R.S. McLaughlin Professor and Chair –
Dr. J. H. Wedge 1992 - 2002
Dr. R. K. Reznick 2002 -

Professor and Associate Chair –
Dr. B. R. Taylor

Surgeons-in-Chief
Dr. J. Wedge – The Hospital for Sick Children
Dr. Z. Cohen – Mount Sinai Hospital
Dr. L. Smith – St. Joseph’s Health Centre
Dr. E. Poulin – 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. R. Ginsberg – Thoracic Surgery
Dr. S. Herschorn – Urology
Dr. K. W. Johnston – R. Fraser Elliot Chair in Vascular Surgery
Report from the Chair

Dr. Richard Reznick - R.S. McLaughlin Professor and Chair

It is with enthusiasm and enormous pride that I write this introduction to the 2001-2002 Annual Report, of the Department of Surgery, at the University of Toronto. The years ahead will no doubt pose many challenges but I am confident that we are facing these challenges from a strong platform of previous success. What an amazing department we have. Over the last decade, my predecessor John Wedge, has orchestrated tremendous growth in our research programs and populated our educational efforts with innovation and strength. We have a large faculty with national and international leaders in virtually every aspect of surgery and the co-participation in our academic enterprise of our fully affiliated and partially affiliated teaching hospitals.

We can be unequivocally proud of our accomplishments in research. Our annual research funding is about $21 million. This makes us leaders in Canada and competitive with our peer group of publicly funded research-intensive, American Universities. What distinguishes us from many if not all other institutions in North America is our Surgeon Scientist Program. Under Ori Rotstein’s terrific leadership, this program now has 34 residents engaged in research activities across a spectrum of endeavours, including fundamental biology, medical education and clinical epidemiology. This program is truly a jewel in our crown and speaks volumes about our past and magnificently about our future. With transformative changes in research funding across Canada having occurred in the last few years, there is now an unparalleled opportunity to capture more research dollars. I believe it is realistic to aspire to doubling our current research funding within a five-year time frame. To accomplish this goal we will need to augment the focus of research activities where there is critical mass and where major impact is a possibility. Landmark discoveries will be our driver. Training, collegial support, funding, programmatic emphasis, and research space will be our fuel.

We must take tremendous pride in our educational achievements. We participate in the education of 200 medical students each year, train approximately 250 residents and fellows each year and are fully invested in a multitude of continuing education programs. We have one of the largest and most mature skills unit in North America and our surgical education research group serves as a model for other universities. There are many educational challenges that lay ahead. We will need to work harder to attract the best and the brightest to surgery. We have to focus on transforming our model of residency education, as there are many existing threats to the continued delivery of a high-quality educational product. We need a fresh look at each and every task our residents do, and we need to put forward approaches to education that radically change the learning curves for technical and non-technical aspects of surgical training.

Toronto is the largest metropolitan area in North America, with just one medical school. This gives us enormous strength in that we have a large number of teaching hospitals which for all intents and purposes, are not competitive. This provides a fertile substrate for city-wide planning and collaboration. I believe we have to go further to develop focused arenas of excellence, as I believe surgery in the next 20 to 30 years, will no longer be what we know it as today. The notion of focused factories with high volumes linked to superb clinical results, will force us to ramp up rationalization of clinical and indeed academic activity, at our major campuses. Unquestionably, we must work toward city-wide co-ordinated electronic databases, to provide a platform for clinical trials for the future. We need to work quickly towards the goal of every case in a database.

As I write this introduction for our current annual report, I have been “on the job” for six weeks. I am just now beginning to understand the depth and breadth of this department and the amazing potential we have for the future. However successful we may have been in the past, it will be our job now to think boldly and look into the future with new initiatives and the desire to be better. This will involve some risk-taking, and an attempt at increasing the financial security of our future. I am dedicated to working hard to make these goals a reality and sharing with all of the members of our department, the intrinsic rewards that come from being part of a great organization.
Departmental and External Awards and Honours

Dr. Wayne Johnston, 2002 E. Bruce Tovee Postgraduate Teaching Award; Dr. Sender Herschorn, 2002 E. Bruce Tovee Undergraduate Award; Dr. Peter Chu, University of Toronto Surgical Skills Centre Distinguished Teaching Award; Dr. James Wright, 2002 Lister Prize; Dr. Yasser Botros, 2002 D.R. Wilson Award; Dr. Robert Gryfe, 2002 Bernard Langer, Surgeon-Scientist Award; Dr. Michael Tymianski, 2002 George Armstrong-Peters Prize; Dr. Richard Weisel, Charles Tator Surgeon Scientist Mentoring Award; Dr. Clare Baker, Officer of the Order of Canada; Dr. Bernard Langer, Officer of the Order of Canada; Dr. Leo Mahoney, Officer of the Order of Canada; Dr. Carin Wittnich, Order of Ontario; Dr. Ori Rotstein, Chair, Connaught Life Sciences Molecular, Cellular and Integrative Biology Review Panel; Dr. Steven Gallinger, Israel Cancer Research Fund (ICRF) Scientific Award; Dr. Robin McLeod, President, 2002-2003, Canadian Association of General Surgeons (CAGS); Dr. Robin McLeod, President-Elect, 2001-2002, Canadian Association of General Surgeons (CAGS); Dr. Ren-Ke Li, Society of Biomaterials Clemens Award for Applied Research; Dr. Richard Reznick, Governor of the American College of Surgeons (ACS); Dr. Charles Tator, 2001 Jonas Salk Prize from the Ontario March of Dimes; Dr. Darius Bagli, 2001 Basic Science Research Prize of the section on Urology of the American Academy of Pediatrics; Dr. James Wright, 2002 Kappa Delta Award, American Academy of Orthopaedic Surgeons (AAOS); Dr. Alan Hudson, President and CEO, Cancer Care Ontario; Dr. Benjamin Alman, 2002 Medalist for Surgery, Royal College of Physicians and Surgeons of Canada Award; Dr. Richard Reznick, 2002 Gallie Lecturer, Royal College of Physicians and Surgeons; Dr. Dave Williams (Adjunct Professor) First Canadian Astronaut to be awarded the NASA Outstanding Leadership Medal; Dr. Bernard Goldman, Editor-in-Chief of the Journal of Cardiac Surgery; Dr. Tony Khoury, Chairman of the Canadian Urological Association Scholarship Foundation; Dr. Mark Cattral, Member of the Editorial Board of the Journal of Surgical Research; Dr. Ab Guha, Member of the Editorial Board of the Journal of Neuro-Oncology; Dr. Ab Guha, appointed to the Cancer Review Panels of the National Cancer Institute of Canada and the CIHR; Dr. Ren-Ke Li, Career Investigator Award from the Heart and Stroke Foundation of Ontario; Dr. James Rutka, appointed to the Executive Council of the Society of Neurological Surgeons; Dr. Andres Lozano, Chair, Stereotactic and Functional Neurosurgery Committee for the World Federation of Neurological Surgeons; Dr. James Rutka, Chair, Neuro-Oncology Committee for the World Federation of Neurological Surgeons; Dr. Ab Guha, Member of the Board of Directors (Basic Science) for SNO; Dr. John Semple, President of the Canadian Society of Plastic Surgeons; Dr. Earl Bogoch, Fitzgerald Academy 2001 Teaching Award for Clerkship Teaching; Dr. David Latter, Fitzgerald Academy 2001, Teaching Award for PBL Tutoring; Dr. Thomas Lindsay, Wightman-Berris Academy Teaching Award 2000/2001; Dr. Lloyd Smith, Wightman-Berris Academy Teaching Award 2000/2001; Dr. Michael Fehlings, Director, Neural & Sensory Science Program; Dr. Michael Fehlings, Krembil Chair in Neural Repair and Regeneration at the University Health Network; Dr. David Backstein, Dean’s Excellence Fund in Medical Education Award; Dr. Patricia Stewart, Dean’s Excellence Fund in Medical Education Award, Dr. Linda Wilson-Pauwels, Dean’s Excellence Fund in Medical Education Award; Dr. Ab Guha, Alan and Susan Hudson Chair in Neuro-Oncology; Dr. Charles Tator, Robert Compeau Family Chair in Brain and Spinal Cord Research, University Health Network; Dr. Howard Clarke, 2002 PAIRO Excellence Award in Clinical Teaching; Dr. Dimitri Anastakis, Arnis Freiberg Teaching Excellence Award and the W.K. Lindsay Research Supervisor Award; Dr. Rod Davey, R.B. Salter Award for Excellence in Teaching; Dr. Charles Peniston, 2001 University of Toronto Cardiac Surgery Teaching Award; Dr. Ian Taylor, Dr. E. Hollington Award in preclerkship teaching for the pre-clinical or basic science portion of the curriculum; Dr. Vivek Rao, Connaught New Staff Matching Grant Program 2001; Dr. Cari Whyne, Connaught New Staff Matching Grant Program 2001; Dr. Subodh Verma, 2002 Canadian Research Award for Specialty Residents.
**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, 2002. Dr. Michael Ford, Dr. Raja Rampersaud, Dr. Christopher Schlachta were promoted to Assistant Professor. Dr. Darius Bagli, Dr. Lee Errett, Dr. Joel Fish, Dr. Neil Fleshner, Dr. John Honey, Dr. William Hutchison, Dr. Andras Kapus, Dr. Michael Tymianski, and Dr. Armand Zini were promoted to Associate Professor. Dr. Christopher Feindel, Dr. Shaf Keshavjee, Dr. Ren-Ke Li, Dr. Gordon McLorie, Dr. Anthony Miniaci, Dr. Peter Neligan, and Dr. Lorne Rotstein were promoted to Full Professor.

**New Faculty Appointments**

Dr. Barbara Ballyk, Anatomy, Dr. Eamon Beausang, Plastic Surgery, Mount Sinai Hospital, Dr. Peter Bray, Plastic Surgery, University Health Network, Dr. Melanio Catre, Orthopaedic Surgery, Toronto East General Hospital, Dr. Amr Elmaraghy, Orthopaedic Surgery, St. Joseph’s Health Centre, Dr. Walid Farhat, Urology, The Hospital for Sick Children, Dr. Johnny Lau, Orthopaedic Surgery, University Health Network, Dr. Eric Massicotte, Neurosurgery, University Health Network, Dr. Andrea McCart, General Surgery, Mount Sinai Hospital, Dr. Robert Nam, Urology, Sunnybrook & Women’s College Health Sciences Centre, Dr. Unni Narayanan, Orthopaedic Surgery, The Hospital for Sick Children, Dr. Andrew Pierre, Thoracic Surgery, University Health Network, Dr. Yaron Sternback, Vascular Surgery, University Health Network, Dr. George Vincent, Orthopaedic Surgery, St. Joseph’s Health Centre.

**Reviews, Searches and Appointments**

Dr. Richard Reznick was appointed R.S. McLaughlin Professor and Chair of the Department of Surgery, Faculty of Medicine, University of Toronto. Dr. Earl Bogoch was appointed Medical Director of the Mobility Program at St. Michael’s Hospital. Dr. Lloyd Smith was appointed Surgeon-in-Chief at St. Joseph’s Health Centre. Dr. James Waddell was re-appointed Chair of the Division of Orthopaedic Surgery in the Department of Surgery. Dr. Peter Neligan was re-appointed Chair of the Division of Plastic Surgery in the Department of Surgery.
The Surgeon Scientist Program

Dr. Ori Rotstien - Director

The major objective of the Surgeon Scientist Program (SSP) is to prepare surgical trainees for future careers in academic institutions as Clinician-Scientists. The SSP provides a mechanism whereby individuals engaged in clinical training in surgery can obtain a graduate level research experience within the context of their overall training period. To accomplish this, SSP participants are relieved of clinical responsibilities, while being simultaneously enrolled in a graduate level degree programs at the Masters of PhD level. Research supervision is provided by individuals from across the University of Toronto Health Science Complex, thus ensuring interdisciplinary interactions as well as a breadth of opportunity for trainees. The quality of the program is evidenced by the large number of scientific presentations made nationally and internationally by SSP members, their publication of work in the highest quality peer reviewed journals and their frequent recognition through awards for their work. Approximately 50% of individuals who have completed their program are now faculty at academic institutions throughout the world including more than 30 at the University of Toronto. These individuals are engaged in research across the range of scientific inquiry from fundamental biology to health services research and work across the breadth of clinical disciplines.

The SSP has become a model program for training of future Clinicial-Scientists across all disciplines in medicine. It has been emulated locally by other Departments in the Faculty of Medicine, and has gained national prominence as the template for the development of the Clinician-Investigator Program in the Royal College of Physicians and Surgeons of Canada. The program has also engaged in strategic partnerships with industry as well as other academic centres as a means of supporting and promoting the program.

Dr. Bernard Langer, a recipient of the Order of Canada, established this program in 1984. Included in his citation was a commendation for his founding of the SSP. This program has successfully integrated research in training into a clinical residency program and has sown the seeds for outstanding scientific advances in surgery by the next generation of Surgeon Scientists.
Undergraduate Education

Dr. William Tucker - Director

The academic year 2001-02, was the final year of Dr. John Wedge’s tenure as Chair of the Department of Surgery. All of us involved in the organization and administration of the undergraduate surgery program owe Dr. Wedge our sincere appreciation for his genuine interest, wise counsel and unflagging support.

The Phase I Surgical Clerkship Curriculum Website (http://surgclerk.med.utoronto.ca), envisioned and implemented by Drs. Ted Ross and Stan Hamstra, was introduced for the first time this year, and was well received by the students. This application of Information Technology should improve the quality, consistency and timely revision of the standard material presented to our third year students, as the basis for their formal seminar program, presented at the individual Academy sites. In the coming academic year, Drs. Ross and Hamstra hope to add the Phase II seminars to the site. A special thanks is due to the many faculty who prepared the content for the website, and to Carmela Calorendi in the Office of Surgical Education, who pursued the faculty until their presentations were submitted.

Dr. Charles Peniston became the coordinator for the surgical component of the Year IV OSCE examination. Dr. David Backstein was appointed the Department of Surgery’s representative to the PBL Case Development Committee of the Faculty. Dr. Ron Kodama rejoined the UEC as the representative of the Peters-Boyd Academy.

Dr. Jameel Ali’s TEAM (Trauma Evaluation and Management) program was introduced to the Phase II clerkship central seminar teaching, and was extremely well-received. It was decided to make this program a regular and mandatory part of the surgical curriculum.

Each of the Academies has made provision for the hands-on teaching of surgical skills to its Phase I clerks. This is the first year that this type of instruction has been organized at the Academy level to ensure that all students are given this type of training.

Dr. John Murnaghan organized and chaired the proceedings at a Resident as Teacher Day on July 25, 2001. These sessions recognize and promote the important role that our residents play in the education of our undergraduate students, particularly the clinical clerks. Dr. Murnaghan’s sustained enthusiasm for resident and faculty development has contributed substantially to our Department for a number of years now.

Again this year, the University of Toronto’s Department of Surgery was well represented at the Association for Surgical Education meeting, held in Baltimore April 4-6, 2002. Drs Ross and Hamstra conducted a workshop concerning the development of the Clerkship Curriculum Website, and their presentation was well-received. Dr. Dimitri Anastakis and co-authors won the “Outstanding Paper Award” accolade at the ASE meeting for their work on the Evaluation of the Two-Year Surgical Skills Course for Core Residents at the University of Toronto. Dr. John Murnaghan will be the Vice-President at the annual ASE meeting for 2002-03 and President in 2003-04.

This year’s E. Bruce Tovee award for excellence in Undergraduate Surgical Education went to Dr. Sender Herschorn, University Chair of the Division of Urology. Despite an increasing administrative load over the years, Dr. Herschorn has maintained a keen interest in undergraduate teaching, and his contributions have been consistently highly evaluated.

This year’s D.R. Wilson Award for the best Resident Teacher of Undergraduate Students went to Dr. Yasser Botros, a PGY5 resident in General Surgery. Dr. Botros has received stellar evaluations for his teaching of undergraduates and has sustained this exemplary effort over time.

Dr. Colin Bayliss stepped down from the Undergraduate Education Committee at the end of this academic year, as he retired from the University of Toronto. Dr. Bayliss was first appointed to the Committee by Dr. D. R. Wilson in 1975, and has been a productive contributor ever since. Dr. Bayliss has been instrumental in bringing Surgery to the attention of undergraduate students in the early preclerkship years, and has initiated the recruitment of many fine students to surgical careers. Our best wishes and thanks go to Dr. Colin Bayliss, the students’ friend.

I hope that the entire Department joins me in thanking the student and faculty members of the Undergraduate Education Committee, for their contributions to the success of our undergraduate teaching mandate, over the past year.
University of Toronto’s Department of Surgery residents and faculty members continued to thrive in the 2001-2002 year.

Twenty-four of the 25 of our first-year entry positions were filled in July 2001 through the Canadian resident match. In 2001-2002 we had 215 trainees in our 11 programs (Cardiac Surgery, General Surgery, Neurosurgery, Orthopaedic Surgery, Plastic Surgery, Thoracic Surgery, Urology and Vascular Surgery residencies; and Colorectal Surgery, Pediatric General Surgery and Surgical Oncology fellowship programs). Thirty-six residents received research training with the Surgeon Scientist Program, led by Dr. Ori Rotstein.

Our residents did well in the Royal College of Physicians and Surgeons of Canada (RCPSC) exams. All but one of our residents who sat the Principles of Surgery (POS) examination passed, as did 38 of 39 candidates who attempted their fellowship examinations for specialty certification (98%). Congratulations to our trainees on their great results!

All of the Program Directors have done an outstanding job running their divisional programs. Many thanks to: Dr. Gail Darling (Thoracic Surgery); Dr. Dough Hedden (Orthopaedic Surgery); Dr. K. Wayne Johnston (Vascular Surgery); Dr. Ron Kodama (Urology); Dr. Jack Langer (Pediatric General Surgery); Dr. Ron Levine (Plastic Surgery); Dr. Charles Peniston (Cardiac Surgery); Dr. Lorne Rotstein (General Surgery); Dr. Marcus Burnstein (Colorectal Surgery); Dr. Carol Swallow (General Surgical Oncology); and Dr. Chris Wallace (Neurosurgery) for continuing to make my job easy.

The divisional Program Directors, chair their respective residency program committees, which include elected resident representatives. Each division sponsors numerous educational events, including a half-day per week, away from clinical duties. Overall direction at the Department level comes from the Postgraduate Education Committee. The Core Surgery Committee oversees the Core Surgery Program, which trains first and second-year residents in all aspects of surgical theory and practice. Dr. Stan Hamstra, Director of the Office of Surgical Education, co-ordinates the trainees’ evaluations of teaching programs and faculty members. Each surgeon receives a “teaching effectiveness score” based on the residents’ feedback.

The Department of Surgery sponsors a number of educational offerings that complement the residents’ clinical exposure. Dr. Martin McKneally is stepping down as Co-ordinator of the Principles of Surgery (POS) lecture series for Core Surgery residents, which provides the scientific knowledge they need for clinical practice and success in the POS exam. He has done an exceptional job coordinating this popular series and will turn the job over to Dr. Bob Mustard next season. Dr. Jameel Ali has run the POS practice exam once again this year. The residents themselves are continuing to help build a bank of questions. In special “resident forum” sessions twice annually, the Core Surgery residents provide feedback to Dr. Hamstra and me about issues such as work conditions. On July 9, 2001, the 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 PGY1s in July; a carer night for senior year medical students interested in Surgery; a senior residents’ day led by Dr. Martin McKneally; a resident as teacher workshop conducted by Dr. John Murnaghan; and a session in Advanced Trauma Life Support training led by Dr. Jameel Ali.

The Surgical Skills Centre (SSC), under the leadership of Dr. Helen MacRae, trains Core Surgical residents in basic operating room skills and theory in a controlled setting, under the supervision of master teachers of surgical technique. Besides teaching Core residents basic skills, the SSC is used to provide advanced skills training for surgical divisions and the Departments of Otolaryngology and Obstetrics/Gynecology.

In the past year, numerous faculty members and residents were granted awards by hospitals, surgical divisions and the Department of Surgery for excellence in postgraduate teaching. Among them, Dr. Wayne Johnston won the 2002 Tovee Postgraduate Award for sustained, outstanding contributions to postgraduate training. Dr. Yasser Botros won the D. R. Wilson Education Prize for outstanding teaching of medical students by a surgical resident.

A major reason for the success of our postgraduate education programs has been the strong leadership and support provided by Chairman Wedge. In his last year as chair, as in all other years, Dr. Wedge demonstrated his commitment to postgraduate surgical education in many ways, including administrative actions, supportive editorials, sage advice, and his own performance as an outstanding teacher and educator.

Once again, we have all benefited from the outstanding administrative support from Tess Weber, Miriam Rotman and Jean DeFazio. We look forward to another great year in 2002-2003!
Research

Dr. Ori Rotstien - Director

Research continues to be one of the great strengths of the Department. The most glowing evidence of this was provided by the research successes of the residents in the Surgeon Scientist Program (SSP) this year. Eighteen new residents entered the SSP, giving the Program 21 MScs, five Meds, two MA Scs and 12 PhD surgical residents involved in full-time research. These trainees are consistently recognized locally, nationally and internationally, for their research through publications in peer reviewed journals, presentations at innumerable meetings and their competitiveness for grants and awards. Over 85% of our SSPs were successful in receiving full or partial salary support from external granting agencies. Some noteworthy achievements were: the Canadian Institutes of Health Research (CIHR) Postdoctoral Fellowships granted to Steven Casha, Gordon Chu, Paul Fedak, Anand Ghanekar, Howard Ginsberg, Rebecca Gladdy, Bradley Jacobs, Erin Kennedy, Nicolas Phan, Kinga Powers, Michael Taylor and Eve Tsai. Not to be forgotten, are the Physicians’ Services Incorporated Foundation Resident Research Awards, which were presented to Steven Casha, Ethan Grober, Nellesh Jain, Rachael Khadaroo, Laura Musselman, Kinga Powers, Danny Ramzy, Michael Taylor, Mylene Ward and Dennis Wigle. Out of 18 University of Toronto Postgraduate Awards, 11 were awarded to the SSPs. The total salary supported external fellowship received by the SSPs in 2001, was $841,622, a tremendous feat on its own. The Bernard Langer Surgeon Scientist Award recipient, given to the most outstanding graduate of the Surgeon Scientist Program, was presented to Dr. Robert Gryfe. Finally, the Johnson & Johnson Medical Products Surgeon Scientist Fellowship program’s third year of commitment, allowed us to support four of the SSPs. These were Tracey Asano, Syed Mohammed Quadri, Kyle Wanzel, and Mylene Ward.

The Gallie Day event took on a new format this year. In order to highlight the breadth of research in the Department, a poster session on the evening before Gallie Day attracted approximately 50 submissions, highlighting work from both clinician-scientists and research scientist in the Department, as well as from the Department of Anatomy. J.K. Kus working with Dr. Lori Burrows was the winner of the McMurrough Award, given for basic science research, while C.M. Ribi, working with Dr. Steven Gallinger, was the first-place Wyeth-Ayerst awardee, and C.L. Kwan, working with Dr. Karen Davis was the second-place awardee. The Gallie-Bateman Competition consisted of presentations from 12 of our residents in the SSP. First prize was awarded to Dr. Michael Taylor, with Drs Kyle Wanzel and Dennis Wigle tied as runners-up. The afternoon proceedings highlighted our Gordon Murray Lecturer, Professor Ara Darzi, Professor of Surgery and Head of the Department of Surgical Oncology and Technology, Division of Surgery Anaesthesia and Intensive Care, Imperial College of Science Technology and Medicine, London, United Kingdom. His lecture which focused on the impact of technology on surgical practice, was superb. This lecture served as a springboard for a Symposium addressing the issues related to Technological Advances in Surgery. Drs. John Bohnen, Eric Poulin and Peter Singer, were joined by The Honourable Bob Rae and Ms. Marnie Weber in this Panel Discussion.

The George Armstrong-Peters Prize for best young investigator in the Department, was awarded to Dr. Michael Tymianski for his research investigating the cellular mechanisms of neuroal injury following stroke, while the Lister Prize for the best Senior Investigator was awarded to Dr. James Wright, citing his worldwide reputation in the field of epidemiology and population health research. This year, the inaugural Charles H. Tator Surgeon Scientist Mentoring Award, intended to honour outstanding achievements in SSP supervision, was given to Dr. Richard Weisel of the Division of Cardiac Surgery.

