Teaching Award for Undergraduate Education; Dr. Chris Schlachta received the Surgical Skills Centre Distinguished Education Award; Dr. Steve Gallinger received the Lister Prize; Dr. John Bohnen received the PAIRO Trust Fund Travel Award for Clinical Educators. Dr. Carol Swallow received the Wightman-Berris Academy Award for Program Innovation and Development; Dr. Andy Smith received the Peters-Boyd Academy Award for Excellence in Continuing Education and Teaching and Dr. Calvin Law received a Peters-Boyd Academy Teaching Award. In addition, Dr. Richard Reznick was the Gallie Lecturer at the Royal College of Physicians and Surgeons of Canada in September of 2002 and Dr. Ori Rotstein accepted the Northrop-Frye Faculty Award on behalf of the Surgeon Scientist Program at the University of Toronto. These are but a few of the awards and honours that were received in the Division of General Surgery in the past academic year.

The proposed Bernard and Ryna Langer Chair in the Division of General Surgery, continues towards completion of the financial commitment. Over $600,000 has been deposited into the Chair Fund. This money has been raised entirely by the surgeons within the General Surgical Division of our Department of Surgery. It is hoped that the remainder of the $2,000,000.00 chair will be raised through direct-mail efforts and a special kick-off event for major donors. Again, I wish to thank the division members for their continuing contribution and dedication to this worthy cause.

Our surgical residents, particularly those in the Surgeon Scientist Program were also extremely successful in their grant capture as well as overall in their academic productivity. Rebecca Gladdy – Canadian Institutes of Health Research (CIHR) Fellowship; Kourosh Moozar – University of Toronto Personnel Award; Anand Ghanekar – Canadian Institutes of Health Research (CIHR) Fellowship; Laura Musselman – Physicians’ Services Incorporated (PSI) and the Royal College for Physicians & Surgeons (RCPSC) Fellowship; Mary Anne Aarts Surgical Infection Society (SIS) and Physicians Services Incorporated (PSI) Fellowship; Tracey Asano – National Cancer Institute of Canada (NCIC) Fellowship and Physicians Services Incorporated (PSI) and the American Society of Colorectal Surgeons (ASCRS) Grant; Neellesh Jain – Canadian Institutes of Health Research/ Hospital for Sick Children Foundation (CIHR/HSFC) Fellowship; Rachel Khadaroo – Alberta Heritage Foundation Fellowship; Kinga Powers – Canadian Institutes of Health Research (CIHR) Fellowship and University of Toronto Personnel Award; Giuseppi Papia – University of Toronto Personnel Award; Angel Arnaout – Canadian Breast Cancer Fellowship; Veena Guru – Canadian Institutes of Health Research (CIHR) Fellowship; and Ian McGilvray - Canadian Institutes of Health Research (CIHR) Fellowship and Physicians Services Incorporated (PSI) Grant.
Events
The 43rd Annual Update Course for General Surgeons and Residents, was held in April of 2003. There was certainly much debate as to whether or not this event should take place, considering the first SARS outbreak. However, it was decided to proceed with minimal screening taking place on site. The course was hugely successful with over 300 registrants present. Unfortunately, over 100 additional registrants did not attend because of fears related to SARS. In addition, a number of the lectures had to be teleconferenced to the conference center, with up-to- the-last-minute arrangements. I must take this opportunity, to thank those individuals in our Continuing Medical Education office, for their support during difficult times. The guest lecturer on site was Dr. Robert Beart. Guest lecturers teleconferenced to the site were Drs. Hartley Stern and Michel Gagne. All did an outstanding job. All of our general surgical staff presented in an exemplary way, as was indicated by the evaluations during the course. Dr. David McCready again organized the Post-Graduate Course in Breast Surgery and the 3rd Annual Minimally Invasive Surgical Post-Graduate Course was held in the fall of 2002. This was organized by Drs. Eric Poulin and Joseph Mamazza. The featured guests were: Dr. Adrian Park from the University of Kentucky, Lexington Kentucky and Dr. Maurice Arregui, Directors of Fellowship in Laparoscopy, Endoscopy and Ultrasound, from Vincent Hospital and Health Care Centre in Indianapolis, Indiana. The Update Course and Minimally Invasive Surgery courses, were live telesurgery from the operating rooms at Mount Sinai Hospital and St. Michael’s Hospital, which demonstrated excellent laparoscopic skills.

The Annual Assembly for General Surgeons and Residents took place in June 2003. This was once again a great success! Drs. Steven Gallinger and Carol Swallow organized the event and I wish to thank them both.

The highlight of the academic day was the presence of Dr. John Birkmeyer from Dartmouth University, Lebanon, New Hampshire, who was the E. Bruce Tovee Lecturer. He did an outstanding job in assessing the presentations and distributing the awards for Best Papers, to Drs. Rebecca Gladdy, Laura Musselman and Dr. Kinga Powers.

These are but a few of the highlights, for what is truly a great division of General Surgery. I am extremely proud of the division’s accomplishments and I wish to thank all the members of the division, for their continuing efforts and collaborative support.
Resident Achievements
Royal College Examinations:
All six graduating residents who took their Royal College Examinations in Neurosurgery passed and received FRCSC. They are: Drs. Mojgan Hodaie, Taufik Valiante, Michael Taylor, Victor DaSilva, Howard Ginsberg, and Dr. Steve Casha.

Resident Research Awards (International/National):
Several residents received externally funded fellowships and awards during the year:
Dr. Gelareh Zadeh: two-year CSTP (clinician scientist training program) fellowship from The Hospital for Sick Children; co-winner KG McKenzie Prize in Basic Science (CCNS); NCIC Fellowship Award.
Dr. Eve Tsai: co-winner KG McKenzie Prize in Basic Science (CCNS).

Resident Research Awards (University of Toronto):
Dr. Steve Casha: 2003 Alan Hudson Resident Teaching Award.
Dr. Todd Mainprize: 2003 Warren Ho Humanitarian Scholarship Award.
Dr. Karim Mukhida: Sopman Humanitarian Award (UHN).
Dr. Sheila Singh: 1st prize in the Gallie-Bateman resident research competition, Department of Surgery; Josie Walthers Memorial Award for laboratory research, first prize (HSC); 2nd Morley Prize.
Dr. Gelareh Zadeh: highest ranked Post Graduate Faculty of Medicine Awardee; co-winner 1st Morley Prize.
Dr. Taufik Valiante: 1st Horsey Prize.
Dr. Julian Spears: 2nd Horsey Prize.
Dr. Eve Tsai: co-winner 1st Morley Prize.

Faculty Achievements
Awards
Dr. Michael Fehlings: Physicians Services Incorporated Foundation, new grant; Cervical Spine Research Society Award; two-year grant Heart and Stroke Foundation; two-year grant Heart and Stroke Foundation of Ontario; Anderson Post-graduate Award (UHN); Wightman-Berris Academy Award for Individual Teaching Excellence.
Dr. Eric Massicotte: Cervical Spine Research Society Award.
Dr. Ab Guha: Ontario Cancer Research Network, new grant.
Dr. Jim Rutka: Pediatric Brain Tumor Foundation of the United States, two-year grant. (Todd Mainprize); winner Globe and Mail’s Nation Builder of the Year competition in the category of Science and Technology; three-year grant Ontario Cancer Research Network (OCRN).
Dr. Charles Tator: recipient, Salute to the City Award (Cadillac Fairview); lifetime achievement award, Canadian Spine Society.
Dr. Michael Tymianski: winner of the Royal College of Physicians and Surgeons’ Gold Medal in Surgery.
Dr. Paul Muller: two grant awards from the CIHR.
Dr. Robin Humphreys: 2003 Recipient of HSC Foundation Claus Wirsig Humanitarian Award; Donald D. Matson Memorial Lecture (AANS); 2003 Alan Hudson Faculty Teaching Award.
Dr. Michael Cusimano: Dr. Clarice Chalmers Teaching Award (SMH).
Dr. Andrei Krassioukov: American Spinal Injury Association (ASIA) award for the best published paper in the area of spinal cord.
Dr. James Eubanks: two operating grants Heart and Stroke Foundation.
Dr. Karen Davis: two-year grant, Ontario Mental Health Foundation.
Dr. Mark Bernstein: recipient of the 2002-2003 Wightman-Berris Academy Award for Education.
Administration; Anderson Award for long standing contributions to teaching (UHN).
Dr. Fred Gentili: J.F. Ross Fleming Award (UHN).
Dr. Chris Wallace: Anderson Undergraduate Award (UHN).
Dr. Peter Dirks: Bernie Langer Surgeon Scientist Award.
Dr. Andres Lozano: Penfield Lecturer (CCNS).

New Funded Initiatives
Establishment of the Alan and Susan Hudson Chair in Neuro-Oncology.

U. of T. Neurosurgery Lectureships
Botterell – Professor Rudolph Fahlbusch, University of Erlangen, Germany.
Keith – Dr. Ed Benzel, The Cleveland Clinic.
Hendrick – Professor Anthony Hockley, University of Birmingham, UK.
Lougheed – Dr. Charles Branch, Wake Forest University.

City-Wide Rounds
St. Michael’s Hospital, Dr. William Couldwell, University of Utah Medical Center.
Sunnybrook and Women’s College Health Sciences Centre, Dr. Susan Mackinnon, Barnes-Jewish Hospital, Washington University in St. Louis.
The Hospital for Sick Children, Dr. Ian Pollack, Children’s Hospital of Pittsburgh.
Toronto Western Hospital, Dr. Marc Mayberg, Cleveland Clinic.
2nd Annual Peripheral Nerve Symposium - Dr. Susan Mackinnon, Barnes-Jewish Hospital, Washington University in St. Louis.
16th Annual Marshall Lecturer - Dr. Howard Eisenberg, University of Maryland.

Promotions
Dr. Andrei Krassioukov – Associate Professor

New Faculty Recruits
Dr. Farhad Pirouzmand – Sunnybrook and Women’s College Health Sciences Centre.
Dr. Abhaya Kulkarni – The Hospital for Sick Children.
Dr. Taufik Valiante – Toronto Western Hospital.

Publications by neurosurgery faculty and residents equaled 103 and there were 83 Visiting Professorships by the faculty.

Appointments
Dr. Andres Lozano: named to the Science Advisory Council of Neuroscience Canada; elected into the Society of Neurological Surgeons.
Dr. Jim Rutka: appointed to the AANS Board of Directors for three years; appointed to the Editorial Board of Pediatric Neurosurgery; re-appointed to a two year term on the AANS Publications Committee.
Dr. Jim Drake: Neurosurgeon-in-Chief at The Hospital for Sick Children effective March 1st, 2003.
Dr. Michael Cusimano: appointed to the Steering Committee on Listening for Direction on Injury at the CIHR.
Dr. Karen Davis: appointed a member of a five-year NET (New Emerging Team) CIHR grant.
Dr. Chris Wallace: elected into the Society of Neurological Surgeons.
Dr. William Horsey (Professor Emeritus) passed away on August 23rd, 2002.
The Division of Orthopaedic Surgery had a fruitful and productive year 2002/2003. Some of the changes recommended by the external review of the Division the previous year, have been implemented and in particular, our decision to re-institute a compulsory year of research, has been accepted by the University and the Royal College. We were pleased that the annual CaRMS match confirmed that the popularity of orthopaedics, as a specialty at the University of Toronto, has increased substantially and that the additional year of training, was not an impediment to applications, from excellent and committed individuals.

Our medical student educational initiative which had been so successful the previous year had to be cancelled this year because of the SARS situation; we had 50 or more applications for 15 available spots; these applications came from all Ontario Medical Schools and those individuals selected for this experience were very disappointed when the initiative had to be cancelled. Despite this set-back we intend to hold this next year.

Academic activity in the division was excellent over the past year. Peer-reviewed publications exceeded the previous year and peer review grant support, improved substantially over the previous year. The academic activity was reflected not only in peer-reviewed publications but also in invitations to other universities and participation in national and international meetings. There were many visitors to the division in the past academic year; the highlight was the 2002 Kennedy Visiting Professors - Dr. Bruce Browner, Professor & Chairman of Orthopaedic Surgery, at the University of Connecticut and Chairman of the International Committee of the American Academy of Orthopaedic Surgeons. Dr. Browner’s clinical interest is in trauma and he provided excellent insight into the current standard of trauma care in the United States; in addition he has a strong interest in international orthopaedic surgery through the Bone & Joint Decade; he had valuable and significant interactions not only with the residents but faculty members throughout the Department of Surgery who share his interest in surgical development in the emerging world.

The Basic Science Visiting Professor was Dr. Ted Mclau, from the University of California at San Francisco. Dr. Mclau is a recognized expert in traumatology but also is a very accomplished research scientist in the area of cell signalling. Dr. Mclau spent some additional days around his professorship, in order to visit the two Level 1 trauma centers at Sunnybrook & Women’s College Health Sciences Centre and St. Michael’s Hospital, with Drs. Jay Wunder and Ben Alman.

The Austrian, Swiss, German Travelling Fellows spent several days with us in March of 2003 visiting the hospitals affiliated with the University of Toronto and presenting their work to the residents at the weekly academic day. Unfortunately the European Paediatric Orthopaedic Society Travelling Fellows who were scheduled to visit were unable to do so because of SARS. There were a number of cancellations of activities secondary to SARS including the 19th Annual Upper Extremity Update and a number of our City Wide Rounds.

Individual members of the faculty singled out for excellence included, Drs. Rod Davey and Nizar Mahomed, both promoted to Associate Professor level effective July 1, 2003; in addition Dr. Nizar Mahomed was recognized by his international peers by being nominated and accepted as the 2003 ABC Travelling Fellow. Dr. Michael McKee was recognized for his teaching excellence by the orthopaedic resident, by being awarded the R.B. Salter Teaching Award in Orthopaedic Surgery.

Other faculty members who have been recognized by their peer group include Dr. Ben Alman who received the Arthur H. Huene Memorial Award from the Paediatric Orthopaedic Society of North America for his research work. Dr. Alman and Dr. Jay Wunder received a CIHR operating grant and Dr. Alman a Premier’s Research Excellence Award. Dr. David Backstein was awarded the Insall Travelling Fellowship, to allow him to expand his knowledge and expertise in knee surgery; Dr. Erin Boynton received the Edouard Samson Award from the Canadian Orthopaedic Association for the most outstanding research in Orthopaedic Surgery in Canada, as judged by the Canadian Orthopaedic Research Society and the Canadian Orthopaedic Association. Dr. Paul Marks was awarded a fellowship for the American Orthopaedic Society for Sports Medicine.
Dr. Robert Salter received the Award of Merit from the International Federation of Surgical Colleges. He also received the Lifetime Achievement Award from the Minnesota State Society of Orthopaedic Surgery.

Dr. John Wedge, while former Chairman of the Department and current Surgeon-in-Chief at the Hospital for Sick Children remains a member of the Division of Orthopaedic Surgery. Therefore, we will take full credit for his recent appointment as the Associate Dean for Clinical Affairs within the Faculty of Medicine.

Excellence in our trainees was also recognized; Dr. Sevan Hopyan, a final year resident who was awarded the Gold Medal for Research by the Royal College.

We had two new appointments to the Division. Dr. John Lau, a graduate of the University of Toronto Orthopaedic Training Program, having completed fellowship training in Foot and Ankle Surgery has been appointed to the staff of the University Health Network; this is a rapidly growing area of specialization in Orthopaedic Surgery and we are looking forward to Dr. Lau’s participation and contribution. Dr. Peter Ferguson, also a graduate of the University of Toronto Orthopaedic Training Program, has joined the faculty with a staff position at Mount Sinai Hospital and Princess Margaret Hospital. Peter’s interests lie primarily in oncology and lower limb reconstruction. We are delighted that Peter has joined the faculty and look forward to his continued involvement with education and oncology research.

We are looking forward to the next year in the expectation that there will be continued improvement and development of academic Orthopaedic Surgery, at this University.
The Division of Plastic Surgery had a successful academic year. It saw several faculty members recognized in different spheres.

Dr. Ronald Zuker was elected as President of the American Society for Reconstructive Microsurgery, at its Annual Meeting in Hawaii, in January of 2003. Dr. Zuker is the second such faculty member to serve in this position; Dr. Ralph Manktelow having previously been President of this Society. Dr. Peter Neligan was elected the 2003 Visiting Professor by the Plastic Surgery Education Foundation, the educational arm of the American Society of Plastic Surgeons. This is the first time that a Canadian has been appointed to this position, which involves visiting a number of Plastic Surgery Residency Programs across North America. Dr. Christopher Forrest was elected incoming Chairman of the Plastic Surgery Research Council (PSRC). This is a two-year commitment that involves chairmanship of the scientific program for next year’s meeting in Ann Arbor, Michigan. Dr. Forrest will then host the meeting at the University of Toronto in 2005. This is a very prestigious honour. Again, Dr. Forrest is the second faculty member to be elected as Chairman of PSRC; Dr. Nancy McKee having formally served as Chairman in 1992.

January 2003, also saw the change of the guard at The Hospital for Sick Children. Dr. Ronald Zuker stepped down as Division Head, after 16 years of leadership and was succeeded by Dr. Christopher Forrest, as the new Division Head. During his 16 years as Head of Sick Children’s Hospital, Dr. Zuker built an international Fellowship Program and established the Hospital for Sick Children’s Division of Plastic Surgery, as the premier Paediatric Plastic Surgery Division in the world.

A search is currently underway for a new Head of the Hand Program at the Toronto Western Hospital. It is hoped that an appointment will be made early in 2004.

Two residents graduated from the Program this year, Dr. Melinda Musgrave and Dr. Ali Adibfar. Both were successful in the Royal College exams.

The Annual Faculty Awards were won this year by Dr. Paul Binhammer and Oleh Antonyshyn. Dr. Binhammer won the Arnis Freiberg Teaching Award and Dr. Antonyshyn, won the W.K. Lindsay Research Supervisor Award.

We had two Visiting Professors during the year. Dr. Jack Coleman was the inaugural visitor for the biannual combined Division of Plastic Surgery/Department of Otolaryngology Head and Neck Rounds and presented a lecture on microvascular reconstruction of the head and neck. The annual Hoyle Campbell Visiting Professor this year, was Dr. Ian Jackson.
Clinical Accomplishments

The Division of Thoracic Surgery continues to have 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, 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 co-ordination of Dr. Darling, Program Director. The FG Pearson Award for Best Resident/Fellow Teacher was awarded to Dr. Yaron Shargall and the RJ Ginsberg Award for Best Postgraduate Teacher was awarded posthumously to Dr. Ginsberg.

The Thoracic Surgical Research Laboratories continue to be very successful with grant capture and publications. Drs. Keshavjee, Liu and Waddell each received highly ranked Canadian Institutes of Health Research (CIHR) operating grants, for their respective research projects. Dr. Waddell also received a CIHR Junior Investigator salary award. Our laboratory program continues to provide an exciting and productive training environment, for residents in the Surgical Scientist Program and for numerous postgraduate fellows from all over the world.

Retirement & Recruitment

Thoracic Surgery suffered a great loss in March 2003, with the death of Dr. Robert Ginsberg. The profound respect held world-wide for his lifetime achievements, knowledge, leadership and teaching in Thoracic Surgery, was demonstrated by the large international attendance to the celebratory tribute, held in Toronto, in February 2003.

Dr. Andrew Pierre was appointed Assistant Professor, in 2002 and an attending Thoracic Surgeon, at the Toronto General Hospital. Dr. Pierre trained in General Surgery and Thoracic Surgery, at the University of Toronto. He then completed a fellowship, in minimally invasive surgery, at the University of Pittsburgh.
Faculty Appointments, Promotions, Honours and Changes

This year the Division Faculty consists of 20 geographic full-time surgeons and 1 Ph.D. Scientist.

There were two new recruits in July: Dr. Robert Nam at Sunnybrook and Women’s College Health Sciences Centre, who obtained his Masters in Clinical Epidemiology, while in the Surgical Scientist Program. He completed the University of Toronto Uro-Oncology Fellowship at the Toronto General Hospital, Princess Margaret Hospital and Sunnybrook and Women’s College Health Sciences Centre, in June 2002. He began his Urology practice with a special interest in Uro-oncology. Dr. Kenneth Pace completed his Masters in Clinical Epidemiology and a Fellowship in Minimally Invasive Surgery with Dr. Eric Poulin, at St. Michael’s Hospital. He is based at St. Michael’s Hospital and aims to build a clinical epidemiology program in Stone and Endourology and Minimally Invasive Surgery. Dr. Gordon McLorie left the Hospital for Sick Children after 20 years, to take the position of Chief of Paediatric Urology, at the Detroit Children’s Hospital, part of Wayne State University. Dr. Joao Pippi Salle arrived in June from Montreal Children’s Hospital, McGill University, to begin practice at the Hospital for Sick Children.

The programmatic orientation of the Division, with focused activity in specialized areas, has continued.

Programs and Participants
1. Oncology – University Health Network, Sunnybrook and Women’s College Health Sciences Centre, St. Michael’s Hospital.
2. Stone Disease and endourology – St. Michael’s Hospital, University Health Network, Sunnybrook and Women’s College Health Sciences Centre, Mount Sinai Hospital.
3. NeuUrology and reconstruction – Sunnybrook and Women’s College Health Sciences Centre, Toronto Western Hospital, Hospital for Sick Children.
4. Andrology – Mount Sinai Hospital.
5. Transplant – Toronto General Hospital, St. Michael’s Hospital, Hospital for Sick Children.
7. MIS – University Health Network, St. Michael’s Hospital, Sunnybrook and Women’s College Health Sciences Centre.

The Faculty continued their academic activities. They provided leadership in many basic and clinical research trials and many national and international urological organizations.

Hospital for Sick Children
Dr. Darius Bägli, Associate Professor, continued his basic research in bladder physiology. He received a CIHR grant as co-principal investigator along with Kimberley Woodhouse (PI) and Mark Kortshott and Maurice Ringuette. The grant was for $87,488 yearly (plus operating funds) for three years for their project entitled: An acellular matrix containing bioactive peptides for use in bladder reconstruction.

Dr. Bagli, as the PI and his research team continued work in the second year of their three-year funding from Canadian Institute of Health Research (CIHR), on his grant entitled: The role of Erk MAP kinase in bladder smooth muscle cell response to injury.

Dr. Walid Farhat, Assistant Professor, who joined the Division last year continued his work in tissue engineering and repopulation of acellular matrices, for the purpose of bladder reconstruction.

