DEPARTMENT OF SURGERY
ANNUAL REPORT

July 1, 2000 - June 30, 2001

R.S. McLaughlin Professor and Chair - Dr. J.H. Wedge
Professor and Associate Chair - Dr. B.R. Taylor

Surgeons-in-Chief

Dr. J.H. Wedge – The Hospital for Sick Children
Dr. Z. Cohen - Mount Sinai Hospital
Dr. D. Jones - St. Joseph’s Health Centre
Dr. E. Poulin - St. Michael's Hospital
Dr. B. Goldman - Sunnybrook and Women’s College
Health Sciences Centre
Dr. I.J. Harrington - Toronto East General Hospital
Dr. B.R. Taylor - James Wallace McCutcheon Professor
and Chair – University Health Network

University Division Chairs

Dr. S. Fremes - Cardiac Surgery (Acting)
Dr. Z. Cohen - General Surgery
Dr. J. Rutka - Leslie Dan Professor and
Chair of Neurosurgery
Dr. J. Waddell - A.J. Latner Professor and
Chair of Orthopaedic Surgery
Dr. P. Neligan – Wharton Chair in Reconstructive Plastic Surgery
Dr. S. Keshavjee - Thoracic Surgery (Acting)
– July 1, 2000 – December 31, 200
Dr. R.J. Ginsberg – Thoracic Surgery
Dr. M.A.S. Jewett - Urology
Dr. K.W. Johnston - R. Fraser Elliott Chair in Vascular Surgery
Dr. M. Wiley – Anatomy
Dr. L. Wilson-Pauwels - Biomedical Communications
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REPORT FROM THE CHAIR
Dr. John H. Wedge, R.S. McLaughlin Professor and Chair

INTRODUCTION

The last decade of the 20th century was a period of downsizing and contraction in a number of areas of health care and education. Medical school enrolment was reduced, cuts were made to the numbers of our postgraduate trainees and hospitals were merged with bed closures and budget cuts. Fortunately, this now appears to be finally turning around. Medical school enrolment has increased with the prospect of corresponding increases in postgraduate trainees. Government has provided increased funding for our teaching hospitals sector. The transformation of the Canada Medical Research Council to the Canadian Institutes of Health Research has been accompanied by a welcome increase in funding. Federal and provincial infrastructure programs to support health research are making a significant impact on facilities for research. All of these changes are welcome, but will they be sustained?

Our research funding now exceeds $18 million, which represents more than double the amount we attracted 10 years ago. We have had two of our scientists appointed to the new Canada Research Chairs, Drs. Karen Davis and Ben Alman. We now have twenty-four endowed Chairs either established being completed or pledged. This is a remarkable increase from the four Chairs that we had in this department only a decade ago. We have forty residents enrolled in our Surgical-Scientist Program. These surgical leaders of the future have attracted numerous external fellowship awards and prizes from national and international specialty associations to which they have presented their research funding. There is little doubt that those in our Surgical-Scientist program contribute very significantly to the overall research productivity of this department.

Two new specialty Division Heads were appointed this year. Dr. Sender Herschorn has been appointed to replace Dr. Michael Jewett who has served with distinction as Chair of the Division of Urology for ten years. Dr. Robert Ginsberg is the new Chair of the Division of Thoracic Surgery. Dr. Linda Wilson-Pauwels has been re-appointed for another term as Chair of the Division of Biomedical Communications and Dr. Michael Wiley as Chair of the Division of Anatomy. The incorporation of Anatomy as a division of this department has proven very successful. Substantial collaboration is
occurring and the presence of this division is already having an impact on a number of our teaching programs, especially the Surgical Skills Centre at the Mount Sinai Hospital. Unfortunately, Dr. Carol Hutchison the first Director of the Surgical Skills Centre left to join her husband in the United States. However, she has been replaced by another superb educator, Dr. Helen MacRae. The Surgical Skills Centre continues to expand especially with continuing education courses, necessitating the addition of two new staff members.

Visitors to the Department

Professor David I. Rowley, University of Dundee, Dundee, Scotland was the Kergin Lecturer on February 9, 2001. His topic was “Costing and planning an elective surgical service in a public health care system: Evidence and outcomes”.

Janice Pasieka, M.D., F.R.C.S.(C), Clinical Professor, Regional Head, Division of General Surgery, University of Calgary, Foothills Hospital was the John Palmer Lecturer on March 2, 2001. Her topic was "A seven-year journey of developing, validating and reporting a disease-specific surgical outcome tool for hyper-parathyroidism".

Dr. Timothy Eberlein, Spencer T. and Ann W. Olin Distinguished Professor, Director, The Alvin J. Siteman Cancer Center, Bixby Professor and Chair, Department of Surgery, Washington University School of Medicine, Surgeon-in-Chief, Barnes-Jewish Hospital, was the Gordon Murray Lecturer and the Gallie-Bateman Judge on May 11, 2001. His topic was “Surgery in the new millennium”.

Departmental and External Awards and Honours

Dr. Benjamin Alman, 2001 George Armstrong-Peters Prize and Awarded a Canada Research Chair; Dr. Terry Axelrod, Peters-Boyd Academy Award for best undergraduate teacher for clinical clerks; Dr. Mark Bernstein, 2001 E. Bruce Tovee, Dr. Tim Daniels, Appointed Associate Editor, Journal, Foot and Ankle International; Dr. Karen Davis, Awarded a Canada Research Chair; Dr. Michael Fehlings, Cervical Spine Research Society Award; Dr. Christopher Feindel, Ross Fleming Teaching Award, the University Health Network; Dr. Peter Ferguson, 2001 D.R. Wilson Award; Dr. Jeffrey Fialkov, W.K. Lindsay Award for recognition of significant contributions to plastic surgery residents’ research; Dr. Robert Filler, Elected President of the Canadian Society of Telehealth; Dr. Joel Fish, PAIRO Excellence in Clinical
Teaching Award; Dr. Arnis Freiberg, 2001 Outstanding Teacher Award, the Association for Surgical Education/Association of Program Directors in Surgery; Dr. Steven Gallinger, Premier’s Research Excellence Award; Dr. Bernard Goldman, Dr. Marvin Tile Distinguished Service Award; Dr. Hamilton Hall, Henry Farfan Award North American Spine Society; Dr. Douglas Hedden, PAIRO Trust Fund’s Travel Award for Clinical Educators; Dr. Sender Herschorn, Division of Urology Award for Best Resident Teacher and Peters-Boyd Academy Clinical Teaching Award and A.W. Bruce Undergraduate Teaching Award, Division of Urology; Dr. Ronald Kodama, W.T. Aitkens Award for Individual Teaching Performance and A.W. Bruce Undergraduate Teaching Award, Division of Urology and Postgraduate Teaching Award, Division of Urology; Dr. Leila Lax, Biomedical Communications Teaching Award; Dr. Ren-Ke Li, Premier’s Research Excellence Award; Dr. Thomas Lindsay, President of the Peripheral Vascular Surgery Society; Dr. Gergely Lukacs, Premier’s Research Excellence Award; Dr. David Mazierski, Biomedical Communications Teaching Award; Dr. David McCready, College of Family Physicians of Canada 2000 Janssen-Ortho English Literary Award; Dr. Michael McKee, American British Canadian Traveling Fellowship 2001; Dr. Rajiv Midha, Premier’s Research Excellence Award; Dr. Richard Reznick, James IV Traveling Fellowship to Great Britain; Dr. Theodore Ross, 2001 E. Bruce Tovee, Undergraduate Teaching Award; Dr. Lorne Rotstein, University of Toronto, Surgical Skills Centre, Distinguished Educator Award; Dr. James Rutka, 2001 Lister Prize and Chair of the Joint Section on Tumors of the American Association of Neurosurgery and Canadian Neurosurgery; Dr. Robert Salter, Paul Harris Medal from the Rotary Foundation of Rotary International; Dr. Hugh Scully, Appointment to Board of Directors of the World Medical Association and to the Canadian Motorsport Hall of Fame; Dr. Ian Taylor, Harvey Whittaker Memorial Teaching Award; Dr. Kamal Thapar, 2001 Bernard Langer, Surgical-Scientist Award; Dr. John Trachtenberg, Elected President of the Canadian Association of University Urologists; Dr. Herbert von Schroeder, Robert Salter Award Canadian Orthopaedic Foundation; Dr. Thomas Waddell, Elsie Winifred Crann Memorial Trust Award in Medical Research; Dr. Richard Weisel, Research Achievement Award Canadian
Cardiovascular Society; Dr. Douglas Wooster, Elected President of the Canadian Society for Vascular Surgery; Dr. Jim Wright, Arthur H. Huene Memorial Award, POSNA; Dr. Ronald Zuker, Elected Vice-President, American Society for Reconstructive Surgery.

**Reviews, Searches and Appointments**

Dr. Gail Darling was appointed Program Director for the Division of Thoracic Surgery. Dr. Robert Ginsberg was appointed Chair of the Division of Thoracic Surgery.

Dr. Ab Guha was appointed Co-Director of the Arthur and Sonia Labatt Brain Tumor Research Centre.

Dr. Lorne Rotstein was appointed Program Director for the Division of General Surgery. Dr. Ori Rotstein was appointed Director of the Institute of Medical Science, University of Toronto. Dr. William Tucker was re-appointed Director of Undergraduate Education in the Department of Surgery.

Dr. Glen Van Arsdell was appointed Head of the Division of Cardiac Surgery, The Hospital for Sick Children.

Dr. Linda Wilson-Pauwels was re-appointed Chair of the Division of Biomedical Communications.

**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, 2000. Dr. Benjamin Alman, Dr. Thomas Lindsay, Dr. Rajiv Midha, Dr. Mingyao Liu, Dr. David Mazierski were promoted to Associate Professor. Dr. Earl Bogoch, Dr. Steve Gallinger, Dr. Laurence Klotz, Dr. Brian Maki, Dr. Linda Wilson-Pauwels, Dr. Michael Fehlings, Dr. Sender Herschorn, Dr. John Marshall, Dr. James Wright were promoted to Full Professor.

**New Faculty Appointments**
Dr. Paul Bernick, General Surgery, Toronto East General Hospital, Dr. Alan Dackiw, General Surgery, University Health Network, Dr. Massey Beveridge, Plastic Surgery, Sunnybrook and Women’s College Health Sciences Centre, Dr. Peter Chu, General Surgery, Sunnybrook and Women’s College Health Sciences Centre, Dr. Cassim Degani, General Surgery, St. Joseph’s Health Centre, Dr. Robert Ginsberg, Thoracic Surgery, University Health Network, Dr. Philip Haigh, General Surgery, University Health Network, Dr. Leila Kasrai, Plastic Surgery, University Health Network, Dr. Stephen Lewis, Orthopaedic Surgery, University Health Network, Dr. Philip Porter, Neurosurgery, University Health Network, Dr. Kamal Thapar, Neurosurgery, University Health Network, Dr. David Urbach, General Surgery, University Health Network, Dr. Algis Valiulis, General Surgery.
The academic year 2000-2001 was another eventful one for undergraduate education in the Department of Surgery.