The Research Committee continued to provide organizational leadership for the research activities of the Department. One focus of this year’s Research Committee, was to organize a Workshop on Surgical Mentoring. Drs. John Marshall and Carol Swallow hosted the Workshop with staff and residents participating throughout the day. Dr. Charles Tator, Mrs. Dayle Allen and Dr. Mel Silverman stressed the importance of the right mentor for the new faculty, as well as the residents in the SSP. A set of guidelines will be developed to formalize a mentoring program within the Department.

The Research Office under the direction of Ms. Val Cabral, served a critical role in communicating research issues across the Department, coordinating all programs in the Department, including the SSP, and finally nurturing the research database containing a collation of information regarding grant-funding and awards in the Department. All applaud Ms. Cabral for her excellent efforts in this role.

In summary, this has been a banner year for research, in the Department of Surgery. We must continue to take great pride in the breadth and depth of our research accomplishments, while remaining cognizant of the importance of future research innovation, as a means of providing excellence in patient care.
The Division of Cardiac Surgery provides clinical services at three adult teaching hospitals and the Hospital for Sick Children. The University Division works closely with the Cardiac Care Network of Ontario, to provide sufficient Cardiac Surgical Services for Central Ontario. The original goal was to provide 6,000 cardiac surgical procedures per year. Unfortunately, this goal could not be attained and each of the teaching hospitals are struggling to maintain their current volume. The Ministry of Health has been very supportive in providing funding for the anticipated needs of the province. Therefore, the University Division and the Cardiac Care Network have supported the opening of three new Cardiac Surgical Centres around the Toronto area: Trillium, Southlake and Kitchener. Surgeons from the University of Toronto will be staffing each of these units. In addition, the University Division and the Cardiac Care Network have supported the opening of additional cardiac catheterization facilities, in the greater Toronto area, which have increased the number of patients being referred for surgical procedures. The closing of the paediatric cardiac surgical programs in London, Ottawa, Winnipeg and Halifax will continue to increase the number of procedures at the Hospital for Sick Children. Therefore, the University of Toronto Division of Cardiac Surgery, is seeking to recruit and retain academic surgeons for the teaching hospitals and the community surgeons for the new units.

Education Programs
The Program Director in the Division of Cardiac Surgery is Dr. Charles Peniston. We have selected one or two residents per year, who plan to pursue a career in academic Cardiac Surgery. Dr. Peniston and his committee have had a difficult time selecting among excellent candidates. The University of Toronto has been successful in receiving its first choice each year. The educational program for the residents has expanded and a large number of individuals pursuing academic endeavours, have strengthened the productivity of the Division.

Research Programs
The Research Director is Dr. Stephen Fremes, who has encouraged the development of an extensive program, which involves clinical and basic research. Dr. Fremes works closely with the group at the Institute for Clinical Evaluative Studies (ICES), at Sunnybrook & Women’s College Health Sciences Centre, with clinical efforts performed at all four hospitals. Basic science laboratories are flourishing at the University Health Network, St. Michael’s Hospital, the Hospital for Sick Children and recently, at Sunnybrook & Women’s College Health Sciences Centre. Both staff and residents have received peer-reviewed funding for their research endeavours.

Recruitment
Drs. Vivek Rao and Michael Borger have recently joined the staff at the Toronto General Hospital. Drs. Gideon Cohen and Marc Pelletier have recently joined the staff at the Sunnybrook & Women’s College Health Sciences Centre. Both St. Michael’s Hospital and the Hospital for Sick Children are seeking recruits with a strong academic background.

Academic Achievements
The number of awards attained by staff and residents, are too numerous to list.

Academic Events
The Division will host three visiting professors this year: Drs. Pat McCarthy, Rand Griep and Sir Magdi Yacoub. The University Division will host four Coach House presentations and bi-weekly resident seminars. The wet lab program is under the direction of Dr. David Latter which will be conducted at the Surgical Skills Centre at the Mt. Sinai Hospital, St. Michael’s Hospital Operating Room, St. Michael’s Hospital Robotic Centre and at the Toronto Western Hospital.

Summary
In summary, the Division of Cardiac Surgery has maintained its pre-eminent position. The clinical programs have stabilized with the opening of community-based Cardiac Surgical Services at three hospitals in the Toronto area. The training program and the research endeavours are well-established and flourishing. The future of academic development is secure in Toronto.
I take this opportunity to firstly thank Dr. Lorne Rotstein, Program Director, of our General Surgical Program. I would also like to thank Drs. Marcus Burnstein, Jack Langer and Carol Swallow for their roles in the Colorectal Program, the Paediatric General Surgeon Program and the Surgical Oncology Program respectively.

Ten new PGY-1 residents have been accepted into our General Surgical Program for the academic year of 2002-2003. These individuals are Timothy Cheang, Anir Gupta, Marilyn Innes, Shima Kassirian, Steve Lopushinsky, Lynn Mikula, Ted Rapanos, Peter Stotland, Patrick Tawadros and George Zogopoulos. We wish them success in the General Surgical Residency Program which began July 1, 2002.

Postgraduate Training
All of our final year general surgical residents were successful in completing the general Surgical Training Program in the year 2001-2002. They are as follows: Drs. Eddie Akbari, Yasser Botros, Priscilla Chiu, Cameron Gelder, Ali Jawas, Asher Khtib, Laz Klein, Deepa Kumar, MacMillan Jennifer, Mandelbaum Saul, George Oreopoulos, Crysta Pallister, Stewart Martin, Rakesh Suri, Tang Bao, Shannon Trainor and Leonard Tse.

The residents engaged in full time research in the Surgeon Scientist Program during 2001-2002 were: Drs. Neelesh Jain (Supervisor: M. Cybulsky), Rebecca Gladdy (Supervisor: J. S. Danska), Kouros Mooz ar (Supervisor: S. Gallinger), Anand Ghanekar (Supervisor: D. Grant), Mylene Ward (Supervisor: H. MacRae), Mary Anne Aarts (Supervisor: J. Marshall), Tracy Asano and Erin Kennedy (Supervisor: R. McLeod), Rachel Khadaroo, Kinga Powers and Giuseppi Papia (Supervisor: O. Rotstein).

Promotions
During this academic year Dr. Lorne Rotstein was promoted to the rank of Full Professor and Dr. Chris Schlachta was promoted to the rank of Assistant Professor.

New Faculty
During the academic year 2001-2002 Dr. Najma Ahmed joined the General Surgical Division at St. Michael’s Hospital and is a welcome addition to the University Division of General Surgery in the area of critical care and trauma. Dr. Calvin Law joined the Division of General Surgery at Sunnybrook and Women’s College Health Science Centre with a specific interest in Gastrointestinal Oncology. Dr. Andrea McCart joined the Division of General Surgery at Mount Sinai Hospital, with a specific interest in Colorectal Oncology, and a special research interest in gene therapy as it relates to cancer. Slated to join the Division of General Surgery in 2002-2003 will be Dr. Alexandra Easson, Mount Sinai Hospital/University Health Network, Dr. Rob Gryfe, Mount Sinai Hospital/University Health Network, Dr. Sandro Rizoli, Sunnybrook and Women’s College Health Science Centre, Dr. Lorraine Tremblay, Sunnybrook and Women’s College Health Science Centre and Dr. Paul Wales, The Hospital for Sick Children.

Honours and Awards
Our General Surgical Faculty achieved much recognition during this academic year. A few of the highlights included Dr. Mark Cattral, who was nominated to the Canadian Society of Clinical Investigation, Dr. Alan Dackiw who was awarded the third surgical alumni scholarship in surgical science, Dr. Steven Gallinger, who received the Israel Cancer Research Fund (ICRF) Scientific Award in June 2001. In addition, Drs. Bernard Langer and Leo Mahoney were both named Officers of the Order Canada. Dr. Robin McLeod was elected as President-Elect of the Canadian Association of General Surgeons, and Dr. Richard Reznick was elected Governor of the American College of Surgeons, for a two-year term and named the Gallie Lecturer for the Royal College of Physician and Surgeons of Canada, for 2002.

The Division of General Surgery through its entire membership and with the aid of the faculty matching program at the University of Toronto, has made its first financial contribution to the Bernard and Ryna Langer Chair, in the Division of General Surgery. This is a major accomplishment for all of the Division members and I wish to thank the Division members for their continuing contributions and for their dedication to this cause. A financial commitment to this named chair is expected to be completed by December of 2003.
There were numerous grants achieved by our faculty from the Canadian Institute of Health Research (CIHR), the National Cancer Institute of Canada (NCIC), the National Institutes of Health (NIH), the Physician’s Services Incorporated Foundation (PSI) and the Crohn’s and Colitis Foundation of Canada, as well as numerous local faculty awards. The total value of all grants received by our faculty during the academic year, as principal investigators was $3,584,01.00. This is a 30% increase in grant funding from the previous academic year.

Our surgical residents, particularly those in the Surgical Scientist Program were also extremely successful in their grant capture, as well as overall in their academic productivity. Dr. Neelesh Jain received a Physicians Services Incorporated (PSI) Foundation Grant, the Richard Lewar Centre of Excellence Grant and a Health Research Partnership Fund Fellowship. Dr. Rebecca Gladdy received a Hospital for Sick Children Fellowship. Dr. Kouros Moozar received an American Society of Colon and Rectal Surgeons Research Foundation Fellowship and Dr. Anand Ghanekar received a CIHR Fellowship and a Faculty of Medicine Postgraduate Award-Chisholm Memorial Fellowship. Dr. Mylene Ward received an Association for Surgical Education Grant, a PSI Grant and a CIHR/ACMC Grant. Dr. Mary Anne Aarts received a Surgical Infection Society Fellowship and Dr. Tracy Asano received a Johnson & Johnson Medical Product Fellowship. Dr. Erin Kennedy received a CIHR Fellowship and Dr. Rachel Khadaroo received an Alberta Heritage Foundation for Medical Research Fellowship, PSI Grant, and a University of Toronto Post-graduate Edward Christie Stevens Award. Dr. Kinga Powers received the CIHR Fellowship and Dr. Giuseppi Papia received a Surgical Infection Society Fellowship.

**Special Events**

The Annual Assembly of General Surgeons took place in May of 2002. This was once again, a tremendous success. Drs. Steven Gallinger and Carol Swallow organized it and I wish to thank them both. The highlight of this academic day was the presence of Dr. Michael Sarr from the Mayo Clinic who was the Bruce Tovee Lecturer. He did an outstanding job in assessing the presentations and making the awards for best papers to: Drs. Anand Ghanekar and Priscilla Chiu for Best Presentation and Dr. Rachel Khadaroo for Best Poster.

The 42nd Annual Update Course for General Surgeons and Residents was held at the end of April 2002. This was once again a two and half-day session, devoted to a variety of topics. The Guest lecturers were, Dr. Chip Cody from Memorial Sloan-Kettering and Dr. Nat Soper from Washington University in St. Louis. Both did an outstanding job! Again, there were a record number of registrants and because of this, we require a larger space for the upcoming Update Courses.

Dr. David McCready again organized the post-graduate course in breast surgery and the second annual minimally invasive surgical post-graduate course was held in the fall. This was organized by Drs. Eric Poulin and Joe Mamazza. Featured guests were Dr. Frederick Greene, Chairman, Department of Surgery, Carolinas Medical Center, Charlotte, North Carolina and Dr. Namir Kathkouda, Professor of Surgery, and Director of the Minimally Invasive Surgery Program and Service, University of Southern California, Los Angeles, California. In addition and once again, live Telesurgery from two of the operating rooms at St. Michael’s Hospital, demonstrated their excellent laparoscopic skills.
Resident Achievements
Royal College Examinations
All three graduating residents who took their Royal College Examinations in Neurosurgery passed and received FRCSC: They are: Drs. Mubarak Al-Gahtany; Abhaya Kulkarni; Ayman Al-Shayji

Resident Research Awards (International/National)
Several residents received externally funded fellowships and awards during the year:
Dr. Steve Casha: KG MacKenzie Memorial Award (CCNS), 1st prize; PSI Foundation Resident Research Award; outstanding paper award at the Neurotrauma Society Symposium. Dr. Brad Jacobs: CIHR Postdoctoral Fellowship; AP North America Resident Trauma Research Award; Codman Neurotrauma Young Investigator’s Award for 2002. Dr. Nicolas Phan: 2001 Synthes Award for Resident Research in Spinal Cord and Spinal Column Injury. Dr. Michael Taylor: PSI Resident Research Award; 2nd place research award, American Academy of Neurological Surgeons; runner-up resident research prize winner; KG McKenzie award for best basic science paper, CCNS; Gallie-Bateman First Prize Research Award 2002. Dr. Eve Tsai: 1st place poster prize at the CNS Meeting; Women In Neurosurgery and Science Resident Research Award, American Association of Neurological Surgeons. Dr. Abhaya Kulkarni – KG McKenzie 1st place award for best clinical research paper, CCNS. Dr. Charles Matouk – Research Fellowship Award, NREF, AANS. Dr. Sheila Singh – Research Fellowship Award from the American Brain Tumor Association. Dr. Gelareh Zadeh – CIHR/CSCI Award for Excellence in Resident Research; Angiogenesis Foundation Research Award; NCIC Student Travel Award.

Resident Research Awards (University of Toronto):
Dr. Steve Casha won 1st prize for graduate student seminar presentation, Toronto Western Research Institute Research Day. Dr. Eve Tsai won 2nd prize for her poster presentation at the Toronto Western Research Institute Research Day. Dr. Ash Singhal received an Ontario Graduate Scholarship in Science and Technology from the Institute of Medical Science. Dr. Nicolas Phan won 2nd prize in the University of Toronto Trauma Research Day, 2002. Dr. Gelareh Zadeh and Dr. Sheila Singh received Postgraduate Medical Education Awards.

Dr. Charles Matouk won this year’s Horsey Prize for best clinical research in the Division of Neurosurgery and Dr. Bradley Jacobs, second.

The Morley Prize winners for best basic science research were Dr. Nicolas Phan – first place and Drs. Eve Tsai and Gelareh Zadeh tied for second.

Dr. Moji Hodaie received the Hudson Resident Teaching Award.

Dr. Eve Tsai was the recipient of the Warren Ho Memorial Scholarship.

Dr. Michael Taylor successfully defended his PhD.

Faculty Achievements - Awards
Dr. Raj Midha: Premier’s Research Excellence Award (PREA); The Hospital for Sick Children Grant; PSI Grant; three-year CIHR grant. Dr. Michael Tymianski: three-year CIHR grant; George Armstrong Peters Award. Dr. Michael Fehlings: CIHR Equipment Grant; Christopher Reeve Paralysis Foundation Grant. Dr. Jim Rutka: three-year renewal of his CIHR grant; a three-year grant from the National Cancer Institute of Canada; and a two-year grant from Katies Kids for the Cure Foundation. Dr. Richard Perrin received the Distinguished Service Award from the Congress of Neurological Surgeons. Dr. Charles Tator received the 2001 Dr. Jonas Salk Prize from the Ontario March of Dimes; and the 2002 Grass Award of the Society of Neurological Surgeons. Dr. Ab Guha: 2002 Farber Foundation Award, American Association of Neurological Surgeons; a Cleveland Clinical Foundation grant; and a five-year grant from the National Cancer Institute of Canada Dr. Andrei Krassioukov: a grant from the Christopher Reeve Paralysis Foundation. Dr. Karen Davis: A five-year CIHR grant; Dr. Michael Fehlings and Andrei Krassioukov: Heart and Stroke Foundation of Ontario grant; 2001 Larson Award, AANS/CNS. Dr. Fred Gentili: Wight-Berris Academy Individual Teaching Excellence Award Dr. Mahmood Fazl: Hudson Teaching Award.
New Funded Initiatives

• Official opening of the Krembil Neuroscience Centre at The Toronto Western Hospital.
• Establishment of the C.H. Tator Surgeon Scientist Mentoring Award.
• Establishment of the annual Charles H. Tator/Barbara Turnbull Lectureship in spinal cord injury.
• Establishment of the Laurie Berman Fund in Neuro-Oncology research

University of Toronto Neurosurgery Lectureships

• The Botterell – Dr. Dade Lunsford, University of Pittsburgh.
• The Keith – Dr. Mitchel Berger, University of California at San Francisco.
• The Hendrick – Dr. Dominique Renier, Hopital de Necker Enfants-Malades.
• The Lougheed – Dr. Rob Brownstone, Dalhousie University; Dr. Corey Raffel, Mayo Clinic

City-Wide Rounds:

• Sunnybrook and Women’s College Health Sciences Centre, Dr. Eric Woodard, Brigham and Women’s Hospital, Boston.
• The Hospital for Sick Children, Dr. John Kestle, Primary Children’s Hospital, Salt Lake City.
• Toronto Western Hospital, Dr. Joe Piepmeier, Yale University, New Haven, Connecticut.

Promotions

Dr. Michael Tymianski and Dr. William Hutchison have both been promoted to the rank of Associate Professor effective July 1, 2002. Dr. Jean Saint-Cyr was promoted to Full Professor, July 1, 2001.

New Faculty Recruits

Dr. Eric Massicotte, Assistant Professor, has joined us at (UHN) Toronto Western Hospital, effective July 1, 2002. The number of publications by neurosurgery faculty and residents equaled 69 with 74 Visiting Professorships by the faculty.

Appointments

Dr. Ab Guha has been elected a member of the Board of Directors (Basic Science) for SNO and has been appointed to the Journal of Neuro-oncology Editorial Board; appointed to the Cancer Review Panels of the National Cancer Institute of Canada and the CIHR; Inaugural Chairholder of the Alan and Susan Hudson Chair in Neuro-oncology Dr. Andres Lozano has been named Chair of the Stereotactic and Functional Neurosurgery Committee for the World Federation of Neurological Surgeons and also Secretary-Treasurer from 2001 to 2005, for the World Society for Stereotactic and Functional Neurosurgery Dr. Andres Lozano has been appointed to the Canadian Institutes of Health Research Clinician Scientist Awards Committee and has been elected an Honorary Member of the Neurosurgical Society of Para, Brazil, as well as the recipient of the RR Tasker chair in Stereotactic and Functional Neurosurgery. Dr. Jim Rutka has been elected to the position of Chair of the Neuro-Oncology Committee of the World Federation of Neurological Surgeons and appointed to the Executive Council of the Society of Neurological Surgeons. Dr. Mark Bernstein has joined the Editorial Board of Neurosurgery Quarterly. Dr. Michael Fehlings is the Inaugural Chairholder of the Krembil Chair in Neural Repair and Regeneration has been appointed as Director of the Neural Sensory and Sciences Program at the University Health Network and appointed to the Neurosciences “A” Committee of the Canadian Institutes of Health Research. Dr. Alan Hudson has been appointed President and CEO of Cancer Care Ontario. Dr. Charles Tator has been appointed Chairman of the Canadian Brain and Health Coalition and is first incumbent of the Robert Campeau Family Foundation Chair in Brain and Spinal Cord Research at the Toronto Western Hospital and the University Toronto.

Hosted Functions

• 2002 Society of Neurological Surgeons Annual Meeting
• First Annual Peripheral Nerve Symposium

Dr. E. Bruce Hendrick (Professor Emeritus) passed away on Friday, August 17th, 2001.
The Division of Orthopaedic Surgery had another eventful year. At the request of the Chairman of the Department of Surgery, the current leadership of the division was reviewed by Dr. Clive Duncan, Professor & Chairman, Department of Orthopaedic Surgery, University of British Columbia. Dr. Duncan’s review was comprehensive and resulted in a number of recommendations for the division in terms of future growth and development. These recommendations, coupled with the changes undertaken in preparation for the Royal College review the previous academic year, will form the blueprint for academic programs, growth and development within the Orthopaedic Division for the next five years.

The Orthopaedic Division also undertook a medical student educational initiative unique to orthopaedics in Canada. Copying liberally from the Department of Psychiatry, University of Toronto, we held our first ever education week for second-year medical students interested in pursuing a career in orthopaedic surgery. Applications were invited from all Ontario medical schools, and 15 students were selected to participate in week long activities. These activities consisted of clinical and didactic educational opportunities as well as opportunity for interaction with both faculty and residents. This was a very successful week and we intend on repeating it on an annual basis. This program was developed in response to declining numbers of applications for orthopaedic training across Canada and it is hoped that this will be duplicated by other medical schools, to increase interest in orthopaedic surgery as a career.

Academic activity in the division continued to flourish. Once again, peer-reviewed publication exceeded the previous year; in addition peer review grant support also improved substantially over the previous year. This academic activity is reflected not only in these publications but also in invitations to other universities, named lectureships and participation in national and international meetings. The continued involvement of orthopaedic residents in research, both clinical and basic science research, is evident by the authorship of a number of these publications and presentations.

Because of decreased opportunity for orthopaedic residents to participate in basic science research, a decision was taken this past academic year to reinstate the mandatory one year of basic science research in orthopaedic surgery. This had been the custom up until three years ago when financial circumstances forced us to abandon this compulsory year. It is anticipated by reestablishing the compulsory year and exposing residents to basic science research, there will be renewed interest in the Surgical-Scientist Program and therefore increased interest amongst the residents, in pursuing a career in academic Orthopaedic Surgery, at completion of their training.

There were many visitors to the division in the past academic year, but the highlights were the 2001 Kennedy Visiting Professor, Dr. Freddie Fu, the Professor & Chairman of Orthopaedic Surgery at the University of Pittsburgh, who provided excellent insight into the academic potential of the much maligned subspecialty of sports medicine in Orthopaedic Surgery. Faculty and residents alike were impressed by Dr. Fu’s vision for the future and what he has established in Pittsburgh, in the area of sports medicine research and clinical care. The Basic Science Visiting Professor was Dr. Sandra Kirkley from the University of Western Ontario, who not only judged the resident presentations for the basic science research day but gave a masterful address on the planning and pitfalls of clinical trials research, in which she is a recognized North American expert.

The ABC Travelling fellows spent an enjoyable few days in Toronto both in clinical and recreational pursuit – this visiting fellowship represents the academic high-point of such travelling fellowships and we were delighted to be able to entertain them while they visited Toronto.

Individual members of the division were singled out for excellence this past year. Those recognized included Tony Miniaci, promoted to Professor of the Department of Surgery, as of July 1, 2002. In addition, Dr. Miniaci was awarded the CORE/ACOR award from the Canadian Orthopaedic Association, for his research work. Dr. Rod Davey was recognized for teaching excellence receiving the R.B. Salter Teaching Award in Orthopaedic Surgery, as selected by the residents in the Orthopaedic Training Program. Dr. Herb von Schroeder was awarded the Robert Salter Award by the Canadian Orthopaedic Research Society, to support his continuing research activities in the University of Toronto Hand Program.
Dr. James Wright won the Kappa Delta Award from the American Academy of Orthopaedic Surgery, Orthopaedic Research Society. Dr. Wright was also awarded the Lister Prize by the Department of Surgery, University of Toronto. Dr. Ben Alman was awarded the Royal College Medal Award in Surgery. He was also awarded the George Armstrong-Peters prize by the Department of Surgery, for his research activities. Dr. Douglas Hedden received the PAIRO Trust Fund Travel Award, for study in areas relating to resident education.

Dr. Allan Gross was awarded the Canadian Orthopaedic Association Presidential Award, for excellence and recognition of outstanding contributions to Orthopaedic Surgery. Dr. Erin Boynton was awarded the Samson Award by the Canadian Orthopaedic Association; this award is presented annually to the most outstanding orthopaedic research in Canada. Dr. Bob Bell was elected President of the Musculoskeletal Tumour Society and Dr. Bell and Dr. Jay Wunder hosted the Musculoskeletal Tumour Society meeting in Toronto.

Dr. Earl Bogoch was appointed Director of the Mobility Program at St. Michael’s Hospital

St. Michael’s Hospital established a new Biomechanics Laboratory; this laboratory will focus primarily on fracture fixation and will compliment the Bone-Blood Flow Laboratory currently in place at St. Michael’s.

There was one major move, one retirement and two new appointments to the Division:

Dr. Robin Richards moved from St. Michael’s Hospital to Sunnybrook & Women’s College Health Sciences Centre, to assume the position as Surgeon-in-Chief of that institution. Dr. Richards’ relocation continues the strong tradition of orthopaedic surgeons serving in the capacity of Surgeon-in-Chief, at various teaching hospitals within the University of Toronto.