He was awarded a Canadian Urological Association Scholarship, in recognition of his work to date and in support of his research, for 2003-04.

Dr. Tony Khoury, Professor and Chief of the Division at Hospital for Sick Children and Dr. Gordon Mcloorie
were invited speakers and session moderators, at the Johns Hopkins Exstrophy meeting in Baltimore, MD., Oct 15-16, 2002. The titles of their talks were: Is there a need for bladder neck reconstruction in exstrophy – Khoury and Determinants of success in bladder exstrophy repair – McLorie. Dr. Khoury was also Visiting Professor at the University of Monufia, Egypt, in December, 2002. He served as the external member of the discussion committee that reviewed the thesis of one the international fellows from the Hospital for Sick Children, Dr. Hamdy Abou Taleb. Dr. Taleb completed his Ph.D. under Dr. Khoury’s supervision in Toronto. The title of his thesis was: Outcome analysis of interventions for vesicoureteral reflux in children. Dr. Khoury also gave a talk entitled: Current Reconstructive techniques in Hypospadias Surgery.

Dr. Khoury was an invited speaker on May 8-10, 2003, at the Department of Urology Grand Rounds, Westchester Medical Center, Maria Fareri Children’s Hospital, New York Medical College in Valhalla, New York and the Department of Urology Grand Rounds, Long Island Jewish Medical Center, Schneider Children’s Hospital, Albert Einstein Medical School, in New Hyde Park, New York. The topics of his two talks were ‘Principles and applications of reconstructive techniques in hypospadias surgery’ and ‘Contemporary studies in bladder reconstruction: New directions from Toronto’.

Dr. Khoury was also Visiting Professor at the Pediatric Urology Workshop at the Al Mafraq Hospital, in Abu Dhabi, UAE, on June 4-11, 2003. He presented a series of lectures on recent advances in: Management of Hypospadias, Bladder Reconstruction and the Management of Intersex.

He also continued his research with co-investigators, Drs. Lori Burrows and Frank Dicosmo (Institute of Biomaterials and Biomedical Engineering) in the second year of a two-year grant from the Kidney Foundation of Canada for their project, “Development of anti-microbial coatings for peritoneal catheters suitable for simultaneous exchange procedures”.

Dr. Lori Burrows, Assistant Professor, continued as Director of the Centre for Infection and Biomaterials Research. Last fall Dr. Burrows and Dr. C.M. Deber were co-PIs on a peer-reviewed grant from the NIH-SCOR Pilot Studies program for CF research at Hospital for Sick Children, entitled, “Novel peptide antibiotics against CF lung pathogens”.

Dr. Burrows was awarded a peer-reviewed research grant of $45,000 by the Canadian Infectious Disease Society for her work, infection and biomaterial. The Janssen-Ortho Research Grant competition is for basic research related to antimicrobial resistance, and the project is entitled “Antimicrobial activity of novel membrane-active peptides and synergy with conventional antibiotics”. Dr. Charles Deber, Hospital for Sick Children (HSC), was the co-PI on this grant.

On Gallie Day, May 9th, 2003, Dr. Burrows received the George Armstrong-Peters Prize, awarded to “a young investigator (up to five years) who has shown outstanding productivity during his/her initial period, as an independent investigator, as evidenced by research publications in peer-reviewed journals, grants held, and students trained”.

At the Centre for Infection and Biomaterials Research, Dr. Burrows’ Postdoctoral Fellow, Claude Gallant, received 3rd place (Basic Research) in the Hospital for Sick Children’s Josie Walther Memorial Surgical Services competition, May 16, 2003, for her presentation entitled “Using the IBET approach to monitor gene expression in Pseudomonas aeruginosa biofilms”.

With Dr. Lynne Howell, Hospital for Sick Children, Dr. Burrows received a “New Ideas Proposal” grant from PENCE (the Canadian Protein Engineering Network of Centres of Excellence). This is a one-year grant, $40,000, entitled “Proteins involved in type IV pilus biogenesis in Pseudomonas aeruginosa” and is intended to fund a new collaboration between our labs, to crystallize proteins required in the synthesis and function of these important adhesive virulence factors.

Dr. Burrows’ new postdoctoral fellow, Dr. Liliana Sampaleanu, received a Canadian Institutes Health Research (CIHR) Fellowship Award through the “CIHR Training Program in Structural Biology of Membrane Proteins Linked to Disease” to work on this project.
Raynah Fernandes, who did her fourth year research project with Dr. Burrows in the lab, has received an National Science & Engineering Research Council (NSERC), Undergraduate Student Summer Research Award, through the Department of Surgery, to continue her project entitled “Analysis of pilin adhesive function through site-directed mutagenesis of key residues”.

**Mount Sinai Hospital**

Dr. Keith Jarvi, Associate Professor and Division Chief at Mount Sinai, continued to lead the Male Infertility Program with peer-reviewed funding. He became the first Director of the The Murray Koffler Urologic Wellness Centre (MKUWC), at Mount Sinai Hospital which opened in February, 2003. This is a unique outpatient facility specializing in a comprehensive range of men’s health services. The Centre offers medical and psychological care for male-specific illnesses, including prostate health, male fertility and sexual health, and andropause. The MKUWC was made possible through generous funding from the Koffler family and tremendous commitment of the Mount Sinai Foundation. Other members of the division participated in various aspects of urologic care, including Drs. John Trachtenberg, Robert Nam and Neil Fleschner for prostate; Dr. Armand Zini for male infertility, and Dr. Martin Buckspan for male sexual health.

Dr. Armand Zini, Associate Professor, continued his role in the Male Infertility Program and started work as PI on a grant of $61,000 from the PSI Foundation entitled: Human sperm DNA integrity and pregnancy outcome after IVF/ICSI.

Dr. Martin Buckspan, Associate Professor, remained active in the ambulatory setting of the new Murray Koffler Urologic Wellness Centre.

**Sunnybrook and Women’s College Health Sciences Centre**

Dr. Lesley Carr was promoted to Assistant Professor and continued as Medical Director of the Women’s Pelvic Health Centre at Women’s College Ambulatory Care Centre of S.W.C.H.S.C. Dr. Carr also directed the weekly Urology School for the residents. Dr. Lesley Carr organized on September 20th, the first Women’s Pelvic Health Update, which was held at the Old Mill. It was a highly successful and very well-attended event. It brought together providers from different specialties for the first time to discuss women’s pelvic problems in one forum.

Dr. Sender Herschorn, Professor, continued as Chair of the University Division. He also continued as the Departmental Director of Continuing Professional Development. He was appointed Section Editor of Reconstruction in the journal, Neurourology and Urodynamics and was asked to chair the section on Surgery for Male Incontinence at the 3rd International Consultation on Urinary Incontinence, sponsored by WHO, to be held in July, 2004.

He addressed Victoria and Vancouver area urologists and gynecologists on “Minimally invasive surgery for stress urinary incontinence” October 23rd and 24th, 2002. He also directed the 10th Annual Urology Update 2002, that was held in November, 2002, at the Harbour Castle Westin.

He was a guest speaker at the Urogynecology Meeting in Montreal, organized by the Department of Urology at McGill University, December 12-13, 2002. He gave talks on: 1.) Conservative management of incontinence; 2.) Investigation and new avenues of pharmacotherapy for refractory overactive bladder; and 3.) Surgery for refractory over-active bladder.

He became the first holder of the The Martin Barkin Chair in Urological Research. This was created to fund research and education in urology at the University of Toronto and its affiliate teaching hospitals. The Chair was established in conjunction with the Faculty of Medicine Development Department. It was named in honour of Martin Barkin, a former member of the Division of Urology and retiring Board Chair, at Sunnybrook and Women’s College Health Sciences Centre in honour of his life-long contribution to health care. The Sunnybrook and Women’s Foundation has also committed to raising funds for the Chair.

Dr. Herschorn was also appointed Chair of the Guidelines Committee of the Canadian Urological Association, at the Annual Meeting in June, 2003, in Montreal.

Dr. Laurence Klotz, Professor and Division Chief at Sunnybrook and Women’s College Health Sciences Centre, continued his research in Uro-oncology and his many leadership appointments. He received a grant from the Canadian Prostate Cancer Research Foundation, for his project entitled: A feasibility study for a phase 111 clinical trial of standard treatment versus active surveillance with selective delayed intervention for localized, favourable risk prostate carcinoma. He also continued his work as part of other peer-reviewed trials, including the Select Trial and Differential Gene Expression in Prostate Cancer.
He was an invited Faculty at a prostate cancer meeting, held in Rotterdam, Netherlands last fall. He is also
an invited faculty at the second annual Canadian Oncology course for Urology senior residents, sponsored
by McGill University in Montreal, last January.

Drs. Michael Jewett and Laurie Klotz, along with Principal Investigator Dr. Ricardo Rendon, former urology
fellow at the UNH and currently in the department of Urology at Dalhousie University, Halifax, received a
grant for “Identification of Preoperative Prognostic Factors for Small Renal Cell Carcinoma” from Capital
Health Centre for Clinical Research.

Dr. Klotz and Dr. Martin Gleave, from University of British Columbia, were awarded a three-year grant
of $540,000 for the project entitled, “Companion study of bone mineral density of intermittent versus
continuous androgen ablation therapy in prostate cancer” by the Ontario Cancer Research Foundation, in the
Spring.

Dr. Ron Kodama, Associate Professor, continued in his capacity as Program Director

He organized the Surgical Skills Lab session on TURP and TURBT on Saturday, October 5th, 2002. He
arranged the all-day workshop for PGY 1-4s with the help of Circon ACMI. The lab included basic sessions
in which electro surgery and TUR techniques were discussed. The hands-on part consisted of multiple
stations with prostate and bladder tumour models. All of the residents had an opportunity to learn about the
instrumentation and carry out transurethral resections with resectoscopes under simulated conditions. Drs.
Radomski and Herschorn and the laboratory staff assisted Dr. Kodama at the sessions.

Dr. Kodama was a featured speaker at the Annual Northeastern Urology Update in Sudbury, ON., last Fall.
He spoke about “The current management of urethral and pelvic trauma”.

He directed the annual Urology Fair, which was held in Toronto, January 11, 2003. All English-speaking
University Urology Programs, send representatives to interview all potential Urology candidates for the
CaRMS.

He also organized the third annual Basic Science Review Course for PGY1-3 residents last February. This
year all Canadian urology programs sent residents to the course that was held in Toronto. The topics were
Paediatrics presented by Dr. Tony Khoury and Infertility presented by Dr. Keith Jarvi.

Dr. Kodama also won the A.W. Bruce Division of Urology Undergraduate Education Award, which he has
done every year since the award began.

Dr. Robert Nam was appointed to the staff at Sunnybrook and Women’s College Health Sciences Centre,
July, 2002. His research is focused on the genetics of prostate cancer and he has continued to collaborate
with Dr. Stephen Narod of the Department of Medicine. He was successful in obtaining a peer-reviewed
grant from the Canadian Prostate Cancer Research Foundation, for his project entitled: Genetic and
serological testing for prostate cancer. He started this work in collaboration with Dr. John Trachtenberg.

He was awarded a Canadian Urological Association Scholarship for his first year in practice and in June, the
scholarship was renewed for another year.

He was also awarded the Division of Urology Postgraduate Teaching Award, for Surgical Teaching.

**University Health Network**

**Toronto General and Princess Margaret Hospitals**

Dr. Neil Fleshner, Associate Professor, became Chief of Division of Urology at the University Health
Network, as of July 1. He moved from Sunnybrook and Women’s College Health Sciences Centre, where he
worked since starting his Uro-Oncology career in July 1997. He continued his clinical and basic research in
prostate cancer with his major peer-reviewed grants.

He was awarded a Canadian Prostate Cancer Research Initiative Grant entitled, “Incidence and
characteristics of prostate cancers in men with PSA levels < 2.5 ng/ml” last winter.
Drs. Michael Jewett, Professor, continued his research in Uro-oncology. He along with Dr. Klotz, and Principal Investigator, Dr. Ricardo Rendon, a former University of Toronto UroOncology Fellow and currently in the Department of Urology at Dalhousie University, Halifax, received a grant for “Identification of Preoperative Prognostic Factors for Small Renal Cell Carcinoma” from Capital Health Centre for Clinical Research. Dr. Jewett with Dr. John Trachtenberg, also received a grant from the Change Foundation entitled: “Development and Evaluation of Internet training courses for cancer patients” with Dr. Gunter Eysenbach, as Principal Investigator.

Dr. Jewett was a guest speaker at the Mexican Society of Urology Guadalajara and spoke about “Small Renal Masses: Treatment Options”, and “T1 Bladder Tumor: Cystectomy or TUR” last winter. He was Visiting Professor at the University of Washington Dept of Urology Seattle and spoke about “Strategies to minimize morbidity of treatment options for testis cancer” and presented the Highlights of Kidney Cancer Research Plenary and the Plenary Session entitled “Quality of life issues in cancer treatment choice: testis cancer” at the Societe International d’Urologie 26th Congress in Stockholm.

He co-supervised graduate students in the Departments of Medical Biophysics and Health Administration, as well as the Institute of Medical Sciences summer students and UroOncology Fellows.

Dr. Jewett was also elected Vice-President of the Canadian Urological Association, at the Annual Meeting in June.

Drs. John Trachtenberg and Michael Jewett, co-investigators, and Drs. Paul Ritvo (PI), Andrew Mathew, Murray Krahn, and Jane Irvine received funding from the Canadian Prostate Cancer Research Initiative, for their study entitled “Couple’s Decision-Making and Adaptation in Prostate Cancer Treatment”.

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

Dr. John Trachtenberg, Professor, hosted the annual Princess Margaret Hospital Prostate Cancer Retreat, at the Ontario Science Centre. Local and outside speakers provided a review of new and exciting technology in the investigation and treatment. Dr. Eric Klein, a uro-oncologist from the Cleveland Clinic, and Dr. Dave Bostwick, a renowned uro-pathologist from Virginia, were the outside speakers. In the evening, some of the speakers addressed the public on new developments in the fight against this highly prevalent disease. Mr. Tony Clement, Ontario Minister of Health and Long-Term Care, addressed the audience and stressed the importance of the work being done in prostate cancer.

Dr. Trachtenberg spoke at the Weizmann Institute of Science Annual meeting, Toronto, ON., October 17, 2002. He and Drs. Sharon Sharir, and Arjen Bogaards received an IDEA grant from the National Cancer Institute of Canada (NCIC), for “Fluorescent Guided Radical Prostatectomy”. He also co-chaired, along with Dr. Larry Goldenberg from the University of British Columbia, the 12th annual Issues and Controversies in Prostate Cancer at Whistler, B.C.

He gave a keynote speech at the Ninth International Photodynamic Association meeting in Miyazaki, Japan, on May 23, 2003, by videoconference. The SARS outbreak prevented his direct attendance. He also moderated the localized prostate cancer poster session at the American Urological Association Annual Meeting in Chicago.

Dr. Trachtenberg was recognized for his clinical and research expertise at a Gala Dinner on June 19th at the Sheraton Centre. The Canadian Society for the Weizmann Institute and the Princess Margararet Hospital, teamed up to honour Dr. Trachtenberg, Director of the Prostate Centre at the Princess Margaret Hospital. There were well over 1,000 people who attended this event.

**Toronto Western Hospital**

Dr. Magdy Hassouna, Associate Professor, continued his basic and clinical work in neurourology and neuromodulation. He was elected Secretary/Treasurer of the International Society of Pelvic Neuromodulation.

He was a guest speaker at the International Society for Pelvic Neuromodulation, held in Phoenix, Arizona, January 9-12, 2003. The title of his lecture: “Standardization for Parameters of Stimulation in Patients with Voiding Dysfunction.”

He was a Visiting Professor at the Functional Electric Stimulation (FES) Institute, at the Case Western Reserve University in Cleveland, Ohio, on April 11, 2003. This Institute is world-renowned for the application of neurostimulation for different applications: limbs, hands, and deep brain.
Dr. Sidney Radomski, Associate Professor, continued his work in incontinence, erectile dysfunction, and laparoscopy. He also continued his role as the Urology co-ordinator in the Surgical Skills Lab. He conducted hands-on sessions for the residents in various minimally invasive topics during the year.

**St. Michael’s Hospital**

Dr. John Honey, Associate Professor and Chief of the St. Michael’s division, continued his work as Director of the Lithotripsy Unit. He was a featured speaker at “Laser certification course, for the use of Holmium Lasers in Urology” which was held in November in conjunction with Urology Update 2002.

He was also appointed Chair of the Scientific Committee for the World Congress of Endourology, to be held in Montreal, September, 2003.

Dr. Kenneth Pace, Assistant Professor, was appointed to the staff in July and began his work in the Stone and Minimally Invasive Surgery.

Dr. Kenneth Pace, and co-author Dr. John Honey, won the prize for the Best Poster in the Endourology Section, at the American Urological Association Meeting recently, in Chicago. The title was, Shock wave lithotripsy at 60 or 120 shocks per minute: a randomized, single-blinded trial. Other co-authors were M. Harju, S. Dyer, R. Kodama, L. Carr, A. Zini, S. Radomski, K. Jarvi, M. Robinette, and S. Herschorn.

Dr. Robert Stewart, Assistant Professor, continued as the principal urologist in the kidney transplantation program. He also continued his basic research into angiogenesis in prostate cancer.

**Academic Events & Divisional Awards**

The Annual Charles J. Robson Research Day was held on March 27th at the Vaughan Estate. Dr. Patrick Walsh, Professor and Chairman of Urology Johns Hopkins Medical School, was the Visiting Professor. He lectured on Hereditary Prostate Cancer at the symposium and on the following morning, gave a Workshop on his technique of nerve-sparing radical prostatectomy.

The Annual Robson Day gala dinner, was held on March 27th and the prizes for the best presentations were awarded. Due to the SARS outbreak, the Friday morning session was held at the Vaughan Estate, rather than the Toronto General Hospital.

The winners in the various categories were as follows:

**A) Resident – basic**

1st - Ethan Grober for:
The educational impact of bench model fidelity on the acquisition of technical skill: the use of clinically relevant outcome measures.
Co-authors: S.J. Hamstra, K.R. Wanzel, R.K. Reznick, E.D. Matsumoto, R.S. Sidhu, K. A. Jarvi

2nd - Aaron Blumenfeld for
Improved sperm DNA integrity following varicocelectomy.
Co-authors: K. Jarvi, J. Wills, A. Zini

**B) Resident - clinical**

1st - Arthur Grabowski for
One year results of a prospective study evaluating the changes in health-related quality of life with implantation of the artificial sphincter for post-prostatectomy incontinence.
Co-authors: S.B. Radomski, S. Herschorn, M. Hassouna

2nd - Aaron Blumenfeld for
Quality of life and urinary symptoms after stress incontinence surgery: pubovaginal sling pubovaginal sling versus tension-free vaginal tape.
Co-author: S. Herschorn
C) Fellow - basic
1st - Sarel Halachmi for
STAT3 kinase in bladder stretch injury.
Co-authors: K. Aitken, D. Bagli

2nd - John Hodapp for
Dissociated autologous urothelial grafting for bladder augmentation in a porcine model.
Co-authors: C. Smith, A. Hafez, S. Halachmi, D. Bagli, W. Farhat, A. Khoury

D) Fellow - clinical
1st - Sharon Sharir for
Database-generated real time graphic flow chart for patients with bladder cancer.
Co-authors: S. Punen, R. L. Panton, M.L.K. Yip, H. Kwok, T Truong, M-J. Salpeter, B.L. Gallie, M.A.S. Jewett

2nd - Sarel Halachmi for
The role of bacterial infection in pediatric acute epididyimo-orchitis.
Co-authors: J. Hodapp, W. Farhat, D.J. Bagli, A.E. Khoury

E) Medical student
Jonathan Cardella for
Open versus laparoscopic donor nephrectomy for renal transplantation: is there a difference in patient morbidity or satisfaction?
Co-authors: L. Jamnicky, M. Sawhey, M. Robinette

Other Awards won by Residents
Dr. Tony Finelli, PGY-5, won the A.W. Harrison Clincal Clerk Teaching award for this six months at Sunnybrook and Women’s College Health Sciences Centre.

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

Undergraduate and Postgraduate Education
Apart from regular 3rd and 4th year rotations, as well as many rotations with outside elective students who are interested in a career in Urology, the division participates in the Arts and Science of Clinical Medicine series, for pre-clerkship students, and the Year-3 and Year-4 seminar series. There is also 1-week Foundations of Clinical Medicine series, on a yearly basis, during which Urology topics are introduced in lecture format to Year-2 students.

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

There are a total of 20 residents in the Program. In addition, there are 11 fellows in clinical and research positions.

Graduates of the program in 2003 were Drs. Arthur Grabowski, Eddie Matsumoto, Ben Chew, Tony Finelli, and Sergio Giancola. All have continued in fellowship positions in various areas in Toronto and in the United States.

Three new PGY 1 residents were welcomed to the Division in July. Drs. Rob Hamilton and Michael Kogon from the University of Toronto and Dr. Jonathan Chan from McMaster.

Urology School
Every Friday morning residents from all hospitals attend weekly didactic and interactive teaching seminars. Dr. Lesley Carr organizes the yearly program. It includes a monthly journal club and regular Surgical Skills lab sessions organized by Dr. Sid Radomski.
Visiting Professors
Dr. Patrick Walsh from Johns Hopkins was the Robson Visiting Professor just at the beginning of the SARS closure. His two-day visit was a huge success.

Visiting Speakers for Urology Update were, Dr. Michael B. Chancellor from the University of Pittsburgh, Dr. Mitchell C. Benson, from Columbia University in New York, Dr. Edward J. McGuire from the University of Michigan in Ann Arbor; Dr. Joseph L. Chin from the University of Western Ontario in London; Dr. Marc Goldstein New York Hospital, Cornell Med Center; Dr. Elspeth McDougall from the University of California Irvine Medical Centre; Dr. Mani Menon of the Henry Ford Health System, Department of Urology in Detroit MI, and Dr. Howard M. Snyder, III of the Division of Paediatric Urology at the University of Pennsylvania, PA. Dr. Snyder also spent a day at the Hospital for Sick Children.

Clinical and Research Rounds
The division holds weekly rounds throughout the academic year.

University Health Network (with Mount Sinai Hospital):
Thursdays –Norman Urquhart 4th Floor Conference room; 4-5:00 pm.

Sunnybrook and Women’s College Health Sciences Centre:
Wednesdays A304 Urology Conference Room; 7-8 am.