In January 2001, Dr. J.G. DesCoteaux from the Department of Surgery of the University of Calgary carried out an external review of undergraduate surgical education. Dr. DesCoteaux shared with us a number of insights based on his extensive experience as Assistant Dean, Undergraduate Medical Education at the University of Calgary. Dr. DesCoteaux was favorably impressed with the extensive evaluation and documentation of teaching performance by surgical faculty and residents. He recognized the importance of this objective documentation in providing credibility for the recognition of teaching activity for purposes of academic promotion, and to facilitate remediation and improvement in undergraduate teaching. Dr. DesCoteaux recognized the problems of recruitment, retention, and reward for undergraduate teaching, and indicated that similar problems were evident in his medical school and in other centres that he had visited across the country. In fact, during this academic year, Professor Pat Whiteside and Associate Dean, Murray Urowitz, co-chaired a task force to address difficulties associated with recruitment and retention of undergraduate teachers known as the Task Force on Recruitment of Clinical Teachers in Medicine.

At the suggestion of the Undergraduate Education Committee, the Department of Surgery nominated Dr. Arnis Freiberg for an Association for Surgical Education Outstanding Teacher Award. We were all delighted that Dr. Freiberg was appropriately recognized as the recipient of this award, which was presented at the Association for Surgical Education Annual Meeting in the spring of 2001. Dr. Freiberg has been a committed and innovative contributor to the undergraduate, postgraduate and continuing education endeavors of the Department of Surgery for many years. His outstanding contributions have been recognized by a number of teaching awards during his long career at the University of Toronto. The Association for Surgical Education Outstanding Teacher Award was, indeed, a fitting tribute to Dr. Freiberg for his long-standing commitment and numerous contributions to surgical education.
The recipient of the Bruce Tovee Award for Undergraduate Teaching in 2001 was Dr. Ed Ross. Dr. Ross has been an outstanding teacher and has also made a major administrative contribution to undergraduate education in our Department as the Clerkship Co-ordinator for Surgery since the implementation of the new curriculum in 1994. Dr. Ross has received consistently high teaching effectiveness scores for his clerkship teaching and P.B.L. teaching over the years.

This year’s D.R. Wilson Award for teaching by a surgical resident went to Dr. Peter Ferguson, a PGY5 in orthopaedic surgery. Dr. Ferguson has sustained high teaching effectiveness scores and frequently received special commendation in Stan Hamstra’s clerkship debriefing reports. The D.R. Wilson Award recognizes the high value that our Department places on the contribution of residents to the day-to-day mentoring and teaching of our students, particularly during the clerkship years.

At the end of this academic year, Dr. Helen MacRae stepped down as the Co-ordinator of the fourth year Department of Surgery O.S.C.E. examination. Dr. MacRae will be replacing Dr. Carol Hutchison as the Director of the University of Toronto Surgical Skills Centre at the Mount Sinai Hospital and we wish her every success in that challenging endeavor.

Over the past academic year, Dr. John Murnaghan conducted two Resident as Teacher Days to prepare PGY2 and PGY3 surgical residents for their involvement in undergraduate teaching. These sessions were well evaluated by both the residents and undergraduate students who attended them.

For the coming academic year, Drs. Ted Ross and Stan Hamstra plan to have the Phase I Surgical Clerkship Syllabus available on a web site. This should improve the usefulness of the syllabus to our students and encourage regular updating and editing to ensure that the materials are current. This will undoubtedly be the first of many initiatives to improve surgical education through the use of the Internet.

I would like to thank all of the faculty and residents who support our undergraduate teaching effort, and particularly recognize the contributions made by the members of the Undergraduate Education Committee of the Department of Surgery.
In the past year, the University of Toronto’s Department of Surgery residents, faculty members and administrative staff had an eventful and successful year in postgraduate education.

All of our CaRMS positions were filled for July 2000. In 2000-2001 we had 231 trainees in our eleven programs (Cardiac Surgery, General Surgery, Neurosurgery, Orthopaedic Surgery, Plastic Surgery, Thoracic Surgery, Urology and Vascular Surgery residencies; and Colorectal Surgery, Paediatric General Surgery and Surgical Oncology fellowship programs). Thirty-two residents received research training within the Surgical-Scientist Program, led by Dr. Ori Rotstein.

Our residents fared well in The Royal College of Physicians and Surgeons of Canada (RCPSC) exams. Thirty-five of thirty-five residents who sat the Principles of Surgery (POS) examination passed (100%), as did 47 of 48 candidates who attempted their fellowship examinations for specialty certification (98%). Congratulations to our trainees on their hard won success!

During April 2001 The Royal College of Physicians and Surgeons of Canada’s accreditation review team spent an entire week reviewing the University of Toronto’s residency programs for the purpose of accreditation, critical review and improvement. This culminated a seven-year cycle. In the intervening years, each program has been subject to continuous monitoring through an internal review process. Our faculty did exceedingly well overall, and the Department of Surgery was no exception. Ten of our eleven programs were granted full approval, and one received provisional approval with a mandated internal review. Thanks to all of the residents who participated openly and enthusiastically in the process, and congratulations to the surgical program directors, surgical division chairs, Postgraduate Associate Dean Urowitz and Chairman Wedge on their huge efforts in postgraduate education and the accreditation process.
There have been several changes in training program leadership. Thanks to outgoing Acting Program Director, Dr. Shaf Keshavjee, for his contributions to the Thoracic Surgery training program. Dr. Gail Darling has taken over as new Program Director for Thoracic Surgery while Dr. Lorne Rotstein is now the sole Program Director of the General Surgery program. The Cardiac Surgery, Urology, Orthopaedic Surgery, Neurosurgery, Plastic Surgery, Pediatric General Surgery, Vascular Surgery and the General Surgical Oncology programs continue to thrive under the leadership of Drs. Charles Peniston, Ron Kodama, Doug Hedden, Chris Wallace, Ron Levine, Jack Langer, Wayne Johnston and Carol Swallow, respectively.

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 departmental 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 residents’ feedback.

The Department of Surgery sponsors a number of educational offerings that round off the residents’ clinical exposure. Dr. Martin McKneally leads the Principles of Surgery lecture series, which provides core surgery residents with the scientific knowledge they need for clinical practice and success in the Principles of Surgery exam. Dr. Jameel Ali re-introduced a Principles of Surgery practice exam this year, for which the residents themselves are helping to build a bank of questions. In special sessions twice annually, the core surgery residents provide feedback to Dr. Hamstra and myself about issues such as workload. On July 10 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 PG1s in July; a career night for senior year medical students interested in surgery; a senior residents’ day led by Dr. Martin McKneally; a resident teachers workshop led by Dr. John Murnaghan; and Advanced Trauma Life Support training led by Dr. Jameel Ali.
The Surgical Skills Centre, under the new leadership of Dr. Helen MacRae, trains core surgery residents in basic operating room skills and theory in a controlled setting, under the supervision of master teachers of surgical technique. Besides teaching core residents basic skills, the Surgical Skills Centre is used to provide advanced skills training for surgical divisions and the Departments of Otolaryngology and Obstetrics and Gynaecology.

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. Mark Bernstein won the 2000-2001 Tovee Postgraduate Award for sustained, outstanding contributions to postgraduate training. Dr. Peter Ferguson won the D.R. Wilson Award for outstanding teaching of medical students by a surgical resident.

This year the new Professional Association of Interns and Residents of Ontario contract states that residents should take call no more than one night in three from home and one in four in hospital. Program directors, surgical staff and residents themselves have worked hard to enforce the regulations.

Once again, I have had the strong support of Chairman Wedge’s profound commitment to postgraduate education, and outstanding administrative support from Tess Weber, Miriam Rotman and Jean DeFazio. We look forward to another great year in 2000-2001!
RESEARCH

Dr. Ori D. Rotstein - Director

The Department of Surgery research activities thrived over the last year. Twelve new residents entered the Surgical-Scientist Program in July, giving the Program more than thirty surgical residents involved in full-time research. The research achievements by these young individuals are recognized locally, nationally and internationally, as evidenced by their excellent publications and their competitiveness for grants and awards. Over 80% of our Surgical-Scientist Program was successful in receiving full or partial salary support from external granting agencies. If all of them were mentioned, it would fill pages, but in summary, they are proof-positive of the quality of science being carried out within the Department. Some noteworthy achievements were: At the Institute of Medical Science Research Day, Sevan Hopyan was awarded the J.C. Laidlaw Prize for excellence in research and Robert Gryfe was the recipient of the Siminovitch-Salter Award for the best scholarly achievements of a Ph.D. graduate. George Oreopoulos was awarded the 2000 Canadian Society of Clinical Investigation/Medical Research Council of Canada Resident Research Award for excellence in resident research, the Pharmacia and Upjohn Annual Assembly Award, and the Physicians and Surgeons Incorporated Foundation Resident Research Award. Michael Taylor was awarded First Prize and Nicolas Phan, Second Prize, of the 2001 Thomas P. Morley Neurosurgical Resident Prize. Dr. Phan also received a Canadian Institutes of Health Research Fellowship. Others receiving Canadian Institutes of Health Research Fellowships include Steven Casha, Anand Ghanekar, Kinga Powers, and Paul Fedak. Rachel Khadaroo received First Prize of the University of Toronto Trauma Research Day 2001 Residents/Graduate Students Oral Presentation and Research Competition. Among other awards, Robin Boushey received the Banting and Best Diabetes Centre Travel Award and the Miriam Neveren Memorial Award. Steven Casha was awarded the K.G. McKenzie Award in Basic Neurosurgical Research and the Neurotrauma Foundation Fellowship Award. Kyle Wanzel received the Henrietta Banting Research Fellowship. This year’s Bernard Langer Surgical-Scientist Award recipient, given to the most outstanding graduate of the Surgical-Scientist Program, was Kamal Thapar. Finally, the Johnson and Johnson Medical Products Surgical-Scientist Fellowship Program’s second year of commitment allowed us to support four of our Surgical-Scientist Program members. These were Alexis Armour, Neelesh Jain, Eddie Matsumoto, and Jennifer Sarjeant.
Gallie Day this year included the annual Gallie-Bateman Competition. Eleven excellent resident papers were presented. Dr. Timothy Eberlein, Bixby Professor and Chair of the Department of Surgery, Washington University School of Medicine, was this year’s Gallie-Bateman Judge and Gordon Murray Lecturer. First prize was awarded to Michael Borger, with Robin Boushey and Eddie Matsumoto tied as runners-up for the Gallie-Bateman Resident Research Competition. Dr. Matsumoto also received the Second Annual Wyeth-Ayerst Canada Incorporated Award for excellent research in the fields of medical education and clinical epidemiology. Dr. Eberlein’s Gordon Murray Lecture highlighted how advances in science and technology, at the turn of the millennium, will drastically alter the way we practise surgery and care for our patients. After the Gallie-Bateman Competition a faculty symposium addressed how molecular medicine will impact on surgical practise. Drs. Benjamin Alman, Steven Gallinger, James Rutka and John Tsihlias each made a presentation highlighting their research work and addressing the bench-to-bedside potential of their work.