Dr. John Graham after many years of service at the Toronto General Hospital, Toronto Western Hospital and eventually the University Health Network, has resigned his position as a staff surgeon. John is recognized for his excellent teaching ability both at the undergraduate and postgraduate level. John is going to continue his clinical work in Campbell River, where he is joining one of his former residents Dr. Deke Botsford in practice.

Dr. Mel Catre has been appointed to the Division of Orthopaedic Surgery at the Toronto East General Hospital. Mel is a graduate of the University of Toronto Training Program and we look forward to having him join the faculty.

Dr. Unni Narayanan has joined the staff at the Hospital for Sick Children. Unni’s primary clinical interest is in Cerebral Palsy and his research interest is in Epidemiology and he will compliment the already strong Epidemiology presence in the division.

We are looking forward to the next year in the expectation, as always, that there will be continued improvement and development of academic Orthopaedic Surgery at the University of Toronto.
The Division of Plastic Surgery had a successful year with accomplishments in teaching and peer recognition helping to keep it at the forefront of North American academic plastic surgery.

**Special Achievements**

Dr. John Semple completed his term as President of the Canadian Society of Plastic Surgeons. Dr. Nancy McKee completed her one-year term as President of the American Society for Peripheral Nerve and presided over its annual meeting in Cancun, Mexico in January 2002. Dr. Ron Zuker was elected Vice President of the American Society of Reconstructive Microsurgery and will assume the Presidency of that organization in January 2003. Dr. Peter Neligan was elected to the Board of Directors of the American Society of Plastic Surgeons, at its annual meeting in Orlando in November.

**Surgeon Scientist Program**

Dr. Kyle Wanzel completed his MEd degree and returned to the clinical stream in July. Dr. Wanzel was runner-up in the Gallie-Bateman competition. Dr. Cory Goldberg continues in the Surgeon Scientist Program under the supervision of Dr. Jeff Fialkov while Dr. Alan Eckhaus entered the program under the supervision of Dr. Joel Fish.

**Awards**

Several awards were won, both by residents and staff, this year. Dr. Kyle Wanzel won the Award for Best Poster at the Canadian Society of Plastic Surgery. Dr. Dimitri Anastakis was the winner of the W.K. Lindsay Research Supervisor Award, as well as the Arnis Freiberg Teaching Award. This marks the first time that one individual won both awards in the same year. Dr. Anastakis also won an award for the best paper at the annual American Society for Surgical Education meeting. He was also the recipient of this year’s Ross Fleming teaching award. The PAIRO Excellence in Teaching Award was presented to Dr. Howard Clarke.

**Training Program**

Five residents graduated from the Program this year: Drs. Sean Rice, Nancy DeKleer, Faisal Shareefi, Zvi Margaliot and Doug Grance. All were successful in their Royal College examinations.

**New Appointments**

Dr. Joan Lipa was appointed to Toronto General Hospital, with a clinical interest in Oncologic reconstruction and a research interest in flap physiology. Dr. Eamon Beausang was recruited to Mount Sinai Hospital also with a clinical practice in Oncologic Reconstruction. Dr. Peter Bray was appointed to the Toronto Western Hospital. Dr. Bray’s practice is in General Plastic Surgery and he has an academic interest in clinical informatics.

**Academic Events**

The 2002 Hoyle Campbell Visiting Professor was Dr. Stephen Mathes from UCSF. The annual University of Toronto Aesthetic Symposium was held in April, with a very large attendance and excellent reviews. The second annual Toronto breast symposium was held the day before the Aesthetic Symposium to equally good reviews. The annual Upper Extremity Update was held in collaboration with the Division of Orthopaedic Surgery at the St. Michael’s Hospital.

**Surgical Skills Centre**

The Division took advantage of the Surgical Skills Centre to stage several teaching events during the year. These included teaching sessions on Facial Implants; Clinical Digital Photography; Cutaneous Flaps; Craniofacial Surgery; Facial Injectables; lower leg flaps; the brachial plexus; as well as a practical two-day course on Microvascular surgery.
The Thoracic Surgical Services continues to have the largest clinical activity of any Thoracic Service in Canada. Our Transplant Program continues to burgeon, being one of the top five in the world as far as number of transplants per year. We have recently instituted a Foregut Section, which will focus on clinical and academic endeavours related to diseases of the esophagus and proximal stomach. Our program continues to be the primary tertiary referral centre for most of Ontario and quaternary referral centre, for the rest of Canada.

Our service is heavily involved in clinical trials. In one North American trial, two of our surgeons are co-principal investigators of the international trial and in Canada, we are principal investigators of two national trials.

Teaching and Research
The University of Toronto continues to be the largest and most comprehensive training program in the country for General Thoracic Surgery. Drs. Darling and Waddell received Berris-Wightman Awards, for their undergraduate teaching accomplishments. As well, the Division has instituted two awards – The F.G. Pearson Award for Best Resident/Fellow Teacher, awarded to Dr. John Samphire and Dr. Matt Kilmurry, and the R. J. Ginsberg Award for Best Postgraduate Teacher, awarded to Dr. R. J. Ginsberg.

The thoracic surgical research laboratories continue to enlarge under the direction of Drs. Keshavjee, Liu, Johnston and Waddell, providing a stimulating research environment, for ex-trainees investigating areas of lung injury and end-stage lung disease and Thoracic Oncology.

The Service has developed a broad-based interest in minimally invasive surgery exploring this approach in the management of both benign and malignant thoracic conditions. There has been an increasing interest in managing Esophageal Disease. Dr. Darling is co-ordinating this effort.

Retirement & Recruitment
The Division has recruited Dr. Andrew Pierre who assumed his duties August 2002, as an attending Thoracic Surgeon at the Toronto General Hospital. Dr. Pierre’s interest is in minimally invasive surgery and he has completed a Fellowship at the University of Pittsburgh. He will participate in the development of the Foregut Section.

Achievements
One of the most successful Thoracic Surgical Refresher Courses, the 29th Annual, was held this past June, with excellent attendance from many continents.
Faculty Appointments, Promotions, Honours and Changes

This year the Division Faculty consists of 20 geographic full-time surgeons and one Ph.D. Scientist. The hospital restructuring started 10-years ago, was completed to enable the Faculty to be geographically on three sites, Sunnybrook and Women’s College Health Sciences Centre, St. Michael’s Hospital and the hospitals in and around University Avenue (University Health Network, Mt. Sinai and Hospital for Sick Children). The Wellesley Hospital site closed. This has permitted more focused programmatic activities on each site in terms of research and education as follows:

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 Health Sciences Centre, Mount Sinai Hospital).
3. Neurourology and reconstruction – Sunnybrook and Women’s College Health Sciences Centre, Toronto Western Hospital, The Hospital for Sick Children.
4. Andrology – Mount Sinai Hospital.
5. Transplant – Toronto General Hospital, St. Michael’s Hospital, The Hospital for Sick Children.
7. Minimally Invasive Surgery – University Health Network, St. Michael’s Hospital.

The Faculty continued their global activities and leadership was provided in international clinical trials and many national and international urological organizations.

Hospital for Sick Children

Dr. Darius Bagli continued his basic research in bladder physiology. He had two fellows, both funded by the American Foundation of Urologic Disease. Dr. Jyoti Upadhyay, MD, one of the second year fellows (June 2001 to July 2002) studied the Role of Integrins in Stretch Induced Fibroproliferative Bladder Disease. In addition, Dr. Stephane Bolduc, MD, the other second year fellow, also received a one-year Bourse de Recherche Clinique from Laval University (June 2001 to July 2002) to conduct work in the same lab. He studied bladder smooth muscle responses to matrix proteolysis in vitro and in whole bladder ex vivo.

Dr. Darius Bagli and Dr. Dan Herz (fellow) won the American Academy of Pediatrics Section on Urology Research prize at the October 20 – 24, 2001 meeting for the paper, “Reversibility of extracellular-matrix induced bladder smooth muscle growth”. Dr. Dan Herz presented the paper on behalf of himself, Karen Aitken (Research Assistant), and Dr. Darius Bagli (Supervisor). This is the largest annual gathering for Paediatric Urology and undoubtedly, a very prestigious prize. In the past five years, The Hospital for Sick Children, Division of Urology has won this prize twice and finished second once.

Dr. Darius Bagli and his research team received three-year funding from CIHR as the Principal Investigator on his grant entitled: The role of Erk MAP kinase in bladder smooth muscle cell response to injury.

Dr. Bagli was promoted to Associate Professor this year as of July 1, 2002.

Dr. Walid Farhat, Assistant Professor, joined the Division of Urology this year. Dr. Farhat is a graduate of the American University of Beirut Medical School and its Urology Program. He completed a Paediatric Urology Fellowship in the Division at the Hospital for Sick Children. In addition to his clinical and teaching responsibilities, Dr. Farhat is a “Scientist Track” appointee at the Hospital for Sick Children Research Institute as a surgeon-investigator. His area of interest is Tissue Engineering and repopulation of acellular matrices for the purpose of bladder reconstruction.

Dr. Tony Khoury, Professor, was promoted last year and continued as division head. Dr. Khoury became Chairman of the Canadian Urological Association Scholarship Foundation. The foundation is responsible for awarding salary support grants to urologists who are starting their academic careers. Dr. Khoury and co-investigators Dr. Lori Burrows (Division of Urology), and Dr. Frank Dicosmo (Institute of Biomaterials and Biomedical Engineering), have received 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. Gordon McLorie, Associate Professor, finished his term as President of the Canadian Urological Association, and presided over the annual meeting in Toronto, June 2001. He continued his work in Clinical Paediatric Urology. He was promoted to Full Professor this year for his many contributions to the field of Paediatric Urology.
Dr. Lori Burrows, Assistant Professor, continued as Director of the Centre for Infection and Biomaterials Research. The Centre moved from the Toronto General Hospital to the Hospital for Sick Children where she supervised 11 members, including Tony Finelli (PGY-5) in his Master’s thesis, which he successfully defended. Dr. Burrows successfully passed her three-year review. Her Ph.D. student Julianne Kus, won the basic science (McMurrich) award at the 1st Annual Gallie-Bateman Poster presentations in May 2002. The poster title was “Diversity of type IV pilins in naturally-occurring isolates of Pseudomonas aeruginosa”, the authors being Julianne V. Kus, Winston Wong (a fourth-year Microbiology student) and Dr. Burrows. This work is part of Dr. Burrow’s CIHR-funded project on “Cell surface structures that influence biofilm formation by Pseudomonas aeruginosa”.

Mount Sinai Hospital

Dr. Martin Buckspan, Associate Professor, ceased his surgical practice and remained active in the ambulatory setting. In recognition of his contribution to postgraduate education, he was awarded the Division of Urology Residency Clinical Teaching Award, 2001-02.

Dr. Keith Jarvi, Associate Professor, continued to lead the Andrology Program with peer-reviewed funding and supervises a Fellow, post-doctoral student, and resident in the Surgeon Scientist Program. He was one of the supervisors of Tony Finelli (PGY-5) in his Master’s program. He is developing the Koffler Men’s Health Centre at Mount Sinai Hospital with John Trachtenberg.

Dr. Armand Zini, Assistant Professor, continued his basic research in infertility. He was successful in obtaining peer-reviewed grant funding and was promoted to Associate Professor, July 1, 2002.

Sunnybrook and Women’s College Health Sciences Centre

Dr. Lesley Carr, Lecturer, continued to direct the Urology School for the residents. She led the creation of and is the Medical Director of the Women’s Pelvic Health Centre at Women’s College Ambulatory Care Centre of Sunnybrook and Women’s College Health Sciences Centre. This was founded with a three-year grant of close to $700K for program development from Sunnybrook and Women’s Innovation Fund. The Centre started operation in October of 2001 and will hold a Continuing Education program in September of 2002, supported by a grant from Janssen-Ortho.

Dr. Neil Fleshner, Assistant Professor, continued his leadership in studies of prevention of prostate cancer. He is the Co-Principal Investigator with Robert Bristow of the University Health Network in a five-year inter-institutional prostate cancer network grant by the Canadian Prostate Cancer Research Initiative (NCIC). The network for molecular prostate cancer research will initially include doctors and scientists from the University of British Columbia, McGill University, and the University of Toronto (Rob Bristow and Rama Khokha from the Department of Medical Biophysics; Jeremy Squire, Department of Laboratory Medicine and Pathobiology; Drs. Neil Fleshner; and Laurence Klotz of the Department of Surgery). The network is designed to facilitate genetic and cellular testing of prostate cancer patients to improve diagnosis and treatment of prostate cancer. The project title is: Canadian molecular and micronutrient prostate cancer network. Co-applicants are Martin Gleave and Paul Rennie from the University of British Columbia. The award is for a total of $2,982,160.

Dr. Neil Fleshner was promoted to Associate Professor this year. He was also named Chief of Division of Urology at the University Health Network, as of July 1, 2002. He will be moving from Sunnybrook and Women’s College Health Sciences Centre where he has worked, since starting his Uro-Oncology career in July 1997.

Dr. Sender Herschorn, Professor, began a five-year term July 1, 2001 as Chair of the University Division. He continued as the Departmental Director of Continuing Professional Development. He continued his industry-funded research in incontinence and voiding dysfunction as well as erectile dysfunction. He was the Chair of the Surgical Committees at the second World Health Organization sponsored International Consultation in Urinary Incontinence in Paris in July. He was guest faculty at the 8th Annual Paul Peters Urology Symposium, sponsored by the Urology Department at University of Texas Southwestern Medical School, Dallas. He gave three talks on lower urinary tract problems. He was also Visiting Professor to the Division of Urology University of Ottawa, in April 2002 and lectured on clinical management of incontinence and complex reconstruction and judged their annual resident research presentations.

Dr. Herschorn was Course Director of Urology Update, 2001. This was the ninth year of the Continuing Education Seminar, which attracted over 300 participants. The planning committee consisted of Drs. John Honey, Sidney Radomski, and Dr. John Trachtenberg.

Dr. Herschorn won the Bruce Tovee Teaching award from the Department of Surgery University of Toronto, for Undergraduate Teaching, 2001-2002.
Dr. Laurence Klotz, Professor, continued his research in Uro-oncology. He also continued as Chair of the Global GU Group, Toronto Sunnybrook Regional Cancer Centre Head of the GU site group, and as Editor-in-Chief of the Canadian Journal of Urology. He was given a special award by the CUA in recognition of his success in obtaining indexation for the journal. Dr. Klotz was co-director of Urology Update 2001 in November, and chaired a successful seminar on prostate cancer in Jamaica, sponsored by AstraZeneca in February. He was Visiting Professor in the Division of Urology at Memorial Sloan Kettering Cancer Centre, New York City in April 2002. He received a grant from the Canadian Prostate Cancer Research Foundation, in May, for his project entitled: A feasibility study for a phase III 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 trial including the Select Trial and Differential Gene Expression in Prostate Cancer.

Dr. Ron Kodama, Associate Professor, continued as Program Director for the division. He also helped organize the weekly Urology school and chaired the Resident Program Committee. He also started the Annual Basic Science Course for PGY-2 and three Ontario Urology residents with a grant from Bayer. The second meeting was held in October 2001 and in the future, the seminar will be expanded to include residents from across Canada. Dr. Kodama also won the A.W. Bruce Division of Urology Undergraduate Education Award, which he has done consistently since the award began.

St. Michael’s Hospital
Dr. John Honey, Assistant Professor, continued as Director of the Urolithiasis and Lithotripsy Program at the University and was reappointed Head at St. Michael’s Hospital for another term. He continued his work with a Kidney Foundation of Canada grant to study laparoscopic donor nephrectomy, which was pioneered at St. Michael’s Hospital.

Dr. Honey obtained the UroMentor simulation system in the Division of Urology at St. Michael’s Hospital with a grant from Cook Canada. The UroMentor is a state of the art virtual reality endoscopic simulator for endourology training. The features include a realistic 3-dimensional simulation of the anatomy of the lower and upper urinary system, full representation of ureteroscopy through direct vision and fluoroscopy utilizing contrast. It provides instructors with a tool for didactic self-designed training and objective performance assessment of their trainees. The trainees become familiar with endourology tools and their therapeutic use. The simulator is available for resident training through The Endourology Unit at St. Michael’s Hospital. He was promoted to Associate Professor this year.

Dr. Robert Stewart, Assistant Professor, continued his work in the vascular biology research laboratory. He focused on vascular endothelial growth factor in human prostate cancer.

University Health Network - Toronto General Hospital
Dr. Michael Jewett, Professor, continues as Head of Urology at the University Health Network until the end of this academic year. He chaired a conference called Informatics Solutions for Prostate Cancer in October 2001, sponsored by the Canadian Prostate cancer Research Initiative. The mission of this Workshop was to inspire research and application of medical informatics to reduce the impact of prostate cancer on the health of Canadians. Dr. Jewett co-chaired Uro-Oncology Day 2002, organized by the GU site groups at Princess Margaret Hospital and Toronto-Sunnybrook Regional Cancer Centre, at the Old Mill in February. His research continued in peer-reviewed trials including the SELECT Trial funded National Cancer Institute (USA) and SWOG with Drs. Trachtenberg and Tshilias; also Differential Gene Expression in Prostate Cancer with Drs. Squire, Trachtenberg and Dr. Klotz from the National Cancer Institute of Canada.

Dr. Jewett won the annual Division of Urology Postgraduate Teaching Award from Surgical Education, for 2001-2002.

Dr. Michael Robinette, Associate Professor, continued as the main urologist in the Transplant Program. He won an award from the Kidney Foundation for lifetime achievement.

University Health Network - Princess Margaret Hospital
Dr. John Trachtenberg, Professor, is Director of the Prostate Centre at Princess Margaret Hospital.

He continued his peer-reviewed and industry funded program in prostate cancer research. His projects included: Adjusting treatment to meet patient preferences: a molecular and psychosocial approach (Princess Margaret Hospital Foundation); The SELECT Trial (National Cancer Institute (USA), SWOG); Differential Gene Expression in Prostate Cancer (National Cancer Institute of Canada); Preference functions for a health state classification for prostate cancer; Preference functions for a health state classification system for prostate cancer (Canadian Institutes of Health Research); Development of a prostate cancer prevention clinic. (Princess Margaret Hospital Foundation); Genetic immunotherapy of cancer. (Canadian Institutes of Health Research). In collaboration with others he is also initiating a phase one NIH sponsored trial of photodynamic therapy in prostate cancer. He is also continuing to develop thermotherapy as a minimally invasive treatment of prostate cancer. With Dr. Robert Nam and others at Prostate Centre he is continuing to
find means to define population at risk of developing and progressing with prostate cancer. He is developing the Koffler Men’s Health Centre at Mount Sinai Hospital with Dr. Keith Jarvi.

The Conference in Prostate Cancer (ICPC) is also an annual event under Dr. Trachtenberg’s direction and that of Dr. Larry Goldenberg, Chief of Urology at University of British Columbia. The 11th conference was held at Whistler Mountain, British Columbia in March 2002.

Dr. Trachtenberg was Visiting Professor at Washington University in St. Louis, Missouri in April, 2002. He was also the podium wrap-up speaker in Advanced Prostate Cancer at the American Urological Association Meeting in Orlando, Florida, in May 2002.

Dr. John Tshilias, Assistant Professor, continued his basic research in prostate cancer. He resigned from the Division at the end of June 2002 to begin a community practice in Etobicoke.

**University Heath Network - Toronto Western Hospital**

Dr. Magdy Hassouna, Associate Professor, continued his work on a CIHR grant in studying the role of vanylloid receptors in the bladder following spinal cord injury. He also continued his clinical role as the only urologist in Ontario performing sacral nerve root neuromodulation for voiding dysfunction. Magdy was invited as a guest speaker at the Italian Society of Urodynamics annual meeting in Milan Italy in April 2002. He was also elected Secretary/Treasurer of the International Society of Pelvic Neuromodulation in April as well.

Dr. Sid Radomski, Associate Professor, continued his role as the Urology co-ordinator in the Surgical Skills Lab. He conducted hands on sessions for the residents in various minimally topics during the year. He also was on the organizing committee for Urology Update, 2001.

**New Appointments**

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 started at St. Michael’s Hospital in July 2002, to build a Clinical Epidemiology Program in Stone and Endourology and Minimally Invasive Surgery.

Dr. Robert Nam completed his Masters in Clinical Epidemiology while in the Surgical Scientist Program. He completed the University of Toronto Uro-Oncology Fellowship at the Toronto General-Princess Margaret Hospital and Sunnybrook and Women’s College Health Sciences Centre in June. He was successful in obtaining a Canadian Urological Association scholarship award for his first year. He was also 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.

**Academic Events & Divisional Awards**

The 10th Annual Robson Research Day was a resounding success. Dr. Alan Wein, Professor and Chair of the Division of Urology, at the University of Pennsylvania, was the Visiting Professor and spoke about ‘Pharmacologic management for refractory overactive bladder’.

Dr. Keith Jarvi was the Scientific Program Director and collected 23 presentations from residents, fellows and medical students. The overall quality of work was extremely high. The four judges were Drs. Herschorn, Honey, Jarvi, and Wein.

The winners of the competition in the various categories were:

**Resident 1st Prize – Basic Research**
Dr. Eddie Matsumoto for “Virtual Reality (VR) Ureteroscopy Simulator as a Valid Tool for Assessing Endourological Skills”; Drs. S. Bilgasem, K.T. Pace, and R.J.Honey.

**Resident 2nd Prize – Basic Research**
Dr. Bobbie Shayegan for “Isolated Abnormality of Sperm DNA Integrity in Male Infertility is Uncommon”; Drs. K.Jarvi, A.Zini

**Fellow 1st Prize – Basic Research**
Dr. J.Upadhyay for “Integrins Mediate Bladder Smooth Muscle Cell Growth In Vitro”; Drs. S. Bolduc, K.Aitken, and D.J. Bagli

**Fellow 2nd Prize – Basic Research**
Dr. Mark Fischer for “Cystic Fibrosis Transmembrane Conductance Regulator (CFTR) Gene Mutations in Oligoasthenospermic Males: Genotypephenotype Correlations”; Drs. Lap Chee Tsui, M. Corey, J.Zielenski, J.Tzountzouris, P.Durie, and K.Jarvi

**Resident 1st Prize – Clinical**
Resident 2nd Prize – Clinical

Fellow 1st Prize – Clinical

Fellow 2nd Prize – Clinical
Dr. Kenneth Pace for “Laparoscopic versus open donor nephrectomy: A cost utility analysis”; Drs. V. Phan, S. Dyer, E. Poulin, C. Schlacta, J. Mamazza, R. Stewart, and R. J. Honey

The Robson Dinner was held at the Vaughan Estate and was attended by most members of the Division and community Urologists from partially-affiliated teaching hospitals. On the following morning at special inter-hospital rounds, Dr. Wein spoke about Physiology and Pharmacology of the Lower urinary tract. He then conducted a two-hour clinical session with the Urology residents.

Other Awards won by Residents and Fellows
Dr. Eddie Matsumoto, PGY-4, received the Johnson & Johnson Medical Products-Surgical Scientist Program fellowship for $25,000 for the work he did in surgical education research in Urology.

Dr. Ben Chew, PGY-4, the Harrison award for Clinical Clerk Teaching at Sunnybrook and Women’s College Health Sciences Centre in June.

Dr. Marc Anthony Fischer, Fellow with Dr. Keith Jarvi was the recipient of a combined CIHR/Kidney Foundation of Canada Research Fellowship for investigation of CFTR gene mutations and male infertility.

Uro-Oncology Fellowship
The first University of Toronto Uro-Oncology Fellowship began at the University Health Network and Sunnybrook and Women’s College Health Sciences Centre. It is funded jointly by Astra-Zeneca and Abbott Laboratories and supervised by Drs. Michael Jewett and Laurie Klotz.

Undergraduate Education
Undergraduate Education is a priority in the division, as evidenced from the number of teaching awards, and it has become an extremely popular rotation for University of Toronto medical students.

In Year 3, there are three-week rotations and in Year 4, the rotations are two weeks as part of the Surgical rotations. Urology residents frequently win undergraduate teaching awards.

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 one 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, and Dr. John Trachtenberg. The lectures and notes are updated yearly.

Elective students, usually those interested in pursuing Urology as a career, are welcomed. Many students from the University of Toronto and other universities in Canada and abroad, participate regularly.

The division also participates in the medical student evaluation process.

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

Dr. Ron Kodama is the Program Director with Dr. Leslie Carr, organizing the Urology School. Dr. Kodama chairs the Resident Program Committee, which meets on a regular basis and has broad-based representation.