St. Michaels’ Hospital:
Mondays 7:30-8:30 am in room 2-Victoria-008.

Hospital for Sick Children
Research rounds - Wednesday mornings at 7:00 am in Urology conference room M292.

Case Management - Wednesday afternoons at 5:00 pm on 6B Atrium Management.
Teaching Rounds - Thursday mornings at 7:00 am in Urology conference room M292.

Monthly inter-hospital rounds were interrupted by SARS and will have resumed September, 2003.

Continuing Professional Development
The 10th annual Urology Update 2002, was held at the Harbour Castle Westin Hotel. The participants were from all over Canada and the northeastern United States. New developments in the following areas were covered: urinary incontinence, infertility, paediatrics, laparoscopy, penile, and prostate cancer. There were seven outside faculty and 19 University of Toronto faculty members who spoke at the course. Dr. Sender Herschorn was the course director and Dr. Laurie Klotz was co-director. The planning committee consisted of Drs. John Honey, Keith Jarvi, Tony Khoury, and Sidney Radomski
**Education**

Dr. Alan Lossing’s core lectures in Vascular Surgery continue to be among the best as evaluated by the undergraduates. Dr. Lindsay co-organized a major course at the Institute for Medical Sciences on the “Critical care – bench to bedside”. Dr. Douglas Wooster co-ordinated a Canadian group that included Dr. Szalay that has developed the next version of the Vascular Self-evaluation Program (a CME program for Vascular Surgeons). He organized a very successful Vascular Ultrasound Imaging Program. Dr. David Szalay, is Director of Medical Education at St. Joseph’s Health Center. He developed a patient website for the management of venous disorders. Dr. Michael Ameli organized a multidisciplinary symposium. Dr. Daryl Kucey supervised a Masters student from the Surgical Scientist Program. Dr. Wayne Johnston gave the invited guest lecture to the Japanese Vascular Society.

**Research**

Dr. Barry Rubin continues to have a five-year Canadian Institutes of Health Research (CIHR) grant and a grant from PSI. He is studying myocardial gene expression and human neutrophil function. Dr. Lindsay has a PSI grant entitled “Ruptured aortic aneurysm: early organ prevention strategies”. Dr. Johnston received a new four-year CIHR grant to support his basic research programs, with Professors Richard Cobbold and Matadial Ojha (Biomedical Engineering) in Doppler ultrasound and in hemodynamics studies. Dr. Kucey, with Dr. J. Tu, are funded by a grant from the Canadian Heart and Stroke Foundation, to evaluate carotid endarterectomy in the community.

**Honours**

Dr. Johnston completed his six-year term as the Editor-in-Chief of the Journal of Vascular Surgery and continues as the R. Fraser Elliott Chair, in Vascular Surgery. Dr. Lindsay’s research fellow, Dr. Denis Harkin won the Lifeline Award, for the best research paper among 80 submitted, to the annual meeting of the American Association of Vascular Surgery. Dr. Wooster is a director of the American Board of Vascular Surgery and is the representative of the Canadian Society for Vascular Surgery, to the board of the Society of Vascular Surgery. As past president of the Peripheral Vascular Surgery Society, Dr. Lindsay represents this group on the Society of Vascular Surgery Board. Dr. Ameli was appointed an honorary member of the Welsh Surgical Society.

**Administration**

Dr. Rubin represented University Health Network and the Mount Sinai Hospital in the negotiations related to Alternative Funding. Dr. Johnston chaired the committee on the merger of the American Association of Vascular Surgery and the Society of Vascular Surgery. Dr. Robert Maggisano is president of the Medical Association at Sunnybrook and Women’s College Health Sciences Centre, a member of the board of directors and is representative to the Provost Task Force on clinical faculty. Dr. Wooster is Chair of the Standards Committee for the Royal College and has been asked to serve on a consensus committee, on carotid duplex.

**New programs**

Dr. Szalay was the first vascular surgeon in Canada to perform endogenous laser ablation of the saphenous vein, for the treatment of varicose veins. Dr. Rubin initiated a nurse-run program for the management of wounds and lymphedema. The new programs for the endovascular management of thoracic aneurysms (Drs. Maggisano and Kucey) and abdominal aortic aneurysms (Drs. Sternbach and Lindsay) are becoming well-established.
New Faculty
The Division complement grew this year with addition of Dr. Cindi Morshead to the tenure stream as an Assistant Professor. Cindi’s research focuses on the characterization of neural stem cells and their potential role in neural regeneration in the CNS. She is currently applying in vivo and in vitro models to manipulate neural stem cells in order to understand their lineage commitment. Her funding comes from The Stem Cell Network –NCE and CIHR.

Interactive Multimedia
The Division continued to move forward in developing multimedia to support our teaching programs. We have begun work on “Anatomia”, a website for topics that present particular challenges in the dissecting room. The pedagogical approach and site design are complete, and were presented at the Slice of Life Conference in Philadelphia, in June. The first module, “The Larynx” will be introduced this fall [http://brodel.med.utoronto.ca/~jodie/anatomia/]. Dr. Stewart completed programs on “Accommodation” and “The Nasal Cavity”, that can be viewed in the “Contacts and Links” section of the Brain and Behaviour page at the Educational Innovation Laboratory website [http://icarus.med.utoronto.ca]. Presentations, based on these programs were also made at the Symposium on the Use of Innovative Technology for Teaching Morphological Sciences at the Annual Meeting of the Canadian Federation of Biological Societies in June.

Special Achievements
Dr. Anne Agur was appointed Associate Editor of the journal Clinical Anatomy, and also published the second edition of Essential Clinical Anatomy, co-authored with Dr. Keith Moore, Professor Emeritus and a former Chair of the Department of Anatomy. Anne also was a Visiting Professor at the Mayo Clinic, where she lectured on the clinical anatomy of the lower limb.

Dr. Pat Stewart was appointed Chair of the Curriculum Sub-Committee of the Dean’s Advisory Committee on E-based Education.

Dr. Bernie Liebgott was awarded the “Teacher of the Year Award” by the Class of ’05 in the Faculty of Dentistry in recognition of his outstanding contributions to undergraduate dental education.

Dr. Barbara Ballyk received the “Favorite Teacher Award” from the Class of ’06 in the Faculty of Physical and Health Education.

Visiting Professor
Dr. Eyner Lozano, a general surgeon and anatomist joined the Division as a Visiting Professor from the Faculty of Medicine at the National University of Columbia. Dr. Lozano is developing an interactive CD on the Surgical Anatomy of the Liver and Biliary Apparatus. While visiting the Division, he worked with Bernie Liebgott on further refining the program and developing an English version. He also participated in teaching anatomy to the first year medical class.

Dr. Carlton Smith
Professor Emeritus Carlton Smith passed away on May 9, 2003. Dr. Smith taught Anatomy and Neuroanatomy to countless students during a career that spanned over 40 years at this University. Following his retirement, Dr. Smith was a very generous supporter of Anatomy with donations to renovate the J.C.B. Grant Museum and to establish the Harland-Smith Lectureship as part of the Surgery Grand Round Series.
Faculty in the Division of Biomedical Communications (BMC), are dedicated to the continued development of research in Biomedical Communications. In conjunction with Pain Week (an inter-professional education initiative), Leila Lax was part of a team that developed a Knowledge Building on-line Learning Program, for inter-faculty health science students, as well as an accredited continuing education course for health-care practitioners. Working with the University of Toronto’s Center for the Study of Pain (UTCSP), Linda Wilson-Pauwels was granted six CIHR student scholarships for BMC students, who are designing their Master’s Research Projects in the area of Pain. The IVIS (Interpretive Visualization) Group were granted developmental funding from Merck Frosst, for an exciting project titled, PharmaPlanner. An interdisciplinary team from the Faculties of Medicine and Pharmacy are creating a data-structured retrieval system, that will generate a pictorial PharmaMenu for the management of medication.

A Bell University Laboratories grant-supported the purchase of $140,000 worth of new technology. State-of-the-art computers, video camera and editing suite, scanners and printers, will ensure the continuation of exciting new media and animation projects.

The MScBMC program continues to attract qualified students. The 16 students in-house and nine new students include students with undergraduate degrees in Psychology, Biology, Animal Science, Pharmacology, Athletic Therapy, Engineering, Industrial Design, Scientific Illustration, as well as students with PhDs in English Literature and Organic Chemistry. The nine new students include three VISA students.

Our goal next year is to increase our student numbers and faculty complement. Negotiations with the University of Toronto at Mississauga and Sheridan College, are ongoing.
Any organization, no matter what sector or field it belongs to, benefits from creating and operating by a mission statement. A mission statement is its guiding principle for achieving its goals in a focused and direct way.

As Chair of the Surgical Alumni Association, I have recently reviewed our association’s mission statement to help guide the activities and outcomes of our work. The mission statement of the Surgical Alumni Association is the “preservation of our legacy” in research, investigation and education, and to uphold the integrity of the Surgeon Scientist Program in the University of Toronto.

Our mission statement is two-pronged. First, it addresses the goal of maintaining relationships and building on that collegiality with each and every student, alumna or alumnus who receives or has received surgical training, at University of Toronto. Surgical alumni are the link in the chain between their teachers and the next generation of students. It is the interest of the Surgical Alumni Association, to maintain and build rich relationships with surgical alumni: our legacy.

In the 2002-2003 academic year, the Surgical Alumni Association continued its work in developing, and in many cases renewing, relationships with the alumni. This work will be carried on in 2003-2004 with increased vigor, with the hiring of a dedicated Department of Surgery development and alumni relations staff person, last May. We welcome Rebecca Davies and know that she will increase the effectiveness of your Alumni Association.

Secondly, the mission statement refers also to our abiding pride in and commitment to the Surgeon Scientist Program (SSP), the program we continue to refer to as the “jewel in the crown” of the Department of Surgery. The goals of the SSP are to provide an excellent research-training program for surgical residents and to improve our understanding of surgical conditions and their treatment. The SSP is a model for emerging programs in North America and our graduates go on to fill the continent’s academic surgery departments. Indeed, the Surgical Scientist Program was given University of Toronto’s 2003 Northrop Frye Award this year, for its excellence.

I’m so very delighted to report that donations from alumni and faculty to the Surgical Alumni Fund, increased by 20% for 2002! The main beneficiaries of the fund are, of course, surgeon scientists enrolled in the Surgeon Scientist Program. To me, our alumni’s support of the SSP is a natural intersection of the Department of Surgery’s legacy and our future and a great outcome, with respect to our mission statement.
The future of Surgical Oncology at the University of Toronto is very bright with progress being made at the local and provincial levels. The Society for Surgical Oncology has approved the University of Toronto General Surgery Surgical Oncology Fellowship, for inclusion in the matching process; the first time that approval has been granted for a non-US center. Drs. Carol Swallow, Andy Smith and Sharif Hanna, deserve a great deal of credit for the success of this fellowship program.

Provincially, the changing role of Cancer Care Ontario (CCO) means that it will assume responsibility for the quality of cancer surgery across the province. The provincial Surgical Oncology Quality program is now headed by Hartley Stern, one of the originators of the Surgical Oncology Committee in the Department of Surgery. Dr. Stern and members of our Department including Drs. David McCready and Andy Smith, are leading the development of quality indicators for breast and colo-rectal surgical oncology on a provincial basis. The Clinical Council at Cancer Care Ontario will implement the work of the Surgery Quality group and I will chair that committee. Surgical Oncology quality improvement will constitute a major component of the patient safety agenda that the Clinical Council will pursue.

The Chairs of Surgery, Otolaryngology, Gynecology and Ophthalmology have agreed to re-develop the University of Toronto Surgical Oncology Umbrella Committee. This Committee has successfully promoted academic issues across the University and promises to continue an advocacy role for University Surgical Oncologists.
Continuing Professional Development (CPD), continues to be a major focus within the department. Most members participate actively in educational programs of all descriptions. Despite SARS the department was very active last year.

Two years ago the members of the department set about complying with the Royal College of Physicians and Surgeons of Canada (RCPSC), guidelines for accreditation of their own CPD activities. The guidelines require tracking all of the CPD activities for each year is well known. Fellows are required to earn 400 credits during five years of active practice by participating in educational activities of their choice. The first five-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://rcpsc.medical.org/english/maintenance/. In January of each year, a stratified, random sample of three percent of Fellows who have completed CPD activities in the previous year will be required to validate their self-reports of participation in CPD activities. It is therefore essential to maintain the records of continuing education (CE) activity.

A new section has been added RCPSC website that is dedicated to Guidelines for CPD Providers. It contains information on accrediting programs, application forms and contact information for accredited providers.

There were courses held in all divisions and 16 that were run by the University Continuing Education Department. The list of the courses and directors are in the Table. Of note is General Surgery that held its 42nd annual update. The Aesthetic Plastic Surgery Course has been given for 33 years. Thoracic Surgery scheduled its 30th course but unfortunately cancelled because of SARS. The Vascular course has been given for 21 years and the Upper Extremity course for 18 years. The Pelvic and Acetabular course, not held under the auspices of the University but put on by the Division of Orthopaedics, has been given for 15 years. The Urology Update was 10 years old and continues to be the largest urology CE event in Canada.

Despite the cancellation and/or postponement of six courses, there were almost 1200 participants and 187 hours of courses given. Most of the cancelled courses were rescheduled for the fall. There was great understanding on the part of the sponsors and hotels, as well as assistance from the University of Toronto CE Department, with minimizing the financial impact of the cancellations.

Excellence in CE activity continues to have a positive impact on the annual performance review and in academic promotion. The teaching dossier of all is reviewed and contribution to CE, is considered an important facet of academic activity.
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<td>TORONTO THORACIC REFRESHER COURSE: 30TH ANNIVERSARY GALA *</td>
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* Cancelled or postponed due to SARS
Heads Of Division
Dr. G. Van Arsdell – Cardiac Surgery
Dr. J. Langer – General Surgery
Dr. J. Drake – Neurosurgery
Dr. W. Cole – Orthopaedic Surgery
Dr. C. Forrest – Plastic Surgery
Dr. A. Khoury - Urology

There has been considerable change in leadership at the Hospital for Sick Children this year. Dr. Robin Humphreys, an international leader in paediatric neurosurgery, stepped down as head of the Division and retired from practice. Robin was the last of the three original full-time neurosurgeons at Hospital for Sick Children, so we have had a complete generational change. Dr. James Drake has succeeded Robin as head of the Division and Dr. Abhaya Kulkarni has joined the neurosurgical group. Dr. Ron Zuker who has served with distinction, as head of the Division of Plastic Surgery for 17 years has been replaced by Dr. Christopher Forrest, an internationally renowned craniofacial surgeon.

Dr. Christopher Caldarone from the University of Iowa and a former Hospital for Sick Children fellow, has joined the Division of Cardiac Surgery. Chris has a significant research commitment in which his studies focus on the physiology of the neonatal heart. Dr. Joao Luiz Pippi Salle has joined the Division of Urology, to replace Dr. Gordon McLorie who left to become head of Paediatric Urology, at Wayne State University. Dr. Pippi Salle was formerly head of Urology, at the Montréal Children’s Hospital.

This year Dr. John Coles and Dr. Howard Clarke were promoted to Full Professor and Dr. Peter Kim to Associate Professor.

Research grant capture and publications continue to grow, such that tremendous pressure has been placed on our Research Institute, to provide sufficient space to accommodate the growing size of our surgical laboratories.

Numerous awards were received by our Faculty, which include, Dr. Christopher Forrest – American College of Surgeons: Australia/New Zealand Travelling Fellowship; Dr. James Rutka – appointed to the Board of Directors, the American Association of Neurological Surgeons; and Dr. Bill Williams has assumed the presidency of the Congenital Heart Surgeons’ Society.

The demand for our clinical fellowship positions, continues to increase for the approximately 20 positions available, in the six divisions of surgery. A recent survey detailed an impressive list of countries around the world, from which our fellows originate and the leadership positions, our former fellows have assumed around the world. The constant turnover of bright and experienced trainees from around the world, contributes significantly to our academic enterprise and our fellows frequently win awards from international specialty societies, for their presentations at meetings. Our fellowship program is one of our precious resources at Hospital for Sick Children and it is gratifying to see the high level of popularity with numerous applicants, for each available position.
Division of Cardiac Surgery
Dr. C. Caldarone - Associate Professor
Dr. J.G. Coles - Professor
Dr. G.S. Van Arsdell - Associate Professor
Dr. W.G. Williams - Professor
Dr. C. Wittnich - Professor

Publications


Invited Visits to other Hospitals/Universities


Williams WG: Boston Children’s Hospital Congenital Heart Disease Course, Boston, Massachusetts, May 2003. CHSS Results with Aortic Valve Stenosis.


Williams WG: A Team Approach to Pediatric Cardiac Disease, Children’s Hospital of Denver, Vail, Colorado, March 2003. Long-term expectations following the Fontan operation.

Williams WG: Boston Children’s Hospital Congenital Heart Disease Course, Boston, Massachusetts, May 2003. Management of single ventricle.


Williams WG: A Team Approach to Pediatric Cardiac Disease, Children’s Hospital of Denver, Vail, Colorado, March 2003. Outcomes with the use of alpha blockade.


Williams WG: European/North American Symposium on Congenital Heart Disease in the Adult, London, United Kingdom, September 2002. Surgical approach to arrhythmia in ACHD.


Wittnich C: Rotary Club, Bracebridge, Ontario, April 2003. Heart Disease and what you need to know - does age and your gender affect your vulnerability?

Wittnich C: American Cetacean Society, Seattle, Washington, October 2002. Saving marine mammals in their natural habitat - do they have a future?

Research and Investigations

Senior Investigator’s Name Appears in Italics


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


**Honours Received**

*Coles JG*: Top Ten Ranking in Teaching Effectiveness Score (TES), February 2003.

*Williams WG*: Director, Congenital Heart Surgeons Society Data Center, July 2002.

*Williams WG*: President, Congenital Heart Surgeons Society, July 2002.

*Wittnich C*: Appointed to the Michener Institute Board of Governors, October 2002.


*Wittnich C*: Tenure, Full Professor Departments of Surgery & Physiology, July 2002.
Division of General Surgery
Dr. S.H. Ein - Associate Professor
Dr. A.H. Fecteau – Assistant Professor
Dr. J.T. Gerstle - Assistant Professor
Dr. P.C.W. Kim - Associate Professor
Dr. J. C. Langer - Professor
Dr. P. Wales - Assistant Professor

Publications


**Invited Visits to Other Hospitals/Universities**


Langer JC: International Fetal Medicine and Surgery Society, La Malbaie, Quebec, September 2002. Should 37 weeks be considered “term” for fetuses with gastroschisis?

Research and Investigations
Senior Investigator’s Name Appears in Italics


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


Honours Received

Gerstle JT: Chief Surgical Residents’ Award for the Best Teacher, Hospital for Sick Children, June 2003.

Kim PCW: Andrea Hayes-Jordan: Runner up, 2002 Resident Best Paper Award, Canadian Association of Pediatric Surgeons, Vancouver, B.C., September 2002.


Division of Neurosurgery
Dr. M. Dennis – Professor
Dr. P.B. Dirks - Assistant Professor
Dr. M. Drake J – Professor (Division Head)
Dr. R.P. Humphreys - Professor
Dr. J.T. Rutka - Professor

Publications


Invited Visits to other Hospitals/Universities


Rutka JT: Pediatric Brain Tumor Consortium, St. Jude Children’s Hospital, St. Louis, Missouri, January 2003. Scientific Committee Advisory Board.


Research and Investigations

Senior Investigator’s Name Appears in Italics


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

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


**Honours Received**

**Dirks PB**: Bernard Langer Surgeon Scientist Award, Department of Surgery, University of Toronto, May 2003.

**Rutka JT**: Appointed AANS Board of Directors, April 2003.


**Rutka JT**: Pre-Convocation Ceremony Speaker, June 2003.
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. U.G. Narayanan - Assistant Professor
Dr. R.B. Salter - Professor
Dr. J.H. Wedge - Professor
Dr. J.G. Wright - Professor

Publications


Invited Visits to other Hospitals/Universities


Alman BA: Hospital Sainte-Justine, Universite de Montreal, Montreal, Quebec, March 2003. Developmental Biology in Pediatric Orthopaedics.

Alman BA: Hospital Sainte-Justine, Universite de Montreal, Montreal, Quebec, March 2003. Genetics in Pediatric Orthopaedics.

Alman BA: Hospital Sainte-Justine, Universite de Montreal, Montreal, Quebec, March 2003. Malignant Bone Tumors in Children: Clues to Diagnosis and Management.


Salter RB: St. Justine Postgraduate Orthopaedic Review Course (SPORC) Universite de Montreal, Montreal, Quebec, March 2003. (1) Epiphyseal plate injuries (2) Continuous passive motion of joints - basic research and clinical applications.

Salter RB: Postgraduate Course, Catholic University of Louvain, Louvain, Belgium, March 2003. (1) Epiphyseal plate injuries (2) The biological concept of continuous passive motion, from origination to research to clinical applications.

Salter RB: Postgraduate Orthopaedic Course, University of Amsterdam, Amsterdam, Holland, November 2002. (1) The 15 to 30 year results of innominate osteotomy in children (2) Innominate osteotomy for residual subluxation of the hip in young adults.

Salter RB: Department of Orthopaedic, United States Navy, United States Navy Hospital, San Diego, California, August 2002. (1) The philosophy and nature of surgical research research (2) Innominatu osteotomy for residual subluxation of the hip in young adults.

Salter RB: University of Minnesota Postgraduate Orthopaedic Course, Minneapolis, Minnesota, May 2003. Basic research relevant to development dysplasia of the hip (congenital dislocation) and its clinical applications.


Wright JG: Visiting Professor, Upstate Medical University, Syracuse, New York, November 2002. (i) Evidence and the practice of orthopaedics; (ii) Outcomes research, area variation, and disparity in orthopaedic surgery.


Research and Investigations

Senior Investigator’s Name Appears in Italics


Effect of smokeless tobacco on endotheliat function. *Pang CY*: *Smokeless Tobacco Research Council (USA)* ($38,512 2002).


Gene expression of agracans and type II colagen in an experimental investigation of chondrogenesis under the influence of continuous passive motion in the rabbit. *Salter RB*, Alman B: *National Institutes of Health (NIH)* ($25,000 2001 - 2002).

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).


Molecular Pathology of Cartilage Neoplasia. Alman BA, Wunder JS: Canadian Institute for Health Research (CIHR) ($560,000 2003 - 2008).