The George Armstrong-Peters Prize for best young investigator in the Department was awarded to Dr. Benjamin Alman for his continuing productivity in orthopaedic research, while the Lister Prize for the best Senior Investigator was awarded to Dr. James Rutka, citing his work on human brain tumor research.

Special kudos were directed to several individuals in the Department for outstanding accomplishments: Benjamin Alman and Karen Davis were awarded Canada Research Chairs. Terrence Yau and Lori Burrows received the Connaught New Staff Matching Award. Lori Burrows, Jeffrey Fialkov, Cindi Morshead and Andrew Smith also received the Dean’s Fund Competition for New Staff Award. The list of accomplishments is endless and increases substantially every year.

The focus of this year’s Research Committee was to continue work on the Mentoring Program and the non-clinician scientists’ roles in the Department of Surgery. John Marshall, Carol Swallow, Lori Burrows, Benjamin Alman and Val Cabral have initiated a re-tooling of the existing Mentoring Program by seeking the views of faculty members on the senior faculty’s impact as mentors to junior colleagues. Enlisting the support of senior colleagues with recognized mentorship skills and educators with a more formal knowledge of the mentorship role has been an important component of the Mentoring Program guidelines. Karen Davis has diligently drafted the contents of the
Manual for Non-clinician Scientists, which will be part of a package to new scientists in the Department of Surgery. Finally, we thank Ms. Val Cabral for her skilful administrative co-ordination of all aspects of the Departmental research activities.

In summary, this has been an excellent year for research in the Department of Surgery. We should continue to take great pride in the breadth and depth of our research accomplishments, while remaining cognizant of the importance of future research innovation as a means of providing excellence in patient care.
DIVISION OF CARDIAC SURGERY  
*Dr. Stephen Fremes, Acting Chair*

One of the major events, which occurred in the 2000-2001 academic year, was the opening of a new adult non-academic cardiac surgical unit at Trillium Health Centre. Dr. Gopal Bhatnagar, a very skilled surgeon from Sunnybrook and Women’s College Health Sciences Centre was selected as the head of the new unit. The other members of the Trillium division are Dr. Charles Cutrara, also from Sunnybrook and Women’s College Health Sciences Centre, and Dr. Shafqat Ahmed, who was a fellow at St. Michael’s. Each of the University of Toronto adult cardiac surgical hospitals helped in the training of the nurses, anaesthetists, and technologists of the new centre. As well, there was a lot of movement of other health care members such as cardiologists, anaesthetists, intensivists, nurses, perfusionists and technologists from the existing centres to the new centre, which left each of the existing centres with critical shortages of highly skilled personnel. Another result was an increase in the complexity and acuity of the cardiac surgical cases at the existing centres. This change will likely have implications for resident training in the future.

Dr. Peniston continued as the Program Director of Cardiac Surgery. Under the direction of Dr. Peniston, the Division received full 6-year approval from the Royal College. Dr. David Latter has assumed the leadership of the wet lab component for the residents since the departure of Dr. Bhatnagar, and has performed very admirably. Five senior residents (Gideon Cohen, Michael Borger, Stacey O’Blenes, Andrew Campbell, Tony Azakie) took the Royal College examinations in Cardiac Surgery, and all five passed. Four of our residents were research fellows this past year (1 post-doc, 1 Ph.D., 1 M.Sc. transferring to Ph.D., and 1 M.Sc.), 3 of which were funded by peer-reviewed scholarships. Two of the residents, Gideon Cohen and Michael Borger, received a Ph.D. this year for work completed during their research fellowships.

The Division continues to make a major impact at national and international meetings. As an example, this past year Dr. Fremes was invited to give one of the plenary sessions at the American Heart Association. Dr. Christakis presented the primary results of separate peer-reviewed, clinical trials at the Society of Thoracic Surgery and the American Association of Thoracic Surgeons.
New Recruits

Dr. Vivek Rao has joined the University Health Network, Toronto General Division as a staff surgeon having spent the past year at Columbia University as a clinical fellow. Dr. Rao’s research interest is in the future of LVADs and he will initiate the LVAD Program in Toronto this year.

Faculty Achievements

Dr. Richard Weisel
• 2000 Canadian Cardiovascular Congress Research Achievement Award.
• Canadian Institutes of Health Research two-year operating grant.

Dr. Hugh Scully
• Inducted into the Canadian Motorsport Hall of Fame.
• Elected to the Council of the World Medical Association.

Dr. Christopher Feindel
• Ross Fleming Surgical Educator Award for 2001 for excellence in surgical teaching at the University Health Network.
• A Master’s Degree in Healthcare Management from Harvard University.

Dr. Terry Yau
• Canadian Institutes of Health Research two-year operating grant.

Dr. Charles Peniston
• Chair Examiner of the Royal College of Physicians and Surgeons of Canada.

Dr. David Latter
• Chair Examiner of the Royal College of Physicians and Surgeons of Canada.

Dr. Daniel Bonneau
• Board Member and Examiner of the Royal College of Physicians and Surgeons of Canada.

Dr. Bernard Goldman
• A Tribute Dinner in his honour was held by the Ben Gurion University and attended by 700 guests.
Dr. Lee Errett
• Honorary Professor, Shandong University, Jinan, Shandong Province, China

Resident Awards

Dr. Subodh Verma
• Pfizer Research Prize
• Student Presentation Award, Canadian Cardiovascular Congress
• Pharmacological Society of Canada Young Investigator Award

Dr. Michael Borger
• Bigelow Book Prize, University of Toronto Heart and Stroke/Richard Lewar Centre of Excellence
• Chisholm Memorial Fellowship, Postgraduate Medical Education University of Toronto
• Gallie-Bateman Resident Research Prize, University of Toronto, Department of Surgery
• Honourable mention, J.C. Laidlaw Competition

Dr. Vivek Rao
• Canadian Research Award for Specialty Residents

Visiting Professorships

Residents, fellows and staff surgeons benefited from well-organized Visiting Professorships during the past year. The following scholars were Visiting Professors: Dr. Steven Bolling from the University of Michigan; Dr. Ralph Damiano from Washington University School of Medicine; Professor Kenneth M. Taylor from the Imperial College School of Medicine Hammersmith Hospital; Sir Peter J. Morris from the Nuffield Department of Surgery, University of Oxford and Dr. D. Craig Miller from the Stanford University School of Medicine.
DIVISION OF GENERAL SURGERY

Dr. Zane Cohen, Chair

The Royal College accreditation process and the PAIRO agreement have been major influences on this past academic year. The official Royal College accreditation took place in April 2001. The General Surgical Program, the Colorectal Residency Program, the Pediatric Surgical Program and the Surgical Oncology Program successfully completed the Royal College accreditation review. This process took a significant amount of time and commitment from the majority of our membership within these programs. I take this opportunity to thank all of those who have made the process successful. In particular, I wish to thank Dr. Lorne Rotstein and Dr. Marcus Burnstein, Co-Program Directors in General Surgery for their unflagging commitment to this external survey.

A number of new initiatives have been undertaken during this past academic year. The first is the palm pilot project, by which all of the general surgical residents have been given organizers to help with internal communication, rotation specific objectives and accurate logging of cases. An initial analysis of this pilot program is currently underway.

The resident selection process and the general surgical rotations have also been modified. Our own general surgical residents participated in the selection process and are participating in the assignment of rotations. I believe this to be a significant advance in bringing together the residents and the staff into a more collegial and trusting environment.

The move of General Surgery from the Wellesley Hospital has now been completed and has been incorporated into the St. Michael’s campus. This has made for an extremely strong Division of General Surgery at the St. Michael’s Hospital. The Sunnybrook and Women’s College Health Sciences Centre, although now one general surgical division, continues to have general surgical divisions and rotations at both sites. It is anticipated that it will still be two to three years before these divisions are fully incorporated.

Postgraduate Training

All of our final year general surgical residents were successful in completing the general surgical training program in the year 2000-

The residents engaged in full-time research in the Surgical-Scientist Program during the 2000-2001 academic year were: Dr. Mary-Anne Aarts (Supervisor: J. Marshall/R. McLeod); Dr. Tracey Asano (Supervisor: R. McLeod); Dr. Sean Cleary (Supervisor: S. Gallinger); Andrew Dueck (Supervisor: R. McLeod); Dr. Anand Ghanekar (Supervisor: G. Levy/D. Grant); Dr. Rebecca Gladdy (Supervisor: J. Danska); Dr. Lawrence Green (Supervisor: D. Kucey); Dr. Neellesh Jain (Supervisor: K.W. Johnston); Dr. Erin Kennedy (Supervisor: R. McLeod); Dr. Kouros Moozar Latifpour (Supervisor: S. Gallinger); Giuseppe (Joe) Papia (Supervisor: O. Rotstein); Dr. Kinga Powers (Supervisor: O. Rotstein); and Dr. Mylene Ward (Supervisor: H. MacRae).

The general surgical residents within the Surgical-Scientist Program have contributed greatly to the attainment of research scholarships and other important prizes for their work.

Dr. Lorne Rotstein officially became the Program Director in General Surgery in May of 2001, immediately following the Royal College accreditation process. The Division is indebted to Dr. Peter Chu and Dr. Lloyd Smith for co-ordinating the PGY-1 and 2, and the PGY-3, 4 and 5 seminars.

Promotions

Effective July 1, 2000, Dr. Steve Gallinger and Dr. John Marshall were promoted to the rank of Full Professor.

New Faculty

In 2000-2001 Dr. Paul Bernick joined the Toronto East General Hospital. Dr. Peter Chu joined the Sunnybrook and Women’s College Health Sciences Centre. Dr. Stan Feinberg joined the St. Joseph’s Health Centre but subsequently decided to return to the North York General Hospital. Dr. Philip Haigh joined the University Health Network with a cross-appointment at the Mount Sinai Hospital and Dr. Alan Dackiw joined the University Health Network with a cross -
appointment at the Mount Sinai Hospital commencing January 1, 2001. Dr. David Urbach joined the University Health Network.

**Honours and Awards**

During this past academic year, Dr. Bernard Langer became the President of the Royal College of Physicians and Surgeons of Canada. Dr. Eric Poulin continues as President of the Canadian Association of General Surgeons until September 2001. Dr. David McCready continues as the President of the Canadian Society of Surgical Oncology and he also became the Director of the Breast Site Group at the Princess Margaret Hospital of the University Health Network. Dr. Doug Wooster became the President of the Canadian Society for Vascular Surgery. Dr. Helen MacRae became the Director of the Surgical Skills Centre. Dr. Richard Reznick was awarded the 2001 James IV Travelling Fellowship for Canada. Dr. Lorne Rotstein was awarded the Distinguished Educator Award. Dr. Ori Rotstein became the Director of the Institute of Medical Science, University of Toronto. Dr. Andy Smith became the Acting Director of the Sunnybrook and Women’s College Health Sciences Centre and the Toronto-Sunnybrook Regional Cancer Centre. Dr. Ted Ross was awarded the Tovee Award for Undergraduate Education.