Graduates of the program in 2002, were Drs. Gina Defreitas, Frank Papanickolaou, and Sharon Sharir. They all were awarded their Fellowships from the Royal College. Dr. Defreitas was successful in obtaining a Fellowship in Female
Urology, at Southwestern Medical Centre in Dallas. Dr. Papanickolaou is continuing as a Fellow in Pediatric Urology, at the Hospital for Sick Children and Dr. Sharir as a University of Toronto Uro-Oncology Fellow.

Three new PGY 1 residents were welcomed in July; Drs. Ryan Groll and Tyler Rouse from the University of Toronto and Dr. Michael Pianezza from the University of Ottawa. Dr. David Hajek is also joining the Division as a PGY-2, in transfer from the University of Pittsburgh.

The 7th Urology Fair for resident selection, which is a national event, was held in January of 2002, in Toronto, with all programs sending interview teams for all the Canadian 4th year students interested in Urology programs. Dr. Ron Kodama was appointed as co-ordinator for the next three years.

Dr. Ron Kodama also started an Annual Basic Science Course for Ontario Urology Residents. It was held in October and will be expanded to include Canadian residents. It is funded by an educational grant from Bayer.

**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**

The division also arranges a series of Visiting Professors who conduct teaching sessions with the residents, usually during Urology School. Visiting Professors this year included, Drs. Douglas Husmann from the Mayo Clinic, Dr. Michael O’Donnell from the University of Iowa, and Dr. Alan Wein from the University of Pennsylvania.

During the Urology Update, visitors included Drs. William D. Steers, University of Virginia, Gerald Brock and John Denstedt of University of Western Ontario, Yves Fradet, Laval University, Gary E. Leach, Cedars-Sinai, Los Angeles, CA, Laurence A. Levine, Rush University, Chicago, IL, Judd W. Moul, Center for Prostate Disease, Rockville, Michael O’Leary, Harvard Medical School, Glenn Preminger, Duke University Medical Center, and Richard D. Williams, University of Iowa Hospital.

**Weekly 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; 4:00 – 5:00 p.m.

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

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

The 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

**Continuing Professional Development**

Dr. Michael Jewett co-chaired a conference called Informatics Solutions for Prostate Cancer, on October 25-26, 2001, sponsored by the Canadian Prostate Cancer Research Initiative. The mission of this Workshop was to inspire research and application of medical informatics, to reduce the impact of prostate cancer on the health of Canadians.

The annual Urology Update was held on November 2-3, 2001, at the Colony Hotel. It is the largest continuing education event for practicing Urologists in Canada. There were a total of 25 speakers on various topics including minimally invasive surgery, erectile dysfunction, BPH, urinary incontinence, prostate and bladder cancer. Course director was Dr. Sender Herschorn, and co-director was Dr. Laurie Klotz. The planning committee consisted of Drs. John Honey, Sidney Radomski, and Dr. John Trachtenberg. This was the ninth annual update and attracted almost 300 participants.

Dr. Laurence Klotz chaired a meeting on prostate cancer, in February of 2002, in Jamaica. It was sponsored by AstraZeneca and was primarily for community urologists.

Dr. John Trachtenberg co-chaired the 11th Annual Issues and Controversies in Prostate Cancer, in Whistler, British Columbia. It was again, well-attended and highly-successful.
Division of Vascular Surgery

Dr. K. Wayne Johnston - Chair

Dr. Yaron Sternbach was appointed to the staff at the Toronto General Hospital with specific expertise in endovascular management and thoracoabdominal aneurysm repair.

Honours
Dr. Maggisano was appointed Knight-Commander of the Equestrian Order of the Holy Sepulcher of Jerusalem in recognition of his contribution to the field of Medicine. Dr. Johnston was reappointed as the R. Fraser Elliott Chair in Vascular Surgery and continues as Editor-in-Chief of the Journal of Vascular Surgery. Dr. Wooster is president of the Canadian Society for Vascular Surgery and has been elected as a director of the American Board of Vascular Surgery and the American Association for Vascular Surgery. Dr. Lindsay is the past-President of the Peripheral Vascular Surgery Society.

Research
Dr. Rubin obtained a five-year CIHR grant and with grant support from the Canadian Heart and Stroke Foundation and PSI, he continues his study myocardic gene expression and human neutrophil function. Dr. Lindsay received a new PSI grant entitled “Ruptured aortic aneurysm: early organ prevention strategies”. Dr. Johnston has a 5-year CIHR grant to support his basic research programs with Professors Richard Cobbold and Matadal Ojha (Biomedical Engineering) in Doppler ultrasound and in hemodynamics studies. Dr. Kucey, with Dr. J. Tu, is funded by a Grant from the Canadian Heart and Stroke Foundation to evaluate carotid endarterectomy in the community.

Education
Dr. Johnston received the Bruce Tovee Award for postgraduate teaching in surgery. Dr. Lossing’s core lectures in vascular surgery continue to be very highly evaluated. Dr. Lindsay, with Dr. Cattral, organized a major course at the Institute for Medical Sciences on the “Critical care – bench to bedside”. Dr. Wooster, Chair of the Standards Committee for the Royal College, coordinated 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 is Section Editor of Continuing Medical Education for the American Association of Vascular Surgery web-site and organized a Vascular Imaging Program in Toronto and co-organized an arterial duplex course in Alberta. Dr. Szalay is Director of Medical Education at St. Joseph’s Health Sciences Center and has developed linkages with the other academic institutions. He has also contributed to the Surgical Skills Laboratory, resident lectures and the Annual Review for General Surgeons. Dr. Kucey supervised two Master’s students from the Surgical Scientist Program. Dr. Johnston gave the following named lectures: Edwin J. Wylie Memorial Lecture (University of California San Francisco), Hume Lecture (Society for Clinical Vascular Surgery), and the Ellinwood Lecture (University of Massachusetts).

Administration
Dr. Maggisano is president of the medical association at Sunnybrook and Women’s Hospital, member of the board of directors, and is representative to the Provost Task Force on clinical faculty.

New programs
Drs. Maggisano and Kucey have established an endovascular program for treating thoracic aneurysms. Dr. Sternbach has established a program for thoracoabdominal aneurysm repair in collaboration with the Division of Cardiac Surgery at the Toronto General Hospital. Drs. Lindsay and Sternbach have extended the program for endovascular repair of abdominal aortic aneurysm at the Toronto General Hospital. Dr. Lossing has been appointed Co-Director of the Vascular Laboratory at St. Michael’s Hospital. Dr. Szalay has performed minimally invasive removal of varicose veins using a transillumination technique.
In June of 2002, the Division hosted the Fifteenth Annual Slice of Life/Computers in Medical Education workshop. Patricia Stewart chaired the Local Host Centre Committee. This international meeting focused on a variety of aspects of technology-assisted multimedia in medical education, including software design and evaluation, the integration of computer-based training into medical education, new methods and techniques for supporting the teaching of medicine, as well as planning, building and/or operating computer or multimedia facilities. Kevin Millar (BMC) won the Student Software Award for “The Virtual Temporomandibular Joint”, an interactive CD that he produced under the supervision of Bernie Liebgott. This year’s conference provided a wonderful opportunity to showcase the expertise of the Divisions of Anatomy and Biomedical Communications with most of the faculty in each division contributing workshops and/or presentations.

Bernie Liebgott, Pat Stewart and Mike Wiley have begun work on an interactive website of laryngeal anatomy for medical and dental students. The project has received funding from the Faculties of Medicine and Dentistry and the Provost’s Technology Development Fund.

In collaboration with the Division of Orthopaedic Surgery, the Division of Anatomy hosted the first annual Harland-Smith Lecture in Surgical Anatomy. This lectureship was endowed by Professor Emeritus Carlton Smith in memory of his wife Rita Harland-Smith. Both Drs. Smith and Rita Harland-Smith were faculty members of the Department of Anatomy. The goal of the lectureship is to provide an opportunity to invite a prominent clinician/scientist to the University to speak on a current topic reflecting the fundamental relationships between Anatomy and Surgery. In future years, this Lecture will be given as the April Grand Round and will highlight the application of anatomical principles to current issues in the various surgical specialties. The inaugural lecture entitled “Femoroacetabular impingement and its role in initiating osteoarthritis in the non-dysplastic hip” was given by Professor Reinhold Ganz of the University of Berne, Switzerland.

New Faculty
Dr. Barbara Balyk joined the Division in January this year as a Lecturer. Dr. Balyk received her M.Sc. in Anatomy and Ph.D. in Pharmacology and Toxicology from Queen’s University in Kingston and worked as a research scientist with Allelix Biopharmaceuticals before joining the Division of Anatomy. Dr. Balyk has taken over as Course Director for the anatomy courses taught to students in the Pharmacy and Physical and Health Education programs.

Honours and Awards
Anne Agur received the Rising Star Award from the Department of Physical Therapy for exceptional contributions to the education of Physical Therapy students.

Dr. Ian Taylor received the E. Mary Hollington Award for teaching with distinction in the pre-clinical part of the medical curriculum.
Division of Biomedical Communications

Dr. Linda Wilson-Pauwels, Chair

We were very pleased that Prof. Nick Woolridge received tenure this year, a welcome addition to the two existing tenured faculty members in the Division of Biomedical Communications: Linda Wilson-Pauwels and Margot Mackay. There are also 11 part-time faculty members who teach in the graduate program.

This year, through funding from Bell University Laboratories, the IVIS group (Interpretive Visualization) created the site architecture and multi-media visual material for a Continuing Professional Development (CPD) Course in Sentinel Node Biopsy (SNB). Based on the results of a Needs Assessment and two Formative Web Evaluations, this site will form the template for future CPD courses. Through the testing of visual material, we hope that this site will set high standards and guidelines for internet CPD course development.

Next year, we hope to again attract grant funding for applied research in visual communication.

Surgical Alumni Association

Dr. Charles H. Tator, President

Although we did not achieve our increased target for donations this year, we collected approximately the same amount as in other years, which has generally been about $100,000 annually, virtually all of which goes to the Surgical Scientist Program. As before, we worked in tandem with the fund-raising initiatives of some of our Divisions which were in the midst of focused campaigns. This is certainly understandable because divisional aspirations are always carefully conceived and designed to plug specific deficiencies. Nevertheless, we continue to encourage all faculty to donate to the Surgical Alumni Association, the chief beneficiary of which is the much-renowned Surgical Scientist Program. This program has continually been able to support almost every surgical resident from all Divisions, who makes a commitment to a formal period of training in research, during resident training in the Gallie Course.

This year we made the pitch that every current clinical faculty member in the Department of Surgery should contribute $1000 annually to the Surgical Alumni Association, and expressed our appreciation to all those who went along with the concept. We also attempted to obtain increased pledges from the Alumni who are not University of Toronto faculty, and it was very gratifying to see so many alumni responding favourably. Indeed, in two of our Divisions, non University of Toronto alumni contributed more funds than current University of Toronto faculty.

Also, we wish to express our thanks to the Division Heads who played key roles in the annual campaign. They wrote the appeal letters, they maintained the mailing lists and they encouraged their faculty and alumni, to submit news items to the Surgical Alumni Newsletter.

Sincere gratitude is expressed to Dr. Robin Humphreys who has been the editor of our Newsletter for about 10 years and has completed his stewardship. Thank you “Robin” for helping to keep us informed about University of Toronto Department of Surgery activities.

Finally, many thanks to our leader, Dr. John Wedge, who continued to support the activities of the Surgical Alumni Association, and provided great support and encouragement to me in this position.
During the 2001-02 academic year, the University of Toronto Surgical Oncology program advanced locally, provincially and within the North American world of academic cancer care. Locally, the University Program contributed to academic leadership, with the annual Surgical Oncology update and regular TORSO Rounds, organized at TSRCC by Dr. Andy Smith. Drs. Sharif Hanna and Jonathan Irish were appointed Head of Surgical Oncology at TSRCC and Princess Margaret Hospital respectively. New recruits included Dr. Robert Nam (Urology) at TSRCC, Dr. Joan Lipa (Reconstructive Surgery), and Dr. Peter Ferguson (Orthopaedics). The promotion of Surgical Oncologists into leadership positions continued, with Dr. Neil Fleshner, assuming the Head of Urology position at the University Health Network.

At the provincial level, Surgical Oncology was well-represented on the Cancer Services Implementation Committee, commissioned by the government, to advise, regarding integration of cancer care. Issues related to funding of cancer surgery were prominent in the committee’s final report. It is possible that a system of volume/complexity funding will be adopted in Ontario and this change would facilitate the development of Surgical Oncology programs, across the province.

The combined TSRCC/Princess Margaret Hospital, General Surgery Oncology Fellowship Program, expanded to accept three fellows per year under Dr. Carol Swallow’s confident leadership. The Program achieved outstanding reports in the Royal College accreditation process and was reviewed by the Society for Surgical Oncology. Although the Society for Surgical Oncology has not yet confirmed their position, it is likely that the University of Toronto Program will become the first Society for Surgical Oncology accredited fellowship, outside the United States. The other University of Toronto program with an international accredited fellowship, is the Head and Neck Surgery Oncology Fellowship.

Finally, Dr. Jay Wunder had an outstanding academic year, receiving the Gross-Rubinoff Chair in Musculoskeletal Oncology and publications in Nature Genetics, (with Sevan Hopyan and Ben Alman) and the Lancet (with Brian O’Sullivan).
Continuing Professional Development

Dr. Sender Hershorn, Director

The recent changes in Royal College Specialty accreditation, has created increasing interest in Continuing Professional Development, on the part of members of the department for their own accreditation and for the creation and provision of CPD events. Both of these activities have been supported and promoted within the department.

Last year the members of the department set about complying with the Royal College of Physicians and Surgeons of Canada guidelines, for accreditation of their own CPD activities. The guidelines require tracking all of the CPD activities for each year according to the framework in Table 1. Fellows are required to earn 400 credits during five years of active practice by participating in educational activities of their choice. The first 5-year cycle extends from January 1, 2001 until December 31, 2005. The initial deadline for registering was pushed back from January 1, 2001 to January 1, 2002. Members are required to submit Continuing Professional Development (CPD) hours from both 2000 and 2001 by that date. 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 (3) 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.

Table 1: Guidelines for Accreditation of CPD Activity

<table>
<thead>
<tr>
<th>Section</th>
<th>Examples of CPD activities</th>
<th>Assignment of credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Accredited Group Learning</td>
<td>Rounds, journal clubs, Workshops, courses, conferences, Distance education programs</td>
<td>1 credit per hour</td>
</tr>
<tr>
<td>Activities</td>
<td></td>
<td>No maximum</td>
</tr>
<tr>
<td>2. Other Learning Activities</td>
<td>Non-accredited rounds &amp; meetings, Reading journals and texts, Information (MEDLINE) searches, Audiotapes/ videotapes, Computer/Internet CME</td>
<td>1 credit per hour</td>
</tr>
<tr>
<td>Learning activities that are not necessarily affiliated with an accredited provider</td>
<td></td>
<td>Maximum of 100 credits/5 years</td>
</tr>
<tr>
<td>3. Accredited Self-Assessment</td>
<td>Self-assessment program developed or sponsored by NSS, faculties and colleges, Training or virtual reality simulators used for the purpose of self-assessment</td>
<td>2 credits per hour</td>
</tr>
<tr>
<td>Program</td>
<td></td>
<td>No maximum</td>
</tr>
<tr>
<td>4. Structured Learning Projects</td>
<td>Personal learning projects generated from participating in a CPD activity in another section, Keeping a learning portfolio, Traineeships, preceptored courses, master’s &amp; PhD studies</td>
<td>1 credit per hour</td>
</tr>
<tr>
<td>Learning activities are planned and the outcome is recorded and evaluated</td>
<td></td>
<td>No maximum</td>
</tr>
<tr>
<td>5. Practice Review and Appraisal</td>
<td>Practice audits and patient surveys, Institution audits, incident reports, utilization studies, Other care appraisal studies (based on the practices of peers)</td>
<td>2 credits per hour</td>
</tr>
<tr>
<td>Activities that assist specialists to review their practice</td>
<td></td>
<td>No maximum</td>
</tr>
<tr>
<td>6. Educational Development,</td>
<td>Publications (e.g., manuscript reviews), Preparation of presentations, teaching, examinations (question writing), Research (e.g., grant proposals &amp; trials)</td>
<td>1 credit per hour</td>
</tr>
<tr>
<td>Teaching &amp; Research</td>
<td></td>
<td>Maximum of 100 credits/5 years</td>
</tr>
<tr>
<td>Activities that involve setting standards for practice</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Over the past five years, the Department of Surgery has been extremely active in providing CPD events. There has been a steady increase in courses offered by University divisions and departments from 127 to 154, an increase of 21%. In the Department the number of courses offered has gone from 27 to 39, an increase of 44% (Figure 1). The breakdown by surgical division is shown in Table 2. Data for this report were captured from the Faculty of Medicine Continuing Education database.
Various divisions and individual surgeons also held other events during the year. Overall this past year there were more than 35 courses with an enrollment of 2484 participants. A total of 255 accredited hours were delivered. There were also additional collaborative events and courses between surgical division and other departments, that were designed for surgeons. The activities were primarily in lecture format but rounds, small group learning workshops with hands-on sessions, and preceptorships for surgeons from various parts of Ontario, were also held.

Consistent performance and innovations have been the hallmarks of activity. Each division has been committed to CE and a number of events have been particularly notable. General Surgery held its 41st annual update. The Aesthetic Plastic Surgery Course has been given for 32 years. Thoracic Surgery held its 19th course. The Vascular course has been given for 20 years and the Upper Extremity course for 17 years. The Pelvic and Acetabular course, not held under the auspices of the University but put on by the Division of Orthopedics, has been given for almost 15 years. The Urology Update will be 10 years old and has become the largest CE event in Canada.

Vascular Surgery has developed an accredited self-evaluation program and a vascular imaging program. General Surgery and the Division of Biomedical Communication are developing a web-based, self-directed program, in sentinel node biopsy in breast cancer, with a grant from Bell University Labs. The recently established Office of International Surgery held its first CE course focused on surgical problems in developing countries.

Acknowledgement of contributions and support for innovation and education, are done through the Faculty CE Department. The Colin Woolf awards are given annually, one for excellence in course coordination, one for excellence in teaching at Continuing Education events, and one for long-term contribution to Continuing Education activities. Members of the department who have won the award include Drs. Sender Herschorn (1998) and Bryce Taylor (1999) for long-term commitment and Dr. Andres Lozano (1999) for course coordination.

The DAVID FEAR FELLOWSHIP (up to $3000 for the year) is also available to members of the department to promote scholarship and professional development in continuing education, by support of participation in educational courses, site visits to other university CE departments, participation in professional CE meetings, or other activities, such as developing an educational grant or innovative CE program. The FRED FALLIS AWARD (up to $500) is available annually for an individual or group that has demonstrated innovation and excellence in the design and delivery of distance education. Other CE Research & Development Awards are also available through the Faculty CE department. (http://www.cme.utoronto.ca/research/internal.html)

There has been an increasing emphasis on CE and involvement by members of the department. Members are encouraged to participate actively in course design and delivery of CE and record their activity on their CV updates and teaching dossiers. Excellence in CE activity can have a positive impact on the annual performance review and in academic promotion. The Director of CPD is a member of the committee that reviews the teaching dossier of members who are being considered for academic promotion and contributes to the annual performance review.

Overall, there has been good support and rewards for CPD activities. The infrastructure for creating and supporting courses has been primarily from the Faculty CE Department. The Director is a member of the Faculty CE Committee. All courses are reviewed and approved by the Director and then accredited by the Faculty CE Department. Most courses have been financially successful and the guidelines for disbursement of funds, are well-popularized and adhered to. There are also abundant opportunities for research and innovation.

<table>
<thead>
<tr>
<th>Division</th>
<th>Number of CPD courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cardiovascular</td>
<td>2 2 3 2 4</td>
</tr>
<tr>
<td>General</td>
<td>5 10 4 7 8</td>
</tr>
<tr>
<td>Neurosurgery</td>
<td>2 1 3 4 3</td>
</tr>
<tr>
<td>Orthopedics</td>
<td>5 5 5 7 2</td>
</tr>
<tr>
<td>Plastics</td>
<td>2 3 7 5 8</td>
</tr>
<tr>
<td>Thoracic</td>
<td>1 2 0 1 0</td>
</tr>
<tr>
<td>Urology</td>
<td>4 2 3 3 3</td>
</tr>
<tr>
<td>Vascular</td>
<td>3 3 5 5 9</td>
</tr>
<tr>
<td>Other</td>
<td>3 3 4 5 2</td>
</tr>
</tbody>
</table>

Table 2: CE Events held by the Surgical Divisions
Following the successful renegotiation of our Alternate Funding Plan there have been a number of new appointments to our surgical staff this year. These are Dr. Walid Farhat – Urology, Dr. David Fisher – Plastic Surgery, Dr. Unni Narayanan – Orthopaedic Surgery, and Dr. Paul Wales – General Surgery. These individuals bring impressive academic and clinical credentials to our hospital Department.

Dr. Glen Van Arsdell has been appointed Head of the Division of Cardiac Surgery to succeed Dr. Bill Williams who served with distinction in the position 13 years. A search is currently in progress to replace Dr. Ron Zuker as Head of the Division of Plastic Surgery. Ron has decided to step down after serving as Division Head for 16 years!

Our faculty continued to receive national and international recognition for their accomplishments. Dr. Ben Alman of Orthopaedics who was previously awarded the Canadian Research Chair, this year received the George Armstrong-Peters Prize for outstanding contributions to research and more recently has been awarded the Medal in Surgery at the Royal College. Dr. Jim Wright won the Premier Award of the Paediatric Orthopaedic Society of North America. This is the Arthur H. Heune Memorial Award given each year to the outstanding researcher in Paediatric Orthopaedics internationally. Dr. Wright is also this year’s winner of the Lister Prize for a senior researcher in the University Department of Surgery. Last year Dr. Jim Rutka, Chair of the Division of Neurosurgery won the Lister Prize. Dr. Doug Hedden of Orthopaedics and Dr. Howard Clarke of Plastic Surgery have won PAIRO Awards for their teaching excellence.

The acuity and complexity of illness of children treated at The Hospital for Sick Children continues to rise. We have been designated as the single Paediatric Cardiac Surgical program in Ontario effective next April. The demand on our cranio-facial program has been such, that Dr. John Phillips is joining us full-time to assist with the clinical load and to ensure that this program’s profile in the care of cranio-facial disorders, continues to rise internationally. Overall, this annual report provides ample evidence of the continued increase in academic productivity of our Department, which now has 30 full-time faculty in the six specialty Divisions of Surgery. For instance, total research funding according to the Departmental database is almost $8.0 million per year.
DIVISION OF CARDIAC SURGERY

Dr. J.G. Coles - Associate Professor
Dr. G.S. Van Arsdell - Assistant Professor
Dr. W.G. Williams - Professor (Division Head)
Dr. C. Wittnich - Professor

PUBLICATIONS


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


Wittnich C: Heart & Stroke Foundation of Ontario, Orillia Chapter, Orillia, Ontario, February 2002. The effect of postnatal development and gender on the heart’s ability to tolerate stress.

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) ($90,063 2002 - 2005).


HONOURS RECEIVED
Wittnich C: Carin Wittnich Teaching Assistant of the Year Award, November 2001.

Wittnich C: Chair, Pediatric Society Scientific Session, Canadian Cardiovascular Society Annual Meeting, October 2001.


DIVISION OF GENERAL SURGERY
Dr. S.H. Ein - Associate Professor
Dr. A.H. Fecteau - Assistant Professor
Dr. R.M. Filler - Professor
Dr. J.T. Gerstle - Assistant Professor
Dr. P.C.W. Kim - Assistant Professor
Dr. J.C. Langer - Professor (Division Head)
Dr. G.L. Lukacs - Assistant Professor

PUBLICATIONS


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES

Ein SH: Pacific Association of Pediatric Surgeons, La Jolla, California, May 2002. 35 th Annual Meeting.


RESEARCH AND INVESTIGATIONS


Determinants and Modification of CFTR Expression at the Cell Surface. Dr. J. Rommens/L-T Tsui, Dr. G. Lukacs: National Institute of Health, NIDDK ($236,500 1999 - 2004).