Skin flap ischemia: pathophysiology and pharmacological intervention. Pang, CY, Neligan, PC: CIHR ($80,000 2001 - 2002).


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).


Honours Received


Salter RB: Award of Meit from the International Federation of Surgical Colleges, September 2002.

DIVISION OF PLASTIC SURGERY
Dr. H.M. Clarke - Professor
Dr. L.G. Farkas – Associate Professor
Dr. D.M. Fisher - Lecturer
Dr. C.R. Forrest - Associate Professor (Division Head)
Dr. W.K. Lindsay – Professor
Dr. C.Y. Pang - Professor
Dr. J.H. Phillips - Assistant Professor
Dr. G.A. Tait – Assistant Professor
Dr. Zuker - Professor

Publications


Invited Visits to other Hospitals/Universities

Clarke HM: Department of Plastic and Reconstructive Surgery, College of Medicine, Korea University, Seoul, Korea, May 2003. (1) Congenital hand surgery (2) Obstetrical brachial plexus palsy.

Clarke HM: Advances in Brachial Plexus Reconstruction: A Surgical Skills Course, Mayo Clinic, Rochester, Minnesota, May 2003. (1) Peripheral nerve approaches: Demo and lab (2) Pediatric mechanisms, examination key points: Classification schemes (3) Early plexus surgery: Timing, indications, techniques (4) ‘Stump the professor’ - Obstetrical palsy (with Dr. Peter Waters).


Forrest CR: Division of Plastic Surgery Rounds, Prince of Wales Hospital, Randwick, Australia, May 2003. Craniofacial Reconstruction.


Forrest CR: Division of Plastic Surgery Rounds, Prince of Wales Hospital, Randwick, Australia, May 2003. Management of secondary cleft nasal deformity.


Forrest CR: Royal Children’s Hospital, Victoria, Australia, May 2003. Pediatric Facial Fractures.

Forrest CR: Annual General Meeting of the ANZ Chapter of the American College of Surgeons, Brisbane, Australia, May 2003. The effect of SARS on Toronto.


Forrest CR: Research Rounds, Prince of Wales Hospital, Randwick, Australia, May 2003. The role of cytoprotection in the prevention of radiation-induced craniofacial bone growth inhibition.

Forrest CR: Cabrini Monash University, Malvern, Australia, May 2003. Working with SARS at the Hospital For Sick Children in Toronto.


**Zuker:** Operation Smile- World Summit 2002, Limerick, Ireland, October 2002. Guest Speaker: Medical international programs at University of Toronto.


**Zuker:** 2nd World Cleft Congress of the International Cleft Lip and Palate Foundation, Munich, Germany, September 2002. Invited Lecturer: Operation Smile - The spirit of volunteerism.

**Zuker:** Plastic Surgery Educational Foundation, Symposium, Los Angeles, California, August 2002. Invited Lecturer: Correction of facial paralysis.


**Zuker:** North Atlantic Turkish Mobius Seminar (NATMOS), Los Angeles, California, August 2002. Invited Lecturer: Muscle transplantation for facial animation in Moebius syndrome.

**Zuker:** Organizational meeting and Press Conference, Parma, Italy, June 2003. Invited Participant: Moebius syndrome in Europe.


**Zuker:** Cleveland Clinic, Fort Lauderdale, Florida, March 2003. Visiting Professor: Paediatric microsurgery.

**Zuker:** Birmingham Children’s Hospital, Department of Plastic and Craniofacial Surgery, West Midlands Post Graduate Training Program, Birmingham, England, June 2003. Visiting Professor: (1) Selection of motor nerves for muscle transplantation in facial paralysis, (2) Conjoined twins - History and personal experience, (3) Hind quarter composite tissue allotransplantation.

**Zuker:** Azienda Ospedaliera di Parma, Department of Maxillo-facial Surgery, Parma, Italy, June 2003. Visiting Professor: Statto de’arte nella chirurgia del sorriso nei pazienti affetti da sindrome di Moebius.

**Research And Investigations**

*Senior Investigator’s Name Appears in Italics*

Craniofacial Research. **Phillips, JH: Miss. Irene M. Prior** ($25,000 2002).


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

**Honours Received**

Forrest CR: Operation Herbie’s Doctor of the Year, December 2002.  
Division of Urology
Dr. D.J. Bagli - Associate Professor
Dr. L.L. Burrows - Assistant Professor
Dr. W. Farhat - Assistant Professor
Dr. A.E. Khoury – Professor (Division Head)

Publications


Invited Visits to other Hospitals/Universities

Burrows LL: Department of Microbiology and Immunology, University of Western Ontario, London, Ontario, November 2002. Genes involved in development Pseudomonas aeruginosa biofilms.


**Khoury AE:** Pediatric Surgery at the Universidade Catolica de Curitiba, Curitiba, Brazil, July 2002. Surgical Treatment of Intersex (Ambiguous Genitalia).

**Khoury AE:** Pediatric Surgery at the Universidade Catolica de Curitiba, Curitiba, Brazil, July 2002. Surgical treatment of the bladder exstrophy today.

**Khoury AE:** Pediatric Surgery at the Universidade Catolica de Curitiba, Curitiba, Brazil, July 2002. Surgical Treatment of the Epispadias.

**Khoury AE:** Pediatric Surgery at the Universidade Catolica de Curitiba, Curitiba, Brazil, July 2002. Surgical treatment of urinary incontinence.


**McLorie GA:** Children’s Hospital of Michigan, Detroit, Michigan, November 2002. The Complexity of Neurogenic Bladder.

## Research and Investigations

*Senior Investigator’s Name Appears in Italics*

A prospective randomized open label study to compare ciprofloxacin (intravenous sequential IV-Oral versus IV cefotaxime with or without IV gentamicin or oral TMP/SMX in the therapy of older infants, children and adolescents with complicated urinary tract infections or pyelonephritis. *Khoury AE, Herz D: Bayer Inc.* ($80,000 2000 - 2002).


Novel peptide antibiotics against 


The role of Erk MAP kinase in bladder smooth muscle cell response to injury. Bagli DJ: CIHR ($250,000 2002 - 2005).

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: 2nd Prize Clinical Research-Robson Research Day for The role of bacterial infection in pediatric acute epidydimo-orchitis (Sarel Halachmi presented), March 2003.

Burrows LL: Claude Gallant- won 3rd place (Basic Research) in the HSC Josie Walther Memorial Surgical Services competition “Using the IBET approach to monitor gene expression in Pseudomonas aeruginosa biofilms” (Dr. Lori Burrows-surpervisor), May 2003.


Khoury AE: 2nd Prize Clinical Research-Robson Research Day for The role of bacterial infection in pediatric acute epidydimo-orchitis (Sarel Halachmi presented), March 2003.
Heads of Divisions
Dr. R.S. McLeod – General Surgery
Dr. A. E. Gross – Orthopaedic Surgery
Dr. K. Jarvi - Urology

The Department of Surgery at Mount Sinai Hospital consists of three major divisions – those being General Surgery, Orthopaedic Surgery and Urology. The following annual report provides just an outline of the significant activities that make the Department of Surgery as a whole, at Mount Sinai Hospital, a leader in complex clinical care and academic activity, in basic and clinical research and education.

General Surgery
During the academic year 2002-2003, we have had two new members join the Division of General Surgery. Dr. Alexandra Easson joined the division at the rank of Lecturer, on July 1, 2002 and Dr. Robert Gryfe joined the division as Assistant Professor, on January 1, 2003. Other members of the Division who are cross-appointed to the University Health Network, include the following: Drs. Alan Dackiw, Jaime Escallon, Steve Gallinger, Wey Leong, David McCready and Lorne Rotstein. This past academic year has also seen the promotions of Drs. Helen MacRae and Carol Swallow, who were both promoted to the rank of Associate Professor.

The priority areas within general surgery, continue to focus on four areas of expertise:

Colorectal Surgery with a particular interest in Inflammatory Bowel Disease, Gastrointestinal Oncology, Breast Disease and Head and Neck Endocrine Surgery.

Some highlights of our division’s clinical activities include:

- Continued interaction of the clinical activities of the Marvelle Koffler and Princess Margaret Hospital breast units with surgical oncology coverage provided by the same team at both sites.
- The sarcoma program is a multi-disciplinary program with surgical, medical and radiation oncologists that is gaining a national and international reputation.

In education, there is a full complement of general surgery residents at Mount Sinai Hospital. In addition, the colorectal surgery program is accredited by the Royal College of Physicians and Surgeons of Canada and the American Board of Colorectal Surgery. The Surgical Oncology Program is accredited by the Royal College of Physicians and Surgeons, without certification. Some highlights in the area of education include Dr. Carol Swallow, receiving the Wightman-Berris Academy Anderson Award for Innovation and Program Development.

Several members of the division have major clinical, basic science or education research programs. The following received grants:

- Dr. Rob Gryfe – Charles Hollenberg Translational Research Senior Fellow/Clinician Scientist Award, Eli Lilly Canada, Cancer Care Ontario CIHR (2002-2007) - “A synthetic lethal approach to cancer therapy.” OCRN (co-investigator). Ontario registryFor studies of familial colorectal cancer. NIH (co-investigator).
- Dr. Andrea McCart – “Preclinical assessment of vaccinia virus for functional tumour imaging.” University of Toronto, Faculty of Medicine. “Preclinical assessment of Vaccinia virus for cancer gene therapy and functional tumour imaging.” OCRN.


The following members of the division supervised research fellows:
Dr. Steve Gallinger – Kouros Moozar & Sean Cleary;
Dr. Helen MacRae – Laura Musselman;
Dr. Robin McLeod – Tracey Asano & Mary Ann Aarts and Paul Johnson;
Dr. Carol Swallow – Michael Ko; Dr. Irving Rosen – Julio Furlan.

The following members of the Division of Surgery have significant administrative duties within the hospital and university setting:
Dr. Zane Cohen – Surgeon-in-Chief, Mount Sinai Hospital; Chair, Division of General Surgery University of Toronto.
Dr. Steve Gallinger – Head, Division of General Surgery Research Committee.
Dr. Helen MacRae – Director, Surgical Skills Laboratory, University of Toronto & Mount Sinai Hospital.
Dr. Carol Swallow – Head, Surgical Oncology Fellowship Program, University of Toronto.
Dr. David McCready – Head, Breast Program, Princess Margaret Hospital.

Honour highlights of this academic year were the following:
• Dr. Zane Cohen – was the 2002 honoree for Ben-Gurion University of the Negev.
• Dr. Alexandra Easson – completed the first part of her thesis as part of the Clinical Epidemiology program.
• Dr. Erin Kennedy – (supervised by Robin McLeod) won the best prize at the Canadian Society of Colon and Rectal Surgeons Meeting, London, ON., September 2002.

Orthopaedic Surgery
During this academic year 2002-2003, there were 33 publications in peer-reviewed journals and two new research awards, to go along with the many already existing, research awards. One was from the Dean’s Excellence Fund, awarded to Dr. David Backstein, for $15,000 to evaluate the effectiveness of video feedback in the development of technical skills, in surgical residents. The other was awarded to Drs. Robert Bell and Jay Wunder as part of a multi-disciplinary health research team. This is a team of 13 investigators looking at musculoskeletal neoplasia. The award is from the Canadian Institutes of Health Research for $6,000,000.00 from 2002-2005.

Dr. Peter Ferguson was appointed to the Division of Orthopaedic Surgery specializing in musculoskeletal neoplasms.

Three hip revision courses were held at the Mount Sinai Hospital, using the motorskills lab with live surgery from the operating room. As well, the division had 14 visiting orthopaedic surgeons from various countries.

Here are some of the highlights in honours and awards for this past academic year:
Dr. Erin Boynton won the Samson Award in recognition of her research in the role of the Macrophage and polyethylene surface chemistry in total joint replacement. This award is Granted by the Canadian Orthopaedic Association. It is an annual award, given to only one individual, in recognition of their research, and it is considered to be the most prestigious research award of the Canadian Orthopaedic Association.

Dr. Jay Wunder was awarded the Wightman-Berris Academy Teaching Award in 2003, for individual teaching excellence. In addition, he was rated as the number one teacher in the Orthopaedic Division of the University of Toronto and was also in the top ten, for the entire Department of Surgery.

Dr. Robert Bell was the scientific honoree of the Israeli Cancer Research Society, for 2003, with a dinner held on May 29, 2003.

Dr. Allan Gross was given the President’s Award of the Canadian Orthopaedic Association, for excellence in recognition of outstanding contribution, to Orthopaedic Surgery, in June 2002.
Urology

Over the past year, the division has been quite active academically. The Urology program’s research focus has been in multiple areas. From fertility, research has included studies on genetics of male infertility, sperm SNA fragmentation, varicocele repairs, bacteriospermia and studies on the use of microsurgical training for microsurgery novices through CRE. Funding for this work has come from the National Institutes of Health, the Physicians Services Incorporated, and industrial support from Solvay Pharmaceuticals, Pfizer Incorporated and Organon Canada. In the past year, articles have been published or have been submitted in all the above areas. Articles have been published in the Journal of Urology, the Journal of Bacteriology, Biochemistry and Research Communications and the Journal of Andrology. In addition, to the peer-reviewed publications, presentations have been made at the Canadian Urology Association, American Urology Association and the American Society For Reproductive Medicine, the Canadian Fertility and Andrology Society. Members of the division have been invited speakers at different academic meetings, in both Canada and in Europe. Ethan Grober (co-supervised by Dr. Jarvi) has finished his research projects in microsurgical training.

Over the past year, we have had significant change in the Urology facilities. We have opened up a new facility at the Mount Sinai Hospital with a substantial donation from Mr. Murray Koffler. With over 8,400 square feet of clinical space, this helps to provide on-site ultrasound imaging, as well as blood tests and semen analysis. The plans are to expand this facility with close to 8,000 square feet of research space, that will be adjacent to it. This new space has allowed us to expand our clinical and research areas in infertility, sexual dysfunction and expand into the entirely new area of prostatitis. This Prostatitis Clinic will be run in conjunction with the pain service or the Wasser Clinic and will include initial assessments, investigation, physiotherapy, psychotherapy, pain management and surgical management if appropriate.

Dr. Zini continues his role in the Canadian Andropause Society as Secretary Treasurer and Dr. Jarvi continues to be a Member of the Society for Studies in Men and Reproduction Board. Divisional members are also ad hoc reviewers for the following journals: the Journal of American Medical Association, Journal of Urology, Fertility and Sterility and the Journal of Andrology. Dr. Jarvi is also an Advisor to the Reproductive Biology Task Force of the Government of Canada. This task force will be providing the advice to the government for plans for control of reproductive technologies, for the years to come. Both Drs. Jarvi and Zini are ad hoc reviewers for peer-reviewed organizations. Dr. Jarvi is on The Kidney Foundation Review panel and both have reviewed for the CIHR.

In the past year, Dr. Jarvi has run the University of Toronto, Urology Research Day and both Drs. Jarvi and Zini have helped to organize the University of Toronto, Urology Update Program, in November 2002.

The SARS outbreak has placed a significant degree of stress on our membership during this past academic year. From mid-March until the end of June of 2003, our total activities have been jeopardized, while our attempts at clinical care activities have decreased to the point where there has been a unanimous agreement by our departmental members, that an alternate funding program is of prime necessity. Therefore, the continuing negotiations for a Phase One Agreement with the Ministry of Health and Long Term Care, to the end of June of 2003, have taken on abnormal proportions and in some ways, have become the most important administrative activity not only for our own Department of Surgery at Mount Sinai Hospital but for all within the Department of Surgery, at the University of Toronto. Phase One Agreement for the Mount Sinai Hospital/University Health Network Alternate Funding Program, was reached in the summer of 2003 and the coming academic year of 2003-2004 will bring further negotiations towards a full Alternate Funding Plan. The Department of Surgery Practice Plan at Mount Sinai Hospital has continued to provide a significant collaborative bond between all the members. We will go forward, hopefully, into a full Alternate Funding Program as one Practice Plan.
Division of General Surgery
Dr. Z. Cohen - Professor
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. Rosen – Professor
Dr. S. Sidlofsky - Assistant Professor
Dr. C.J. Swallow - Associate Professor

Publications


Invited Visits to other Hospitals/Universities


Cohen Z: Shanghai 2nd Medical University Hospital, Beijing, Hong Kong, November 2002. GI Complications of HIV.

Cohen Z: 18th World Congress of Digestive Surgery - 9th Hong Kong Intenational Cancer Congress, Hong Kong, China, December 2002. IBD: Current Trends in Surgical Treatment.

Cohen Z: Beijing University, Beijing, Hong Kong, December 2002. IBD: Current Trends in Surgical Treatment.


MacRae HM: The Surgical Simulation Workshop @ MMVR, Newport Beach, California, January 2003. The Objective Structured Assessment of Technical Skills (OSATS).

McLeod RS: Cleveland Clinical Florida, 14th Annual International Colorectal Disease Symposium, Fort Lauderdale, Florida, February 2003. (1) Quality of life following ileal pouch anal anastomosis - compared to what else? (2) Perianal disease - treating for symptomatic relief or cure. (3) Primary prevention of polyps.


Swallow CJ: Surgical Oncology Network Symposium, Chair, Toronto, Ontario, October 2002. Endocrine Oncology Session.


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 J, Gallinger S, Bapat B, Cotterchio M and 15 others: Canadian Institutes of Health Research ($1,069,000 2001 - 2006).


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


Division of Orthopaedic Surgery
Dr. D. Backstein - Assistant Professor
Dr. R.S. Bell - Professor
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 - Associate Professor

Publications


Gross AE: Cages are the preferred treatment for large acetabular defects. Orthopaedics: April 2003: 26, No. 4: pp 378.


Invited Visits to other Hospitals/Universities


Gross AE: Visiting Scholar in Orthopaedic Surgery - Boston University School of Medicine (Lahey Clinic), Burlington, Massachusetts, March 2003. Revision arthroplasty of the hip classification and treatment guide.


Wunder JS: Connective Tissue Oncology Program Retreat, Ann Arbor, Michigan, March 2003. Predicting Outcomes in Osteosarcoma.

Research and Investigations


Molecular pathology of cartilage neoplasia: The role of parathyroid hormone related protein and Indian hedgehog. Wunder JS, Alman BA: Medical Research Council of Canada ($103,774 2000 - 2003).


Honours Received

Backstein D: John Insall Travelling Knee Fellowship, January 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 - Associate Professor

Publications


Invited Visits to other Hospitals/Universities


Research and Investigations

Senior Investigator’s Name Appears in Italics


At St. Joseph’s Health Centre, our vision is to become the best community teaching hospital in Canada. In the Department of Surgery, we take this vision very seriously. Currently, we have full residency training programs in general surgery and plastic surgery. In orthopaedics, we have junior residents on an ongoing basis. We also accept University of Toronto post-graduate fellows in vascular, thoracic, minimally invasive and general surgery. We currently are ramping up to take post-graduate fellows in surgical oncology and urology.

In November of 2002, we opened two state-of-the-art, minimally invasive surgical suites, which are shared by the various divisions of surgery. These will facilitate post-graduate courses with complete teleconferencing capabilities.

Dr. Ronald Levine continues as Program Director for the Division of Plastic Surgery at the University of Toronto. Dr. Tom Harmantas is Medical Chief of Staff at St. Joseph’s Health Centre. Dr. Douglas Wooster is Chairman of the Standards Committee, Royal College of Physicians & Surgeons.

In terms of post-graduate courses, Dr. Wooster is Course Coordinator for the Vascular Imaging Toronto Course and the American College of Surgeons Post-graduate Course, in Vascular Surgery. Dr. Lloyd Smith organized a course in Laparoscopic Ventral Hernia Repair, for Community General Surgeons.

On June 30/03, Dr. Michael Kliman completed his term as Head of the Service of Orthopaedic Surgery at St. Joseph’s. Dr. Martin Roscoe was appointed Head of Orthopaedics, effective July 1/03.

In June of 2003, Dr. Robert Louch retired from the Division of Vascular Surgery, after 35 years of service to St. Joseph’s Health Centre and the University of Toronto.

Looking to the future, we hope to continue to provide excellence in teaching and clinical surgery.
Division of General Surgery
Dr. M. Baida – Assistant Professor
Dr. A. Harmanatas – Assistant Professor (Division Head)
Dr. R. Hart - Lecturer
Dr. D. Lindsay - Lecturer
Dr. D.L. Smith – Assistant Professor

Division of Orthopaedic Surgery
Dr. A. ElMaraghy – Lecturer
Dr. M. Kliman – Lecturer (Division Head)
Dr. M. Roscoe - Lecturer
Dr. G. Vincent - Lecturer
Dr. M. Wood - Lecturer

Division of Plastic Surgery
Dr. C. Fielding – Lecturer
Dr. L. Kasrai – Assistant Professor
Dr. R. Knowlton - Lecturer
Dr. Levine – Associate Professor (Division Head)

Division of Thoracic Surgery
Dr. C. Compeau - Lecturer
Dr. E. Spratt – Associate Professor (Division Head)

Division of Urology
Dr. A Marcuzzi – Lecturer (Division Head)
Dr. J. Wait - Lecturer

Division of Vascular Surgery
Dr. R. Louch - Lecturer
Dr. D. Szalay – Assistant Professor
Dr. D. Wooster – Associate Professor (Division Head)

Publications

Invited Visits to other Hospitals/Universities

This was a year of disruption at St. Michael’s Hospital, with the development of SARS. SARS had a significant effect, resulting in the cancellation of most elective surgery for three months; in addition planned education events were either cancelled or postponed. We were also saddened with the passing of Dr. Leo Mahoney. However, with determination and perseverance, the six programs defined last year continue to grow, with the Department of Surgery playing a necessary and important role.

Dr. Eric Poulin left St. Michael’s Hospital to pursue his career in Ottawa. The Department would like to thank him for his many years of service, both here at St. Michael’s and Wellesley. The Hospital is in the process of a search for a new Surgeon-in-Chief.

This summer, we saw the opening of the new surgical wing and the opening of The Terrence Donnelly Day Surgery Centre. This new centre provides integrated perioperative services, all on one floor and is a welcoming, pleasant environment, which reduces stress and anxiety for patients and their families. The centre includes a 10-bed ambulatory recovery room, and 39 patient care areas. Approximately 45 patients will come through the unit each day, for ambulatory surgery in six ambulatory operating rooms. The 17 core in-patient operating rooms, will be designated for more serious, longer cases, for patients requiring more intensive surgery.