There were numerous grants achieved by our faculty from the Canadian Institutes of Health Research, the Physician Services Incorporated Foundation, the National Cancer Institute of Canada, the National Institutes of Health, the National Sciences and Engineering Research Council, the Crohn’s and Colitis Foundation of Canada, the Crohn’s and Colitis Foundation of America, as well as many others. The total value of all grants received by our faculty during the academic year as principle investigators was $2,660,538.00.

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. Tracy Asano was awarded the Lunenfeld Foundation Award. Dr. Robin Boushey was a runner-up for the Gallie-Bateman Research Prize. He was also honored by a Postgraduate Medical Education Award, an Institute of Medical Science Merit Award and a Physicians Services Incorporated Foundation Resident Research Award. Dr. Anand Ghanekar was awarded a Canadian Institutes of Health Research Fellowship and received honorable mention for the Gallie-Bateman Research Prize. Dr. Rob Gryfe was awarded a Physicians Services Incorporated
Foundation Resident Research Award, the Siminovitch-Salter Award and an Institute of Medical Sciences Award. Dr. Rebecca Gladdy was awarded an Institute of Medical Sciences Merit Award, a Postgraduate Medical Education Award and a Canadian Institutes Health Records Fellowship. Dr. Erin Kennedy received honorable mention for the Gallie-Bateman Research Prize; She also received a Health Research Fellowship and an Institute of Medical Sciences Merit Award. Dr. Rachel Kahdaroo was awarded First Prize in the Oral Presentation and Research Competition, a University of Toronto Trauma Research Day Award and an Alberta Heritage Foundation Fellowship, as well as an Institute of Medical Sciences Merit Award. Dr. George Oreopolous was awarded a Canadian Society of Clinical Investigators/Medical Research Council of Canada Award for Excellence in Resident Research and a Physicians Services Incorporated Resident Research Award. Dr. Kinga Powers was awarded the CIDS Fellowship and was awarded an Institute of Medical Science Merit Award. Dr. Michael Reedijk was awarded the Canadian Association of General Surgeons Merck-Frost Teaching Award. Dr. James Cyriac and Dr. Michael Ko were co-winners of an award for laparoscopic skills in the Competition of PGY-1’s at the Surgical Skills Centre.

Special Events

The Annual Assembly of General Surgeons took place in May. This event was once again organized by Dr. Steve Gallinger and is certainly a highlight as an academic day for our Division of General Surgery. Dr. Paul Redmond from Cork, Ireland was the Bruce Tovee Lecturer and did an outstanding job in assessing the presentations and making the awards for Best Papers to Drs. Sean Cleary, Rachel Kahdaroo and Rebecca Gladdy.

The 41st Annual Update Course for General Surgeons was held at the end of April. This was a two-and-a-half day session devoted to a variety of topics: Surgical oncology, laparoscopic surgery and critical care. Guest lecturers for the update course were Dr. Mitch Fink from the University of Pittsburgh and Dr. Jim Fleshman from Washington University in St. Louis. There were a record number of registrants this year. The Course also featured a touch-pad interactive session and live telesurgery of a laparoscopic colon resection and a sentinal node biopsy.

Dr. David McCready organized a postgraduate course in breast surgery and the first minimally invasive surgical postgraduate course was held
in the fall at the St. Michael’s Hospital. This was under the direction of Dr. Eric Poulin and Dr. Joe Mamazza. The course featured didactic teaching, as well as live telesurgery from two of the operating rooms. The registration for this initial course was excellent and plans are being made for a second course during the fall of 2001.
DIVISION OF NEUROSURGERY
Dr. James T. Rutka, Dan Family Chair

The Division of Neurosurgery underwent a formal program review by the Royal College of Physicians and Surgeons of Canada and received full approval.

Residents Achievements

All five resident candidates passed the Royal College examinations and received their F.R.C.S.C.: Drs. Lily Angelov, Eric Massicotte, Mahmoud Rashidi, Pat McDonald, and Abdulla Shamisa.

Several residents received externally funded fellowships and awards during the year: Dr. Lily Angelov – Education Grant for Neurosurgery, Science and Management Symposium; Dr. Steven Casha – Ontario Neurotrauma Foundation Fellowship Award; Dr. Moji Hodaie – Postdoctoral Fellowship Award, Savoy Foundation; Dr. Michael Taylor – Finlayson Award, Canadian Association of Neuropathologists; Dr. Steven Casha – Fellowship Award, Canadian Institutes of Health Research; Dr. Nicholas Phan – Post-doctoral Fellowship Award, Canadian Institutes of Health Research; Dr. Michael Taylor – Research Fellowship Award, Neurosurgery Research and Education Foundation, American Association of Neurological Surgery and the American Brain Tumor Association; Michael Taylor – Canadian Institute of Health Research Post-doctoral Fellowship Award; Dr. Eve Tsai – Joint Winner of the Women in Neurosurgery Resident Scholarship Award and a Post-doctoral Fellowship, Canadian Institutes of Health Research. Dr. Michael Taylor received the Chisholm Memorial Fellowship and Dr. Elizabeth Arbuthnot the Dyson Fellowship, Faculty of Medicine. Dr. Eve Tsai received the Starr Medal, the James E. Hannah M. Inglee Memorial Research Fund Award, and the Edward Christie Fellowship in Medicine, University of Toronto. Both Dr. Eve Tsai and Dr. Michael Taylor received a Postgraduate Award, University of Toronto.

Dr. Sheila Singh won this year’s Horsey Prize for best clinical research in the Division of Neurosurgery and Dr. Moji Hodaie won Second Prize. The Morley Prize winners for best basic science research were Dr. Michael Taylor – First Prize and Dr. Nicolas Phan – Second Prize. Dr. Julian Spears received the Hudson Resident Teaching Award. Dr. Howard Ginsberg was the first recipient of the Warren Ho Memorial Scholarship.
Dr. Howard Ginsberg successfully defended his Ph.D. in the Institute of Biomedical Engineering.

Dr. Warren C. Ho (resident) died on Thursday, August 10th, 2000.

Faculty Achievements - Awards

Dr. Mark Bernstein won a Tovee Award for Postgraduate Teaching from the Department of Surgery, University of Toronto; Dr. James Drake won the Hudson Teaching Award; Dr. Michael Fehlings won two Ontario Neurotrauma Foundation Grant Awards, a Physicians Services Incorporated Foundation Research Award, a Canadian Institutes of Health Research Grant, a Cervical Spine Research Society Award, a Health Research Personnel Development Program Career Scientist Award, a Premier’s Research Excellence Award, he was co-applicant on a Spinal Cord Research Foundation Award, co-applicant on a Canadian Institutes of Health Research/Canadian Neurotrauma Research Program grant; Dr. Michael Fehlings and Dr. Andrei Krassioukov were co-applicants on a one-year grant from the Christopher Reeve Paralysis Foundation/Cervical Spine Research Society; Dr. Andrei Krassioukov won a Connaught New Staff Matching Award; Dr. Raj Rampersaud and Dr. Michael Fehlings won the American Association of Neurological Surgeons/Canadian Neurological Surgeons 2001 Sanford Larson Award; Dr. Jim Rutka won the Lister Award from the Department of Surgery, University of Toronto, was co-applicant on a Canadian Foundation for Innovation Grant Award and co-investigator on a grant from the National Cancer Institute of Canada; Dr. Kamal Thapar won the Bernard Langer Surgical-Scientist Award from the Department of Surgery, University of Toronto and Dr. Michael Tymianski and Dr. Ron Tasker were co-applicants on a grant from the Canadian Stroke Networks.

New Funded Initiatives

- Establishment of the Ron Tasker Chair in Stereotactic and Functional Neurosurgery
- Establishment of the Robert Campeau Family Foundation/Charles Tator Chair in Brain and Spinal Cord Research
University of Toronto Neurosurgery Lectureships

The Botterell Lecturer – Dr. Ronald Tasker of the University of Toronto; The Keith Lecturer – Dr. David Piepras of the Mayo Clinic; The Hendrick Lecturer – Dr. Doug Cochrane, University of British Columbia.

The number of publications by neurosurgery faculty and residents equalled 75 and there were 59 Visiting Professorships by the faculty.

Promotions

Effective July 1, 2000, Dr. Michael Fehlings was promoted to Full Professor.

Appointments

Dr. Ab Guha has been appointed Co-Director of the Arthur and Sonia Labatt Brain Tumor Research Centre. Dr. Fred Gentili was elected member of the Nominating Committee for the North American Skull Base Society. Dr. Andres Lozano has been appointed to the Scientific Advisory Board of the Michael J. Fox Foundation for Parkinson’s Research, Dr. Andres Lozano has been elected Secretary-Elect of the Movement Disorder Society: He is the first non-neurologist to hold senior office in this international society. Dr. Jim Rutka has been elected to Chair the Joint Section on Tumors of the American Association of Neurological Surgeons and Canadian Neurological Surgeons. He has also been appointed a member of the Scientific Program Committee of the American Academy of Neurological Surgery, and has been elected a member of the Neurosurgery Research and Education Foundation Executive Council

Hosted Functions

- American Association of Neurological Surgeons Annual Meeting.
DIVISION OF ORTHOPAEDIC SURGERY  
Dr. James P. Waddell, A.J. Latner Professor and Chair

Many changes occurred in the Division of Orthopaedic Surgery over the past twelve months. The amalgamation of orthopaedic surgical services between the Wellesley Hospital and the St. Michael’s Hospital occurred uneventfully and now all orthopaedic care, teaching and research for the St. Michael’s Hospital occur at the Bond Street site. This has resulted in a much larger orthopaedic presence within the Bond Street site with improved opportunities, particularly for undergraduate and postgraduate teaching.

Two new staff appointments have been made in the Division over the past year. Dr. Steven Lewis joined the staff of the University Health Network working primarily in the Spine Program at the Toronto Western Hospital.

Dr. Carol Hutchison left the Division of Orthopaedic Surgery in February of 2001. Carol played a very significant role in the educational activities of the Division of Orthopaedic Surgery and the Department of Surgery and she will be greatly missed.

The Division has had a number of outstanding visitors in the past year. Dr. Robert Bourne from London, Ontario was the Kennedy Visiting Professor and did an outstanding job over the three days he visited our Division. Dr. Graham King, also from London, Ontario, was our Visiting Research Professor and contributed greatly to the growing interest amongst the residents and faculty at this University in biomechanics research.

Dr. Henrik Malchau, Head of the Swedish Hip Registry, visited and spent considerable time with the Arthroplasty Interest Group and the faculty as a whole explaining the workings of that registry. This is of particular interest to us at this time as the Division anticipates playing a very significant role in the Canadian Hip Registry, which has just been formed.