Enhancement of nuclear trafficking to increase lung epithelial CFTR expression. Drs. H. O’Brodovich and G. Downey, Dr. G. Lukacs: Canadian Cystic Fibrosis Foundation ($310,000 1996 - 2001).


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


Peer Support for Adolescents with an Ostomy or J-Pouch and Their Parents. David Nicholas, Ted Gerstle, Sylvia Swan, Theresa Allan, Anne-Marie Griffiths: Convatec (Bristol-Myers Squibb Canada, Inc.) ($2,000 2001 - 2002).


HONOURS RECEIVED

Ein SH: Chief Residents “Best Teacher Award”, Division of General Surgery - The Hospital for Sick Children, June 2002.


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

PUBLICATIONS


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


Humphreys RP: George E. Perret Visiting Professor, Department of Neurosurgery, University of Iowa., Iowa City, Iowa., September 2001. (1) Contemporary issues with spinal dysraphism. (2) Lessons learned from 30 years of craniofacial surgery.
**Humphreys RP:** Visiting Professor. Department of Surgery, University of Alabama., Birmingham, AL, April 2002. (1) The significance of cutaneous signatures of occult spinal dysraphism. (2) Lessons learned from 30 years of craniofacial surgery.

**Humphreys RP:** Visiting Professor. Department of Surgery, Stanford University, Stanford, California, October 2001. Controversial issues in the management of pediatric brain tumors.


**Humphreys RP:** Senior Members, the American Society of Pediatric Neurosurgeons, Chapel Hill, NC, April 2002. The delivery of health care in Canada.


**Rutka JT:** Henry Ford Hospital, Hermelin Brain Tumor Center, Detroit, MI, December 2001. Classification and management of brainstem tumors in children.


**Rutka JT:** University of Pittsburgh School of Medicine, Pittsburgh, PA, April 2002. Epilepsy Surgery in Children-Current Practice at the Hospital for Sick Children.

**Rutka JT:** Annual meeting of the American Academy of Neurological Surgery, Palm Beach, Florida, November 2001. Germline and Somatic Mutations of Suppressor of fused predispose to medulloblastoma through failure to suppress sonic hedgehog and WNT signaling.


**Rutka JT:** University of Wisconsin, Madison, Wisconsin, February 2002. Medulloblastoma from a difficult past to a promising future.

**Rutka JT:** University of Pittsburgh School of Medicine, Pittsburgh, PA, April 2002. Molecular Basis of Neurosurgical Disease.

**Rutka JT:** Seoul National University, Seoul, Korea, November 2001. Multiple subpial transections.


**Rutka JT:** Seoul National University, Seoul, Korea, November 2001. New models for studying the pathobiology of human brain tumors.


Rutka JT: Seoul National University, Seoul, Korea, November 2001. Recent advances and future direction of brain tumor research.

Rutka JT: The 4th International Congress on Meningiomas and 4th International Congress on Cerebral Venous System combined with Annual Meeting of the Turkish Neurosurgical Society, Istanbul, Turkey, June 2002. Recent advances in molecular biology of meningiomas.


RESEARCH AND INVESTIGATIONS


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

Cleaning Ventricular Catheters with Ultrasonic Cavitation. Dr. J.M. Drake, Dr. Howard Ginsberg, Post-Doctoral Research Award: Medical Research Council of Canada ($57,090 1999 - 2002).


Determination of brain tumor phenotype by oncogene expression in CNS stem cells. Dirks PB: National Cancer Institute of Canada ($245,529 2000 - 2003).

Development of a Disease-Specific Health Status Outcome Measure for Children with Hydrocephalus - Resident Grant. Dr. J.M. Drake, Dr. Abhaya Kulkarni: The Physicians’ Services Inc. ($15,000 2001 - 2002).


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


Treatment of astrocytomas with verotoxin. Mainprize T, Rutka JT: Research Fellowship Award National Cancer Institute of Canada ($130,000 1999 - 2002).

HONOURS RECEIVED

Rutka JT: Lister Award, Department of Surgery, University of Toronto, July 2001.
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. M.C. Rang - 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: Queen’s University, Cancer Research Institute, Kingston, Ontario, April 2002. Wingless, Hedgehog, fibromatosis and enchondromas.


Cole WG: Divisions of Orthopaedics, Henry Ford Hospital (Case Western Reserve University) and the Detroit Children's Hospital (Wayne State University), Detroit, Michigan, February 2002. Visiting Professor; Combined Orthopaedic Grand Rounds “Spectrum of osteomyelitis in children”; Bone and Joint Center Research Seminar “Skeletal Dysplasias Reveal Genes of Importance in Skeletal Development”.


Hedden DM: Alpha Group, Annual Meeting, St., Wisconsin, February 2002. Scoliosis - When is Anterior Surgery Too Much?


Salter RB: St. Justine Paediatric Orthopaedic Review Course, Montreal, Quebec, April 2002. (1)Injuries involving the epiphyseal plate, (2)Legg perthes’ disease-basic research and its clinical applications.

Salter RB: University of Pittsburgh, Pittsburgh, Pennsylvania, November 2001. The biological concept of continuous passive motion, from origination to research to clinical application.

Salter RB: Visiting Professor, Memorial University, St. John’s, Newfoundland, July 2001. The long term (15 to 30) results of innominate osteotomy in the treatment of congenital dislocation and subluxation of the hip in children aged 1.5 to 4 years.


Wright JG: POSNA Specialty Day, Dallas, Texas, February 2002. Evidence-based orthopaedics; Changing the culture of paediatric orthopaedics.


Wright JG: American Orthopaedic Association/Canadian Orthopaedic Association, Victoria, British Columbia, June 2002. Outcomes movement. Where did we come from and where are we going?

Wright JG: University of BC, Vancouver, British Columbia, April 2002. Visting Professor University of British Columbia, Department of Pathology distinguished lecture series. Making diagnoses: Is getting a joke the same as having it explained to you?

RESEARCH AND INVESTIGATIONS
Senior Investigator’s Name Appears in Italics


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, Andrulis 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: the role of parathyroid hormone related protein and indian hedgehog. *Alman BA and Wunder JS: MRC ($318,000 2000 - 2003).*

Molecular pathology of Ehlers-Danlos syndrome and chondrodysplasias. *Cole WG: Canadian Institutes of Health Research ($1,200,270 1999 - 2004).*

Molecular pathology of fibrosis: aggressive fibromatosis as a model system. *Alman BA: Medical Research Council of Canada ($22,344 1998 - 2001).*

Randomized controlled trial of inpatients vs. home based rehabilitation following primary total hip and knee arthroplasty. *Mahomed NN, Wright JG, Hawker GA, Naglie G, Jaglal S, Badley E, Davis AM: Physicians’ Services Incorporated Foundation ($47,000 2001 - 2002).*

Randomized controlled trial of inpatients vs. home based rehabilitation following primary total hip and knee arthroplasty. *Mahomed NN, Wright JG, Hawker GA: Physicians’ Services Incorporated Foundation ($64,500 1999 - 2001).*

Scientist Award. *Wright, James G: Medical Research Council of Canada ($300,000 1998 - 2003).*

The Canadian Arthritis Network. *Cruz TF, Wright JG, 124 other co-investigators: Network Centres of Excellence ($3,800,000 1998 - 2002).*

**HONOURS RECEIVED**

**Alman BA:** George Armstrong-Peters Prize - for outstanding contributions to the research activities in the department, November 2001.

**Alman BA:** Royal College Medal Award in Surgery, January 2002.


**Hedden DM:** PAIRO Trust Fund Travel Award, August 2001.


**Wright JG:** Department of Surgery, University of Toronto Lister Prize for 2001/2002 (Awarded to an investigator who has shown outstanding and continuing productivity of international stature as evidenced by research, May 2002.)
DIVISION OF PLASTIC SURGERY
Dr. H.M. Clarke - Associate Professor
Dr. L.G. Farkas - Associate Professor
Dr. D.M. Fisher - Lecturer
Dr. C.R. Forrest - Associate Professor
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 (Division Head)

PUBLICATIONS


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


Fisher DM: Operation Smile - Preah Bat Norodom Sihanouk Hospital, Phnom Penh, Cambodia, April 2002. Member of a team of volunteer plastic surgeons.


Zuker: Visiting Professor: Royal College of Physicians and Surgeons of Canada, Lectures to Faculty and Housestaff, University of Manitoba, Winnipeg, Manitoba, April 2002. (1) Muscle transplantation for Volkmann’s ischemic contractor, (2) The role of the plastic surgeon in the separation of conjoined twins.


Zuker: Visiting Professor: Cedars-Sinai Medical Center, Plastic Surgery Quarterly Meeting, Los Angeles, California, October 2001. Lecturer: Pediatric microsurgery.


RESEARCH AND INVESTIGATIONS

Senior Investigator’s Name Appears in Italics


Skin flap ischemia: Pathophysiology and pharmacologic intervention. Pang CY, Neligan PC: Canadian Institutes of Health Research ($480,000 2001 - 2006).

The Active Movement Grading Scale - a Teaching Video. Clarke, HM, Curtis, CG: Josie Walter Fund ($15,000 2002).

HONOURS RECEIVED

Clarke HM: PAIRO Excellence in Clinical Teaching Award, April 2002.


DIVISION OF UROLOGY

Dr. D.J. Bagli - Assistant Professor
Dr. L.L. Burrows - Assistant Professor
Dr. W. Farhat - Assistant Professor
Dr. A.E. Khoury - Professor (Division Head)
Dr. G.A. McLorie - Associate Professor

PUBLICATIONS


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


Khoury AE: Mafraq Hospital, Abu Dhabi, United Arab Emirates, January 2002. Posterior urethral valves from prenatal diagnosis to puberty.


RESEARCH AND INVESTIGATIONS


Feasibility Of Contrast-Enhanced Sonography to Detect Pyelonephritis In a Pig Model. Gordon McLorie, Walid Farhat: Hospital For Sick Children Research Institute - Seed Grant ($30,000 2002 - 2004).


Identification and characterization of genes encoding antibiotic resistance in the multidrug-resistant pathogen, Burkholderia cepacia. Lori L. Burrows: Faculty of Medicine, University of Toronto (Dean’s Fund) ($9,905 1999 - 2001).


The Department of Surgery at Mount Sinai Hospital consists of four major divisions – those being General Surgery, Orthopaedic Surgery, Urology and Plastic Surgery.

General Surgery
The priority areas within General Surgery continue to be Inflammatory Bowel Disease, Gastrointestinal Oncology, Breast Disease and Head and Neck Endocrine Surgery. Further efforts at clinical integration between the General Surgical Divisions at Mount Sinai Hospital and the Toronto General Hospital continue.

In education the individuals within the Division have prominent roles. Examples are the University of Toronto General Surgery Update Course, the Mount Sinai Hospital GI Update Course, the Breast Cancer Course entitled “Controversies in the Etiology Detection and Treatment of Breast Cancer”, TORSO Rounds, Colorectal Rounds and the highly successful Evidence Based Reviews in surgery. Dr. Robin McLeod is the Chair of the Evidence Based Reviewers Committee, of the Canadian Association of General Surgeons. Helen MacRae is the Director of the Surgical Skills Centre and has contracted the curriculum to one year but has expanded the opportunities within the Surgical Skills Centre. In addition to the research aspect, a colonoscopy simulator and a laparoscopic simulator have been new purchases this year. These simulators have added tremendously to the educational aspect for all of our residents.

Several members of the General Surgical Division have active research programs. These include Drs. Alan Dackiw, Steven Gallinger, Helen MacRae, Robin McLeod, Andrea McCart and Dr. Carol Swallow. Dr. Steven Gallinger supervises two surgical scientist trainees – Kouros Moozar and Sean Cleary. Dr. Helen MacRae supervises Mylene Ward and Dr. Robin McLeod supervises Erin Kennedy, Tracy Asano and Mary-Ann Aarts. Dr. Carol Swallow currently supervises Michael Ko and Jennifer MacMillan and Emily Partridge successfully completed their Masters degree during the year.

Dr. Steven Gallinger was awarded the Lloyd Fogler Award at Mount Sinai Hospital and the Israel Cancer Research Fund Award in recognition of his cancer research contributions. Dr. Robin McLeod was elected President Elect of the Canadian Association of General Surgeons and will take over the presidency in September of 2002. In addition, she was named Regent of the American College of Surgeons following the Annual Meeting of the American College of Surgeons in October.

Orthopaedic Surgery
The Division of Orthopaedic Surgery continues to stress Arthroplasty Surgery and Orthopaedic Oncology. Dr. Peter Ferguson joined the group in July 2002, to aid in the Orthopaedic Oncology effort.
On the arthroplasty side, Allan Gross has been honoured with the Canadian Orthopaedic Association President’s Award for Excellence in recognition of his outstanding contributions to Orthopaedic Surgery. Allan remains the National Chairman for Hip Hip Hooray, which is a national fundraiser for hip prosthesis and hip surgery research. He along with Aileen Davis have received funding from the Arthritis Society, the Canadian Orthopaedic Foundation and the Canadian Institutes of Health Research looking mainly at predictors of outcome following revisionary hip arthroplasty. Dr. David Backstein has been instrumental in studying the effectiveness of video feedback, in the development of surgical technical skills in the Surgical Skills Centre at Mount Sinai Hospital. He has also received a PSI grant for his work. Dr. Erin Boynton has received research funding from the Arthritis Society, for her studies involving the Role of the Macrophage in Polyethylene Mediated Total Joint Replacement Failure. She was nominated for a Wightman-Berris Teaching Award in 2002. The Orthopaedic Oncology group which involves Drs. Robert Bell and Jay Wunder have published results of Randomized Clinical Trials Related to Clinical Outcomes in Soft Tissue Sarcoma in the Lancet in June 2002 and have published a work, Signalling Pathway Abnormality in Chonchosarcoma in Nature Genetics. Importantly, they have established a virtual private network for clinical data collection and tumour banking, for three centres – Toronto, Montreal and Vancouver – Cross Canada as part of a large interdisciplinary health research team and musculoskeletal neoplasia. Dr. Robert Bell completed his term as President of the Musculoskeletal Tumour Society and was appointed Head of the Oncology Program at the University Health Network. Sevyan Hopyan – one of the surgical scientist trainees – received his Ph.D. during this year.

Orthopaedic divisional visitors have included surgeons from around the world – from Hong Kong, Saudi Arabia, Taiwan, Brazil, Israel, Poland and England to name a few.

Urology
The Urology program at Mount Sinai Hospital is focused in the area of Andrology/Infertility. It is acting as a tertiary care centre for the management of male infertility for the Canadian population. Approximately 20% of the patients come from outside of Ontario with 60% from outside the greater Toronto area. This program has become a national resource. Dr. Keith Jarvi remains on the Executive of the Society for Studies in Male Reproduction and Dr. Armand Zini has taken on a new role as secretary of the Canadian Andropause Society.

In education, both a clinical fellowship in male infertility (Tony Fischer) and a surgical scientist research project in clinical education (Ethan Grober) were funded by CIHR and PSI respectively. The Mount Sinai Hospital Division of Urology continues to act as an andrology training centre for the Urology residents at the University of Toronto, as well as for fellows and residents in the Gynaecology Program.

The research activities have included mainly studies in the area of fertility and sterility. More specifically the areas of research have involved genetics of male fertility, sperm DNA damage, infection in male infertility and prostatitis, and the effects of varicoceles on male infertility. Granting has continued from the NIH and PSI.

Plastic Surgery
Dr. Eamon Beausang joined Dr. Nancy McKee within plastic surgery. He had a significant impact on reconstruction surgery for many of the major operative procedures particularly in head and neck, breast and abdominal oncology. Dr. Nancy McKee was appointed as Co-Chair of the Surgical Council at Mount Sinai Hospital – an important liaison position between management and the providers of surgical service.
DIVISION OF GENERAL SURGERY
Dr. Z. Cohen - Professor
Dr. J. Couture - Assistant Professor
Dr. S. Gallinger - Professor
Dr. M.R. Goldberg - Associate Professor
Dr. I.H. Koven - Associate Professor
Dr. H.M. MacRae - Assistant Professor
Dr. A. McCart - Assistant Professor
Dr. R.S. McLeod - Professor (Division Head)
Dr. I.B. Rosen - Professor
Dr. S. Sidlofsky - Assistant Professor
Dr. C.J. Swallow - Assistant Professor

PUBLICATIONS


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


MacRae HM: Canadian Society of Colon and Rectal Surgeons, Quebec City, Quebec, September 2001. Surveillance of IBD.


MacRae HM: 2001 Annual Update on Digestive Diseases, Toronto, Ontario, November 2001. Update on Laparoscopic Surgery in IBD.


McLeod RS: Cochrane Colorectal Cancer Group, Bispebjerg Hospital, Copenhagen, April 2002. Evidence Based Surgery.

McLeod RS: Canadian Surgery Forum, Quebec, PQ, September 2001. Is Crohn’s disease a contraindication for restorative proctocolectomy?


Rosen IB: North York General Hospital Department of Medicine, Toronto, Ontario, May 2002. Discovery and understanding of primary hyperparathyroidism.


Swallow CJ: Canadian Association of General Surgeons Symposium, Co-Chair, Quebec City, Quebec, September 2001. Unexpected Findings at Laparotomy.

Swallow CJ: Canadian Surgery Forum, CAGS Meeting, Quebec City, Quebec, September 2001. Unexpected findings at surgery, Co-chair.

RESEARCH AND INVESTIGATIONS

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

Developing the critical appraisal skills of surgeons. Helen M. MacRae, Robin McLeod, Glenn Regehr: The Physician’s Services Incorporated Foundation ($30,800 2001 - 2002).

Further studies of COX-2 inhibitors in mouse models of intestinal neoplasia. Gallinger S: Merck Frosst Medical School Grant ($50,000 2001).


Genetic predisposition to colorectal cancer caused by weakly penetrant APC alleles. Gallinger, S, M. Redston, J. Knight: National Cancer Institute of Canada ($400,000 2000 - 2003).


Modulation of immunosuppression and hepatic fibrogenesis by fetuin, an endogenous TGF-beta 1 antagonist. Swallow C: Physicians’ Services Incorporated Foundation ($120,000 2000 - 2002).


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


Vioxx in FAP. Gallinger, S: Merck Frosst (Awarded $8,000 per case) ($8,000 2001 - 2002).

HONOURS RECEIVED


McLeod RS: Best Paper Award Canadian Society of Colon and Rectal Surgeons (with Kennedy ED, Rothwell DN, Cohen Z), June 2002.

DIVISION OF ORTHOPAEDIC SURGERY
Dr. D. Backstein - Assistant Professor
Dr. R.S. Bell - Professor
Dr. E.L. Boynton - Assistant Professor
Dr. A.E. Gross - Professor (Division Head)
Dr. D. MacIntosh - Associate Professor
Dr. J.S. Sandhu - Assistant Professor
Dr. E.A. Silverstein - Assistant Professor
Dr. J.S. Wunder - Associate Professor

PUBLICATIONS


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


Bell RS: National Cancer Institute of Canada, Canadian Sarcoma Group, Montreal, Quebec, April 2002. IHRT in Musculoskeletal Oncology.


Boynton EL: Prof. R. Windhager, Institute for Histology and Embryology, University of Vienna, Vienna, Austria, September 2001. “The Role of Macrophage in Periprosthetic Bone Loss”.


RESEARCH AND INVESTIGATIONS
Senior Investigator’s Name Appears in Italics


HONOURS RECEIVED
Backstein D: Dean’s Excellence Fund awarded for project “Effectiveness of video feedback in the development of technical skills in surgical residents,” February 2002.

Gross AE: The Canadian Orthopaedic Association President’s Award for Excellence in Recognition of Outstanding Contributions to Orthopaedic Surgery, June 2002.
DIVISION OF PLASTIC SURGERY
Dr. E. Beausang - Assistant Professor
Dr. N.H. McKee - Professor

PUBLICATIONS


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


RESEARCH AND INVESTIGATIONS
Senior Investigator’s Name Appears in Italics

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

PUBLICATIONS


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES
Jarvi K: ISIS Regional Fertility Centre, Mississauga, ON, November 2001. Cure for Male Infertility; Do We Really Understand What We Are Doing?


RESEARCH AND INVESTIGATIONS
Senior Investigator’s Name Appears in Italics
A microbiological and epidemiological study on prostatitis. Dr. C. Nickel, Dr. K. Jarvi Dr. Marc Mittelman: National Institute of Health ($238,000 1998 - 2003).

The year 2001-02 was very important for the Department of Surgery at St. Joseph’s Health Centre. A decision was made to focus the department on minimally invasive surgery and on surgical education. As part of the decision to focus on MIS, money was set aside to build three new state of the art, surgical suites. These suites were built with new technology that would facilitate doing advanced procedures and be able to tele-conference them to sites, both inside and outside the hospital. They are the first suites built in Canada with full digital technology. It is felt that these suites will be important tools for education and recruitment of new surgeons in the future.

A new Surgeon-in-Chief was chosen in December of 2001 and Dr. Lloyd Smith took over the position in April of 2002. Dr. John Wait was the interim Chief of Surgery and did an excellent job in steering the department during the search process. Dr. Smith has a focus in minimally invasive surgery and surgical education.

Dr. Donald Jones, the former Surgeon-in-Chief, left the Health Centre in June of 2001, to become the Chief of Thoracic Oncology in Hackensack, New Jersey. The Department of Surgery wishes to thank Dr. Jones for his hard work as Surgeon-in-Chief.

The Service of Orthopaedic Surgery recruited Dr. Amr ElMaraghy in July of 2001. Dr. ElMaraghy brings to St. Joseph’s Health Centre an expertise in upper extremity surgery. He is also trained in minimally invasive surgery of the upper extremity.

The Department of Surgery is looking forward to 2002-03, to further develop our minimally invasive surgical program and its recruitment.
Division of General Surgery  
   Dr. A. Harmantas - Division Head  
   Dr. M. Baida  
   Dr. C. Compeau  
   Dr. R. Hart  
   Dr. D. Lindsay  
   Dr. L. Smith

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

Division of Plastic Surgery  
   Dr. R. Levine - Division Head  
   Dr. C. Fielding  
   Dr. R. Knowlton  
   Dr. L. Kasrai

Division of Thoracic Surgery  
   Dr. E. Spratt - Division Head  
   Dr. C. Compeau

Division of Urology  
   Dr. A. Marcuzzi - Division Head  
   Dr. V. Bojanowski  
   Dr. U. Jain  
   Dr. A. McLean  
   Dr. J. Wait

Division of Vascular Surgery  
   Dr. D. Wooster - Division Head  
   Dr. R. Louch  
   Dr. D. Szalay

RESEARCH AND INVESTIGATIONS  
Carotid endarterectomy health services research program.  
Tu JV, Kucey DS, Anderson G, Perry M, Wooster DL:  
Heart and Stroke Foundation of Ontario ($180,000 1999 - 2003).
This was a year of consolidation at St. Michael’s Hospital following the transfer of Programs and Services from the Wellesley Central Hospital. Six Programs define the program configuration at St. Michael’s Hospital: Heart, Trauma and Neurosurgery, Diabetes; Inner City Health; Mobility, and Minimal Access Therapeutics (MAT). Two members of the Department have Program leadership positions as Medical Directors of Programs. Dr. Earl Bogoch was recently selected as the Medical Director of the Mobility Program (Orthopaedic Surgery, Plastic Surgery, Rheumatology, Neurology) and Dr. Joseph Mamazza is the Director of the MAT Program (Minimally Invasive Surgery and Therapeutic Endoscopy, General Surgery and Gastroenterology).

Two new recruits were admitted to the Department this year. Dr. Najma Ahmed is a Trauma-Critical Care Surgeon. She is a graduate from McGill University in General Surgery, has a Ph.D. in Physiology, a Fellowship in Endocrine Surgery from Detroit, and a Trauma-Critical Care Fellowship from the University of Toronto. Dr. Kenneth Pace trained in Urology in Toronto, obtained his Masters in Clinical Epidemiology from McMaster, along with an Endurology Fellowship from St. Michael’s Hospital. He then did a Minimally Invasive Fellowship with St. Michael’s MIS Team and a rotation in Paris to learn Laparoscopic Prostaectomy.