With improvements in infrastructure our work has been invigorated; the new strategic planning process has been initiated and will be completed in early 2004. Our surgical staff continues to excel. In Neurosurgery, Dr. Richard Perrin, was nominated to the position of Treasurer of the World Federation of Neurosurgical Societies.

In the Division of Urology, Dr. Kenneth Pace has assumed the position of Supervisor of the Year IV Surgical OSCE Examination, commencing September 2003. He also won a Canadian Urological Association (CUA) Scholarship. Dr. John Honey was appointed Chair of the Scientific Program Committee, for the 2003 World Congress of Endourology. Dr. Robert Stewart won the Faculty Teaching Award from University of Toronto Division of Urology and The Clarice Chalmers Teaching Award.

In the Division of Cardiovascular Surgery, Dr. David Latter is the Chief Examiner for the Royal College of Physicians and Surgeons of Canada and he became the Program Director of the Division of Cardiac Surgery, University of Toronto. Dr. Daniel Bonneau is also an examiner with the Royal College. Drs. Yves Leclerc and Lee Errett have established links to the international cardiac surgical fellowship and are helping in the development of a cardiac surgical division, in the Dominican Republic, Trinidad and Cuba. Research interests focus on nutrition of the heart, with multi-centre trials funded by two successful CHIR grants. Despite SARS, the Terrence Donnelly Cardiac Research Day was a success and attracted many of the cardiac surgical residents in Canada, for our Annual Research Day. Dr. Gary Salasidis has left the Division to join a new cardiac program in St. Mary’s General Hospital, in Kitchener. We would like to wish him great success.
The Division of Vascular Surgery is involved in training senior Residents/Fellows at both the National and International level. They are actively looking for a third vascular surgeon to join the Service in 2003-2004.

In the Division of Plastic Surgery, we are recruiting new staff to join in 2004. The Wound Healing and Skin Ulcer Prevention Program, held a very successful multi-disciplinary conference this fall, which attracted participants from across Canada.

From the Division of General Surgery, Christopher Schlachta was appointed Head, Division of General Surgery, St. Michael’s Hospital, and Appointed Chair of the Canadian Association of General Surgeons Committee on Endoscopy and Laparoscopic Surgery. He received the Fitzgerald Academy Outstanding Clerkship Teacher Award and the University of Toronto Surgical Skills Centre Distinguished Education Award, for Contributions in Surgical Skills Education. Dr. Najma Ahmed organized the First Annual Visiting Professors in Trauma Surgery in November 2002. Dr. Marcus Burnstein was appointed chair of the Royal College specialty committee, for Colorectal Surgery and re-appointed chair of the Awards committee, of the American Society of Colon & Rectal Surgeons and to the Examination Board of the American Board of Colon & Rectal Surgery. Dr. Joseph Mamazza was the course co-director for the 2002 Update in Minimally Invasive Surgery and Dr. Robert Mustard received the E. Bruce Tovee Award for Undergraduate Education

The Division of Orthopaedic Surgery flourished with basic and clinical continuing research. Dr. Tim Daniels has received a research grant from the Canadian Orthopaedic Foundation, for his research entitled; “A randomized controlled trial of 1st MTP joint arthrodesis compared to 1st MTP joint hemiarthroplasty in severe hallux rigidus.” Dr. Michael McKee was awarded the R.B. Salter Award for excellence in Teaching, as voted by the Orthopaedic residents.

Other research grants received this year include; Dr. John Bohnen (General Surgery) and co-applicant Lorelei Lingard (Paediatrics) received a PSI Foundation Grant for their project, “Team Talk: An Intervention to structure information-sharing and promote patient safety in the operating room” (shared funding with a two-year Canadian Institutes in Health Research (CIHR) grant). From neurosurgery, Dr. Michael Cusimano received an operating grant from the Ontario Neurotrauma Foundation, for his research titled; “Winning at all costs – Barriers to injury prevention knowledge transfer in minor league hockey in Canada.”

Dr. Christopher Schlachta (General Surgery/Minimally Invasive Surgery), was awarded the Physicians’ Services Incorporated Foundation Grant award, for his research entitled, “Optimizing recovery after laparoscopic colon surgery (ORAL-CS): The effect of intravenous ketorolac on length of hospital stay”.

We look forward to new challenges in the coming year.
Division of Cardiac Surgery
Dr. D. Bonneau - Associate Professor
Dr. D. Courtman – Assistant Professor
Dr. L.E. Errett – Associate Professor  (Division Head)
Dr. D.A. Latter - Associate Professor
Dr. L. LeClerc – Associate Professor

Invited Visits to other Hospitals/Universities
Errett LE: 3rd Annual Cardiac Team Meeting: Minimizing blood loss and exposure to blood products., Montebello, Quebec, September 2002. Moderator: Case study interactive discussions.

Research and Investigations
Senior Investigator’s Name Appears in Italics


Molecular Epidemiology of aneurysm. Lossing A, Errett L: Cellex-C ($1,000,000 1999 - 2002).


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. L.J. Mahoney - Associate Professor
Dr. J. Mamazza - Assistant Professor
Dr. R. Mustard - Assistant Professor
Dr. E.C. Poulin – Professor
Dr. C.M. Schlachta - Assistant Professor (Division Head)

Publications


Schlachta CM, Mamazza J, Gregoire R, Burpee SE, Pace KT, Poulin EC: Predicting conversion in laparoscopic colorectal surgery: Fellowship training may be an advantage. Surgical Endoscopy: May 2003: Online:

Invited Visits to other Hospitals/Universities


Ali J: University of West Indies, Trinidad & Tobago, February 2003. Advanced Trauma Life Support and Prehospital Trauma Life Support, Instructor Update - Trinidad & Tobago Faculty.

Ali J: University of West Indies, Trinidad and Tobago, February 2003. Advanced Trauma Life Support Instructor Course For Jamaica Faculty.

Ali J: University of West Indies, Trinidad & Tobago, February 2003. Advanced Trauma Life Support Update, Jamaica Faculty.

Ali J: University of West Indies, Trinidad & Tobago, February 2003. Advanced Trauma Life Support, Instructor Course.

Ali J: St. George’s University, Grenada, February 2003. Advanced Trauma Life Support, Provider Course.


Schlachta CM: Operating Room Nurses of Greater Toronto (ORNGT), Toronto, Ontario, October 2002. Minimally Invasive Surgery: Where are we and where are we going?

### Research and Investigations

*Senior Investigator’s Name Appears in Italics*


### Honours Received

*Bohnen JMA: Honary Member, Seattle Surgical Society, January 2003.*

*Bohnen JMA: Seattle Surgical Society Visiting Professor, January 2003.*


*Mustard, MD FRCS(C) FACS: Tovee Award for Undergraduate Teaching for 2002/2003, May 2003.*


*Schlacta CM: The University of Toronto Surgical Skills Centre Distinguished Educator Award for Outstanding Contributions to Surgical Skills Education, May 2003.*
Division of Neurosurgery
Dr. M.D. Cusimano - Associate Professor
Dr. R.J. Moulton - Associate Professor (Division Head)
Dr. P.J. Muller – Professor
Dr. R.G. Perrin – Associate Professor
Dr. W.S. Tucker - Associate Professor

Publications


Invited Visits to other Hospitals/Universities


Cusimano MD: Ontario Neurotrauma Foundation, Toronto, Ontario, January 2003. Smart Hockey, can a multimedia educational tool influence knowledge and behaviour in hockey?


Research and Investigations
Senior Investigator’s Name Appears in Italics


Nutritional Status and Body Composition of Patients with Brain Tumors Awaiting Surgical Resection. McCall M, Cusimano M: Canadian Foundation for Dietetic Research ($10,000 2001 - 2002).


Winning at all costs: Barriers to injury prevention knowledge transfer in minor league hockey in Canada. Cusimano MD, Chipman, M; Volp, R; Donnelly, P; Tator, C: Ontario Neurotrauma Foundation ($75,092 2002).

Honours Received
Cusimano MD: Dr. Clarice Chalmers Teaching Award--$10,000, March 2003.
Division of Orthopaedic Surgery
Dr. E.R. Bogoch - Professor
Dr. T.R. Daniels - Assistant Professor
Dr. D. E. Hastings - Professor
Dr. R.J. McBroom - Assistant Professor
Dr. M.D. McKee - Associate Professor
Dr. E.H. Schemitsch - Professor (Division Head)
Dr. J.P. Waddell - Professor

Publications


Invited Visits to other Hospitals/Universities


Bogoch ER: The Osteoporosis Society of Canada Peterborough Chapter, Lindsay, Ontario, October 2002. Fragility Fractures in Older Adults.

Bogoch ER: Wood Professor Lecturer, University of Calgary, Calgary, Alberta, April 2003. My Aching Hip.... Today’s medical / surgical management.

Bogoch ER: Canadian Arthritis Network Special Research Initiative in OA Workshop, Calgary, Alberta, September 2002. Orthopaedic approaches to the management of OA.

Daniels TR: University of Saskatchewan, Orthopaedic Rounds, Saskatoon, Saskatchewan, July 2002. 1) Ankle arthrodesis - Gait analysis and functional outcomes; 2) Management of stage II posterior tibial tendon dysfunction.

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

Daniels TR: New Zealand Continual Education Meeting, Taupo, New Zealand, May 2003. 1) Management of osteochondral lesion of talus; 2) Os calcis osteotomy for posterior tibial tendon dysfunction; 3) Management of recurrent ankle and subtalar instability; 4) Rheumatoid forefoot reconstruction; 5) Management of ankle arthritis - Current concept; 6) Late reconstruction of tarsometatarsal injuries; 7) Management of adult club foot (complications following correction in infancy).

Daniels TR: Canadian Orthopaedic Foot and Ankle Society Annual Symposium, Simon Fraser University at Harbour Centre, Vancouver, British Columbia, April 2003. 1) Surgical treatment of the ulcerated and charcot foot; 2) Acute management of midfoot fracture dislocations.


Daniels TR: St Michael’s Hospital Medical Imaging In-Service Lecture, Toronto, Ontario, October 2002. Radiological views of the foot and ankle: Standing views, hindfoot views, etc.

Daniels TR: St. Michael’s Hospital in partnership with Smith & Nephew Canada - Wound Care Internship Program, Toronto, Ontario, February 2003. The neuropathic foot: Surgical management.


McKee MD: AO North America Visiting Professor, University of Saskatchewan, Saskatoon, Saskatchewan, January 2003. 1) Distal biceps tendon ruptures 2) Terrible triad of the elbow 3) Bone substitutes 4) Vascularized fibular grafts for AVN of the hip.


McKee MD: 8th meeting of the ISFR, Toronto, October 2002. Trauma applications of BMP- a symposium.


Schemitsch EH: Joint and Bone Preservation Surgery of the Hip., Montreal, Quebec, June 2003. 1. Intracapsular fractures of the proximal femur: head and neck fractures. 2. THA after free vascularized fibular graft.


Schemitsch EH: Surgical Advances in Total Hip, Knee and Trauma., Deerhurst, Ontario, June 2003. 1. Trauma Co-Chairperson. 2. Retrograde Nailing of the distal femur. 3. Open tibial fractures. 4. Trauma and Arthroplasty (session moderator). The case of ceramic on ceramic in the 50-year-old requiring THA.


Research and Investigations

Senior Investigator’s Name Appears in Italics

A multicenter prospective randomized trial of conservative treatment vs plate fixation for displaced fractures of the clavicular shaft. McKee MD, Schemitsch EH: University of Toronto, Division of Orthopaedic Surgery Research Committee. ($10,000 2001 - 2002).

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).

A multicenter prospective randomized trial of open reduction and internal fixation vs. total elbow arthroplasty for severe fractures of the distal humerus in elderly patients. McKee MD, Schemitsch EH: Canadian Orthopaedic Trauma Society, Orthopaedic Trauma Association ($30,000 2001 - 2003).

A randomized, prospective clinical trial of arthroplasty versus internal fixation for comminuted fractures of the distal humerus in elderly patients. McKee MD, Canadian Orthopaedic Trauma Society: Zimmer Canada Ltd. ($20,000 2001 - 2003).


How are you now? Testing a model of recovery from patient’s perspective one year after a traumatic fracture of an extremity. Beaton D, Schemitsch EH, Franche RL, Gignac M, Kreder H, Davis A: Canadian Institutes of Health Research ($75,000 2002).


Outcome following experimental production of pulmonary fat embolism. Schemitsch EH: University of Toronto Research Committee ($12,500 2003 - 2004).
Pilot study for a randomized controlled trial of standardized arthroscopic debridement protocol (SADP) versus total knee arthroplasty (TKA) for advanced knee osteoarthritis. Mahomed N, Schemitsch EH, University of Toronto, Arthroplasty Committee: University of Toronto, Division of Orthopaedic Surgery Research Committee. ($10,000 2001 - 2002).


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).


The role of pressure irrigation in modulating cytokines. Bhandari M, Schemitsch EH: Canadian Orthopaedic Foundation ($2,700 2001 - 2002).

Honours Received


McKee MD: Robert B. Salter Award in Excellence for Teaching, October 2002.


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

Research and Investigations
Senior Investigator’s Name Appears in Italics

Honours Received
Division Of Plastic Surgery
Dr. J. L. Mahoney – Associate Professor (Division Head)
Dr. G. Papsin – Lecturer
Dr. W. Peters – Professor

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Division Of Vascular Surgery
Dr. F.M. Ameli - Associate Professor (Division Head)
Dr. A.G. Lossing - Associate Professor

Publications

Invited Visits to other Hospitals/Universities
Heads of Divisions
Dr. S. Fremes – Cardiac Surgery
Dr. A. Smith – General Surgery
Dr. M. Schwartz – Neurosurgery
Dr. T. Axelrod – Orthopaedic Surgery
Dr. J. Semple – Plastic Surgery
Dr. L. Klotz – Urology
Dr. R. Maggisano – Vascular Surgery

The Department had an eventful and productive academic year. The Hospital welcomed a new CEO, Mr. Leo Steven, in the early part of the year. The Hospital requested and underwent a ministerial operational review, with a subsequent increase in the base budget of the Hospital. The Hospital 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.

New Staff
The Department welcomed five new staff members during the academic year. Dr. Gideon Cohen, who received the Fellow of the Year award at the Cleveland Clinic, joined the Division of Cardiac Surgery. Dr. Cohen holds a Ph.D. and is involved in clinical studies of valvular heart surgery. Dr. Cohen is also developing a program of minimally invasive valve surgery. Dr. Robert Nam, 2002 winner of the Canadian Urological Association Young Investigators Award, was welcomed to the Division of Urology. Dr. Nam holds an M.Sc. in Clinical Epidemiology and has an interest in the genetic basis of prostate cancer progression. Dr. Nam has established a laboratory and a clinical practice specializing in urologic oncology. Dr. Farhad Pirouzmand joined the Division of Neurosurgery. Dr. Pirouzmand is working towards an M.Sc. degree in Community Health and Epidemiology and was the Program Director at the University of Saskatchewan. Dr. Pirouzmand’s role will be that of Surgeon-Teacher and he will have a research interest in epidemiology and orbital surgery. Dr. Sandro Rizoli was welcomed into the Division of General Surgery. Dr. Rizoli holds a Ph.D. and has initiated a clinical and laboratory research program on the role of hypertonic saline in fluid resuscitation. Dr. Rizoli is cross-appointed to the Department of Critical Care Medicine. Dr. Lorraine Tremblay was welcomed into the Division of General Surgery. Dr. Tremblay holds a Ph.D. and has a clinical and laboratory interest, in acute lung injury and critical care basic science research. Dr. Tremblay has established a laboratory research program and is cross-appointed to the Department of Critical Care Medicine.

Appointments and Promotions
Dr. Sherif Hanna retired as Head of the Division of General Surgery, having demonstrated excellent leadership and recruitment skills. In January, Dr. Andrew Smith was appointed Head of the Division of General Surgery and the Divisional Director of Process and Quality Improvement. Dr. David Stephen was appointed Medical Director of the Orthopaedic Trauma Service and continues in his role as Chief Examiner of Orthopaedic Surgery for the Royal College of Physicians and Surgeons of Canada.

Dr. Lesley Carr was promoted to Assistant Professor in the Division of Urology. Dr. Carr continues her work directing the Women’s Pelvic Health Centre. Dr. Calvin Law was promoted to Assistant Professor. Dr. Law received his Masters of Public Health Diploma from the School of Public Health at Harvard University.
Educational Activity and Awards
Three Sunnybrook surgeons (Drs. R. Kodama, L. Klotz and P. Binhammer) were amongst the top ten post-graduate teachers according to the University Departmental TES scores. Another four staff members (Drs. C. Law, R. Kodama, G. Hiraki and S. Herschorn) were amongst the top ten clerkship teachers. Dr. Calvin Law received a Clinical Teaching award from the Peters-Boyd Academy. Dr. Midha directed the Second Annual University of Toronto Peripheral Nerve Symposium. Dr. Paul Binhammer won the Freiberg Teaching Excellence Award of the University Division of Plastic Surgery. Dr. Joel Fish won the Bruce Tovee Teaching Award. Dr. John Murnaghan was elected President of the Association for Surgical Education. Drs. Mark Angelini, Aaron Blumenfeld, Tony Finelli and William Andrade received A.W. Harrison awards, for excellence in teaching. Dr. Andrew Smith received an Excellence in Continuing Education Teaching award, from the Peters-Boyd Academy. Dr. Ron Kodama, once again, won the A.W. Bruce Undergraduate Teaching Award, for the Division of Urology. Dr. Robert Nam received the PGY – 5 Surgical Teaching Award, for the University Division of Urology.

Drs. Andy Smith, Claire Holloway, Lavina Lickley, Ted Ross, Peter Chu, Fred Brenneman, Lorraine Tremblay, Sandro Rizoli and Dr. Calvin Law participated in the Update in General Surgery 2003. The 19th Annual Upper Extremity Update, co-chaired by Dr. Richards, unfortunately had to be cancelled due to SARS. Dr. Ted Ross continued to direct the Surgical Clerkship and completed the development of 30 web-based seminars for the Phase I clerkship.

Research Activity and Awards
Dr. Martin Barkin, an Emeritus member of the Department, completed a term as the inaugural Chair of the Amalgamated Institution. A University of Toronto Research Chair was created in honour of Dr. Barkin to support urologic research and education. Dr. Sender Herschorn will be the first holder of the Dr. Martin Barkin Chair. A Chair in Orthopaedic Clinical Epidemiology was established by the Orthopaedic and Arthritic Institute. Dr. Hans Kreder was appointed to this Chair and also won the Edmond G. Bovill award, for the best paper presented at the Annual Orthopaedic Trauma Association meeting.

Dr. Calvin Law received a Canadian Cancer Society research grant for his project on a population-based study, of the outcomes of transanal resection for rectal cancer. Dr. Law also received research funding from The National Cancer Institute of Canada (NCIC). Dr. Raj Midha received funding for the Canadian Institutes of Health Research (CIHR), the National Science and Engineering Research Council (NSERC) and the Physicians’ Services Incorporated Foundation (PSI), for his studies of nerve grafts. Drs. Semple, Fish and Midha continued their worked in advanced regenerative tissue engineering, a project supported by the Ontario Research Development Challenge Fund. Drs. Lavina Lickley and Claire Holloway continued their nationally-funded breast cancer research.

Dr. Laurence Klotz received multiple grants from the Ontario Cancer Research Network and the Prostate Cancer Research Foundation of Canada, for his research in the field of prostate cancer. Dr. Klotz continued his work as Editor for the Canadian Journal of Urology and led National and International genitourinary oncology research organizations. Drs. Andy Smith and Calvin Law received funding from the Ontario Cancer Research Network and the Change Foundation, to improve the colon cancer staging through a multimodal knowledge translation program. Dr. Geoff Fernie received CIHR funding for a study of wheelchair mobility and long-term care residents. Dr. Fernie also received funding from CIHR for a “Robo-Nurse” – a new concept for helping caregivers lift patients. Dr. Kucey received a (PSI) Foundation grant for a study on ruptured aortic aneurysms. Dr. Kucey supervised M.Sc. student Dr. Andrew Dueck, in his study of the incidence and outcome of ruptured aneurysms in Ontario.

Dr. Oleh Antonyshyn received the University Divisional Award in Excellence in Promotion of Research Award. Dr. Mark Pelletier received Dean’s funding, for his funding of marrow stromal cell transmigration post myocardial infarction. Dr. Steve Fremes received a five-year CIHR grant for his multicentre project on radial artery patency.
Other Awards and Activity
Drs. Lavina Lickley and Glen Taylor received Marvin Tile awards for outstanding contributions to the Department. Drs. Massey Beveridge and Peter Chu remained active in International Surgery. Drs. Fred Brenneman, John Cameron and Sherif Hanna continued their leadership in the Institution of Trauma, Musculoskeletal and Surgical Oncology Programs Respectively. Dr. Cecil Rorabeck reviewed the Division of Orthopaedic Surgery and Dr. Renn Holness, reviewed the Division of Neurosurgery.

Dr. John Cameron completed his term as Chair of the Medical Advisory Committee. Dr. Richard Holtby was elected President of the Medical-Dental-Midwifery Staff Association. Drs. Hamilton-Hall, Robin Richards and Marvin Tile, joined the Board of the Sunnybrook and Women’s Foundation, upon the amalgamation of the Foundations of the legacy Institutions. Dr. Claire Holloway sat on the Board of the Women’s College Ambulatory Care Centre. Dr. R. Maggisano was active on the provincial Alternate Funding Plan (AFP) Steering Group. At the end of the year the Department voted to join Phase I of the AFP proposed by the Ministry of Health and Long-Term Care.

Conclusion
Sunnybrook and Women’s College Health Sciences Centre played a major leadership role in the management of the SARS I epidemic, caring for approximately one-half of the patients admitted in the Province. Despite this added stress, surgical activity continued and at the conclusion of the year, the Department was fully engaged in an Institutional focused strategic planning exercise. 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. In addition the Department endeavours to make a substantive and abiding contribution 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. Fремes – Professor (Division Head)
Dr. M.P. Pelletier - Assistant Professor

Publications


Invited Visits to other Hospitals/Universities


**Goldman BS**: Fifth International Symposium on Redo Cardiac Surgery in Adults, Boston, Mass, May 2003. Redo Coronary Artery Bypass: Disciplined Approach to Improve Outcomes.


**Pelletier MP**: American Association of Thoracic Surgeons Annual Meeting, Boston, Massachusetts, May 2003. Late outcomes in patients with uncorrected mild-moderate mitral regurgitation at the time of isolated coronary artery bypass grafting.