In addition, the Austrian, Swiss, German Traveling Fellows visited in March and the Canadian, French, Belgian, Swiss Traveling Fellows visited in May. Both groups of traveling fellows contributed of their considerable experience and knowledge to residents and faculty.
Members of the faculty and residents were recognized for excellence in orthopaedic surgery over the past year. Dr. Joel Lobo received the T.R. Sullivan Award for Excellence in Basic Science Research at the Orthopaedic Research Day for his paper on “The effect of canal fill biomechanical properties, soft tissue, and cortical perfusion of segmental tibial fractures treated with reamed statically locked intramedullary nails”. The Hospital for Sick Children Pediatric Award was given to Dr. Kellie Leitch for the best pediatric paper presented at Kennedy Day for her paper on elective foot surgery in children with muscular dystrophy. The Sanofi-Synthelabo Resident Research Awards were presented jointly to Dr. Paul Grosso for his paper on calcaneal fractures and Dr. John Lau for his paper on total knee replacement surgery. These awards were selected by Dr. Robert Bourne as the Kennedy Visiting Professor. The R.I. Harris Postgraduate Award for the outstanding orthopaedic resident over the course of their training was presented to Dr. Peter Ferguson: This award is determined by a faculty-wide vote. Dr. Ferguson also was awarded the D.R. Wilson Award as the outstanding resident teacher by the Department of Surgery.

Dr. Seven Hopyan had three outstanding accomplishments in his final year in the Surgical-Scientist Program. He won the Laidlaw Prize from the Institute of Medical Science for the best science project presented at their scientific day this year. He received the New Investigator Recognition Award from the Orthopaedic Research Society, one of eight awarded to a total of 312 applicants, and finally, he won the American Academy of Pediatrics Award for the best presentation by a resident or fellow at their annual meeting.

Faculty recognition included Dr. Terry Axelrod being awarded the Peters-Boyd Academy Award for the best undergraduate teacher for the clinical clerks in this Academy for the past year. Dr. Michael McKee was selected as an ABC Traveling Fellow, one of two Canadians so honoured every second year for academic excellence.

Dr. Robin Richards stepped down after eleven years as Chief of Orthopaedic Surgery at St. Michael’s Hospital and was succeeded by Dr. Emil Schemitsch.

The Division of Orthopaedic Surgery was accredited by the Royal College at the time of their review in April 2001. The internal review of the Division had revealed a number of problems, which were very vigorously and fairly addressed by Dr. Douglas Hedden, the new
Program Director. The entire Division owes Dr. Hedden their thanks for the time he has taken to address issues relating to resident training in our Program and we are all delighted with the outcome of the review.
DIVISION OF PLASTIC SURGERY
Dr. Peter Neligan – Wharton Chair in Reconstructive Plastic Surgery

Research within the Division had a successful year, both at resident and faculty levels. Drs. Rob Shenker and Alexis Armour both completed a Master’s Program in the Surgical-Scientist Program and returned to the clinical stream in July. Both will defend their thesis in the fall. Dr. Kyle Wanzel continues in the Surgical-Scientist Program. Kyle is pursuing a Master’s Degree in Education. Dr. Cory Goldberg entered the Surgical-Scientist Program in July under the supervision of Dr. Jeff Fialkov.

Awards

Several awards were won, both by residents and staff, this year. Dr. Rob Shenker won the Award for Best Paper at The Hospital for Sick Children Research Presentations. He also won the Best Research Paper Award at the Canadian Society of Plastic Surgeons’ meeting in Jasper, Alberta. Dr. Marc Dupere won the Best Clinical Paper Award at the Canadian Plastic Surgery meeting. Dr. Sean Rice won the Sopman Humanitarian Award, which was presented at a reception at the home of Michael and Judy Sopman. Dr. Jeff Fialkov was the winner of the W.K. Lindsay Research Supervisor Award that was presented at the annual divisional dinner. The faculty won several teaching awards. The Arnis Freiberg Teaching Award was presented to Dr. Joel Fish. Dr. Fish was also the winner of the PAIRO Excellence in Teaching Award. This was Dr. Fish’s second time to win this prestigious award. Dr. Arnis Freiberg was awarded the Outstanding Teacher of the Year Award by the Association of Surgical Education. This award recognized outstanding achievement in surgical teaching from all over North America.

Training Program

Three residents graduated from the Program this year: Drs. Peter Bray, Linda Dvali and Marc Dupere. All were successful in their Royal College examinations.
Special Honors

Dr. Ron Zuker was elected Vice-President of the American Society for Reconstructive Microsurgery. Dr. John Semple was elected President of the Canadian Society of Plastic Surgeons. Dr. Walter Peters was elected to membership of the American Association of Plastic Surgeons.

New Appointments

Dr. Leila Kasrai was appointed to St. Joseph’s Health Centre. Dr. Kasrai has a clinical interest in pediatric plastic surgery and specifically in ear reconstruction. In collaboration with Dr. David Fisher at The Hospital for Sick Children, a Microtia Reconstruction Program is being assembled.

Academic Events

The 2001 Hoyle Campbell Visiting Professor was Dr. Mary McGrath from Loyola University in Chicago, Illinois. This took place at the Sutton Place Hotel, March 29 and 30. The annual University of Toronto Aesthetic Symposium was held in April with a very large attendance and excellent reviews.

A breast symposium was held for the first time this year and is to become an annual event. An international workshop on obstetrical brachial plexus palsy was hosted by Dr. Howard Clarke at The Hospital for Sick Children. It attracted 44 registrants from Europe and North America.

The annual Upper Extremity Update was held in collaboration with the Division of Orthopaedic Surgery at the St. Michael’s Hospital.
DIVISION OF THORACIC SURGERY

Dr. Robert J. Ginsberg, Chair

On January 1, 2001, Dr. Robert Ginsberg assumed the Chair of Thoracic Surgery. Dr. Shaf Keshavjee continued in his role as Acting Chair until December 31, 2000.

Clinical Accomplishments

The Division continues to provide a full breadth of thoracic surgical services. The End-Stage Lung Disease Program has been extremely active. A record number of double lung transplants were performed this past academic year (50+). The Thoracic Oncology Program continues to develop, providing services as a tertiary care referral centre for most of Ontario.

Teaching and Research

The University of Toronto continues to be the largest and most comprehensive training program in the country for general thoracic surgery. Dr. Gail Darling, having completed her third year as Course Director of the Arts and Science of Clinical Medicine Course has now assumed the Directorship of this Program.

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 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 and Recruitment

It is with great sadness that we bid adieu to Dr. Donald Jones who has announced his intention to move to an academic position in New Jersey. We wish him well. Sadly, over the past eighteen months, three eminent thoracic surgeons (Todd, Winton, Jones) have left Toronto. There is active recruitment occurring to replenish the supply of general thoracic surgeons at the University of Toronto.
Achievements

A highly successful Thoracic Surgical Refresher Course (28th Annual!) was held this past June.

General Description

The University of Toronto Thoracic Surgical Division consists at present of seven thoracic surgeons in two University affiliated hospitals - five surgeons at the Toronto General Hospital and two at the St. Joseph’s Health Centre. In other hospitals, a lot of cases were carried out by thoracic-trained general surgeons. In both centres, the whole spectrum of general thoracic surgery was encompassed other than transplantation (the Toronto General Hospital). There is increasing development of minimally invasive approaches to general thoracic surgery, especially in the management of esophageal disease. There is an extremely large multi-disciplinary oncology program at the two major oncology centres (the Princess Margaret Hospital and the Toronto-Sunnybrook Regional Cancer Centre). This program is involved with many internationally recognized experts in this field.

Education

The Division of Thoracic Surgery participates in undergraduate education at the University Health Network site. Thoracic surgical education in the other hospitals is carried out by those practitioners who include thoracic surgery as part of their expertise.

The thoracic surgical service is the premier training program in Canada. It continues to graduate two thoracic surgeons per year from the residency-training program and an additional 1-2 special Fellow per year. Because of problems with workload, which now have been addressed, the last Royal College Review requested an internal re-assessment in eighteen months’ time.

Research

Overall research activity has been significant. Many of the members of this Division have been principal investigators of national and international trials. Most clinical research has been devoted to these international trials. The University of Toronto has been a major participant both in expertise and patient accrual. The Thoracic Research Laboratory is situated at the Toronto General Hospital and is
extremely well funded. Currently two Fellows are being trained in this laboratory, which devotes most of its energy to lung transplantation investigations.

Appointments over the Last Ten Years

Unfortunately, the Division has suffered markedly by the loss of eight outstanding thoracic surgeons, mainly to foreign recruitment. During this period of time, there have been three Chairmen appointed: One Chair being lost to early retirement and another to foreign recruitment. This has been very unsettling for the Division members.

With two retirements expected within the next four years, there is an active effort towards recruitment at both sites. It is anticipated that there will be at least two new recruits (one already negotiated) at the University Health Network site and a further one to two recruits at the St. Joseph’s Health Centre site. As well, there is a desperate need for development of a thoracic surgical service at the Sunnybrook and Women’s College Health Sciences Centre, the site of a very large cancer centre.

Summary

The Thoracic Surgery Division is in a re-building mode. Despite this, it remains the strongest centre for Thoracic Surgery in Canada and continues to be internationally recognized for its expertise in oncology, airway surgery and lung transplantation. There is a desperate need to attract thoracic surgeons to the University of Toronto and even a greater need to keep them here.
DIVISION OF UROLOGY  
*Dr. Michael Jewett, Chair*

**Faculty Appointments, Promotions, Honors and Changes**

This year the Division faculty consisted of nineteen geographic full-time surgeons, one senior surgeon and one Ph.D. scientist. The hospital re-structuring which started ten years ago was completed enabling the faculty to be geographic on three sites: the Sunnybrook and Women’s College Health Sciences Centre, the St. Michael’s Hospital, and the hospitals in and around University Avenue (the University Health Network, the Mount Sinai Hospital and The 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. The faculty continued their global activities and leadership was provided in international clinical trials and various national and international urological organizations.

Dr. Lori Burrows continues as Director of the Centre for Infection and Biomaterials Research at the Toronto General Hospital, which now houses eleven members, including a Surgical-Scientist resident.

Dr. Lesley Carr officially moved her office to the Sunnybrook campus of the Sunnybrook and Women’s College Health Sciences Centre, where she continues to direct the Urology Program for the residents. She led the creation of and was appointed Medical Director of the Women’s Pelvic Health Centre, which received close to $700K for program development from the Sunnybrook and Women’s College Health Sciences Centre’s innovation fund.

Dr. Neil Fleshner continued his leadership in studies of prevention of prostatic cancer.

Dr. Magdy Hassouna received a grant from the Canadian Institutes of Health Research for a one-year study of the role of vanylloid receptors in the bladder following spinal cord injury.
Dr. Sender Herschorn was promoted to Full Professor. He was appointed Chair of the University Division of Urology and will begin a five-year term on July 1, 2001. He will continue as the departmental Director of Continuing Professional Development (formerly known as Continuing Medical Education). He was awarded the Urology Division Postgraduate Faculty Teaching Award and the A.W. Bruce Undergraduate Teaching Award in the Division.