Drs. John Honey and Lee Errett were both promoted to Associate Professor rank and Dr. Christopher Schlachta to Assistant Professor. Three colleagues received Teaching Awards from the Fitzgerald Academy: Dr. James Mahoney won a Master Teacher Award; Dr. Christopher Schlachta won the Clerkship Teacher of the Year Award and Dr. Robert Stewart won the Clerkship Teacher for Urology. Dr. Richard Perrin has received the Distinguished Service Award of the Congress of Neurological Surgeons, 51st Annual Meeting. Again, the MIS Team organized an Update in Minimally Invasive Surgery with over 130 participants. The Division of Cardiac Surgery hosted the 6th Annual Terrence Donnelly Cardiac Residents’ Research Day, which was attended by every Cardiac and Vascular Resident from across Canada. Dr. James Mahoney, co-directed the 18th Annual Upper Extremity Update, which targeted Orthopaedic, Plastic and General Surgeons, who are interested in the most current methods of Upper Extremity reconstruction. The 5th Annual Foot and Ankle Symposium directed by Dr. Timothy Daniels was a great success this year with 286 registrants from across Canada, United States and South America in attendance.

A number of surgeons obtained new research grants or renewal funding this year. Dr. Earl Bogoch, a CIHR Operating Grant; Dr. Michael McKee, an OTA Grant; Dr. Robert Stewart, a Prostate Cancer Research Foundation of Canada Grant; Drs. Honey, Pace, Stewart, Schlachta, Mamazza and Poulin, a Kidney Foundation of Canada Grant and Dr. Christopher Schlachta, a PSI Grant.

Bricks and mortar are always part of change and this year is no different. The Victoria Wing has been renamed the Cardinal Carter Wing. The four new floors in the Cardinal Carter Wing were officially opened in the Fall. The 16th Floor is home to the Minimal Access Therapeutics Program (Minimally Invasive Surgery and Therapeutic Endoscopy). This comprehensive facility houses an eight-room endoscopy unit, patient ward, for Gastroenterology and General Surgery patients, a Learning Centre, offices for all 11 Gastroenterologists and three MIS Surgeons as well as offices for research fellows. The five new operating rooms of the Ambulatory Centre are being constructed on the same floor as the 17 Core Operating rooms and are scheduled for completion in March 2003.

On the horizon, there is even more change. The Foundation has surpassed its $40 Million Capital and Research fund-raising goal and the Campaign still has some time to go. There is active planning for a Research Building and St. Michael’s Hospital is within a year of initiating a new strategic planning process.
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. Y. LeClerc - Assistant Professor
Dr. J.K. Yao – Assistant Professor

PUBLICATIONS


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


RESEARCH AND INVESTIGATIONS
Senior Investigator’s Name Appears in Italics


Molecular Epidemiology of aneurysm. Losing 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 (Division Head)
Dr. D. Currie – Associate Professor
Dr. J. Koo - Associate Professor
Dr. T.S. Lau – Lecturer
Dr. L.J. Mahoney – Associate Professor
Dr. J. Mamazza - Assistant Professor
Dr. R.A. Mustard - Assistant Professor
Dr. E.C. Poulin - Professor
Dr. C.M. Schlachta - Lecturer

PUBLICATIONS


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES
Ali J: University of the West Indies, Trinidad & Tobago, January 2002. Trauma Evaluation And Management (TEAM) program.


Burnstein MJ: Canadian Surgery Forum, Quebec City, Quebec, September 2001. Colonic Crohn’s Disease - Is Segmental Resection Appropriate?


Schlachta CM: Canadian Association of General Surgeons, Quebec City, September 2001. Information technology in minimal access surgery.


**RESEARCH AND INVESTIGATIONS**

*Senior Investigator’s Name Appears in Italics*

A randomized phase III clinical trial to compare sentinel node resection to conventional axillary dissection in clinically node negative breast cancer patients. *Dr. J. Koo, Dr. R. Haq Dr. D. Bell Dr. D. N. Greyson Dr. B. Gray: NSABP NCI* ($45,578 2001 - 2002).


NSABP Clinical Trials. *Dr. J. Koo, Dr. R. Haq: NSABP* ($7,521 2001 - 2002).


Testing of a prototype ultrasound scanner for high resolution 3-D halographic imaging in patients who are undergoing stereotactic breast biopsy or needle localization and lumpectomy procedures. *Dr. J. Koo, Dr. A. Zalev Dr. J. Wall Dr. F. Goldberg: Midipattern Corporation Private, Toronto technology company* ($50,000 2001 - 2002).

**HONOURS RECEIVED**

Bohnen JMA: Best Lecturer, Principles of Surgery Postgraduate Lecture Series, Department of Surgery, May 2002.

Bohnen JMA: Professional Association of Interns and Residents of Ontario (PAIRO) Trust Fund Travel Award for Clinical Educators, June 2002.

Koo J: Elected Member of Breast Committee NSABP, Pittsburgh, USA For a duration of 3 years, September 2001.


Schlachta CM: Fitzgerald Academy Clerkship Teaching Award, May 2002.
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
Carlotti, A; Bohn D; Rutka, J; Singh, S; Berry, D; Sharman, A; Cusimano, MD; Halperin, M: A Method to Estimate Urinary Electrolyte Excretion in Patients at Risk of Developing Cerebral Salt Wasting. Journal of Neurosurgery: September 2001: 95: pp 420-424.


Wanzel, KR; Hamstra, SJ; Anastakis, DJ; Matsumoto, ED; Cusimano, MD: Press-Release--Surgeons’ Performance Related to Visual-Spatial Ability. The Lancet: January 2002:

INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


Cusimano MD: Hannover, Department of Neurosurgery, Anniversary Symposium, Hannover, Germany, June 2002. Dr. Madjid Samii Anniversary Symposium.


Muller PJ: CIMIT Lecture Series Massachusetts General Hospital, Boston, Massachusetts, May 2002. Brain tumor photodynamic therapy theory and practice.


Perrin RG: Saba University School of Medicine, Saba, Netherlands-Antilles, November 2001. Head Trauma and Stroke.


RESEARCH AND INVESTIGATIONS

Senior Investigator’s Name Appears in Italics


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


HONOURS RECEIVED

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


Daniels TR: University of Saskatchewan, Orthopaedic Grand Rounds, Saskatoon, SK, October 2001. 1) Current concepts of total ankle arthroplasties; and 2) Diabetic foot disorders.

Daniels TR: Interdisciplinary Management of the High Risk Foot: Applying Best Practice -- Presented by Wound Healing and Skin Ulcer Prevention Program of St. Michaels’ Hospital, Key Note Speaker, Toronto, Ontario, September 2001. 1) The charcot arthropathy; 2) Panel and case studies; and 3) Panel and case-based presentations.


Daniels TR: 3M-St. Michael’s Hospital Wound Care Preceptorship, Toronto, ON, November 2001. Management of charcot arthropathy.

Daniels TR: St. Michael’s Hospital Acute Wound Care Preceptorship Program in partnership with 3M and KCI Medical Canada, Toronto, Ontario, April 2002. Surgical Management of Charcot Foot.


RESEARCH AND INVESTIGATIONS

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).


Development of a Biomechanics Laboratory. *Schemitsch EH: St. Michael's Hospital Foundation* ($500,000 2001).

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).


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

**HONOURS RECEIVED**

Daniels TR: $1.1 Million Donation for Dr. Daniels toward St. Michael’s Hospital Fracture Clinic (Anonymous), December 2001.

Daniels TR: President of the Canadian Orthopaedic Foot and Ankle Society, June 2002.

Daniels TR: St. Michael’s Hospital’s Clinical Outcomes Competition - High Risk Foot Clinic, January 2002.


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

INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES

Mahoney JL: 2nd European Vacuum Therapy Symposium, Salisbury, UK, June 2002. TNP Applications in Diabetic Wounds.


HONOURS RECEIVED
Mahoney JL: Master Teacher Award, Fitzgerald Academy, St. Michael’s Hospital, January 2002.
DIVISION OF UROLOGY

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

PUBLICATIONS


RESEARCH AND INVESTIGATIONS

Angiopoietin Gene Expression and Regulation in Human Prostate Cancer Angiogenesis. Stewart, Robert J: Prostate Cancer Research Foundation of Canada ($100,000 2001 - 2002).


DIVISION OF VASCULAR SURGERY
Dr. F.M. Ameli - Associate Professor (Division Head)
Dr. A.G. Lossing - Associate Professor

PUBLICATIONS

RESEARCH AND INVESTIGATIONS
Senior Investigator’s Name Appears in Italics
Abdominal Aortic Aneurysm Study. Lossing A: Cellux-C ($250,000 2001).
Sunnybrook and Women’s College Health Sciences Centre

Dr. Robin Richards - Surgeon-in-Chief

HEADS OF DIVISIONS
Dr. S.E. Fremes - Cardiac Surgery
Dr. S. Hanna - 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 academic year. The year began with the news that Drs. Ron Kodama and Hans Kreder had been promoted to the rank of Associate Professor and Steve Fremes to Full Professor. Dr. Bernie Goldman, having received many accolades, remained as Surgeon-in-Chief until Dr. Robin Richards began his term in September of 2001. The Hospital continued to operate at three sites, the Sunnybrook Campus, the Women’s Campus and the Orthopaedic and Arthritic Institute. The management of the operating rooms and related services were amalgamated with Dr. Richards as Co-Director and the integration of policies and procedures, initiated. During the year there were two changes in the Chief Executive office and a change in Anaesthesia Leadership. Human Resources issues in the Anaesthesia Department created challenges that were partially offset by increased efficiencies. Due to resource issues a Ministerial Operational Review was initiated, that no doubt, will lead to further changes.

Appointments
The Department welcomed Dr. Marc Pelletier into the Division of Cardiac Surgery, Dr. Sagun Tuli into the Division of Neurosurgery, Dr. Calvin Law to the Division of General Surgery and Drs. Albert Yee and Robin Richards into the Division of Orthopaedic Surgery. Dr. Sender Herschorn was appointed as the University Division Chair of Urology. Dr. Robin Richards was appointed Chair of the Departmental Promotions Committee. Dr. Jeffrey Fialkov (Plastic Surgery) and Dr. Andy Smith (General Surgery) had successful three year reviews and moved from Associate to Active staff. Dr. Bernie Goldman was awarded Emeritus status. Dr. David Stephen was appointed Chief Examiner for Orthopaedic Surgery by the Royal College of Physicians and Surgeons of Canada. Dr. David Rothenberger of the University of Minnesota, performed a review of the Division of General Surgery, co-incident with Dr. Sherif Hanna, completing ten successful years as Division Head.

Inter-Divisional Initiatives
Several Department members provided leadership to Institutional initiatives, such as the Trauma Program (Dr. Fred Brenneman), the Musculoskeletal Program (Orthopaedic and Arthritic Institute – Dr. John Cameron) and Surgical Oncology (Dr. Sherif Hanna). A multidisciplinary interdivisional spine initiative was developed under the leadership of Dr. Hamilton Hall. The Schulich Heart Program initiated an interdivisional endovascular stenting program, for thoracic aortic aneurysms, with the participation of Drs. Daryl Kucey (Vascular Surgery) and Marc Pelletier (Cardiac Surgery). Dr. Lesley Carr continued her work directing the Women’s Pelvic Health Centre.

Teaching
Dr. Sender Herschorn won the Tovee Award for undergraduate teaching. Dr. Peter Chu received the Problem-Based Learning Tutor Award, of the Peters-Boyd Academy. In addition to his Peters-Boyd Academy Teaching Award, Dr. Chu won the Department of Surgery, Surgical Skills Centre, Distinguished Education Award. Dr. Mahmood Fazl received the 2001-2002 Alan R. Hudson Neurosurgery Faculty Teaching Award. Dr. Ron Kodama won the A.W. Bruce Undergraduate Teaching Award for the Division of Urology. Harrison Awards were given to Drs. Andrew Burns and Brett Beber in December and Dr. Ben Chew and Brian Rotenberg in June. Dr. John Murnaghan received the best paper award at the Annual Meeting of the Association for Surgical Education, on April 6, 2002 in Baltimore, Maryland for his paper entitled “Evaluating the Effectiveness of a Two Year Curriculum in a Surgical Skills Centre”. This paper was co-authored by Dr. Mitch Brown and others. Dr. Robin Richards co-coordinated the 18th Annual
Upper Extremity Update and Drs. Stu Wright, Terry Axelrod, Paul Binhammer and Dr. Richard Holtby participated. Drs. Mitch Brown and John Semple co-chaired the 2nd Annual Toronto Breast Surgery Symposium in April. Dr. Raj Mihda hosted the first Annual University of Toronto Peripheral Nerve Symposium. Dr. Michael Schwartz organized an Update on Radiosurgery at the Canadian Congress of Neurological Sciences in Vancouver. Drs. Oleh Antonyshyn and Jeff Fialkov presented a superb University Trauma Rounds on craniofacial reconstruction.

Research
Dr. Raj Midha (Neurosurgery) received the Premier’s Excellence award for his research. Dr. Lavina Lickley received a Women of Action Award from the Israel Cancer Research Fund. Dr. Claire Holloway continued her breast cancer research and initial plans were made for the development of an experimental operating room at the Sunnybrook Campus. Dr. John Semple received a large grant for a tissue-engineering initiative. Dr. Laurie Klotz received an award from the Canadian Uro-Oncology group for his leadership from 1995-2001. Dr. Steve Fremes received recognition for his work on intra-operative coronary angiography and was active supervising graduate students. Dr. Daryl Kucey’s graduate student (Dr. Lawrence Green), presented his research at Gallie Day. Dr. Carrie Whyne directed a program of biomechanical research, in association with members of the Orthopaedic Division.

Other Honours, Awards and Activities
Dr. Ted Ross (General Surgery) received the Tile Award in December and Dr. Raj Mihda (Neurosurgery) the same award in June. Dr. Sender Herschorn was appointed a member of the Scientific Committee of the International Continence Society and was appointed to the Board of Directors’ Alternates, for the American Urological Association for 2002-2003. Dr. Marc Pelletier was awarded the Royal College of Physicians and Surgeons of Canada Prize, for the best paper published in the Annals of the Royal College during 2001. Dr. Laurie Klotz received a Recognition Award from the Canadian Urology Association and the Canadian Journal of Urology. Dr. John Semple was President of the Canadian Society of Plastic Surgeons.
Drs. Massey Beveridge and Peter Chu were active in International Surgical activity. Dr. Joel Fish continued to direct the comprehensive activities of the Ross Tilley Burn Centre. Drs. Marv Tile and Hamilton Hall were active in the Sunnybrook and Orthopaedic and Arthritic Foundations respectively and worked through the year towards their integration. Drs. Robert Maggisano and Richard Holtby served on the Executive of the Medical Dental Midwifery Staff Association. Dr. Maggisano was also elected as an Institutional representative to the Provincial Steering Committee on Alternative Funding Plans and represented Sunnybrook and Women’s physicians, on the Provost’s Task Force on Clinical Faculty. Dr. George Christakis competed a term as Chairman of the Board of SHUTC.

New Staff
Dr. Gideon Cohen received the Charles H. Bryan Annual Clinical Excellence Award in Thoracic and Cardiovascular Surgery, from the Cleveland Clinic Foundation and will be joining the Division of Cardiac Surgery. Drs. Sandro Rizoli and Lorraine Tremblay will be joining the Division of General Surgery and the multidisciplinary Department of Critical Care. Dr. Robert Nam will be joining the Division of Urology to replace Dr. Neil Fleshner who was appointed Head of the Division of Urology at the University Health Network.

Conclusion
In the Spring we were pleased to learn that Dr. Michael Ford would be promoted to Assistant Professor and Drs. Joel Fish and Neil Fleshner to Associate Professor. Although the Department faced many challenges during the year it remained well-aligned with the Institution’s Clinical Service Priorities. In particular, activities relating to trauma, cancer, heart disease and musculoskeletal disorders are emphasized by the Institution and the Department plays an integral role in patient care, teaching and research, in these areas.
DIVISION OF CARDIAC SURGERY
Dr. G.T. Christakis - Associate Professor
Dr. S.E. Fremes - Professor (Division Head)
Dr. B.S. Goldman - Professor
Dr. M.P. Pelletier - Assistant Professor

PUBLICATIONS


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


Christakis GT: Contemporary Cardiac Care Conference, Huntsville, Ontario, September 2001. Does the Type of Aortic Valve Prosthesis Really Matter?


Pelletier MP: McGill University, Department of Cardiovascular Surgery, Montreal, Quebec, May 2002. Radial artery use is safe in patients with moderate to severe left ventricular dysfunction.

RESEARCH AND INVESTIGATIONS

Senior Investigator’s Name Appears in Italics

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


Stem Cell Chemotaxis in Acute Myocardial Infarction. Marc Pelletier: 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). Frenes, SE (site): Aventis Pharmaceuticals, Inc ($100,000 2001 - 2002).

HONOURS RECEIVED


Pelletier MP: Research Scholarship, Research Institute of Sunnybrook and Women’s College Health Sciences Centre, July 2001.

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

PUBLICATIONS


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


Hanna SS: Nanjing First Hospital, Nanjing, China, May 2002. Pancreatic Resection for Metastatic Renal Cell Carcinoma: Presentation, Treatment and Outcome.


Smith AJ: Wellspring, Oakville, Ontario, June 2002. What’s New in Colorectal Cancer Treatment and Research?

**RESEARCH AND INVESTIGATIONS**

*Senior Investigator’s Name Appears in Italics*

**2001 Research Summer Studentship Award Program.** Smith AJ, Greco, E: Research Administration, Sunnybrook and Women’s College Health Sciences Centre ($1,600 2001).


The role of anaemia in the pathobiology of colorectal hepatic metastases. Smith AJ: Sunnybrook Trust for Medical Research ($38,000 2000 - 2001).


The role of angiogenesis in tumor cell invasion. Lickley HLA, Seth A, Hanna WM, Catzavelos C: Bennett Family Foundation ($250,0000 2000 - 2001).

HONOURS RECEIVED

Chu P: Department of Surgery Surgical Skills Centre Distinguished Education Award, May 2002.

Chu P: Sunnybrook Hospital Peters-Boyd Academy Teaching Award, May 2002.

Ross TM: Marv Tile Award, April 2002.
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. S. Tuli - Assistant Professor

PUBLICATIONS


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES

Midha R: 14th Annual Bethesda Spine and Peripheral Nerve Workshop, USUHS, Bethesda, Maryland, June 2002. 2 day faculty for cadaveric nerve dissection and nerve repair course.


Midha R: 37th Annual Meeting, Canadian Congress of Neurological Sciences, Vancouver, British Columbia, June 2002. Update on peripheral nerve surgery, Course Director and Chair.

RESEARCH AND INVESTIGATIONS
Senior Investigator’s Name Appears in Italics


HONOURS RECEIVED
Fazl M: 2002 Alan Hudson Neurosurgery Faculty Teaching Award, May 2002.

Midha R: Annual Marvin Tile Award, SWCHSC, University of Toronto, June 2002.
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 - Lecturer
Dr. J.D. Gollish - Assistant Professor
Dr. H. Hall - Professor
Dr. P.J. Holliday - Research Associate
Dr. R.M. Holthy - Assistant Professor
Dr. G.A. Hunter - Professor
Dr. H.J. Kreder - Associate Professor
Dr. B.E. Maki - Associate 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


Mihailidis A, Fernie GR, Barbenel J: Using artificial intelligence to assist people with dementia to be more independent. World Congress on Medical Physics and Biomedical Engineering Chicago, Illinois: 2000: CD-Rom


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


Maki BE: North York General Hospital (Senior’s Centre), Physiotherapy Education Session, Toronto, Ontario, November 2001. Control of limb movements to preserve postural balance: age-related impairment and the implications for fall prevention.


Richards RR: Alpha Club, St. Lucia, February 2002. Fixation of Radial Head Fractures.


Schatzker J: Basic AO course, Warsaw, Poland, October 2001. Course Chairman and lecturer.


RESEARCH AND INVESTIGATIONS

Senior Investigator’s Name Appears in Italics


Biomechanical comparison of intermedullary nail and blade plate fixation for tibiotalocalcaneal arthrodesis. *DJG Stephen, C Whyne PhD: Synthes Canada* ($10,000 2002).

Biomechanical comparison of intermedullary nail and blade plate fixation for tibiotalocalcaneal arthrodesis. *DJG Stephen, C. Whyne: Zimmer funding via the Research Committee at University of Toronto* ($10,000 2002).


Dean’s Research Fund, University of Toronto, Ontario. *Albert Yee: Faculty of Medicine: Dean’s Research Fund* ($10,000 2001).

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


Operating Grant, Sunnybrook & Women’s College Health Sciences Centre. Albert Yee: Sunnybrook Trust ($25,000 2001 - 2002).


Planning and organization of International Conference on Technology and Aging to be held in conjunction with a Federal/Provincial/Territorial meeting of ministers responsible for senior citizens. Fernie GR: Ontario Min of Energy, Science & Technology Ontario Seniors’ Secretariat ($150,000 2000 - 2001).

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).

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


University of Toronto, Division of Orthopaedic Surgery Research Committee.  *Dr. Cari Whyne, D. Stephen, MD: Zimmer - University of Toronto Partnership Program* ($10,000 2002).

Upgrading the Orthopaedic Biomechanics Laboratory for Clinically Translational Research.  *Whyne C: Canada Foundation for Innovation, New Opportunities Award and the Ontario Innovation Trust* ($137,460 2001 - 2002).


**HONOURS RECEIVED**

**Fernie GR:** Dr. Jonas Salk Award, June 2002.

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

PUBLICATIONS


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


Beveridge M: Rui Jin Hospital / Shanghai Second Medical University, Shanghai, Peoples Republic of China, November 2001. Contemporary Burn Treatment in Canada.

Beveridge M: Canadian Surgical Forum. Canadian Association of General Surgeons, Quebec City, Quebec, September 2001. I have a devil in my belly: The art of moving among medical cultures.


Fish JS: 10th anniversary update, burn wounds and, Winnipeg, Manitoba, June 2002. Institute for bioding hostils natural research council.


Semple JL: The Scarborough Hospital, Department of Surgery Special Rounds, Toronto, Ontario, September 2001. Sentinel lymph node biopsy for melanoma. Who needs it and why?

RESEARCH AND INVESTIGATIONS

Senior Investigator’s Name Appears in Italics

A Model for Strain Patterns in the Upper Facial Skeleton. Jeffrey A. Fialkov: Dean’s Fund Competition for New Staff Grants, Autumn 2000 University of Toronto Faculty of Medicine ($8,850 2001 - 2002).


Development of Care Maps in Burn Rehabilitation. Dr Joel Fish, Dr Manuel Gomez: St Johns Hospital , Back On Track Program ($30,000 2000 - 2001).

Economic evaluation of intervenous immune globulin treatment in patients with toxic epidermal necrolysis. Dr. Joel Fish, Dr. Neil Shear, Sandra Knowles, Dr. Manuel Gomez: partnership fund competition ($30,000 2001 - 2002).


Immunopathogenesis of drug-induced hypersensitivity syndrome. Dr. Joel Fish, Dr. Neuman, Dr. Gomez, Dr. Cartotto, Dr. Beveridge, Dr. Neil Shear: Canadian Dermatology Foundation ($10,000 2002).


Pharmacoeconomic Evaluation of IVIG. Dr. Joel Fish: Bayer partnership fund ($30,000 2002).


HONOURS RECEIVED


DIVISION OF UROLOGY
Dr. L.K. Carr - Lecturer
Dr. J.G. Connolly - Professor
Dr. N.E. Fleshner - Assistant Professor
Dr. S. Herschorn - Professor
Dr. L.H. Klotz - Professor (Division Head)
Dr. R.T. Kodama - Associate Professor

PUBLICATIONS


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


Fleshner NE: Department of Urology, University of Minneapolis, Minesota, July 2001. Role of Nutrition in Prostate Cancer.


RESEARCH AND INVESTIGATIONS


Controlled clinical trial to investigate the safety and efficacy of the urethral bulking agents Macroplastique for the treatment of stress incontinence after transurethral resection of the prostate or radical prostatectomy. Herschorn S, Uroplasty Inc. ($45,000 - 2001)

A randomized, double-blind, placebo-controlled, multicentre, fixed-dose, parallel group, 3-month comparison study to investigate the efficacy and safety of the phosphodiesterase type V inhibitor BAY 38-9456 in males with erectile dysfunction following radical prostatectomy. Herschorn S: Bayer ($35,000 2001-2002)

A prospective trial of Tension-free vaginal tape with abdominal guides for female stress urinary incontinence. Herschorn S; Gynecare Ethicon (Somerville, NJ) ($5000)

Controlled clinical trial to investigate the safety and efficacy of the urethral bulking agents Macroplastique for the treatment of stress incontinence after transurethral resection of the prostate or radical prostatectomy. Herschorn S, Radomski S: Uroplasty Inc. ($45,000 1999 - 2001).