**Pelletier MP**: McGill Stikeman Cardiac Surgery Research Day, Montreal, Quebec, May 2003. Late outcomes in patients with uncorrected mild-moderate mitral regurgitation at the time of isolated coronary artery bypass grafting.

**Pelletier MP**: Young Cardiac Surgeons of Canada Meeting, Edward Lifesciences Inc., Turks and Caicos, April 2003. Surgical options for atrial fibrillation.

### Research and Investigations

**Senior Investigator’s Name Appears in Italics**


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).


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).


Stem Cell Chemotaxis in Acute Myocardial Infarction. *Pelletier M*: Research Institute, Sunnybrook and Women’s College Health Sciences Centre ($50,000 2001 - 2003).

The EXPEDITION Trial (Na+/H+ Exchange Inhibition to Prevent Events in Acute Cardiac Conditions).  Fremes, SE (site): Aventis Pharmaceuticals, Inc ($100,000 2001 - 2002).


Honours Received
Goldman BS: Tanya Shulich Award (Clinical Research), June 2003.
Goldman BS: Teaching Award in Cardiac Surgery, October 2002.
Pelletier MP: Clinical Integrative Biology, Research Summer Studentship Program, July 2002.
Division of General Surgery
Dr. F.D. Brenneman - Assistant Professor
Dr. P.T. Chu - Assistant Professor
Dr. S.S. Hanna – Assistant 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

Publications


Invited Visits to other Hospitals/Universities


Holloway CMB: Roche - Presentation to Advisory Board, Toronto Ontario, October 2002. Radioguided Surgery of DCIS.


Research And Investigations

Senior Investigator’s Name Appears in Italics


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

Endovascular thoracic aneurysm repair at Sunnybrook & Women's College Health Sciences Centre. **Pelletier M, Kucey D, Maggisano R: Sunnybrook & Women's College Health Sciences Centre Foundation** ($250,000 2002 - 2004).

Identifying the Educationally Influential Oncologic Surgeons and Pathologists in Ontario Hospitals. **Smith AJ, Wright FC, Law CHL** (co-investigator), **University of Toronto, Faculty of Medicine (Continuing Education)** ($5,000 2002).


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


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


**Honours Received**

**Law CHL:** Peters Boyd Academy Teaching Award (Undergraduate Clinical Teaching), May 2003.

**Smith A J:** McMurrich Award, Gallie Day- for poster Microsatellite Instability occurs at low frequency in resected CRC hepatic metastases (supervisor), May 2003.

**Smith A J:** Peters-Boyd Award for Excellence in Continuing Education (SWCHSC), May 2003.
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


Schwartz ML: Trauma Association of Canada, Banff, Alberta, March 2003. What’s new in head injury management?

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).

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 - Assistant 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.E. 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


Hall H: Point of View: The Effect of McKenzie Therapy as compared with that of Intensive Strengthening Training for the Treatment of Patients with Subacute or Chronic Low Back pain: A Randomized Controlled Trial. Spine: August 2002: 27(16): pp 1709.


Kreder HJ: Commentary: Physiotherapy or a wait and see policy were the best options for lateral epicondylitis at one year. ACP Journal Club/Annals of Internal Medicine: September 2002: 137: pp 65.


**Invited Visits to other Hospitals/Universities**

**Axelrod TS:** AO North America Continuing Medical Education, Toronto, Ontario, November 2002. AO Advanced Controversies in Fracture Care: Course Chairman.

**Axelrod TS:** AO North America Continuing Medical Education, Toronto, Ontario, November 2002. AO Advanced Controversies in Fracture Care: Laboratory; Pre-operative Planning of Forearm Fracture Internal Fixation.

**Axelrod TS:** AO North America Continuing Medical Education, Toronto, Ontario, November 2002. AO Advanced Controversies in Fracture Care: Lectures: The Role of Primary Arthroplasty in Distal Humerus Fractures, Is There Still a Role for Autogenous Bone Grafting?

**Axelrod TS:** Orthopaedic Trauma Association, Toronto, Ontario, October 2002. Orthopaedic Trauma Association Resident Basic Fracture Course: Closed Managment of Distal Radius Fractures, Lecture and Hands-on Workshop.

**Fernie GR:** CIHR Institute of Musculoskeletal Health and Arthritis, Calgary, Alberta, January 2003. Assistive technology and rehabilitation (invited panel presentation) Special conference “IMHA On the Move”.

**Fernie GR:** IMHA Stakeholders’ Meeting, Calgary, Alberta, February 2003. CIHR Mobility Consensus Workshop Report.
Fernie GR: Gerontechnology, Miami, Florida November 2002. Does sideways movement increase mobility and manoeuvrability in a powered wheelchair?


Hall H: CBI Health, Quebec City, Quebec, April 2003. Managing the Pain Focused Patient.


Hall H: CBI Health, Barrie, Ontario, September 2002. The family doctor’s role in return to work.


Kreder HJ: Quebec Orthopaedic Association, Montreal, Quebec, May 2003. Visiting Professor.


Maki BE: AGILE Conference on Exercise and the Older Person, Chartered Society for Physiotherapy, Portsmouth, United Kingdom, September 2002. Control of rapid limb movements for balance recovery: age-related impairment and the implications for fall prevention.


Research and Investigations

Senior Investigator’s Name Appears in Italics


Development of a metastatic femur model to study pressurization during prophylactic fixation. Whyne C, Kreder H: Dean’s Fund, University of Toronto ($10,000 2001 - 2002).

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: An interdisciplinary capacity enhancement team. Coyte PC and McKeever PD, Fernie GR et al: Canadian Institutes of Health Research (CIHR) ($1,980,000 2003 - 2007).


Health care, technology, and place: A transdisciplinary research training program. McKeever PD, Fernie GR et al: Canadian Institutes of Health Research (CIHR) ($616,000 2002 - 2008).


Pre-commercialization stage of “LifeRail”: a new concept for helping people at risk of falls and with mobility limitations to safely ascend and descend stairs. *Fernie GR, Maki BE: Canadian Institutes of Health Research (CIHR)* ($99,850 2001 - 2002).

Planning and organizing Canadian Institutes of Health Research Mobility Consensus Conference, Toronto. *Fernie GR, Richards C, Olney S, Hebert R, Frank J, Frank C: Canadian Institutes of Health Research* ($150,000 2002).


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).


**Honours Received**

**Fernie GR:** Award of Recognition by MEDEC presented at the TechMed Conference at the University of Western Ontario for “exceptional accomplishments, exemplary leadership and tireless commitment to the advancement of medicine in Canada and internationally”, June 2003.

**Kreder HJ:** Chair, Orthopaedic Clinical Epidemiology, Orthopaedic & Arthritic Institute, Sunnybrook & Women’s College Hlth Sci Ctr., University of Toronto, September 2002.

**Kreder HJ:** The Edwin G. Bovill Award for best paper presented at the Annual Orthopaedic Trauma Association Meeting, February 2003.

**Richards RR:** R. W. McGraw Lecturer, University of British Columbia, May 2003.

**Yee AJM:** Canadian Back Institute Award, 2002 Kennedy Visiting Professorship Day, Division of Orthopaedic Surgery, University of Toronto “Photodynamic Therapy: Potential Use in Spinal Metastases” Shane Burch, Albert Yee, Joel Finkelstein, Brian Wilson, November 2002.
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 - Assistant Professor
Dr. A. J. Fialkov – Assistant professor
Dr. M.H. Brown - Assistant Professor
Dr. J.L. Semple - Associate Professor (Division Head)

Publications


Martin D, Umraw N, Gomez M, Cartotto RC: Changes in subjective vs. objective burn scar ratings over time: Does the patient agree with what we think? Journal of Burn Care and Rehabilitation: June 2003: 24: pp 239-244.


Invited Visits to other Hospitals/Universities


Semple JL: Sunnybrook & Women’s College Health Sciences Centre, Toronto, Ontario, March 2003. Presentation at Workshop on “Future Directions of Surgery Services”.

**Research and Investigations**

*Senior Investigator’s Name Appears in Italics*

*Terzopoulos D, McInerney T, Antonyshyn O: CITO (Communications and Information Technology Ontario) ($240,000 1998 - 2003).*

BoneSource survival following applications in craniofacial surgery: An invivo study of volume retention and revascularization.  
*Antonyshyn O, Fialkov J, Caldwell C: Stryker Canada ($59,600 1999 - 2002).*

Economic evaluation of interavenous immune globulin treatment in patients with toxic epidermal necrolysis.  
*Fish J, Shear N, Knowles S, Gomez M: partnership fund competition ($30,000 2001 - 2002).*

Educational Funding - Craniofacial Skills Lab.  
*Fialkov JA: Liebinger- Stryker ($50,000 2002 - 2003).*

Implant modeling and rapid prototyping in facial asymmetry correction.  
*Antonyshyn O, Edwards G, Mainprize M: Stryker/Leibinger Inc ($38,500 2002 - 2004).*

Is Patient Satisfaction Altered by Knowledge of Their Post-Ablative Deformity.  
*Rice S, Fialkov JA: Educational Foundation of the Canadian Society of Plastic Surgery ($10,000 2002 - 2003).*

Research Summer Studentship Award: Investigation of Morphing as a Tool for Assessing Morphological Outcomes of Facial Surgery.  
*Antonyshyn O, Pahuta M, Edwards G, Mainprize M: Sunnybrook Research Foundation ($1,600 2003).*

Role of IVIG in the treatment of TENS.  
*Cartotto RC, Shortt R: Bayer Inc. Summer Student Grant ($2,000 2002).*

**Honours Received**

Antonyshyn O: W.K. Lindsay Research Supervisor Award, March 2003.
**Division of Urology**
Dr. L.K. Carr – Assistant Professor  
Dr. S. Herschorn – Professor  
Dr. L.H. Klotz – Professor (Division Head)  
Dr. R.T. Kodama – Associate Professor  
Dr. R.K. Nam - Assistant Professor

**Publications**


Invited Visits to other Hospitals/Universities


Klotz LH: Reunion de la asociacion nacional de urologos egresados del centro medico la raza, Mexico City, Mexico, January 2003. Adjuvant therapy for localized prostate cancer.


Research and Investigations

Senior Investigator’s Name Appears in Italics


A prospective phase 3 randomized trial comparing intermittent versus continuous androgen suppression for patients with PSA progression in the clinical absence of distant metastases following radiotherapy for prostate cancer. Klotz LH, Crook J: National Cancer Institute of Canada/Hoechst Marion Roussel ($2,800,000 1997 - 2002).


SELECT Trial (Vitamin E and Selenium for Prevention of Prostate Cancer: A randomized trial. Funded at $170,000,000. over 10 years. Coltman, C., Many co-investigators with the South Western Oncology Group including Klotz LH: NIH ($170 1999 - 2009).


Honours Received

Klotz LH: Visiting Professor, Division of Urology, University of Western Ontario, May 2003.

Nam RK: Canadian Urological Association Scholarship Award, June 2003.

Nam RK: University of Toronto, Division of Urology, Postgraduate Teaching Award, June 2003.
Division of Vascular Surgery
Dr. D.S. Kucey - Assistant Professor
Dr. R. Magissano – Assistant Professor (Division Head)

Publications

Research and Investigations
Senior Investigator’s Name Appears in Italics


Honours Received
The Toronto East General surgical program was dramatically affected by SARS I, with our elective surgical practice on hold for weeks, as we went from a level 2 to 1 and finally 0. Only emergency or time-sensitive urgent patients were accommodated. Being an East Toronto hospital, our emergency department saw record volumes of patients with SARS 2 and this led to increased admissions which overflowed into the surgical beds, again affecting surgery; this time inversely allowing day surgery to continue but limited surgical admissions for the more complicated cancer and orthopaedic patients. It has been a challenge in communication, fair allocation of resources and a shortage of intensive care beds.

Fortunately the Toronto East General Hospital has been able to open an extra OR this September, bringing our number to 12 OR theatres five days a week. This will help with our backlog. We have a healthy Anaesthesia department at present and hope to address some of the inequities suffered during SARS.

Dr. Marc Dupere joined our surgical department in November 2002, as our fifth Plastic Surgeon. Marc obtained his MD in Montreal and completed his Plastic Surgical training, in the University of Toronto Gallie Program. Marc spent a travelling fellowship in France, to augment his interest in reconstructive breast surgery.

This year we have had three busy fellowships in Urology, Orthopaedics and General Surgery. Our Urology division is now experienced in laproscopic nephrectomy.

**Division Of General Surgery**
Dr. P. Bernick - Assistant Professor  
Dr. T. Gilas – Lecturer  
Dr. B. MacKenzie – Assistant Professor  
Dr. P. Sullian – Lecturer

**Division Of Orthopaedic Surgery**
Dr. T.W. Barrington - Assistant Professor – Senior Staff  
Dr. M. Catre - Lecturer  
Dr. D.C. Evans - Assistant Professor  
Dr. I.J. Harrington - Associate Professor – Senior Staff  
Dr. W.J. Kraemer - Lecturer  
Dr. G.L. Maistrelli - Associate Professor (Division Head)  
Dr. P.J. Weiler – Assistant Professor  
Dr. P. Wong - Lecturer

**Publications**


Invited Visits to other Hospitals/Universities

Harrington IJ: Workplace Safety and Insurance Board, Appeals Tribunal, Toronto, Ontario, April 2003. Does an injury to one leg cause damage to the other lower limb?

Maistrelli GL: University of Bari, Visiting Professor, Bari, Italy, June 2003. 1) Bone Grafting The Deficient Acetabulum
2) The Role Of HA Coatings.

Maistrelli GL: Northern Italian Orthopaedic Society 50th Annual Meeting, Pavia, Italy, June 2003. 1) Knee Deformities
In Total Knee Arthroplasty 2) Advances In Cementless Sockets.

Division Of Plastic Surgery
Dr. T. M. Born – Lecturer
Dr. H.C. Hall – Assistant Professor
Dr. L. Tate – Lecturer – (Chief Surgeon)

Invited Visits to other Hospitals/Universities
Born TM: 29th Educational Symposium Annual Meeting CSA(C)PS, Toronto, Ontario, October 2002. Micro fat grafting
and facial contouring.

Division of Thoracic Surgery
Dr. B. Zeldin - Assistant Professor (Division Head)

Division of Urology
Dr. B. MacMillan - Assistant Professor
Dr. R. Singal - Lecturer (Division Head)

Division of Vascular Surgery
Dr. V. Campbell - Lecturer
Dr. W. Tanner - Lecturer
Heads Of Division
Dr. T. David – Cardiac Surgery
Dr. O. Rotstein – General Surgery
Dr. C. Wallace – Neurosurgery
Dr. R. Davey – Orthopaedic Surgery
Dr. P. Neligan – Plastic Surgery
Dr. N. Fleshner – Urology
Dr. W. Johnston – Vascular Surgery

Clinical Activities
The members of Surgical Services actively participated in our seven program groupings. In Cardiac Surgery, despite many pressures, surgeons carried out 2,166 open-heart procedures, 20 transplants, and a variety of other important cardiac operations.

The Transplant Program was very active again this year, with 260 major solid organ transplants. The Living Related Program in both liver and kidney once again was extremely successful, and the Left Ventricular Assist Device (LVAD) Program in Cardiac Surgery, continued in a controlled fashion because of designated budgetary controls.

Surgical Oncology was represented by general surgery (head and neck, Hepatopancreatobiliary (HPB) and breast), urology (prostate and kidney), gynecologic oncology, otolaryngology (head and neck), and thoracic surgery at the Toronto General/Princess Margaret Hospitals site. Neuro-oncology continued to be a major focus in the Neural and Sensory Program at the Toronto Western Hospital site. A system of waiting time capture was instituted, and this matured during the year. Waiting times were assessed (from decision to operate – surgery and from referral – surgery). Throughout the year, these average times actually climbed from unacceptable levels to even less acceptable levels, related to problems with budgetary constraints and the SARS crisis. The members of surgical services contributed to a proposal of $9.117 million dollars, for increased surgical oncology funding, and approximately $6.1 million dollars was granted in early May, 2003, resulting in increased surgical oncology operating time.

The MIS element of community and population health was happy to recruit Dr. Todd Penner at the Toronto Western site, an expert in minimally invasive surgery.

Education
All divisions in the Department of Surgery contributed in major ways to both volume and quality of teaching in the 2002-2003 fiscal year. A number of surgeons were important educational administrators as well, with surgical clerkships being handled by Dr. Charles Peniston (Toronto General Hospital) and Dimitri Anastakis (Toronto Western Hospital), the Director of Surgical Education Dr. Richard Reznick, the Director of University Health Network Postgraduate Education Dr. Magdy Hassouna, and the Director of Undergraduate Surgical Education, Dr. Michele Carr - (ENT). Our surgeons are in general highly-rated in terms of both TES scores and the winning of teaching awards:
Teaching Prizes were won by the following:
Dr. R.J. Cusimano – Anderson Award.
Dr. Ian McGilvray – Undergraduate Education Award from Wightman-Berris Academy.
Dr. Fred Gentili – Wightman-Berris Academy Individual Teaching Award and UHN Ross Flemming Teaching Award.
Dr. Mark Bernstein – Wightman-Berris Academy Award.
Dr. Chris Wallace – Wightman-Berris Academy Award.
Dr. Tom Waddell – Undergraduate Teaching Award from the Wightman-Berris Academy and Dr. Bob Ginsberg - Division of Thoracic Surgery’s R.J. Ginsberg Award, for the best postgraduate teacher.
Dr. Michael Jewett – Urology Division Postgraduate Teaching Award.

Research
The research accomplishments of members of the Department of Surgery have been outstanding in terms of papers published, invited talks and grants held. Dr. Chris Paige also provided a bibliometric analysis for 2003 of all University Health Network surgeons, attesting to the large number of citations. A number of research awards were also given to members of the department:
Dr. Dick Weisel – inaugural winner of the Charles Tator Surgeon-Scientist Mentoring Award.
Dr. Tirone David – Golden Hippocrates International Award Recognizing Excellence in Medicine.
Dr. Richard Reznick – Gallie Lecturer at the Royal College Meeting.
Dr. David Urbach – Career Scientist Award from the Ministry of Health, Health Research Personnel Development Program.
Dr. Michael Tymianski – George Armstrong Peters Prize for 2003 as well as the Royal College Medal in Surgery.
Dr. Andrei Krassioukov – Larson Award from the American Association of Neurological Surgeons.
Dr. Andres Lozano – named to the Science Advisory Council of Neuroscience Canada.
Dr. Nizar Mahomed – American-British-Canadian Travelling Fellowship of the Canadian Orthopaedic Association (COA).
Dr. Rod Davey – Hong Kong Ambassador of the Canadian Orthopaedic Association (COA) for 2003.
Dr. Peter Neligan – Visiting Professor of the Plastic Surgery Educational Foundation 2003.
Dr. Ralph Manktelow – establishment of the Ralph T. Manktelow Lectureship in Hand Surgery.
Dr. John Trachtenberg – recognized by the Canadian Society for the Weizmann Institute of Science.

Promotions
In July 2002, Dr. Raj Rampersaud was promoted to Assistant Professor, and Drs. Michael Tymianski, Andres Kapus, William Hutchison, and Neil Flesher were all promoted to Associate Professor. Full Professor status was awarded to Drs. Peter Neligan, Chris Feindel, Tony Miniaci, Shaf Keshavjee, Lorne Rotstein and Ren-Ki Li. As of July 1st, 2003, Drs.Terry Yau, Dimitri Anastakis, Rod Davey, Andrei Krassioukov and Nizar Mahomed were promoted to Associate Professor.

Endowed Chairs
Members of University Health Network Surgical Services now have 16 endowed chairs. The most recent appointments were Dr. Nizar Mahomed as the first recipient of the Smith & Nephew Chair in Orthopedic Research, Dr. David McCready as the first holder of the Gattuso Chair in Breast Surgical Oncology, and Dr. Ab Guha as the inaugural holder of the Susan and Alan Hudson Chair in Neuro-Oncology. An additional chair, the Tyco Chair in Minimally Invasive Surgery was funded, and will be searched when adequate hospital resources can be confirmed for the first holder.

Reviews
There were a number of formal reviews of our divisions carried out in the past year. The Cardiac Division under Dr. Tirone David was reviewed by Dr. Eric Rose from Columbia University and was regarded as “the leading academic cardiothoracic unit in Canada and amongst the handful of leading units in North America”. In addition, the University of Toronto Cardiac Division, under the chairmanship of Dr. Dick Weisel, was reviewed and both Drs. Weisel and David were enthusiastically supported for reappointment.

General Surgery was reviewed by Dr. Nicolas Christou, Chair of General Surgery at McGill University, who stated “I was extremely impressed with the performance of the division under Dr. Ori Rotstein’s outstanding leadership”. Dr. Rotstein was reappointed as well.
The Neurosurgical Division was reviewed by Dr. Mitch Berger from San Francisco who indicated “the overall program is widely regarded as a dominant force in academic surgery, especially in the areas of neuro-oncologic surgery, including skull base, movement disorders, cerebrovascular surgery, neurospinal disorders, and pituitary surgery”.

The Division of Orthopaedic Surgery and its leadership under Dr. Rod Davey, was reviewed by Dr. Bob Bourne from the University of Western Ontario. He stated that “Dr. Davey has earned a great deal of respect in his role as division head, has unified the division and has recruited well”. Dr. Davey was also recommended to continue for another five-year term as division head.

The Vascular Surgery Program was reviewed at the beginning of the fiscal year by Dr. Ken Harris, Chair of Surgery at University of Western Ontario, who reported “the previous review stated that Vascular Surgery at University of Toronto, was the premier vascular training program in Canada. This remains true and the program is one of the top academic programs in North America”. Dr. Wayne Johnston came to the end of his University Health Network division headship and chairmanship at University of Toronto and those positions are currently being searched.

Recruitment and Departures in the Department of Surgery
During the 2002-2003 fiscal year, there were six important recruits. Dr. Todd Penner came as an expert in minimally invasive surgery to the Division of General Surgery, at the Toronto Western Hospital site. Dr. Eric Massicotte was recruited as a spine surgeon in the Division of Neurosurgery and the Spine Program. Dr. Johnny Lau came as a foot and ankle specialist to the Division of Orthopaedics at the Toronto Western Hospital. Dr. Neil Fleschner was recruited from Sunnybrook and Women’s Health Sciences Centre to be the head of urology at the University Health Network and a significant contributor to the Surgical Oncology Program. Dr. Andrew Pierre was recruited as a specialist in minimally invasive surgery, transplant and surgical oncology, based at the Toronto General/Princess Margaret Hospital sites. Finally, Dr. Michael Borger was recruited as a cardiac surgeon interested in minimally invasive and robotic surgery, as well as complex valve surgery.