Dr. John Honey continued as Director of the Uroliathesis and Lithotripsy Program at the University and the Head of this program at the St. Michael’s Hospital. He was awarded a Kidney Foundation of Canada grant to study laparoscopic donor nephrectomy, which was pioneered at the St. Michael’s Hospital.

Dr. Keith Jarvi continued to lead the Andrology Program, with peer-reviewed funding, and supervises a fellow, a post-doctoral student, and a Surgical-Scientist resident.

Dr. Michael Jewett completed his second term as Chair of the Division of Urology at the end of this academic year, but will continue as Head of the Division of Urology at the University Health Network for the near future.

Dr. Tony Khoury continues as Head of Pediatric Urology at The Hospital for Sick Children.

Dr. Laurence Klotz was promoted to Full Professor. He completed his term as Chair of the Canadian Uro-oncology Group (CUOG)/National Cancer Institute of Canada Clinical Trials Group GU Site Committee, but continues as Chair of the Global GU Group, Head of the GU at the Toronto-Sunnybrook Regional Cancer Centre, and Editor-in-Chief of the Canadian Journal of Urology. He formed a new organization, the Canadian Urology Research Consortium, to expedite clinical research in urology in Canada.

Dr. Ronald Kodama was awarded the prestigious Faculty of Medicine Aitkin’s Teaching Award and the A.W. Bruce Undergraduate Teaching Award in the Division.

Dr. Gordon McLorie served as President of the Canadian Urological Association and hosted the annual meeting in Toronto.
Dr. Sid Radomski won the Surgical Skills Centre Teaching Award as the best surgical teacher. He conducts the very popular hands-on part of the Urology Program and is developing the Minimally Invasive Surgery Program at the University Health Network.

Dr. Robert Stewart moved his lab and practice to the St. Michael’s Hospital in July, where he continued with his vascular biology research.

Dr. John Trachtenberg continued as Director of the Prostate Centre at the Princess Margaret Hospital and serves as President of the Canadian Academy of Urological Surgeons.

**Academic Events and Divisional Awards**

Our Charles J. Robson Visiting Professor this year was Dr. Paul Lange, Chair of the Department of Urology at the University of Washington.

Research Day ’01 was held in conjunction with the Robson Visiting Professorship. The awards for best presentations were: Resident First Prize Basic Research – Dr. Antonio Finelli (Identification of genes up-regulated in pseudomonas aeruginosa biofilms) supervised by Dr. Lori Burrows; Honorable Mention – Dr. Antonio Finelli (Development of a rat model of chronic pseudomonas aeruginosa peritonitis for evaluation of colonization-resistant peritoneal dialysis catheters) supervised by Dr. Lori Burrows; Resident First Prize Clinical Research – Dr. Sergio Giancola (Prognostic significance of bilateral positive needle-core biopsies in clinical stage T2a prostate cancer) supervised by Dr. John Tsihlias; Honorable Mention – Dr. Ethan Grober (Correlation of needle biopsy primary and secondary Gleason pattern with clinico-pathological factors in Gleason 7 tumors) supervised by Dr. John Tsihlias; Honorable Mention – Dr. Ben Chew (Vasoepididymostomy and vasovastomy are associated with retention of sperm cytoplasmic droplets) supervised by Dr. Armand Zini; Fellow First Prize Basic Research – Dr. Daniel Herz (Altered extra cellular matrix (ECM) stimulation of bladder smooth muscle cell (BSMC) growth in-vitro is regulated by map kinase) supervised by Dr. Darius Bagli; Honorable Mention – Dr. Ricardo Rendon (Radio frequency(RF) ablation techniques for renal cell carcinoma (RCC) require further development) supervised by Dr. Michael Jewett; Fellow First Prize Clinical Research – Dr. Kenneth Pace (Assessing post-operative recovery: Reliability, responsiveness and validity testing of the post-operative recovery scale (PRS)) supervised by Dr. John Honey; Honorable Mention – Dr. Daniel

The annual graduation ceremony (TURP 2001) took place at the Hart House in June. The faculty was introduced to the new PGY 1’s and the graduates. The achievements of faculty and residents were also recognized, as well as acknowledgement of retirees and new faculty members. Our guests were Robin Roger and Dr. Michele Flax, two well-known Toronto psychologists, who addressed the issues of Freud and Urology.

Dr. Frank Papanikolaou was awarded the Struthers Scholarship for his studies in stone disease.

Postgraduate Education

Dr. Ronald Kodama continued as Program Director with Dr. Lesley Carr organizing the Urology Program. Graduates of the program in 2001 were Drs. Rob Nam, Ali BinMafooz and Kristina Garrels. All were awarded their fellowships from the Royal College of Physicians and Surgeons of Canada.

There were a total of 18 residents in the Program. In addition, there were 11 fellows in clinical and research positions.

The Sixth Urology Fair for resident selection, which is a national event, was held in January in Toronto with all programs sending interview teams and all of the Canadian fourth year students interested in urology attending.

Drs. Eddie Matsumoto (supervisor Dr. Stan Hamstra) and Tony Finelli (supervisor Dr. Lori Burrows) successfully completed the Surgical-Scientist Program and were awarded their Master’s degree. Dr. Matsumoto was Runner-Up in the Gallie-Bateman Research Prize Presentations, was awarded the Wyeth-Ayerst Canada Award in Medical Education and Clinical Epidemiology, First Prize Essay of the Northeastern American Urological Association Meeting and Third Prize Essay of the American Urological Association. Dr. Finelli was awarded First Place in the Allan Wu Poster Competition of the Institute for Medical Science Research Day, First Place in the Infectious
Disease/Microbiology Research Day and Honorable Mention in the Department of Surgery, Gallie-Bateman Research Prize Presentations.

Dr. Ricardo Rendon, a fellow with Dr. Michael Jewett, was awarded the Astra Zeneca-CUOG Research Award for this year.

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

The University of Toronto Urooncology Fellowship Program was initiated with salary support from two fellows per year. This program will be run at the Sunnybrook and Women’s College Health Sciences Centre and the Princess Margaret Hospital/University Health Network and is the first of its kind in Canada.

Many presentations were made by residents at national and international meetings.

**Continuing Professional Development**

The Urology Update was held in November under the able direction of Dr. Sender Herschorn, Director of Continuing Medical Education in the Division of Urology and co-direction of the committee chaired by Dr. Laurie Klotz. Once again, it proved extremely successful.

The Conference in Prostate Cancer was held again at Whistler under the direction of Dr. John Trachtenberg.
DIVISION OF VASCULAR SURGERY
*Dr. K. Wayne Johnston - R. Fraser Elliott Chair in Vascular Surgery*

**Honours**

Dr. Barry Rubin is the Wylie Scholar in Academic Vascular Surgery. Dr. Wayne Johnston continues as Editor-in-Chief of the Journal of Vascular Surgery and the R. Fraser Elliott Chair in Vascular Surgery. Dr. Tom Lindsay was promoted to the rank of Associate Professor, effective July 1, 2000, and is the President of the Peripheral Vascular Surgery Society. Dr. Douglas Wooster is President of the Canadian Society for Vascular Surgery.

**Research**

Dr. Tom Lindsay has a Physicians Services Incorporated Foundation grant to continue his studies of the mechanism of remote organ injury following repair of ruptured aortic aneurysms. Dr. Darryl Kucey, with Dr. Tu, is funded by a grant from the Canadian Heart and Stroke Foundation to evaluate carotid endarterectomy in the community. He is supervising two clinician scientists. With a grant from the Canadian Heart and Stroke Foundation, Dr. Barry Rubin continues his study of factors influencing human neutrophil function. He obtained new grant support from Physicians Services Incorporated Foundation. Dr. Wayne Johnston has a five-year Canadian Institutes of Health Research grant to support his basic research programs in collaboration with Professors Richard Cobbold and Matadial Ojha (Biomedical Engineering) in Doppler ultrasound and hemodynamics studies. Dr. Peter Kalman is a co-investigator on a Heart and Stroke Foundation grant investigating the efficacy of home exercise training in the management of patients with arterial occlusive disease.

**Education**

Dr. Tom Lindsay received an award for individual teaching from the Wightman-Berris Academy and organized and taught a major course at the Institute for Medical Sciences on the “Physiological basis of disease: Research issues in clinical medicine. Dr. Alan Lossing’s core lectures in vascular surgery continue to be very highly evaluated. Dr. Darryl Kucey supervised two Master’s students from the Surgical-Scientist Program. Dr. Douglas Wooster chairs a group that has developed the next version of the Vascular Self-evaluation Program (a Continuing Medical Education program for vascular surgeons),
developed guidelines for a self-assessment program for the maintenance of certification initiative for the Royal College of Physicians and Surgeons of Canada, and is Section Editor for Continuing Medical Education for the American Association of Vascular Surgery web site. Dr. Wooster co-organized a vascular imaging program. Dr. David Szalay is Director of Medical Education at St. Joseph’s Health Science Centre, conducts weekly resident education seminars, and organized a symposium on vascular diseases for family physicians. Dr. Peter Kalman had invitations to present at the Mayo Clinic Symposium, the Montefiore Symposium, the VI Pan American Congress, the Pennsylvania Hospital Symposium and the American College of Surgeons meeting. He also organized a very successful vascular meeting. Dr. Wayne Johnston gave the following named lectures Kempczinski, Linton and Iype, had invitations to lecture at the University of West Virginia, the Albert Einstein College of Medicine, the Uniformed Services University of Health Sciences, the Northwestern University and Cornell University and was the distinguished lecturer at the 25th Anniversary Meeting of the Southern Association for Vascular Surgery.

Administration

Dr. Wayne Tanner is Chair of the Specialists Coalition.

New Programs

Dr. Tom Lindsay started a program for endovascular repair of abdominal aortic aneurysm at the Toronto General Hospital.
DIVISION OF ANATOMY
Dr. Michael Wiley – Chair

The past year saw an increased demand for the educational resources of the Division as a result of increased undergraduate enrolment and a growing interest in undergraduate and postgraduate anatomy electives and anatomy-based CPD courses. The Division continues to explore the applications of electronic multimedia to support anatomy teaching as a means to meet this growing demand.

Drs. Patricia Stewart and Mike Wiley are collaborating with Dr. Linda Wilson-Pauwels, Nick Woolridge, Jodie Jenkinson, Dr. Stan Hamstra and Dr. David McCready in the development of an online CPD credit course in sentinel node biopsy and breast cancer surgery. Dr. Patricia Stewart published her interactive neuroanatomy CD atlas “Functional Neuroanatomy” and has obtained funding from the Provost’s Information Technology Development Fund to assess the educational value of this electronic-based approach to neuroanatomy instruction. Dr. Bernie Liebgott has also obtained funding from the Information Technology Development Fund to create an interactive, computer-assisted learning module on the anatomy of the skull. This program will be developed in two versions: One suitable for students in dentistry and speech therapy, the other for postgraduate students in otolaryngology and oral surgery.