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
Herschorn S: Bruce Tovee Teaching Award for Undergraduate Teaching. 2002


DIVISION OF VASCULAR SURGERY
Dr. D.S. Kucey - Assistant Professor
Dr. R. Maggisano - Assistant Professor (Division Head)

RESEARCH AND INVESTIGATIONS
Senior Investigator’s Name Appears in Italics
The Toronto East General Hospital opened 11 wonderful new OR theatres in August 2002, which have been much appreciated.

Dr. Ian Harrington, Chief of Surgery, retired from active staff in July 2002 but remains active on courtesy staff.

Dr. Laura Tate, Division of Plastic Surgery, was selected as Chief of Surgery for a five-year term.

Dr. Peter Kalman, Division of Vascular Surgery, resigned from staff in September 2001.

We were all saddened by the loss of Dr. Gary Stoik, Division of General Surgery, last Spring. Gary’s life was celebrated at a memorial service with his family and friends/staff of the Toronto East General Hospital, in June. His surgical expertise, dedication to family/patients and his playful character are examples for us all.

Dr. Paul Sullivan has been recruited to the Division of General Surgery, in August 2002. We are excited about Paul’s MIS skills and welcome him.
FACULTY
Dr. T.W. Barrington - Assistant Professor - Orthopaedic Surgery
Dr. P. Bernick – Lecturer – General Surgery
Dr. V. Campbell – Lecturer – Vascular Surgery
Dr. M. Catre – Lecturer - Orthopaedic Surgery
Dr. T. Gilas – Assistant Professor - General Surgery
Dr. I.J. Harrington - Associate Professor - Orthopaedic Surgery
Dr. W.J. Kraemer - Lecturer - Orthopaedic Surgery
Dr. R. Mackenzie – Assistant Professor – General Surgery
Dr. R. MacMillan – Assistant Professor - Urology
Dr. G.L. Maistrelli - Associate Professor - Orthopaedic Surgery
Dr. W. Tanner - Lecturer - Vascular Surgery
Dr. P. J. Weiler - Lecturer - Orthopaedic Surgery
Dr. P. Wong - Lecturer - Orthopaedic Surgery
Dr. R. Zeldin – Assistant Professor – General Surgery

PUBLICATIONS


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


Maistrelli GL: 86 SIOT (Italian Orthopaedic Society Annual Meeting), Rome, Italy, November 2001. 1) State Of The Art In Cementless Hip Arthroplasty. 2) Valgus Deformities In Knee Arthroplasty.

HONOURS RECEIVED
University Health Network

Dr. Bryce Taylor – Surgeon-in-Chief

The University Health Network continues in its massive building project which will help revolutionize operations in the Department of Surgery, especially at the Toronto General and Toronto Western sites. The next step of the strategic planning process for the corporation, was the clinical volume target-setting process which resulted in most surgical programs growing to some extent. In particular, such surgical activities involving transplantation, surgical oncology, and neurosciences are slated to grow in the next five to 10 years. During the academic year, surgical services were compromised significantly by personnel problems at all sites, including insufficient nursing care and anaesthetic service. In the latter half of the academic year, operating time was reduced approximately 20% across University Health Network. At the end of the academic year, the Department of Surgery, and other surgical departments were looking forward to negotiating an alternate funding plan.

Cardiac Surgery

Cardiac volumes declined this year, but the standard of excellence as measured by clinical outcomes and complications was maintained. Dr. Chris Feindel, in addition to taking over the position of Medical Director at the Cardiac Surgery Business Unit, won the Ross Fleming Teaching Award. Dr. Charles Peniston won the first University of Toronto Cardiac Teaching Award, and Dr. Richard Weisel was given the Tator Supervisor Award. Dr. Ren-Ke Li won the Clemson Award for Applied Research. An important development was the initiation of the Ventricular Assist Device Program under the leadership of Dr. Viv Rao; by the end of June, the team had implanted six devices with promising early results. Dr. Carin Wittnich was promoted to Full Professor.

General Surgery

The strength of the General Surgery Division once again was diversity, as its members offered expertise in a variety of interest areas, including surgical oncology, the Head and Neck and Hepatobiliary Oncology Programs, advanced medicine and surgery, community and population health in the MIS Program, and transplantation, with critical contributions to the liver, pancreas, kidney and bowel programs. The Living Related Liver Transplant Program was very active with excellent results. Dr. Bernie Langer became an honorary Fellow of the Royal Australasian College, Dr. Lorne Rotstein won the Educator Award in the Skills Centre, and Dr. Richard Reznick was the James IV Travelling Fellow in the summer of 2001.

Neurosurgery

The Neurosurgery Division once again had outstanding grant capture and publication record this year. Mark Bernstein finished his 10-year term as Division Head, and a new Division Head will be appointed in the coming months. Dr. Ab Guha was promoted to Full Professor and Dr. Karen Davis was promoted to Associate Professor. Dr. Michael Fehlings won the Award for Clinical Research given by the Cervical Spine Research Society, and his residents won a number of prizes. Dr. Michael Fehlings was also officially installed in the Krembil Chair in Neural Regeneration and Repair, and Dr. Charles Tator was honoured as the first occupant of the Robert Campeau Family Foundation Chair in Brain and Spinal Cord Research (this will have the name Tator-Campeau Chair in future). Dr. Ab Guha was awarded the Alan and Susan Hudson Chair in Neuro-Oncology. Dr. Andres Lozano was made an honorary member of the Neurosurgical Society of Para, Brazil, and Dr. Mark Bernstein won the 2001 Bruce Tovee Postgraduate Award. Dr. Charles Tator won the Jonas Salk Lecture Award, and Dr. Michael Tymianski was given the George Armstrong Peters Prize for 2002. Finally, Dr. Fred Gentili was the deserved winner of a 2002 Wightman-Berris Academy Teaching Excellence Award.
Orthopaedic Surgery
Orthopaedic Surgery continued under the leadership of Division Head, Dr. Rod Davey and newly-appointed Director of the MHA Program, Dr. Nizar Mahomed. Dr. Mahomed won the Sanofi-Synthelabo Award, and Dr. Davey was recognized as the R.B. Salter Teacher of the Year. The Volker-Sontag Research Award was given to Dr. Raj Rampersaud, and the R.B. Salter Award of the Canadian Orthopaedic Foundation went to Dr. Herb von Schroeder. On his retirement, Dr. John Graham was applauded for his longstanding contributions to clinical surgery and education at University Health Network.

Plastic Surgery
The Division of Plastic Surgery welcomed Dr. Joan Lipa whose expertise lies in the area of Microvascular Surgery, and Dr. Peter Bray who will replace Arnie Freiberg as an excellent general plastic surgeon and teacher, at the Toronto Western site. Dr. Freiberg was lauded for his long-standing contributions to the Toronto Western Hospital. The Plastic Surgery Division continued to contribute in major ways to the Head and Neck Program and to the Hand Program which was reviewed this year and characterized as “a nationally and internationally recognized centre of excellence in the treatment of hand conditions” by the reviewers, Drs. Jim Roth & Jamie Bain.

Dr. Dimitri Anastakis won a number of prizes this year, including the best clinical paper at the Canadian Society for Plastic Surgery, the best paper at the recent ASE meeting, the W.K. Lindsey Research Supervisor Award, and the Ross Fleming and Arnie Freiberg Teaching Awards at University Health Network. He is also leading the patient education initiative at University Health Network.

Thoracic Surgery
Bob Ginsberg continues to offer strong leadership in the division. Dr. Gail Darling was promoted to Associate Professor, and won a Wightman-Berris Academy Teaching Prize. Dr. Shaf Keshavjee won a top 50 under 40 Award, and Dr. Tom Waddell won the Elsie Winnifred Chan Memorial Trust Award, as well as a Wightman-Berris Teaching Award. Division members maintained their strong research profile with involvement in many international clinical trials.

Urology
Dr. Michael Jewett finished his ten-year term as Chair of the University Division of Urology, and a further year as the University Health Network Head of Urology. Dr. Neil Fleshner assumed that position as of July 1st, 2002. The division continued its significant contributions in the area of Surgical Oncology, and anticipates that this will progress further with the appointment of Dr. Fleshner. Dr. Sid Radomski won first prize in the northeast section of the American Urology Association essay contest, and shared the Wyeth-Ayerst Canada Award in Medical Education and Clinical Epidemiology.

Vascular Surgery
The Vascular Surgery Division and Wayne Johnston’s leadership were reviewed this year, and was characterized by the reviewer, Dr. Ken Harris, as “one of the top academic programs in North America”. Dr. Johnston was recognized as having an extremely prominent international profile, and was reappointed as the R. Fraser Elliott Chair in Vascular Surgery. Dr. Yaron Sternbach was recruited as a Clinical Surgeon and Endovascular specialist. Dr. Wayne Johnston was made an honorary member of the Southern Association of Vascular Surgery, and was awarded the 2002 Tovee Postgraduate Prize. He was also the first Kempczinski lecturer in 2002. Dr. Tom Lindsay won a Wightman-Berris Academy Individual Teaching Prize, and Dr. Johnston continued as the Editor-in-Chief of the Journal of Vascular Surgery. Dr. Barry Rubin was promoted to Associate Professor.
DIVISION OF CARDIAC SURGERY
Dr. S.J. Brister - Associate Professor
Dr. R.J. Cusimano - Assistant Professor
Dr. T.E. David - Professor (Division Head)
Dr. C.M. Feindel - Associate Professor
Dr. R-K. Li - Associate Professor
Dr. L.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 - Assistant Professor

PUBLICATIONS


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


David TE: Cardiac Surgery Residents’ Program, Sponsored by Medtronic, Minneapolis, Minnesota, May 2002. (1) Functional anatomy of the aortic valve; (2) Functional anatomy of the mitral valve.

David TE: 31st Annual Meeting of the German Society of Thoracic and Cardiovascular Surgery, Leipzig, Germany, February 2002. (1) Infarct VSD: indications and surgical strategies; (2) Late results of aortic valve replacement with Toronto SPV.


David TE: Aortic Symposium VIII. Sponsored by Mount Sinai School of Medicine, New York, New York, May 2002. Aortic valve sparing operations.


David TE: Herz-Und Gefass-Klinik, Bad Neustadt, Germany, October 2001. Surgery of the aortic valve and thoracic aorta. Live teleconference: (1) Aortic valve sparing operation; (2) Transverse arch replacement; (3) Aortic valve repair.


David TE: Deutsches Herzzentrum, Professor Rudiger Lange, University of Munich, Munich, Germany, June 2002. Visiting Professor.

David TE: University of Manz, Germany, Manz, Germany, October 2001. Visiting Professor. Aortic valve sparing operations.

David TE: InterAmerican Society of Cardiology, Panama, Panama, August 2001. What’s new in heart valve surgery.


Feindel CM: McGill University - Medical Seminar, Montreal, Quebec, October 2001. Back to school again - Can you do it? Should you do it?


Feindel CM: Tongariro Cardiac Surgery Meeting 2002, Taupo, New Zealand, March 2002. Returning to school, can you do it? Should you do it?


Li R-K: 13th World Congress of the International Society for Artificial Organs, Osaka, Japan, November 2001. Creation of a viable graft material through cell engineering for congenital heart surgery.

Li R-K: 13th World Congress of the International Society for Artificial Organs, Osaka, Japan, November 2001. Optimal conditions to create cardiac defect.


Peniston CM: Yonsei University, Severance Hospital, Seoul, Korea, August 2001. The Toronto Stentless Valve Experience-St. Jude, Lecture and Wet Lab.

Peniston CM: Catholic University Hospital, Daegu, Korea, August 2001. Toronto, Ontario, Stentless Valve - OR - 2 cases.

Peniston CM: Dong-A University Hospital, Busan, Korea, August 2001. Toronto, Ontario, Stentless Valve - OR - 2 cases.


Scully HE: Canadian Medical Association, Quebec City, Quebec, August 2001. 134th Annual General Meeting.

Scully HE: Canadian Medical Association, Annual General Meeting - Committee of Affiliates, Quebec City, Quebec, August 2001. A human resource strategy for physicians.


Scully HE: Canadian Surgery Forum, Quebec City, Quebec, September 2001. The Numbers Game.

Scully HE: International Society for Heart Research, Symposia Chair, Winnipeg, Manitoba, July 2001. XV11 World Congress.


**Weisel RD:** American College of Cardiology Heart Failure Summit, Toronto, Ontario, June 2002. Cell transplantation to prevent heart failure.

**Weisel RD:** Asian Society for Cardiovascular Surgery, Cheju Island, Korea, April 2002. Cell transplantation: remaking the heart.


**Weisel RD:** Maine Medical Center, Portland, Maine, May 2002. Intraoperative myocardial protection.

**Weisel RD:** Update on Cardiopulmonary Bypass Conference, Snowmass, Colorado, March 2002. Moderator - Cardiac assist devices: OR and ICU management.


**Weisel RD:** Asian Society for Cardiovascular Surgery, Cheju Island, Korea, April 2002. Myocardial protection.

**Weisel RD:** Update on Cardiopulmonary Bypass Conference, Snowmass, Colorado, March 2002. Myocardial protection on and off the pump.

**Weisel RD:** Edwards Lifesciences 2001 Cardiac Residents Course, Costa Mesa, California, October 2001. Myocardial restoration, stem cells and angiogenesis.

**Weisel RD:** Asheville Cardiac Surgery Symposium, Asheville, North Carolina, June 2002. The future of myocardial protection.


**RESEARCH AND INVESTIGATIONS**

*Senior Investigator’s Name Appears in Italics*


Effect of vacuum assist on cerebral microemboli during CPB. **Feindel CM, Borger M: The Physicians’ Services Incorporated Foundation** ($20,000 2000 - 2001).

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


EXPEDI TION 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 1999 - 2001).


HONOURS RECEIVED


Peniston CM: 1st Annual University of Toronto Cardiac Surgery Teaching Award, December 2001.


Weisel RD: Charles Tator Surgeon-Scientist Mentoring Award, May 2002.
DIVISION OF GENERAL SURGERY
Dr. M.S. Cattral - Associate Professor
Dr. A.P.B. Dackiw - Assistant Professor
Dr. R.M. Gorczynski - Professor
Dr. D. Grant - Professor
Dr. P.D. Greig - Professor
Dr. P.I. Haigh - Assistant Professor
Dr. H.S. Himal - Associate Professor
Dr. A. Kapus - Assistant Professor
Dr. B. Langer - Professor
Dr. J.C. Marshall - Professor
Dr. R.E. Mathews - Assistant Professor
Dr. D.R. McCready - Associate Professor
Dr. R.K. Reznick - Professor
Dr. L.E. Rotstein - Associate Professor
Dr. O.D. Rotstein - Professor (Division Head)
Dr. B.R. Taylor - Professor
Dr. D.R. Urbach - Assistant Professor
Dr. H.A.E. Weizel - Associate Professor

PUBLICATIONS

Alan PB Dackiw and Orlo H Clark: Bilateral Thyroidectomy: Indications and Technique. In: Surgery of the Thyroid and Parathyroid Glands (Gregory I Randolph, ed). Harcourt Health Sciences,: 2002:


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


Dackiw APB: Royal College of Physicians and Surgeons of Canada, Quebec City, Quebec, September 2001. Panelist, Surgery Session.


Langer B: Canadian Association of General Surgeons, Quebec City, Quebec, September 2001. Symposium on Maintenance of Certification - Moderator and speaker.


Marshall JC: 8th World Congress of Intensive and Critical Care Medicine, Sydney, Australia, October 2001. 1. Finding and controlling the source of sepsis. 2. Overview of inflammatory mechanisms in sepsis.


Marshall JC: Visiting Professor, St. Louis University School of Medicine, St. Louis, Missouri, May 2002. 1. Sepsis: Evolving terminology, evolving concepts. 2. Principles of source control in the management of surgical infection.


McCready DR: Canadian Society of Surgical Oncology/Canadian Association of General Surgeons, Montreal, Quebec, September 2001. Metastatic adenocarcinoma to the axilla in a 53 year old female.

McCready DR: 2nd World Congress Wold Federation of Surgical Oncology Societies - WFSOS, Napoli, Italy, September 2001. Sentinel lymph node biopsies (SLNB) can be accurately performed after wide local excision (WLE) of cutaneous melanoma.

McCready DR: The 26th Annual Meeting of The American Society of Breast Disease, San Francisco, California, April 2002. Some patients can be spared radiation after lumpectomy.


Rotstein LE: Canadian Association of General Surgeons, Quebec City, Quebec, September 2001. Management of the unknown primary.


Urbach DR: Surgical Biology Club, Quebec, Quebec, September 2001. Laparoscopic surgery and cancer survival.


RESEARCH AND INVESTIGATIONS

Senior Investigator’s Name Appears in Italics


HONOURS RECEIVED


Langer B: Honorary Fellowship, American College of Physicians, April 2002.


Reznick RK: Association for Surgical Education Annual Meeting, Haemonetics Corporation Outstanding Paper Award, April 2002.

Urbach DR: University of Toronto Faculty of Medicine Dean’s Fund Award, December 2001.
DIVISION OF NEUROSURGERY
Dr. M. Bernstein - Professor (Division Head)
Dr. K.D. Davis - Associate Professor
Dr. J.H. Eubanks - Assistant Professor
Dr. M.G. Fehlings - Professor
Dr. F. Gentili - Associate Professor
Dr. A. Guha - Professor
Dr. W.D. Hutchison - Assistant Professor
Dr. Krassioukov - Assistant Professor
Dr. A.M. Lozano - Professor
Dr. P.J. Porter - Assistant Professor
Dr. J.A. Saint-Cyr – Associate Professor
Dr. C.H. Tator - Professor
Dr. K. Thapar - Assistant Professor
Dr. M. Tymianski - Assistant Professor
Dr. M.C. Wallace - Professor

PUBLICATIONS


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES

Davis KD: National Institute of Neurological Disorders and Stroke (NINDS) and the NIH Office on Rare Diseases, Baltimore, Maryland, March 2002. Symposium: The Neurobiology of Craniofacial/Deep Tissue Persistent Pain, fMRI of Pains Arising From Superficial, Deep and Visceral Sites.


Fehlings MG: Congress of Neurological Surgeons, San Diego, California, October 2001. Occipitocervical reconstruction with the OMI Loop: Results of a multicenter trial in 50 cases with independent review.


Fehlings MG: AO ASIF, Coronado, California, April 2002. Practical Course III: Case presentation: Multilevel Disc Disease.

Fehlings MG: AO ASIF, Coronado, California, April 2002. Practical Course III: Cervical Spine Trauma: Decompression - techniques, timing and location.


Fehlings MG: Henry Ford Health System, Henry Ford Hospital, Detroit, Michigan, March 2002. Visiting Professor: Grand Rounds Lecture: Rheumatoid arthritis of the cervical spine: evolving concepts in pathophysiology and surgical management, 2) Visiting Professor: Review and discussion on unique cases presented by community neurosurgeons.

Fehlings MG: Oregon Health Sciences University, Portland, Oregon, May 2002. Visiting Professor: Case presentations and reviews with resident staff.


Lozano AM: 51st Congress of Neurological Surgeons, San Diego, California, September 2001. (1) Course Director, Movement Disorders: Pathophysiology, diagnosis, treatment. (2) Faculty, Surgical management of tremor: Role of thalamotomy, chronic thalamic stimulation and stereotactic radiosurgical thalamotomy (3) Moderator, Section on stereotactic and functional surgery 1: Reinventing stereotactic surgery (4) Moderator/Lecturer, Section on Stereotactic and Functional Surgery II: Management of the “other” movement disorders: Dystonia, chorea, and rubral tremor.


Lozano AM: The Cleveland Clinic Foundation, San Juan, Puerto Rico, February 2002. 1) DBS mechanisms: The debate 2) Why do some patients lose the benefits of DBS while others ho longer require stimulation? 3) Anterior thalamus for epilepsy.


Lozano AM: VII Neurosurgery Congress of the Spanish Society, Santiago de Compostela, Spain, May 2002. 1) Moderator: Estimulacion cerebral profunda en la enfermedad de Parkinson. Estudio doble ciego a largo plaz. 2) Chair Satellite Congress: Surgery of Parkinson’s and Abnormal Movement. 3) Speaker, Tratamiento de las distonias con estimulacion cerebral profunda 4) Speaker: Functional Neurosurgery: The future is not what it used to be.


Lozano AM: Brazilian Academy of Neurosurgery, Belem, Brazil, October 2001. Invited International Speaker (1) Keynote address: Future directions in functional neurosurgery. Plenary lectures (1) Surgery for Parkinson’s disease; (2) Surgery for dystonia; (3) Basal ganglia anatomy and physiology.


Lozano AM: International Workshop on Parkinson’s Disease & Movement Disorders, Chennai, India, February 2002. Recent advances in the surgical management of Parkinson’s disease.

Lozano AM: Deep Brain Stimulation Consortium Meeting, Rockville, Maryland, June 2002. Speaker “What are the motor and non-motor effects of DBS?”.


Wallace MC: 2nd International Mt. Bandai Symposium for Neuroscience, Koriyama, Japan, October 2001. Have randomized trials had an impact on neurosurgical treatment of carotid stenosis?

Wallace MC: Division of Neurosurgery, Universite Laval, Quebec City, Quebec, May 2002. Intracranial aneurysms: Treatment strategies.


Wallace MC: Division of Neurosurgery, University of British Columbia, Vancouver, British Columbia, May 2002. Natural history of vascular malformations: When is treatment indicated?


RESEARCH AND INVESTIGATIONS
Senior Investigator's Name Appears in Italics


Deep brain stimulation effects on task-driven fMRI. Saint-Cyr JA, McAndrews M-P, Mikulis DJ: Natural Sciences and Engineering Research Council ($64,000 2000 - 2004).


Enhancing axonal regeneration following spinal cord injury by in situ delivery of neurogenerative factors. Shoichet M, Tator CH: Canadian Institute of Health Research ($86,000 2002 - 2003).

Equipment Grant for “Fluorescence and infrared imaging system for neurotrauma patch clamping”. Fehlings, MG, Carlen, PL: Canadian Institutes of Health Research ($69,757 2001 - 2002).


Finding cures for glioblastomas: Characterization of a mouse transgenic astrocytoma model as a therapeutic testing platform. Guha A: Cleveland Clinic Foundation ($150,000 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 and temperature sensation. Davis KD: Medical Research Council of Canada ($251,314 1998 - 2001).
Human studies of pain perception. *Davis KD, Diamant NE: Canadian Institutes of Health Research* ($539,925 2002 - 2007).


Neuroprotection of the injured spinal cord: role of the mGluR1 receptor.  *Fehlings MG: Physicians Services Incorporated Foundation* ($140,000 2000 - 2002).


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* ($225,000 2001 - 2006).


Role of glial AMPA/Kainate receptors in neurotrauma.  *Fehlings MG, Zhang L; Eubanks J; Gurd J; Carlen P; Baker A: Medical Research Council of Canada/Canadian Neurotrauma Research Program (MRC/CNRP 1999-01)* ($279,000 1999 - 2002).

Role of the mGluR1 metabotropic glutamate receptor in the pathophysiology of central nervous system trauma.  *Fehlings MG, Baker A: Ontario Neurotrauma Foundation/Rick Hansen Institute* ($163,300 2000 - 2003).

Role of the mGluR1 receptor in diffuse axonal injury after brain and spinal cord trauma; potential for a novel, clinically relevant neuroprotective strategy.  *Phan, N, Fehlings, MG: American Association of Neurological Surgeons and Synthes* ($1,600 2001 - 2002).


Start-up funds.  *Krassioukov AV: University of Toronto, Department of Surgery* ($80,000 2000 - 2002).


Studentship Award to A. Ackery: Use of sodium channel blockers to protect the injured spinal cord.  *Alun Ackery, 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).

Summer Scholarship Award to Mital Joshi. Joshi, Mital, Fehlings, MG: University of Toronto Faculty of Medicine ($4,000 2001).


Tasker Chair in Functional Neurosurgery. Lozano AM: University Health Network, University of Toronto ($2,000,000 2000 - 2004).