Drs. Kamal Thapar and Phil Porter left University Health Network in October 2002, as they were recruited to Eau Claire, Wisconsin to set up a new neurosurgical unit there. In the first quarter of the academic year, Drs. John Tsihlias (urology – Trillium Health Sciences Centre in Mississauga) and Dr. Phil Haigh (general surgery – California), both surgical oncologists, left University Health Network. At the end of the fiscal year, Dr. Tony Miniaci, a valued member of the Musculoskeletal Health & Arthritis (MHA) Program (arthroscopy and other procedures), announced his acceptance of a position as Director of sports medicine, at the Cleveland Clinic.

The Division of Thoracic Surgery and the Department lost a world-class surgeon, investigator, teacher and friend, when Bob Ginsberg died on March 1. He was honoured at a wonderful day of tribute three weeks before his death, when surgeons from across the world came to honour this great man. He will be missed.

AFP Discussions – Drs. Barry Rubin and Bryce Taylor were involved in Alternate Funding Plan discussions for the whole year. As of July 1, 2003, it is hoped that Phase I agreements, will be signed by all surgeons in the coming weeks.

Recent SARS Crisis
The SARS crisis obviously hit all surgical services in downtown Toronto very hard and University Health Network activities were compromised to no greater degree than those at other centers such as St. Michael’s Hospital and Sunnybrook and Women’s Health Sciences Centre. However, because of the previous cutbacks that were not experienced by other hospitals the SARS crisis was particularly devastating.

Despite the challenges facing surgery at University Health Network during the 2002-2003 year, the academic and clinical productivity of surgeons was admirable.
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 – Professor (Division Head)
Dr. C.M. Feindel - Professor
Dr. J. Ivanov - Assistant Professor
Dr. R.K. Li - Professor
Dr. L. Mickleborough - Professor
Dr. C.M. Peniston - Assistant 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**

**Borger MA**: Young Cardiac Surgeons of Canada, Providenciales, Turks and Caicos, April 2003. Left ventricular reconstruction.


**Brister SJ**: St. Michael’s Hospital, Toronto, Ontario, December 2002. Antiplatelet Agents in Cardiac Surgery: Is the risk real or imagined?


**David TE**: NewEra Cardiac Care 2003 (in cooperation with the University of California), Irvine College of Medicine, Dana Point, California, January 2003. (1) Cardiac care in Canada; (2) Bioprosthetic valves.


**David TE**: American Society of Echocardiography, Las Vegas, Nevada, June 2003. (1) Surgery for complications of myocardial infarction; (2) Surgical management of mitral valve disease: State of the art; (3) Clinical decision-making with structural mitral valve disease: Illustrative cases; (4) Mitral annular reconstruction.

**David TE**: Italian Society of Cardiac Surgery, Rome, Italy, November 2002. Aortic valve and ascending aorta reconstruction vs cryopreserved allografts in the treatment of the ascending aorta pathologies.


**David TE**: New Technology Committee of EACTS, Monte Carlo, Monaco, September 2002. Keynote lecture: Repetition is the mother of skill.
**David TE:** St. Jude Medical Europe, Monte Carlo, Monaco, September 2002. Rationale for biological heart valve usage.

**David TE:** Society of Cardiac Surgeons, Magog, Quebec, June 2003. The challenge of valve sparing in aortic surgery.

**David TE:** University of Ottawa Heart Institute, Ottawa, Ontario, September 2002. The rationale for mitral valve repair in asymptomatic patients with mitral regurgitation.

**David TE:** Sorin Biomedica Cardio, Monte Carlo, Monaco, September 2002. What have we learned about AVR with stentless bioprosthetic valves?

**Feindel CM:** New Brunswick Heart Centre, St. John, New Brunswick, September 2002. Cardiac Surgery - “A decade of experience” at the NBHC: How future advances will affect our patients.

**Feindel CM:** Medico-Legal Society of Toronto, Toronto, Ontario, November 2002. Heartwines.

**Feindel CM:** Peak Performance XVI, Whistler, British Columbia, February 2003. Session Chair - The Changing Face of Cardiac Surgery (Two case presentations).

**Feindel CM:** SATS - 52nd Annual Meeting, Turku, Finland, June 2003. Surgery of the Aortic Root and Valve Sparing Operations.


**Li R-K:** Cardiovascular Developmental Biology Center Symposium, Charleston, South Carolina, March 2003. Cell Transplantation to Restore Cardiac Function: Mechanism of Benefit (invited speaker).

**Li R-K:** 8th Symposium on Myocardial Ischemia, Korea University, Seoul, Korea, October 2002. Stem cell and myocardial regeneration (invited speaker).

**Mickleborough LL:** Cleveland Clinic Heart Failure Summit, Cleveland, Ohio, August 2002. LV reconstruction for ischemic cardiomyopathy.


**Peniston CM:** Congress Peru, Monterrico Lima San Pablo, August 2002. (1) Aortic Dissection-Lecture. (2)Aortic Surgery in Patients with Marfan’s Syndrome – Lecture. (3) Cerebral Protection – Lecture.


**Peniston CM:** 6th Annual GTACC Retreat: Partners in Care, Huntsville, Ontario, June 2003. On or Off Pump - Surgical Debate.

**Peniston CM:** 55th Annual Meeting of the Japanese Association for Thoracic Surgery, Fukuoka, Japan, October 2002. Paradise Lost - 40 Years of Toronto-Japan Cardiovascular Surgical Heritage (Dr. A.S. Trimble, presenting)-Dr. C. M. Peniston - Commentator.

**Rao V:** 18th Annual Cardiovascular Conference, Lake Louise, Alberta, March 2003. Ethical issues with mechanical circulatory support.


**Rao V:** 18th Annual Cardiovascular Conference, Lake Louise, Alberta, March 2003. Heart transplantation: Where we are...where we’re going.


**Rao V:** Canadian Cardiovascular Society, Edmonton, Alberta, October 2002. Mechanical circulatory support: Establishing new programs and funding.


Rao V: Options and Outcomes (Medtronic), Toronto, Ontario, August 2002. Twenty year experience with the Hancock II bioprosthesis.


Scully HE: Canadian Medical Association, Task Force Two, Chair, Toronto, Ontario, September 2002. School of Health Policy Management, University of Toronto.

Weisel RD: National Institutes of Health and National Heart, Lung and Blood Institute, Bethesda, Maryland, June 2003. Adjuncts to cardiac surgery.

Weisel RD: Stem Cells in Clinical Practice Session of the American College of Surgeons, San Francisco, California, October 2002. Cardiac regeneration with adult stem cells.


Weisel RD: Beth Israel Deaconess Medical Center, Boston, Massachusetts, October 2002. Cell transplantation to prevent heart failure.


**Weisel RD:** New Era Cardiac Care Symposium, Dana Point, California, January 2003. Cell transplantation to prevent heart failure.

**Weisel RD:** Western Thoracic Surgical Association, Carlsbad, California, June 2003. Cell transplantation to prevent heart failure.

**Weisel RD:** Transplantation Society, Miami, Florida, August 2002. Cell transplantation to restore cardiac function.


**Weisel RD:** Symposium “Perioperative MI in Patients Undergoing CABG Surgery: Is It More Common Than We Realize?”, Miami Beach, Florida, April 2003. Future novel approaches to preventing myocardial infarction in CABG patients.

**Weisel RD:** New Era Cardiac Care Symposium, Dana Point, California, January 2003. How to obtain grant funding as an academic surgeon.

**Weisel RD:** San Diego Cardiothoracic Surgery Symposium, San Diego, California February 2003. Myocardial protection.

**Weisel RD:** Redo Cardiac Surgery in Adults Symposium, Boston, Massachusetts May 2003. Myocardial protection in redo cardiac surgery.

**Weisel RD:** Cardiac BioInterventions, San Francisco, California, October 2002. Myogenesis and angiogenesis.


**Weisel RD:** Controversies in Adult Cardiac Surgery Symposium, Los Angeles, California October 2002. Stem cells and angiogenesis.

**Yau TM:** Canadian Cardiovascular Society, Edmonton, Alberta, October 2002. Cardiovascular care in the elderly.


### Research and Investigations

*Senior Investigator’s Name Appears in Italics*


Endothelial preservation for cardiac transplantation. *Rao V: Dean’s Fund, University of Toronto* ($10,000 2002 - 2003).


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

**EXPEDITION Trial** (Na+/-H+ exchange inhibitor to prevent coronary events in acute cardiac conditions. *Yau TM, Weisel RD: Aventis Pharma* ($130,200 2001 - 2003).


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


**Quest Trial.** *Weisel RD, Rao V, Yau TM: Quest Medical, Inc.* ($50,000 2001 - 2005).


**Honours Received**

**David TE:** Golden Hippocrates International Award, April 2003.

**David TE:** Honorary Member, Italian Society for Cardiac Surgery, November 2002.

**Weisel RD:** Council on Cardiothoracic and Vascular Surgery Mentor Award, American Heart Association, November 2002.

**Weisel RD:** John Foerster Lecturer Award, Institute of Cardiovascular Sciences Awards, Winnipeg, Manitoba, October 2002.
Division of General Surgery
Dr. M.S. Cattral - Associate Professor
Dr. A. Dackiw - Assistant Professor
Dr. A. Easson – Lecturer
Dr. R. Gorczynski - Professor
Dr. D. Grant - Professor
Dr. P.D. Greig - Professor
Dr. H.S. Himal - Associate Professor
Dr. A. Kapus - Associate Professor
Dr. B. Langer - Professor
Dr. J.C. Marshall - Professor
Dr. R.E. Mathews - Assistant Professor
Dr. D.R. McCready - Associate Professor
Dr. I. McGilvray - Assistant Professor
Dr. T. Penner – 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


Dixon E, Vollmer CM, Greig PD, Gallinger S: HPB Clinics around the world - The University of Toronto HPB Program at the Toronto General Hospital. HPB Surgery: May 2003: 5: pp 39-42.


Invited Visits to other Hospitals/Universities


Dackiw: Endocrine Surgery Session, Society of Surgical Oncology, Los Angeles, California, March 2003. Chair.


Langer B: Hong Kong Academy of Medicine, Hong Kong, December 2002. CPD: Good for the physician and the patient.

Langer B: Department of Visceral and Transplant Surgery, University of Zurich, Zurich, Switzerland, June 2003. Expectations of the 21st century surgeon - beyond knowledge and skills.


Marshall JC: Visiting Professor, University College, Dublin, Ireland, April 2003. From SIRS to SARS: Reflections on host-microbial interactions.


Reznick RK: 1st Annual Surgical Education Grand Rounds Visiting Professor, Stanford University, Palo Alto, California, November 2002. Born to be Good, Train to be Great.

Reznick RK: Regina Qu’Appelle Health Region Medical Education Visiting Professor, Regina, Saskatchewan, January 2003. Born to be good, train to be great.

Reznick RK: L.B. Sanders Memorial Lecture, Lahey Clinic, Burlington, Massachusetts, February 2003. Born to be good, trained to be great.


Reznick RK: Gordon Bethune Visising Professor, Dalhousie University, Halifax, Nova Scotia, May 2003. Our bench is a skills lab, our bedside is the surgical resident.


Reznick RK: Northwestern University Visiting Professor, Chicago, Illinois, November 2002. See one, do one thousand, teach one.

Reznick RK: McGill University, Montreal, Quebec, October 2002. Special Lectureship in Medical Education: A Road Less Traveled By.

Reznick RK: Regina Qu’Appelle Health Region Medical Education Visiting Professor, Regina, Saskatchewan, January 2003. Surgical Education - The road less traveled by.

Reznick RK: The Royal College of Surgeons of England, Raven Department of Education, London, England, July 2002. The qualities of a surgeon, we know what they are but can they be measured?


Taylor BR: Osler Health Sciences Centre, Toronto, Ontario, October 2002. The Role of Doctors in Hospital Administration.


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


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).


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).


**Honours Received**

**Urbach DR:** Abstract Winner (Health Informatics), University Health Network Research Day, November 2002.

**Urbach DR:** Ontario Ministry of Health and Long-Term Care, Career Scientist Award, July 2002.

**Kapus A:** Premier Research Excellence Award: The role of cortactin in cell migration and tumor invasiveness, March 2003.

**Langer B:** Honorary Fellowship, Academy of Medicine of Singapore, Singapore, August 2002.

**Rotstein OD:** Charles A. Tator Mentoring Program Award, May 2003.

**Rotstein OD:** Northrope Frye Award - Surgeon Scientist Program, March 2003.
Division of Neurosurgery
Dr. M. Bernstein - Professor  (Division Head – July 02)
Dr. K.D. Davis - Associate Professor
Dr. J.E. Eubanks - Associate Professor
Dr. M.G. Fehlings - Professor
Dr. F. Gentili - Associate Professor
Dr. A. Guha - Professor
Dr. A. Krassioukov - Associate Professor
Dr. A.M. Lozano – Professor
Dr. E. Massicotte – Assistant Professor
Dr. J.A. Saint-Cyr - Professor
Dr. C.H. Tator - Professor
Dr. M. Tymianski - Associate Professor
Dr. M.C. Wallace – Professor (Division Head – July 03)

Publications


Invited Visits to other Hospitals/Universities
Bernstein M: Algonquin Health Services, Huntsville, Ontario, June 2003. (1) Bioethics 101 ; (2) How should AHS handle bioethics?

Bernstein M: Invited Lecturer at National neurosciences Center, Medical College of Kolkata, Kolkata, India, October 2002. (1) Image- and function-guided surgery for brain tumours; (2) Ethical issues in neuro-oncology ; (3) Neurosurgery post-graduate training in Canada.

Bernstein M: Canadian Congress of Neurological Sciences, Quebec City, Quebec, June 2003. (1) Surgical management of gliomas: Current approaches and future directions ; (2) What’s new in brain tumour surgery?

Bernstein M: Invited Lecturer to University of Manitoba, Winnipeg, Manitoba, November 2002. A Neurosurgeon Can Rant and Chant About Kant, Can’t He?


Bernstein M: CBC Radio Interview, Toronto, Ontario, May 2003. Ethical issues raised by SARS.


**Davis KD:** International Association For The Study of Pain, 10th World Congress, San Diego, California, August 2002. Imaging visceral sensations (workshop).

**Davis KD:** Canmore Conference; University of Calgary, Department of Clinical Neuroscience, Canmore, Alberta, February 2003. Keynote lecture: A new approach to imaging pain with “percept-related fMRI”.


**Davis KD:** National Center on Addiction and Substance Abuse: CASA conference on Feeling No Pain: Substance Abuse, Addiction and Pain Management, New York, New York, February 2003. Pain and Addiction: is it all in the brain?


**Davis KD:** Canadian Pain Society, annual meeting - Keynote Lecture, Toronto, Ontario, May 2003. The brain according to pain: Functional brain imaging of pain percepts.

**Davis KD:** University of Calgary, Neuroscience Research Group, Calgary, Alberta, February 2003. The meaning of fMRI blobs? What you feel is what you “should” get.

**Fehlings MG:** American Spine Injury Association (ASIA), 29th Annual Scientific Meeting, Key Biscayne, Florida, April 2003. (1)Co-Chair, Spine Trauma Study Group. (2) Co-Chair, Surgical Challenges in the Treatment of Spine Trauma.

**Fehlings MG:** North American Spine Society 17th Annual Meeting, Montreal, Quebec, October, 2002. Concurrent Session 1- Complex Cervical Reconstruction: Reconstruction of Complex Craniovertebral Pathology with Transarticular Screws: Assessment of Long-Term Follow-up and Quantitative Evaluation of Screws. Fehlings M, Goulet, B.

**Fehlings MG:** American Association of Neurological Surgeons, Annual Meeting, San Diego, California, April 2003. (1) Craniocervical junction surgical approaches, stabilization techniques and complications. (2) General Session: Scientific Session II, Discussant, for Abstract submission.

**Fehlings MG:** First Joint Meeting of the National and International Neurotrauma Societies, Tampa, Florida, October 2002. Critical Care in SCI.


**Fehlings MG:** Peterborough County Medical Society, Lakefield, Ontario, February 2003. Grand Rounds: “Indications for surgical approach to cervical and lumbar disc prolapse with radiculopathy.


**Fehlings MG:** Toronto Rehabilitation Institute, Lyndhurst Site, Toronto, Ontario, January 2003. Keynote Address at Official Launch of the National Rick Hansen Wheels in Motion Campaign.


Fehlings MG: Spine Trauma Study Group: Member of Organizing Committee Pre-ASIA Meeting Miami, April 5, 2003, Dana Point, California, November 2002. Working Meeting of Spine Trauma Study Group on “Surgical Challenges in the Treatment of Spine Trauma - Key controversies in Spine Trauma Management”.


Guha A: MD Anderson Brain Tumor Center Lecturer, Houston, Texas, June 2003. 
Aberrant signalling complexes in gliomas.

Guha A: ISREC-INST. OF Switzerland Research Experimental in cancer, Geneva, 


Guha A: Society of Neurooncology, San Diego, California, November 2002. Expression of EGFRvIII is a better pronostic marker for GBM than either EGFR expression or the Ki-67 labeling index.

Guha A: The University of Texas M.D. Anderson Cancer Centre, Houston, Texas, February 2003. First Course on Molecular Mechanisms in Brain Tumor.

Guha A: CCNS, Quebec City, Quebec, June 2003. GBM xenografts as a model for studying the amplification of EGFR in gliomas. (2) Mass spectrometric analysis of aberrant signaling complexes mediated through wild-type and mutant epidermal growth factor receptors in human glioblastoma multiforme. (3) P13Kinase and MAPKinase activation as prognostic indicators of glioblastoma multiforme. (4) Role of angiopoietins in astrocytoma angiogenesis. (5) Transgenic mouse models of astrocytomas.

Guha A: Society of Neurooncology, San Diego, California, November 2002. (1) Inhibition of TIE2 Receptor in intracranial GBMs Decreases Tumor Growth and Prolongs survival. (2) Investigation of EGFR Amplification in xenografts and their derived cell lines established from human glioblastomas.


Guha A: Society of Neurooncology, San Diego, California, November 2002. Signalling pathways of two mutant EGFRs, EGFRvIII and EGFRc958, found in GBMs.
Guha A: Mata Chandani Hospital, New Delhi, India, February 2003. Surgical Rounds: Management of peripheral nerve tumors.


Guha A: NCIC-CTG Brain tumor strategic planning retreat, Toronto, Ontario, July 2002. What are the most promising cellular targets.


Krassioukov A: The Johns Hopkins University, Department of Biomedical Engineering, School of Medicine, Baltimore, Maryland, October 2002. Abnormal cardiovascular control after spinal cord injury.


Lozano AM: Harvard University, Brigham and Women’s College and Children’s Hospital, Boston, Massachusetts, February 2003. Visiting Professor: Neurosurgery to restore brain function: Gazing into the crystal ball.


Tator CH: Canadian Spine Society, Corner Brook, Newfoundland, March 2003. Visiting Professor - the essence of a surgeon.


Research and Investigations
Senior Investigator’s Name Appears in Italics


CIHR Clinician Scientist Phase II Salary Award. Tymianski M: CIHR ($165,000 2000 - 2002).

Clinician Scientist Award Phase II 3 year renewal. Tymianski M: CIHR ($165,000 2003 - 2005).

Clinician Scientist Phase II Operating Funds. Tymianski M: CIHR ($120,000 2000 - 2002).

Codman Award to B. Jacobs: The role of the p75NTR death receptor pathway in apoptosis after spinal cord injury. Jacobs B: Codman Neurotrauma Research Award ($40,000 2002 - 2003).


Development of neurotrophic factor-enhanced guidance channels for spinal cord injury repair and a commercial embodiment of this technology. Shoichet MS, Tator CH: Canadian Institutes of Health Research ($100,000 2002 - 2003).

Doctoral training award to Lori Mutsaers (MD-PhD student) “Role of voltage dependent K+ channels in posttraumatic axonal dysfunction: Molecular and immunocytochemical studies”. Fehlings MG: Medical Research Council of Canada ($129,201 1998 - 2004).


Enhancing axonal regeneration following spinal cord injury by in situ delivery of neurogenerative factors. Shoichet M, Tator CH: Canadian Institutes of Health Research ($101,000 2001 - 2003).


Fellowship award to PhD student Steven Casha (Role of the FAS and p75 death receptor pathways in apoptosis after spinal cord injury). Fehlings MG: Canadian Institutes of Health Research (CIHR) ($150,000 2000 - 2003).

Fellowship Award to Soheila Karimi-Abdolrezaee for “Involvement of potassium channel subunits Kv 1.1 and Kv 1.2 in posttraumatic axonal dysfunction after spinal cord injury”. Fehlings MG: Neurosciences, Mental Health and Addiction of the Canadian Institute of Health Research ($41,500 2002 - 2003).

Finding cures for glioblastomas: characterization of a mouse transgenic astrocytoma model as a therapeutic testing platform. Guha,A: Cleveland Clinic Foundations: ($95,000 2002).


Hospital For Sick Childrens Translational Research Grant: VEGF Expression and Ras Activation in Progressive Neurofibromas. Baruchel s, Guha A, Martin, P, Guedensheit B: Hospital For Sick Children ($40,000 2000 - 2002).
Human studies of pain perception. *Davis KD, Diamant NE: Canadian Institutes of Health Research* ($539,925 2002 - 2007).


Post-doctoral Fellowship Award to Bradley Jacobs for “The role of FAS and p75 death receptor pathways in apoptosis after spinal cord injury”. Fehlings MG: Canadian Institutes of Health Research ($253,125 2001 - 2006).

Postdoctoral Fellowship Award to Gordon Chu (The role of AMPA/Kainate receptors in spinal cord injury). Fehlings MG: CIHR ($151,125 2001 - 2004).

Postdoctoral Fellowship Award to Soheila Karimi (Involvement of K+ channel subunits kv1.1 and kv1.2 in posttraumatic axonal dysfunction after spinal cord injury). Fehlings MG: CIHR ($38,000 2002 - 2003).


Protein-Protein interactions in the postsynaptic density. Tymianski M, Aarts M: Ontario Heart & Stroke Fellowship ($33,500 2001 - 2003).