Dr. Bernie Liebgott, Patricia Stewart and Mike Wiley each contributed presentations to the Symposium for Teaching Morphological Sciences in the Digital Age, sponsored by the Canadian Association of Anatomy, Neuroanatomy and Cell Biology.

In keeping with the Division’s goal to be a leading centre in the development of e-based approaches to anatomy education, the Division will host the Fifteenth Annual Slice of Life/Computers in Medical Education workshop in June 2002. The “Slice of Life” Workshop brings together developers of medical and health-related educational multi-media and represents an opportunity to showcase the expertise of the Divisions of Anatomy and Biomedical Communications in this rapidly evolving approach to medical education. Dr. Patricia Stewart will chair the Local Host Centre Committee.

Professor Anne Agur has taken on the Directorship of the Program for Advice and Support for Students (P.A.S.S.). Dr. Patricia Stewart has become Co-course Director for the Brain and Behaviour block with
Marika Hohol. With the retirement of Professor David Cormack, Dr. Mike Wiley has taken over responsibility for histology teaching in the Structure and Function and Metabolism and Nutrition blocks.

**Honours and Awards**

Professor Anne Agur received a Ph.D. degree at the Spring Convocation and is now extending her thesis research on computer modeling of muscle and joint architecture in healthy and diseased states.

Dr. Ian Taylor received the E. Mary Hollington Award for teaching with distinction in the pre-clinical part of the curriculum as well as the Harry Whittaker Memorial Teaching Award.
DIVISION OF BIOMEDICAL COMMUNICATIONS  
Dr. Linda Wilson-Pauwels, Chair

This year the Bell University Laboratories awarded the Division of Biomedical Communications a project grant for “Media-based health communication: Exploring the power of visual media to promote understanding.” Linda Wilson-Pauwels and Nick Woolridge are the principal investigators of the grant and the following faculty members are co-applicants, Drs. Mike Wiley and Patricia Stewart (Anatomy), Drs. Stan Hamstra and David McCready (Surgery) and Monica Schraefel (Computer Science). The biomedical communicators coined the name the “Interpretive Visualization (IVIS) Group” and we have established a lab for research in visual communication in the Biomedical Communications Division. We are very encouraged by the fact that we are conducting applied research in our own domain: Visual communications.

This year the first students entered our new Combined 3-D Animation Program with Sheridan College. To date the results are outstanding. Both students have produced animatics, as well as 3-D medical animations, using Alias’s Maya software. Masters’ topics include visualizing calcium-mediated excito-toxicity in ischemic brain damage and T-cell motility through post-capillary venules in the medulla of a lymph node.

The Master of Science in Biomedical Communications (M.Sc.B.M.C.) Program is now in its sixth year. As a result, we prepared a self-study and were externally reviewed by the Ontario Council on Graduate Studies. For two days, the Directors of two accredited programs, The Johns Hopkins Art as Applied to Medicine Program and the University of Michigan’s Medical and Biological Illustration Program, visited our facility and met with members of the University. Their report was both positive and informative.

Our goal for next year is to continue to attract grant funding for applied research in visual communication.
SURGICAL ALUMNI ASSOCIATION
Dr. Charles H. Tator, President

This year we continued to maintain our strong commitment to the Surgical-Scientist Program and contributed almost $100,000, which represents the approximate total amount of the annual donations from our generous alumni. We receive the majority of our donations from alumni who are current faculty members, but also a considerable number of donations from those who practice elsewhere in Canada and in other countries. We have spent considerable effort to update our mailing lists so that we can be sure to reach all alumni through our semi-annual newsletters, and requests for donations. The offices of the Division Chairs remain the most reliable sites for maintaining accurate and up-to-date alumni mailing lists, especially for those living in other countries. We have established that all donations from the United States of America are also eligible for income-tax relief, and hopefully the same is true for alumni in many other countries. Our goal this year is to collect $150,000 in donations to ensure that all residents who want additional training in education or research, or both, can have the opportunity.

We have made several changes to the membership of the Surgical Alumni Association Committee. We said goodbye and thank you to several members who served for many years, and welcomed several new members from the University of Toronto faculty and from elsewhere. The list of current committee members can be seen in each Alumni Newsletter. A very informative planning meeting was held in March and we plan to hold an annual meeting of this type.

With respect to the Newsletter, we have asked the Division Chairs to collect more information from their respective alumni for inclusion in the “What’s Happening” section. If any alumni have a favorite story or picture he/she would like to share, please send it along to the Editor, Dr. Robin Humphreys, who continues to do a stellar job.

This year we instituted a new form of giving. If you would like to honor one of your colleagues who may have done something special, then make a donation to the Surgical Alumni Association in that person’s honor, and we will acknowledge it in a special section of the Newsletter.
The past twelve months was a time of growth and productivity for the Surgical Oncology Program at the University of Toronto. Recruits included Drs. Philip Haigh and Alan Dackiw at the University Avenue site. These recruits will join Drs. Lorne Rotstein and David McCready in a very strong Breast/Endocrine Oncology Program. Dr. Carol Swallow continues to lead the Fellowship Program, which received very favorable reviews in the recent Royal College review.

As the academic year comes to an end, there is considerable activity at both sites. Search committees have selected new leaders for surgical oncology at Princess Margaret Hospital and at the Toronto-Sunnybrook Regional Cancer Centre. One of our surgical partners has virtually concluded an alternative payment plan for cancer surgery. Programmatic management at both sites has focused the role of surgical oncology in resource utilization and program delivery.

Drs. David McCready and Andy Smith are to be commended for their persistence in extending cancer centre standards of comprehensive care to the community. Through Continuing Education programs and by the regular TORSO rounds for general surgeons, these two surgeons have raised the standard of care for patients in our geographic area.

University of Toronto surgeons, led by Dr. David McCready, were instrumental in an analysis of surgical waiting times across Ontario Cancer Centres. This study points to the prolonged waits for treatment that some of our patients encounter and addresses the necessity for continued investment in surgical oncology training and infrastructure.
CONTINUING PROFESSIONAL DEVELOPMENT

Dr. Sender Hershorn, Director

Last year was a very active one in continuing education for the members of the Department of Surgery, as continuing professional development (CPD) assumes a position of increasing importance in our careers.

The members of the Department set about complying with the Guidelines of the Royal College of Physicians and Surgeons of Canada for accreditation of their own continuing professional development activities. The guidelines require tracking all of the continuing professional development activities for each year. Fellows are required to earn 400 credits during five-years of active practice by participating in educational activities of their choice. The first five-year cycle extends from January 1, 2001 until December 31, 2005. The initial deadline for registering was pushed back from January 1, 2001 to January 1, 2002. Members are required to submit continuing professional development hours from both the year 2000 and the year 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 percent of fellows who have completed continuing professional development activities in the previous year will be required to validate their self-reports of participation in continuing professional development activities.

The Department of Surgery has been extremely active in providing continuing professional development events. Data was captured from the Faculty of Medicine Continuing Education database. Various divisions and individual surgeons also held other events during the year. Overall there were more than 21 courses with an enrolment of 2,484 participants. A total of 255 accredited hours were delivered. There were also additional collaborative events and courses between surgical divisions and other departments, which 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 innovation has been the hallmark of activity. Each division has been committed to continuing education and a number of events have been particularly notable. The Division of
The Division of General Surgery held its 41st Annual Update. The Division of Urology held the 8th Annual Urology Update, which was the largest continuing education event in Canada. The Division of Vascular Surgery has developed an accredited self-evaluation program and a vascular imaging program. The Division of General Surgery and the Division of Biomedical Communications 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 continuing education course focused on surgical problems in developing countries.

Acknowledgement of contributions and support for innovation and education are done through the Faculty Continuing Education Department. The Colin Woolf Awards are given annually, one for excellence in course co-ordination, 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 Dr. Sender Herschorn (1998), Dr. Bryce Taylor (1999) for long-term commitment, and Dr. Andres Lozano (1999) for course co-ordination.

The David Fear Fellowship (up to $3,000 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 continuing education departments, participation in professional continuing education meetings, or other activities such as developing an educational grant or innovative continuing education 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 continuing education research and development awards are also available through the Faculty Continuing Education Office (http://www.cme.utoronto.ca/research/internal.html).

There has been an increasing emphasis on continuing education and involvement by members of the Department. Members are encouraged to participate actively in course design and delivery of continuing education and record their activity on their curriculum vitae/teaching dossier updates. In addition to the satisfaction derived from maintaining and improving standards of practice amongst our colleagues, excellence in continuing education activity can also have a positive impact on the annual performance review and in academic promotion.
THE HOSPITAL FOR SICK CHILDREN

Dr. John H. Wedge, R.S. McLaughlin Professor – Surgeon-in-Chief

HEADS OF DIVISIONS

Dr. W.G. Williams – Cardiac Surgery
Dr. J. Langer – General Surgery
Dr. R. Humphreys – Neurosurgery
Dr. W. Cole – Orthopaedic Surgery
Dr. R. Zuker – Plastic Surgery
Dr. A. Khoury – Urology

The most notable achievement for the Department of Surgery at The Hospital for Sick Children this year was the successful re-negotiation of our Alternative Funding Plan for clinical service, research and teaching. The new plan will enhance our research and teaching initiatives and create a number of much needed new positions to fulfil our academic mission. The Hospital for Sick Children Foundation has matched the Ministry of Health and Long-Term Care increase in the base funding for the plan to support the research and teaching component of our faculty members’ responsibilities.

Research funding and productivity continues to escalate at an impressive rate. Dr. Benjamin Alman has received a Canada Research Chair. The presence of surgeon-scientists and investigators in our research institute continues to increase at an impressive rate.

Dr. Glen Van Arsdell has been appointed Head of the Division of Cardiac Surgery effective this July to replace Dr. Williams who has made such a substantial contribution to the care of children with cardiac defects over many years. Dr. Van Arsdell has ambitious plans for both the organization of clinical care and the development of clinical research in the Division.

As can be seen from this year’s report, academic productivity has made another quantum leap, both in external research funding and peer-reviewed publications. Residents in the Surgical-Scientist Program, based at The Hospital for Sick Children, have again won numerous awards for their presentations at national and international meetings.
DIVISION OF CARDIAC SURGERY

Dr. E.H. Blackstone – Associate Professor  
Dr. J.G. Cols - Associate Professor  
Dr. G.S. Van Arsdell - Associate Professor  
Dr. W.G. Williams – Professor (Division Head)  
Dr. C. Witness - Associate Professor

PUBLICATIONS


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES

Blackstone EH:  Baylor University Medical Center, Dallas, Texas, October 2000.  Does a small aortic prosthesis reduce survival?


Williams WG:  Royal Brompton Advanced Symposium in Adult Congenital Heart Disease and Cardiac Surgery, London, United Kingdom, February 2001.  (1) Fontan versus non-Fontan palliation for single ventricle in the adult, (2) Pulmonary valve replacement: Why and when?
Williams WG: Russian Academy of Medical Sciences International Symposium on Double Outlet Right Ventricle, Moscow, Russia, October 2000. (1) Re-operation in double outlet right ventricle, (2) Surgical options for double outlet right ventricle.