The fate of human sympathetic preganglionic neurons after spinal cord injury. Krassioukov, Andrei, Fehlings MG, (UHN) and Shannon P (University of Miami, School of Medicine, Miami, Florida.): Cervical Spine Research Society ($27,713 2000 - 2002).


HONOURS RECEIVED
Fehlings MG: Krembil Chair in Neural Repair and Regeneration, July 2001.

Krassioukov: Larson Award, American Association of Neurological Surgeons/CNS, USA, March 2002.

Lozano AM: Elected Honarary Member, Neurosurgical Society of Para, Brazil, July 2001.


Tator CH: Appointment to the Robert Campeau Family Foundation Chair in Brain and Spinal Cord Research, November 2001.

Guha A: Appointment to the Alan and Susan Hudson Chair in Neurooncology.
DIVISION OF ORTHOPAEDIC SURGERY
Dr. J.R. Davey - Assistant Professor (Division Head)
Dr. B.A. Graham - Assistant Professor
Dr. J.D. Graham - Assistant Professor
Dr. S.J. Lewis - Assistant Professor
Dr. G. L. Lloyd – Associate Professor
Dr. N. Mahomed - Assistant Professor
Dr. K.W. Marshall - Assistant Professor
Dr. A. Miniaci - Associate Professor
Dr. D.J. Ogilvie-Harris - Associate Professor
Dr. Y. R. Rampersaud - Lecturer
Dr. H.P. von Schroeder - Assistant Professor

PUBLICATIONS


Choi Ogilvie-Harris: Multidirectional instability of the shoulder in contact sports. BR.Journ.Sports Medicine: February 2002:


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


Davey JR: Kelowna Orthopaedic Association, Kelowna, British Columbia, February 2002. Cementless total hip arthroplasty; cemented total hip arthroplasty; cementless acetabular design; revision total hip arthroplasty; femoral offset; primary total knee.


Davey JR: Rouge Valley Health Authority Group, Toronto, Ontario, November 2001. Femoral offset; cementless stems; cemented total hip replacement; revision total hip replacement and cementless acetabular cups.

Davey JR: Total Hip Meeting, Kohler, Wisconsin, October 2001. Femoral offset; cementless stems; cemented total hip replacement; revision total hip replacement and cementless acetabular cups.


RESEARCH AND INVESTIGATIONS
Senior Investigator’s Name Appears in Italics
Biofilm formation in orthopaedic implants. von Schroeder HP: Zimmer of Canada ($10,000 2002).


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).


Pilot study for a randomized controlled trial of standardised arthroscopic debridement protocol (SADP) versus total knee arthroplasty (TKA) for advanced knee osteoarthritis. *NN Mahomed, JR Davey S Carette JP Waddell E Schemitsch: University of Toronto, Division of Orthopaedic Surgery Research Committee* ($10,000 2001 - 2002).


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).


DIVISION OF PLASTIC SURGERY
Dr. D.J. Anastakis - Assistant Professor
Dr. T.A.B. Bell - Lecturer
Dr. P. Bray - Assistant Professor
Dr. A. Freiberg – Professor
Dr. B. Graham – Assistant Professor
Dr. J.E. Lipa - Assistant Professor
Dr. R.T. Manktelow - Professor
Dr. P.C. Neligan - Associate Professor (Division Head)
Dr. H.P. von Schroeder - Assistant Professor

PUBLICATIONS


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


Anastakis DJ: University of Vienna, Department of Plastic and Reconstructive Surgery, Vienna, Austria, March 2002. Cortical plasticity following upper extremity trauma and reconstruction.


Neligan PC: Canadian Society of Plastic Surgeons, Saint John, New Brunswick, June 2002. 1. Preconditioning of the porcine latissimus dorsi muscle flap against ischemic necrosis can be achieved by brief, remote, hind limb ischemia 2. Use of albumen in reconstructive surgery is safe.


Neligan PC: Graduate School of Medical Studies, National University of Singapore, Singapore, Malaysia August 2001. External Assessor: Exit certification in plastic surgery.


Neligan PC: The Isreali Society of Plastic & Aesthetic Surgery, Tel Aviv, Israel, November 2001. The free vascularized flap and the flap-plate options: Comparative results of lateral mandibular defect reconstruction.


Neligan PC: Tsu-Chi Hospital, Hualien, People’s Republic of China, October 2001. Visiting Professor.


RESEARCH AND INVESTIGATIONS
Senior Investigator’s Name Appears in Italics
Biofilm formation in orthopaedic implants. von Schroeder HP: Zimmer of Canada ($10,000 2002).

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).


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).


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: DeToro Award for Best Research Paper, Tau Omicron Visiting Professor. “Visual-spatial ability can predict hand motion and performance on a surgical procedure”. Award received by Graduate Student, Dr. Kyle Wanzel, April 2002.


PUBLICATIONS


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


Ginsberg RJ: Joint Meeting of Royal College of Surgeons of Thailand and Royal College of Surgeons of Edinburgh, Pattaya, Chonburi, Thailand, July 2001. Management of Ca Lung; Surgical Management of Metastatic Pulmonary Nodule; Surgery for Advanced Stage Ca Lung; Management of Malignant Mediastinal Tumor.


Keshavjee S: Canadian Association for Transplantation, Mt. Tremblant, Quebec, March 2002. Assessment of the lung donor.


RESEARCH AND INVESTIGATIONS
Senior Investigator’s Name Appears in Italics


Phase III chemoprevention trial of selenium supplementation in persons with resected stage I non-small cell lung cancer. *Johnston MR*, University of Toronto Group: *Eastern Cooperative Oncology Group* ($64,000 2001 - 2002).


**HONOURS RECEIVED**


**Darling GE**: Wightman Berris Academy Teaching Award, June 2002.

**Ginsberg RJ**: Robert J. Ginsberg Award for Excellence in Postgraduate Teaching, June 2002.

**Waddell TK**: Roscoe Reid Graham Scholarship, July 2001.

**Waddell TK**: Wight-Berris Individual Teaching Award, June 2002.
DIVISION OF UROLOGY
Dr. M.M. Hassouna - Associate Professor
Dr. M.A.S. Jewett - Professor (Division Head)
Dr. S.B. Radomski - Associate Professor
Dr. M. Robinette - Associate Professor
Dr. J. Trachtenberg - Professor
Dr. J. Tsihlias - Assistant Professor

PUBLICATIONS


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES

Hassouna MM: University of Montreal, Montreal, Quebec, November 2001. Visiting Professor at Division of Urology.


Jewett MAS: Canadian Urological Association Annual Meeting, St.John’s, Newfoundland, June 2002. Educational Forum: Bladder Cancer; Debate- In the last decade research has lead us into better systems for diagnosis of bladder cancer.


**Jewett MAS:** Canadian Cancer Society, Toronto, Ontario, September 2001. Prostate cancer can be fatal: Can we reduce the risk?

**Jewett MAS:** Canadian Cancer Society Scarborough Unit Breakfast, Scarborough, Ontario, September 2001. Prostate Cancer Update.

**Jewett MAS:** Man to Man Prostate Support Group, Toronto, Ontario, January 2002. So I’ve got prostate cancer....what should I know?


**Jewett MAS:** Quebec Urological Association, Montreal, Quebec, November 2001. Where are we now with laparoscopic prostatectomy; one surgeon’s perspective.


**Radomski SB:** Canadian Academy of Urological Surgeons, St. John’s, Newfoundland, June 2002. University of Toronto Surgical Skills Laboratory: Our Experience in Urology.

**Trachtenberg J:** Washington University, St. Louis, Missouri, April 2002. Advances in the management of Hormone-Refractory Prostate Cancer.

**RESEARCH AND INVESTIGATIONS**

*Senior Investigator’s Name Appears in Italics*


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 - Lecturer

PUBLICATIONS


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


**Johnston KW:** Atlantic Vascular Society, Baddeck, Nove Scotia, August 2001. Application of the results of the UK aneurysm trial to individual practice.

**Johnston KW:** Albert Einstein College of Medicine, New York, New York, November 2001. Conflict of interest. Do vascular surgeons have it.


**Johnston KW:** 20th World Congress of the International Union of Angiology, New York, New York, April 2002. CPD and competition of interests.


**Johnston KW:** 20th World Congress of the International Union of Angiology, New York, New York, April 2002. Why do surgeons operate on AAAs less than 5.5 cm in diameter?


**Rubin BB:** University of St. Louis, St. Louis, Minnesota, April 2002. Molecular regulation of prostaglandin biosynthesis in cardiac myocytes: role of MAP kinase signaling cascades.


**Sternbach Y:** Surgical Grand Rounds, University of Rochester, Strong Memorial Hospital, Rochester, New York, January 2002. Endovascular therapy; where are we and where are we going?

**RESEARCH AND INVESTIGATIONS**

*Senior Investigator’s Name Appears in Italics*


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


**HONOURS RECEIVED**

*Johnston KW*: Royal College Lecturer, August 2001.

*Johnston KW*: Tovee Award for Postgraduate Teaching, May 2002.

RESEARCH IN EDUCATION
Dr. C. E. Bayliss - Professor
Dr. S.J. Hamstra - Assistant Professor
Dr. G. Rehehr - Assistant Professor

PUBLICATIONS


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


Regehr G: University of Michigan School of Medicine, Medical Education Grand Rounds., Ann Arbor, Michigan, October 2001. (1)Kids these days: Promoting and exploiting adult learning in medical students (2) Models of judgement and problem solving in the health professions.


Regehr G: University of South Carolina School of Medicine, Grand Rounds, Columbia, South Carolina, January 2002. Kids these days: Promoting and exploiting adult learning in medical students.


RESEARCH AND INVESTIGATIONS

Senior Investigator's Name Appears in Italics


Is it feasible and valid to use standardized patients instead of real patients in the royal college clinical examinations in psychiatry? Abbey S., Hodges B, McNaughton N, Hanson M, Regehr G: Royal College of Physicians and Surgeons of Canada ($25,000 2001 - 2002).


PUBLICATIONS


VISITS TO OTHER HOSPITALS/UNIVERSITIES

Morshead C: Department of Cellular and Molecular Biology, Ottawa Hospital Research Institute, Ottawa, Ontario, Canada, April 2002. Neural stem cells in the adult brain: Solving the identity crisis.

Morshead C: Canadian Stroke Network, Calgary, Alberta, Canada, June 2002. The role of stem cells in stroke recovery.


RESEARCH AND INVESTIGATIONS
Senior Investigator’s name appears in italics


Deep brain stimulation effects on task-driven fMRI. Saint-Cyr J, McAndrews M, Mikulis D: Natural Sciences and Engineering Research Council ($64,000 2000 - 2004).


The in-vivo utilization of cell survival factors to investigate the regenerative potential of the adult mammalian brain. Morshead C: Dean’s Research Funds. ($10,000 2001-2006).


Division of Biomedical Communications

Dr. L. Wilson-Pauwels – Division Head
Dr. D. Aldrich – Assistant Professor
Dr. K. Brine – Assistant Professor
Dr. K. Chorney – Lecturer
Dr. S. Gilbert – Professor Emeritus
Dr. C. Godkin – Associate Professor
Dr. J. Jenkinson – Assistant Professor
Dr. N. Joy – Professor Emeritus
Dr. L. Lax – Assistant Professor
Dr. M. Mackay – Professor
Dr. D. Mazierski – Associate Professor
Dr. S. Nancekivell – Assistant Professor
Dr. P. Reid – Lecturer
Dr. J. Semple – Associate Professor
Dr. S. Tulk – Assistant Professor
Dr. T. Watkinson – Assistant Professor
Dr. N. Woolridge – Associate Professor

PUBLICATIONS


Nancekivell S: Frequent sternutation may produce an epistaxic episode. It’s all Greek to them but it shouldn’t be. The News of Course, January 2002: 53: pp14.


AUTHORSHIP (Authorship and Illustration)


ILLUSTRATIONS (Textbooks, Journals)


**Woolridge N, Friesen L:** Cover illustration of marijuana use and IQ. Canadian Medical Association Journal. 2002: 166(7).

**Woolridge N, Friesen L:** Illustration of the triple paradox. In Food Intake: How much should Canadians eat? Birmingham CL, Jones P. Canadian Medical Association Journal. 2002; 155(6); pp 767-70.


**Woolridge N, Friesen L:** Sinus anatomy; poster advertisement for Rynatan. Wallace Pharmaceuticals/Anatstat/Headcan, Toronto, Ontario. 2001.

**Woolridge N, Friesen L:** Drug effects; poster advertisement of Rynatan. Wallace Pharmaceuticals/Anatstat/Headcan, Toronto, Ontario. 2001.


**Woolridge N, Friesen L:** Illustration of the clinical features of protein energy malnutrition. In Protein energy malnutrition. Hoffer JL. Canadian Medical Association Journal. 2001; 165(10; pp 1345-9

**Woolridge N, Friesen L:** Illustration of the pathophysiology of protein energy malnutrition. Canadian Medical Association Journal. 2001; 165(10); pp 1345-9.


ANIMATION


Feature Films / Storyboards
Dutton C (Jack Green), Brine K: Against the ropes. Paramount, 2002.
Lindo E, Brine K: Touching wild horses. Dufferin Gate. 2001

Television Movies / Storyboards
Surjik S, Brine L: Miss Miami. NBC. 2002.

Television Series / Storyboards

Patient Education

Dermatomes (Male) and Dermatomes (Female). Patient education posters (2). Headcan. 2002. (4 illustrations by Chorney K).

INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


**Kreindler D, Lumsden CJ, Woolridge N, Levitt A:** Handheld Computers in Medicine Symposium (sponsored by the Technology Application Unit of Mt. Sinai Hospital), Toronto, Ontario, November 2001. Subject retention and drop out rate in a palm Os-based wireless telemetric study of mood dynamics.

**Kreindler D, Lumsden CJ, Woolridge N, Levitt A:** Grand Rounds Presentation to the Department of Psychiatry, Sunnybrook & Women’s College Health Sciences Centre, July 2001. Validation of a wireless telemetry protocol for a bi-daily mood evaluation.


**Mackay MB:** AEIMS, Association of European Medical and Scientific Illustrators, Paris, France, October 2001. The animation factor: a sequential illustrator’s viewpoint.

**Woolridge N, Jenkinson J, Wilson-Pauwels L:** Association of Medical Illustrator’s Annual Meeting, Asilomar, California, August 2001. Media-based health communications: Exploring the power of visual medial to promote understanding.


ABSTRACTS, POSTERS, AND/OR PAPERS READ


RESEARCH AND INVESTIGATIONS

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


Project to examine the cost/effectiveness of E-learning for interfaculty health sciences education. **Lax L, Watt-Watson J, Pennefather P:** University of Toronto Centre for the Study of Pain. ($5,000 2001-2002).
Neurons – Animated cellular and molecular concepts. Wilson-Pauwels L, Stewart P: Dean’s Excellence Fund/Information Technology Courseware Development Fund, University of Toronto. ($30,000 2002).

Wilson-Pauwels L: Bell University Laboratories at the University of Toronto Equipment Grant. ($141,177 2002).


HONOURS RECEIVED

Jenkinson J: Certificate of Appreciation for Excellence in Teaching. Division of Biomedical Communications, Department of Surgery, Faculty of Medicine, University of Toronto, June 2002.

Mackay M: Certificate of Appreciation for Excellence in Teaching. Years I & II Students, Division of Biomedical Communications, Department of Surgery, Faculty of Medicine, University of Toronto, June 2002.
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 (Department of Obstetrics and Gynaecology)
Dr. F. DiCosmo - Associate Professor (Botany)
Dr. R.J. Eby - Lecturer (Medicine)
Dr. V.L. Fornasier - Associate Professor (Laboratory and Pathobiology)
Dr. 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. 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 - Professor (Medicine)
Dr. M. Ojha - Assistant Professor (Rehabilitation Sciences)
Dr. K.P.H. Pritzker - Professor (Laboratory Medicine and Pathobiology)
Dr. P. Ritvo - Assistant Professor (Public Health Sciences)
Dr. A. Romaschin - Associate Professor (Laboratory Medicine and Pathobiology)
Dr. A. Slutsky - Professor (Medicine)
Dr. B. Steinhart - Instructor (Medicine)
Dr. D.E. Stewart - Professor (Psychiatry)
Dr. K.G. terBrugge - Professor (Medical Imaging)
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)


Zysman M, Bapat B: Molecular diagnostics of hereditary non-polyposis colorectal cancer. In: Tumor markers - Physiology, Pathobiology, Technology and Clinical Applications: 2002:


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


Daar A: World Health Organization, Havana, Cuba, March 2002. Avoiding the genomics divide through a specifically designed program of research, capacity building and policy interventions.


Davis AM: Twin Cities Grand Rounds and University of Minnesota Department of Orthopaedics Arthroplasty., St. Paul, Minneapolis, January 2002. Arthroplasty Visiting Professor: (1) Putting outcome measures into clinical practice, (2) Patient-based outcome measures: What have we learned? How do we move forward?


Gullane PJ: North American Skull Base Society, San Diego, California, February 2002. (1) New approaches to esthetic reconstruction of the lateral skull base, (2) Soft tissue reconstruction of the skull base - Does it make sense?


Gullane PJ: IV Congress of Chile/Argentinian Head and Neck Society, Santiago, Chile, August 2001. Panelist: (1) Complex head and neck reconstruction, (2) Laryngotracheal reconstruction.


Gullane PJ: Head and Neck Surgery Symposium, Indian Wells, California, March 2002. Visiting Professor: (1) Management of advanced disease of the head and neck, (2) reconstruction of the oral cavity, (3) Panel discussion of audience cases.


Pritzker KPH: Department of Bioimmunology, Anderson Hospital, Houston, Texas, January 2002. Visiting Professor.

Pritzker KPH: Department of Pathology, Berne, Switzerland, November 2001. Visiting Professor.

Pritzker KPH: First McCraig International Symposium on Joint Injury and Repair, University of Calgary, Department of Orthopaedic Surgery, Calgary, Alberta, March 2002. Visiting Professor.

Pritzker KPH: TNO, Prevention and Health Gabius Laboratory, Leiden, Netherlands, November 2001. Visiting Professor.

Pritzker KPH: World Association of Pathology and Laboratory Medicine, Cologne, Germany, November 2001. Visiting Professor.


Slutsky AS: 8th World Congress of Intensive & Critical Care Medicine, Sydney, Australia, October 2001. (1) Mechanical ventilation as a cause of ARDS, (2) Systemic effects of mechanical ventilation; (3) Session: Iatrogenesis of Mechanical Ventilation: How to Prevent It (Chairman), (4) Biotrauma, pulmonary and systemic effects: Brief review of mechanisms and studies on interventive prevention.


Slutsky AS: The Toronto Critical Care Medicine Symposium, Toronto, Ontario, October 2001. (1) Pressure-volume curves in ARDS: Are they useful? and (2) Member of the Meeting’s Organizing Committee.
Slutsky AS: 8th International Conference on Mechanical Ventilation, Valencia, Spain, April 2002. Co-Director of Course: (1) The ventilator: A dangerous tool, (2) Is autopsy the gold standard for the diagnosis of VILI? (Co-Chair, debate).


Stewart DE: Visiting Professor, University of Iceland, Iceland, April 2002. Boundary violations curricula.


Stewart DE: Visiting Professor, University of Hawaii, Hawaii, United States, February 2002. Depression and cancer.

Stewart DE: Visiting Professor, University of Hawaii, Hawaii, United States, February 2002. Depression and heart disease.

Stewart DE: Visiting Professor, University of Hawaii, Hawaii, United States, February 2002. Estrogen and the CNS.


Stewart DE: Visiting Professor, University of Iceland, Iceland, April 2002. Ischemic heart disease and depression.

Stewart DE: Visiting Professor, University of Iceland, Iceland, April 2002. Menopause and affective disorders.

Stewart DE: Visiting Professor, University of Hawaii, Hawaii, United States, February 2002. Menopause and mood.


Stewart DE: Visiting Professor, University of Hawaii, Hawaii, United States, February 2002. Psychotropic drugs in pregnancy and lactation.


Stewart DE: Visiting Professor, University of Iceland, Iceland, April 2002. Sexual harassment in academic medicine.


**terBrugge KG:** Visiting Professor of Neurosurgery, Karolinska Hospital, Stockholm, Sweden, February 2002. Cerebral venous ischemia.

**terBrugge KG:** Visiting Professor of Radiology, Boston Medical Centre, Boston, Massachusetts, November 2001. Cerebral venous vascular disease. Clinical presentation, imaging and management strategies.


**terBrugge KG:** 2001 National Neuro Endovascular Symposium, South Africa, August 2001. Intracranial aneurysms: Endovascular or surgical management.

**terBrugge KG:** University of Tokushima, Tokushima, Japan, September 2001. Management of brain and dural AVMs and AVFs.


**Willinsky R:** Annual Organ Imaging Review, Toronto, Ontario, October 2001. Neuro cases quiz.

**Willinsky R:** Department of Neuroradiology, Karolinska Institute, Stockholm, Sweden, September 2001. Visiting Professor.
RESEARCH AND INVESTIGATIONS

Senior Investigator’s Name Appears in Italics

Health needs of Pregnant Refugee Women  
Gagnon A, Osman-Martinez J, Stewart DE:  
*Canadian Institutes for Health Reserach* ($289,265 2002 - 2004).

A pilot correlative study between plasma cell-free Epstein-Barr virus (EBV) DNA, clinicopathological findings and functional imaging in patients with nasopharyngeal carcinoma (NPC).  
Siu L, Kamel-Reid S., Gullane P, Irish J, Keller A, MacMillan C, O’Sullivan B:  
*PMH Foundation (Patient Donation)* ($100,000 2000 - 2001).

A program of inter-disciplinary and population-based studies of the determinants and impact of colorectal cancer - A genetic-epidemiological approach.  
McLaughlin J, Bapat B et al:  
*Canadian Institutes of Health Research (CIHR)* ($5,106,885 2001 - 2006).

A randomized controlled trial of psychoeducation vs standard care in oral cancer patients.  
Kaiz M., Gullane P, Irish J, Devins:  
*NCIC* ($136,000 2001 - 2002).

Acellular matrix: Tissue engineering approaches for pediatric cardiovascular reconstruction.  
Wilson GJ, Courtman DW:  

Applied ethics and biotechnology.  
Singer PA, Daar AS:  
*Ontario Reserach and Development Challenge Fund* ($5,800,000 2001 - 2008).

Biotrauma: physiological mechanisms, biological consequences.  
Sutsky AS:  

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

*Canadian Women’s Health Status Report: A multidimensional look at the health of Canadian women.  
Semeules M, Stewart DE, Payne J, Vissandjee B, Kazanjion A, Maclean H, Mao Y:  
*Canadian Population Health Initiative* ($125,000 2001 - 2003).*

Cellular and molecular mechanisms of organ injury.  
Levy GA, Cybulsky M, Downey G, Marsden P, Rotstein O, Zhang L:  
*Canadian Institutes of Health Research* ($587,578 2000 - 2004).

CFRCCS microsatellite instability project.  
Lindor NM, Bapat B:  

Clinical significance of molecular genetic profiles of endometrial cancer.  
Bapat B:  
*Concern Foundation* ($100,000 2000 - 2002).

Clinical trial of raloxifen use in the heart (RUTH).  
Cheung A, Stewart DE, Liu P, Abramson B:  
*Eli Lilly* ($500,000 1998 - 2003).

Co-operative family registry for epidemiologic studies of colon cancer.  
*National Institutes of Health* ($3,200,000 1997 - 2001).

Course of osteoarthritis (OA): a multidisciplinary programmatic proposal to measure the trajectory of OA.  
Badley E., Davis A, Gignac M, Mahomed N, Fortin P, Hawler G:  

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

Cytokines and oxygen free radicals.  
Sutsky AS, Zhang H:  
*Plasma Protein Therapeutics Association (PPTA)* ($42,763 2001 - 2002).

Developing and operating an internet-based interactive genetics service to health care providers in Ontario.  
Wyatt P, Pritzker KPH:  
*The Change Foundation* ($1,000,000 2000 - 2002).

Development of antimicrobial coatings for peritoneal catheters suitable for simultaneous exchange.  
Khoury AE., Burrows L, DiCosmo F:  


Fullerene based photodynamic therapy. Pritzker KPH, Chiang L, Wilson B: C 60 Inc. ($675,000 2000 - 2004).


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


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


**HONOURS RECEIVED**

**Davies JE:** Clemson Award for Basic Research, April 2002.
Emergency Medicine

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)