Studentship Award to A. Ackery: Use of sodium channel blockers to protect the injured spinal cord. Ackery A, Fehlings MG: Ontario Neurotrauma Foundation (01016-S) ($60,000 2001 - 2003).

Studentship award to graduate student Mital Joshi (The use of genetically engineered mice to probe the excitatory hypothesis of spinal cord injury). Fehlings MG: Ontario Neurotrauma Foundation/Rick Hansen Institute ($60,000 2000 - 2003).


The fate of human sympathetic preganglionic neurons after spinal cord injury. Krassioukov AV, Fehlings MG, Shannon P, Norenberg, M (University of Miami School of Medicine, Miami, FL): Christopher Reeve Paralysis Foundation ($72,000 2001 - 2002).

The fate of human sympathetic preganglionic neurons after spinal cord injury (KB2-003-2). Krassioukov AV, Fehlings MG, Shannon P, Norenberg M (University of Miami School of Medicine, Miami, FL): Christopher Reeve Paralysis Foundation ($43,950 2000 - 2002).


**Honours Received**

**Bernstein M:** Wightman-Berris Academy Award for Education Administration, May 2003.


**Guha A:** Alan & Susan Hudson Chair in Neurooncology, November 2002.

**Lozano AM:** Best Doctors in Canada, January 2003.

**Lozano AM:** Penfield Lecture, Congress of Neurological Surgeons, January 2003.

**Tator CH:** Grass Prize for Research - Society of Neurological Surgeons, July 2002.

**Tator CH:** Lifetime Achievement Award - Canadian Spine Society, February 2003.

**Tator CH:** Salute to the City Award Recipient - The Cadillac Fairview Corporation Ltd., August 2002.

**Tator CH:** The Annual Charles Tator Surgeon Scientist Mentoring Award-established by the Dept of Surgery, University of Toronto, July 2002.

**Tymianski M:** Clinician Scientist Award, Phase II (Three Years) Medical Research Council of Canada, April 2003.

**Tymianski M:** Royal College of Physicians and Surgeons of Canada Gold Medal in Surgery, March 2003.

**Wallace MC:** Wightman- Berris Academy Anderson Award for Undergraduate Education, June 2003.
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. A. Miniaci - 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: Hong Kong Orthopaedic Association, Hong Kong, November 2002. Femoral offset, a canine cementless total hip model.


Miniacci A: ISAKOS, Auckland, New Zealand, March 2003. Comparison of the Load to Failure of a Cannulated Tack (Suretac II) and a Suture Anchor (Mitek) in Rotator Cuff Repair.


Miniacci A: American Academy of Orthopaedic Surgeons, New Orleans, Louisiana, February 2003. MDI: Choice of thermal, arthroscopic plication, or open techniques (Cook, Crimp or Cut?).


Miniacci A: Medical & Surgical Approaches to Articular Cartilage Disorders of the Knee. The Cleveland Clinic, Section of Sports Medicine, Cleveland, OHIO, April 2003. Osteochondritis Dissecans (OCD).


Research and Investigations


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).


Randomized Controlled Trial of Three Bearing Surfaces in Primary Total Hip Arthroplasty of Patients Under the Age of 65. *Mahomed N*, Waddell JP: *Supported by Smith and Nephew Canada* ($50,000 2001 - 2002).


**Honours Received**


Lau J: Roger H Michael/Johnson & Johnson Research Award (Union Memorial Hospital), July 2002.


Division of Plastic Surgery
Dr. D.J. Anastakis - Associate Professor
Dr. T.A.B. Bell – Lecturer
Dr. P. Bray - 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

Anastakis DJ: Association for Surgical Education, 23rd Annual Meeting, Vancouver, British Columbia, May 2003. Why visual-spatial ability might be important in surgical training and how to measure it.


Neligan PC: Canadian Society of Otolaryngology, Calgary, Alberta, May 2003. Reconstruction of the orbit following maxillectomy.


Neligan PC: University of Southern California, Los Angeles, California, May 2003. Visiting Professor: Reconstruction of the pelvis and trunk.


Research And Investigations


Cortical plasticity following thumb amputation, toe transfer and rehabilitation. Anastakis DJ, Mikulis D, Chen R, Davis K, Chang M: American Association for Hand Surgery ($3,000 2002 - 2003).


Global protection of skeletal muscle agains 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).


Ischemic preconditioning of human skeletal muscle. Lipa JE, O’Blenes C: The Physicians Services Incorporated Foundation ($20,000 2002).


Qualitative measures across peripheral nerve lesions using the DASH and SF-36. Asaria J, Anastakis DJ: The Toronto Hospital Research Institute. University of Toronto, Faculty of Medicine ($4,000 2002).


**Honours Received**

Anastakis DJ: Best Meeting Abstract, American Society for Regional Anaesthesia, Spring Meeting. San Diego, California. Regional anesthesia versus general anesthesia for ambulatory hand surgery. Award received by Dr. Richard Brull, April 2003.

Division of Thoracic Surgery
Dr. G.E. Darling - Associate Professor
Dr. R.J. Ginsberg – Professor (Division Head – 2002)
Dr. M.R. Johnston - Associate Professor
Dr. S. Keshavjee - Professor (Division Head - 2003)
Dr. M.F. McKneally - Professor
Dr. M. Liu – Associate Professor
Dr. A.F. Pierre - Assistant Professor
Dr. T.K. Waddell - Assistant Professor

Publications


Invited Visits to other Hospitals/Universities


Johnston MR: American Society of Chest Physicians, Cancun, Mexico, December 2002. Treatment of N2 Disease: Where are we?


Liu M: Department of Public Health, Wuxi, Jiangsu, P. R. China, Invited Speaker, Wuxi, Jiangsu, P. R. China, November 2002. How to do medical research.


Ginsberg RJ: Innovations in Oncology, University of Pittsburgh School of Medicine, Pittsburgh, Pennsylvania, September 2002. The intergroup trial for esophageal cancer: Future directions for neoadjuvant therapy.


Research and Investigations


A phase III comparison between concurrent chemotherapy plus radiotherapy and concurrent chemotherapy and radiotherapy followed by surgical resection for Stage IIIa (N2) nonsmall cell lung cancer (BR13). Darling G, co-chair: National Cancer Institute of Canada ($70,000 1997 - 2002).

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 IIIA Non-Small Cell Lung Cancer (BR-19). Darling GE, National Cancer Institute of Canada ($10,000 2002 - 2003).


A Randomized Phase III Trial of Surgery Alone or Surgery -Plus Preoperative Paclitaxel/Carboplatin in Clinical Stage IB (T2N0,) II (T1-2N1, T3N0) and Selected IIIA (T3N1) Non-small Cell Lung Cancer (BR-22) (SWOG 9900). Darling GE.: National Cancer Institute of Canada ($13,000 2002 - 2003).


Endothelial glycosylation, monocyte adhesion, and delayed xenograft rejection. Waddell TK: Canadian Cystic Fibrosis Foundation ($207,000 2003 - 2006).


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


The role of Bcl-2 family proteins in TNF-mediated NF-KB activation. Waddell TK: The Thoracic Surgery Foundation for Research and Education ($90,000 2000 - 2002).

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

Honours Received

Ginsberg RJ: President, Canadian Association of Thoracic Surgeons, September 2002.

Waddell TK: CIHR New Investigator Award, April 2003.
Division of Urology

Dr. N. Fleshner – Associate Professor (Division Head)
Dr. M.M. Hassouna - Associate Professor
Dr. M.A.S. Jewett - Professor
Dr. S.B. Radomski - Associate Professor
Dr. M. Robinette - Associate Professor
Dr. J. Trachtenberg - Professor

Publications


Invited Visits to other Hospitals/Universities

Hassouna MM: Functional Electric Stimulation Center Case Western Reserve University, Cleveland Veterans administration Medical center and Metrohealth Medical Center, Cleveland, Ohio, April 2003. Sacral Neuromodulation: Techniques, Intrumentations and Outcomes.


Jewett MAS: Mexican Society of Urology Annual Meeting, Guadalajara, Mexico, November 2002. T1 Bladder Tumor: Cystectomy or TUR.


Trachtenberg J: World Congress of The International Photodynamic Association, Miyazaki, Japan, May 2003. Photodynamic Therapy for Recurrent or Persistent Prostate Cancer Following Failed Radiation Therapy.

Research and Investigations

Senior Investigator’s Name Appears in Italics


Development of Novel Minimally Invasive Surgical Techniques. Trachtenberg J: Princess Margaret Hospital Foundation ($2,500,000 2003 - 2008).


Identification of preoperative prognostic factors for small RCC. Rendon R, Nassar, Jewett MAS,Klotz LH: Capital District Health Authority Research Foundation ($100,000 2003 - 2005).


Honours Received

Jewett MAS: Supervised Dr Sharon Sharir, UofT UroOncology Fellow, 1st Prize for Clinical Research Robson Research Day for “Database-generated real time graphic flow chart for patients with bladder cancer”, March 2003.

Jewett MAS: Visiting Professor, Department of Urology, University of Washington, October 2002.

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

Publications


Invited Visits to other Hospitals/Universities


Issues in publishing: An ex-editor’s perspective.


Sternbach Y: Co-Director, IELC, Quebec City, Quebec, May 2003. International Endovascular Laparoscopic Congress.

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).

Molecular regulation of myocardial cyclooxygenase-2-expression and prostaglandin biosynthesis in neonatal rat cardiac myocytes. Rubin B: Canadian Institutes of Health Research ($461,000 2002 - 2007).


Honours Received


Research in Education

Publications


Hodges B, McNaughton N, Regehr G, Tiberius R, Hanson M: The challenge of creating new OSCE measures to capture the characteristics of expertise. Medical Education: August 2002: 36: pp 742-748.


Invited Visits to other Hospitals/Universities

Hamstra SJ: Imperial College of Science, Technology & Medicine, London, United Kingdom, September 2002. Applications of visual perception research to problems in surgery.


Regehr G: University of British Columbia, Paediatrics and Medical Education Grand Rounds, Vancouver, British Columbia, October 2002. “Kids these days”: Promoting and exploiting adult learning in medical students. Why is measuring the soft so hard? Confessions and reflections of a “numbers guy”.


Research and Investigations

Senior Investigator’s Name Appears in Italics


Dr. A. Agur - Associate Professor
Dr. B. Ballyk - Lecturer
Dr. B. Liebgott - Professor
Dr. C.M. Morshead - Assistant Professor
Dr. J.A. Saint-Cyr - Professor
Dr. P.A. Stewart - Professor
Dr. I.M. Taylor - Professor

Publications


Books or Chapters of Books

**Moore KL, Agur AM:** Essential Clinical Anatomy. 2003 Lippincott Williams & Wilkins, Philadelphia, PA. 687 pages.

Invited Visits to other Hospitals/Universities


**Morshead CM:** Janssen-Ortho (Johnston-Merck), Toronto, Ontario, Canada, June 2003. Adult neural stem cells in vivo and in vitro.

**Morshead CM:** Society for Neuro-oncology, 7th Annual Scientific Meeting, San Diego, California, USA, November 2002. Clues from stem cells for brain tumours: Identification and transformation of adult neural stem cells.


**Saint-Cyr JA:** Movement Disorders Society, Miami, Florida, November 2002. Deep brain stimulation is not neuropsychologically benign for all patients.


Research and Investigations

*Senior Investigator’s Name Appears in Italics*


Examining the regulation and modification of neural stem cell behaviour. *Morshead, CM: Connaught Award - University of Toronto* ($10,000 2003 - 2005).


The therapeutic potential of adult neural stem cells. Morshead CM: Connaught Grant - University of Toronto ($20,000 2003 - 2005)

**Honours Received**

Liebgott B: Teacher of the Year. Awarded by the first year class of the Faculty of Dentistry. June 2003.

Ballyk, B: Favourite Teacher Award. Awarded by the first year class of the Faculty of Physical and Health Education. June 2003.
Journal Illustrations

Fitchett D, MacFarlane PA, Drouin D. Clinical Focus: Cardiovascular Issues in Diabetes. The Medical Post. 2002; 38(42): supplement (Illustrated by Tulk S)


Medical Legal Illustration


Book Illustrations

Textbook Illustrations
Hall H, A Consultation with the Back Doctor, Chapter 4 and 7, McLelland and Stewart Ltd., 2002 (Mackay MB: 11 illustrations)


Shulman, J, Winning the Food Fight, 2003, John Wiley & Sons Canada Ltd, Toronto. (Mazierski D: 1 illustration)

New Media


Video

Animation
Feature Film /Storyboards:

TV Movie Storyboards:
Surjik, S., Brine K: Wild Card, Lifetime, 2003

Eisner, B., Brine K: Thought Crimes, USA Network, 2002
DeCarlo, M., Brine K: Hemingway vs. Callaghan, CBC, 2002

TV Series Storyboards:
Ryerson S, Brine K: Soul Food, Paramount, 2003
Surjik, S., Brine K: Da Vinci’s Inquest, CBC, 2002


Medical Legal Animation:


**Patient Education**

I-Acquire medical device (image acquisition) software. Cedara Software Corporation, Mississauga, 2003. Approx. 25 icons for software interface, Mazierski D.

Department of Medicine web site. Department of Medicine, University of Toronto, 2002. Web site design, graphical implementation and templates, Mazierski D.


Rehabilitation Education Program for Stroke (REPS) web site. Department of Occupational Therapy, Faculty of Medicine, University of Toronto, and Heart and Stroke Foundation of Ontario, 2002. Web site design and graphical implementation, Mazierski D.

**Invited presentations**


**Nancekivell S**, 2003 Annual Meeting of the Mid-American Chapter of the American Medical Writers Association, St Louis, Missouri, Organizing the Biomedical Paper, April 26, 2003.


Abstracts, Posters and/or Papers Read


Honours and Awards

Chorney K: Certificate of Appreciation for Excellence in Teaching. Division of Biomedical Communications, Department of Surgery, Faculty of Medicine, University of Toronto, April 2003.

Jenkinson J: Certificate of Appreciation for Excellence in Teaching. Division of Biomedical Communications, Department of Surgery, Faculty of Medicine, University of Toronto, April 2003

Mackay MB: Certificate of Merit in Continuous Tone, Association of Medical Illustrators, Austin, TX., August 2002.

Wilson-Pauwels L: Certificate of Merit Medical Textbook, Cranial Nerves, Association of Medical Illustrators, Austin, TX., August 2002.

Research Grants

Lax L, Watt-Watson J, Pennefather P, Hunter J, “Effective Pain Management Through Interprofessional Collaborative Knowledge Building“. University of Toronto Centre for the Study of Pain, Dr. Mike Salter (Director), University of Toronto, 2002-2003, Educational research matched funding (UTCSP $7,000.00)


Wilson-Pauwels L (co-P.I.), Bajcar J (co-P.I.), Jodie Jenkinson, Nick Woolridge. Merck Frosst development funding to create a prototype for “PharmaPlanner, a data-structured retrieval system that generates a pictorial PharmaMenu for the management of medication” ($50,000.00)


Wilson-Pauwels L (P.I). Bell University Laboratories at the University of Toronto Equipment Grant, 2002 ($141,177.45)
Dr. P.A. Arnold – Assistant Professor (University Health Network)
Dr. Alan Campbell – Assistant Professor (St. Michael’s Hospital)
Dr. Andrew Donald – Assistant Professor (Sunnybrook & Women’s College Health Sciences Centre)
Dr. J.C. Fallis – Assistant Professor (The Hospital for Sick Children)
Dr. L. Fulton – Lecturer (Sunnybrook & Women’s College Health Sciences Centre)
Dr. B.A. McLellan – Associate Professor (Sunnybrook & Women’s College Health Sciences Centre)
Dr. D. Saslove – Instructor (St. Michael’s Hospital)
Dr. Brian Steinhart – Instructor (St. Michael’s Hospital)

No submissions available for 2002 - 2003
Cross Appointments

Dr. A.J. Baker - Assistant Professor (Anesthesia)
Dr. B.V. Bapat - Assistant Professor (Laboratory Medicine and Pathobiology)
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 (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. 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. 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 - (Anatomy)
Dr. G.A. Levy - Professor (Medicine)
Dr. C. Lumsden - Professor (Medicine)
Dr. A. McDonald - Assistant Professor (Medicine)
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. G. Regehr – Assistant Professor (Psychiatry)
Dr. P. Ritvo - Assistant Professor (Public Health Sciences)
Dr. A. Romaschin - Associate Professor (Laboratory Medicine and Pathobiology)
Dr. A. Slutsky – Professor (Medicine)
Dr. B. Steinhart - Instructor (Medicine)
Dr. D.E. Stewart - Professor (Psychiatry)
Dr. K.G. terBrugge - Professor (Medical Imaging)
Dr. Q. Wan – 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


Invited Visits to other Hospitals/Universities


**Daar, A:** International Congress of the German Transplantation Society, Munich, Germany, December 2002. 1. Paid organ donation-are there any ethical ways of moving forward 2. Aspects of regenerative medicine today.


**Daar, A:** Arizona Biomedical Institute, Phoenix, Arizona, November 2002. Developing ethical guidelines for plant-made vaccines.

**Daar, A:** HUGO, Cancun, Mexico, April 2003. Genomic databases as global public goods.

**Daar, A:** Genome Canada, Montreal, Quebec, February 2003. Genomics in a global context: a programmatic approach to avoiding a genomics divide.

**Daar, A:** Europaische Akademie, Bad Neuenahr, Germany, April 2003. GMOs and the world nutrition problem.


**Daar, A:** Transplantation Society - International Conference, Miami, Florida, August 2002. Living unrelated donors and organ commerce.

**Daar, A:** Institute on Governance, Ottawa, Ontario, June 2003. Opportunities: why biotechnology matters to developing countries and why it should matter to us.
**Daar, A:** University of Alberta Health Law Institute, Edmonton, Alberta, September 2002. The science of stem cells: some implications for law and policy.

**Daar, A:** Canadian Institutes of Health Research, National Research Council, Natural Sciences and Engineering Research Council of Canada, Montreal, Quebec, February 2003. Workshop - Establishing an innovative research agenda for Canada.


**Grynpas MD:** Massachusetts General Hospital, Boston, Massachusetts, February 2003. What can mouse model tell us about the skeleton.


**Gullane PJ:** AAO HNS Meeting, San Diego, California, September 2002. (1) Panel: Don’t miss the early detection of H & N cancer (2) Co-moderator: Oropharyngeal cancer etiology diagnosis, management, reconstructive options and rehabilitation.


**McDonald A:** North York Hospital, Emergency Medicine Update, Toronto, Ontario, May 2003. Cases in blood and fluid management.


**Pritzker KPH:** Sysmex Central Research Laboratory, Kobe, Japan, September 2002. Clinical laboratory challenges 2007.

**Pritzker KPH:** Department of Pathology, University of Lausanne, Switzerland, March 2003. Preclinical laboratory services.

**Pritzker KPH:** Vancouver Coastal Health Authority, Vancouver, British Columbia, February 2003. Regional laboratory service planning.

**Pritzker KPH:** Department of Pathology, University of Bern, Bern, Switzerland, May 2003. SARS and the single hospital.

**Slutsky AS:** 7th State of the Art Interdisciplinary Review Course on Pulmonary and Critical Care Medicine, Athens, Greece, April 2003. (1) Aliki Perroti Lecture: Respiratory and critical care research in the post-genomic era; (2) Lung protection in ARDS: Mechanisms of decreased mortality; (3) SARS: Update on a growing epidemic.

Slutsky AS: SMART 2003 (Simposio e Mostra di Anestesia Rianimazione e Terapia Intensiva), Milan, Italy, May 2003. (1) Debate: Recruitment maneuvers are beneficial in ARDS, (2) PEEP: Good for what?

Slutsky AS: Toronto Critical Care Medicine Symposium 2002, Toronto, Ontario, October 2002. (1) Member of the Conference Organizing Committee, (2) Chair, session on “Mechanical Ventilation”, (3) presentation, Mechanical ventilation: A possible way to prevent MSOF.


Slutsky AS: American Thoracic Society 99th International Conference, Seattle, Washington, May 2003. (1) Speaker and Co-Chair: Volotrauma and Biotrauma; (2) Chair: Clinical Trials in ICU - Challenges; (3) Speaker: Adult Clinical Trials of HFOV; (4) Speaker: High PEEP should be used to reduce ventilator induced lung injury.

Slutsky AS: 9th International Conference on Mechanical Ventilation, Santiago de Compostela, Spain, April 2003. Co-Director of Course: (1) Debate Chair, The prone position; (2) From lung rest to hummingbirds: HFV is here to stay.


Slutsky AS: 32nd Society of Critical Care Medicine Congress, San Antonio, Texas, January 2003. Mechanical ventilation and multiple organ dysfunction: What’s the link?


Stewart DE: Canadian Psychiatric Association, Banff, Alberta, October 2002. (1) Depression surveillance in women, (2) Physical symptoms in depression, (3) Gender issues in depression.
Stewart DE: World Psychiatric Congress, Yokohama, Japan, August 2002. (1) Improving international women’s mental health, (2) Depression and Anxiety, (3) Perimenopausal depression, (4) Premenstrual dysphoric disorder, (5) Perinatal psychiatry.


Stewart DE: Marce International Congress, Sydney, Australia, September 2002. (1) Plenary address: From research to policy - the development of an antenatal psychosocial screening policy, (2) Infanticide in Canada.


Stewart DE: World Congress on Gender and Health, Vienna, Austria, September 2002. Hysterectomy: Data versus policies.

Stewart DE: Academy of Medicine, Toronto, Ontario, May 2003. The legacy of Augusta Stowe Gullen.


terBrugge KG: 38th Meeting of the Canadian Congress of Neurological Sciences, Quebec City, Quebec, June 2003. Endovascular role in venous disease.


terBrugge KG: 38th Meeting of the Canadian Congress of Neurological Sciences, Quebec, Quebec, June 2003. Interventional neuroradiology/endovascular activity in Canada.


Willinsky R: 10th Annual HHT Conference, Baltimore, MD, October 2002. Cerebral AVMs and HHT.

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


MHSc in international bioethics. Singer PA, Daar AS: Fogarty International Centre, Us National Institutes of Health ($1,800,000 2000 - 2004).


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


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


\section*{Honours Received}


\textbf{Stewart DE:} Chair of World Psychiatric Association Section on Women’s Mental Health (1999-present), December 2002.


Stewart DE: Margaret Mead Memorial Award and Lecture, April 2003.

Stewart DE: Symonds Award, American Psychiatric Association, May 2003.