Wittnich C: Heart and Stroke Foundation of Ontario, Etobicoke, Ontario, April 2001. Does gender and age affect your heart’s response to stress?

Wittnich C: Heart and Stroke Foundation of Ontario, Toronto, Ontario, December 2000. Sex, maturity and heart disease: A researcher’s perspective!


RESEARCH AND INVESTIGATIONS
Senior Investigator’s Name Appears in Italics


**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. Kim – Assistant Professor
- Dr. J.C. Langer – Professor *(Division Head)*
- Dr. G.L. Lukacs – Assistant Professor

**PUBLICATIONS**


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


Langer JC: Canadian Association of Pediatric Surgeons, Montebello, Quebec, September 2000. Prenatal diagnosis of esophageal atresia using sonography and magnetic resonance imaging.


Langer JC: Utah Roundtable on Fetal Surgery, Salt Lake City, Utah, February 2001. Fetal surgery around the world: Only a United States enterprise?


**Lukacs G:** University of Iowa, Des Moines, Iowa, December 2000. A cell biologist’s perspective of cystic fibrosis.

**Lukacs G:** Queen’s University, Kingston, Ontario, March 2001. Sorting determinants of CFTR at the ER and the cell surface.

**Lukacs G:** European Cystic Fibrosis Consensus Conference, Lisbon, April 2001. Novel approaches to monitor cell surface delivery of CFTR.

**Lukacs G:** Cystic Fibrosis Conference, Williamsburg, Virginia, June 2001. (1) Endocytosis signals in CFTR. (2) Folding of CFTR in vivo, (3) The role of the C-terminus of CFTR.

**RESEARCH AND INVESTIGATIONS**

*Senior Investigator's Name Appears in Italics*


**DIVISION OF NEUROSURGERY**

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

**PUBLICATIONS**


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


Dirks PB: Visiting Professor, Washington University School of Medicine, St. Louis, Missouri, October 2000. Regulation of proliferation and differentiation of glial tumors.


**Humphreys RP:** Visiting Professor, University of Miami, Miami, Florida, February 2001. (1) Contemporary issues with spinal dysraphism, (2) Skin signatures of spina bifida, (3) Idiosyncrasies of pediatric arteriovenous malformations.


**Humphreys RP:** Royal Brisbane Hospital, Brisbane, Australia, May 2001. Visiting professor and consultant.

**Humphreys RP:** Royal Melbourne Children's Hospital, Melbourne, Australia, May 2001. Visiting professor.


**Rutka JT:** Western Neuroradiological Society, Monterey, California, October 2000. Pediatric seizure surgery.

**Rutka JT:** Royal College of Physicians and Surgeons of Canada Lecturer, Canadian Association of Neuropathologists, Banff, Alberta, October 2000. New insights into the molecular genetics and pathology of human brain tumors.


**Rutka JT:** University of Virginia, Charlottesville, Virginia, March 2001. The role of multiple subpial transections in epilepsy surgery in children.

**Rutka JT:** Society of Neurological Surgeons, Cleveland, Ohio, May 2001. The molecular basis of neurosurgical disease.

**Rutka JT:** Canadian Congress of Neurological Sciences, Halifax, Nova Scotia, June 2001. Multiple subpial transections in the surgical candidates using depth electrodes and SEEG.

**RESEARCH AND INVESTIGATIONS**

_Senior Investigator's Name Appears in Italics_


Cytoskeletal: Matrix interactions regularity astrocytoma tumorogenetic. _Rutka J, Becker L: Canadian Institutes of Health Research_ ($300,000 2001 – 2004).


Regulation of the cell cycle in developing astrocytes in vivo. Dirks PB: Dean's Fund ($10,000 1999 - 2001).

Regulation of the cell cycle in developing astrocytes in vivo. Dirks PB: Connaught Foundation ($30,000 1999 - 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. M.C. Rang - Professor
Dr. R.B. Salter - Professor
Dr. J.H. Wedge – Professor
Dr. J. Wright - Professor

PUBLICATIONS

Babyn PS, Wihlborg CE, Tjong JK, Alman BA, Silberberg PJ:
Local complications after limb-salvage surgery for pediatric bone
tumors: A pictorial essay. Canadian Association of Radiologists

Beaton DE, Bombardier C, Katz JN, Wright JG, Wells G, Boers
M, Strand V, Shea B, OMERAC MCID Working Group: Looking
for important change-differences in studies of responsiveness. Journal

Beaton DE, Katz JN, Fossel AH, Wright JG, Tarasuk V,
Bombardier C: Measuring the whole or the parts? Validity,
reliability and responsiveness of the disabilities of the arm, shoulder
and hand DASH outcome measure in different regions of the upper

Bernard MA, Hall CE, Hogue DA, Cole WG, Scott A, Snuggs MB,
Clines GA, Ludecke HJ, Lovett M, Van Winkle WB, Hecht JT:
Diminished levels of the putative tumor suppressor proteins EXT1 and
EXT2 in exostosis chondrocytes. Cell Motil Cytoskeleton: February

Bouma P, Cabral WA, Cole WG, Marini JC: Col5A1 exon 14
splice acceptor mutation causes a functional null allele, haplo-
insufficiency of al(V) and abnormal heterotopic interstitial fibrils in
EDSII. Journal of Biological Chemistry: January 2001: 10(1074): pp
M011742200.


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


Cole WG: Rainbow Babies and Children's Hospital/University of Cleveland/Case Western Reserve University, Cleveland, Ohio, January 2001. 2001 Rainbow professorship.


Salter RB: University of Beijing, Beijing, China, April 2001. The biological concept of continuous passive motion from origination to research to clinical applications.

Salter RB: University of Kyoto, Kyoto, Japan, April 2001. The biological concept of continuous passive motion from origination to research to clinical applications.

Salter RB: University of Shanghai, Shanghai, China, April 2001. The biological concept of continuous passive motion from origination to research to clinical applications.


Wright JG: Visiting Professor, Cornell University Hospital for Special Surgery, New York, New York, September 2000: (1) Are we doing too much, too little, or just the right amount?, (2) Shouldn’t we be asking patients if they are better?


Wright JG: Visiting Professor, Dartmouth University, Burlington, Vermont, March 2001. Explanations for area variation and addressing unmet need for orthopaedic procedures.

**RESEARCH AND INVESTIGATIONS**  
*Senior Investigator's Name Appears in Italics*

A multi-centre, randomized clinical trial comparing intralesional methylprednisolone and bone marrow injections for simple bone cysts.  

A randomized clinical trial comparing the Moss Miami and Universal spinal instrumentation systems for idiopathic scoliosis.  


Development of a new comorbidity index to adjust for those conditions, which, in addition to the primary diagnosis, predict future functional decline. *Wright JG: Canadian Arthritis Network* ($16,000 1999-2001).


**HONOURS RECEIVED**

**Alman BA:** Canadian Research Chair, April 2001.

**Salter RB:** Appointed Honorary Professor, Military Postgraduate Medical Institute of the University of Beijing, April 2001.

**Salter RB:** The Paul Harris Medal, Rotary International, April 2001.

**Wright JG:** Arthur H. Heune Memorial Award, Pediatric Orthopaedic Society of North America, April 2001.
DIVISION OF PLASTIC SURGERY

Dr. H.M. Clarke - Associate Professor
Dr. L.G. Farkas - Associate Professor
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


Clarke HM: American Society of Plastic Surgeons, Los Angeles, California, October 2000. Complex reconstruction of the pediatric hand.


Forrest CR: Challenges and advances in craniomaxillofacial trauma and reconstruction: Orbital reconstruction, Redondo Beach, California, October 2000. (1) Anophthalmic orbital deformity, (2) Control of the orbit in multiple suture craniosynostosis, (3) Management of the radiated orbit and orbital vascular malformations.


Zuker RM: Visiting Professor, University of Witwatersraand, Johannesburg, South Africa, November 2000. (1) Advances in facial paralysis reconstruction with the aid of microsurgery, (2) Microsurgery in children, (3) Pediatric plastic surgery.

Zuker RM: William J. Barwick Lecturer, Duke University, Durham, North Carolina, November 2000. (1) Advances in facial paralysis reconstruction with the aid of microsurgery, (2) Soft tissue augmentation in craniofacial microsoma.


Zuker RM: American Society of Plastic Surgeons, Los Angeles, California, October 2000. (1) Instructional course: Complex reconstruction of the pediatric hand, (2) Instructional course: Head and neck microsurgery.


Zuker RM: Visiting Professor, Indiana University, Indianapolis, Indiana, April 2001. Selection of the motor nerve for muscle transplant innervation in facial paralysis.

Zuker RM: Visiting Professor and William J. Barwick Lecturer, Duke University, Durham, North Carolina, November 2000. (1) Advances in facial paralysis reconstruction with the aid of microsurgery, (2) Soft tissue augmentation in craniofacial microsomia.

RESEARCH AND INVESTIGATIONS


HONOURS RECEIVED

DIVISION OF UROLOGY

Dr. D.J. Bagli, - Assistant Professor
Dr. A.E. Khoury - Associate Professor (Division Head)
Dr. G.A. McLorie - Associate Professor
Dr. P.A. Merguerian - Assistant Professor

PUBLICATIONS


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


McLorie GA: University of Calgary, Calgary, Alberta, April 2001. Reflux: Is surgical intervention necessary to prevent scarring?

RESEARCH AND INVESTIGATIONS

Senior Investigator's Name Appears in Italics

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


MOUNT SINAI HOSPITAL

Dr. Z. Cohen – Surgeon-in-Chief

HEADS OF DIVISIONS

Dr. R.S. McLeod – General Surgery
Dr. A.E. Gross – Orthopaedic Surgery
Dr. M. Buckspan/Dr. K. Jarvi - Urology

The subspecialty programs within the Division of General Surgery in the Department of Surgery at Mount Sinai Hospital are the following: Colorectal disease including I.B.D. and surgical oncology, with particular reference to hepatobiliary surgery, colorectal cancer, endocrine oncology, and breast disease. The main foci within the Orthopaedic Division are reconstructive surgery and surgical oncology (sarcoma). Within the Division of Urology the major focus is the infertility program.

Division of General Surgery

The Division of General Surgery at the Mount Sinai Hospital has eight full members: Drs. Zane Cohen, Jean Couture, Steve Gallinger, Helen MacRae, Robin McLeod, Irv Rosen, Saul Sidlofsky and Carol Swallow. Dr. Irv Koven is an associate member of the Division. During this past year, there were several new members of the Division who were cross-appointed between the Division of General Surgery at the University Health Network and the Mount Sinai Hospital. These included Drs. David McCready, Phil Haigh, Alan Dackiw, Lorne Rotstein and David Urbach.

During the academic year 2000-2001, there has been integration of the Divisions of General Surgery at the University Health Network and the Mount Sinai Hospital. There are now integrated breast and head and neck programs with surgeons performing clinical work including surgery at both sites. There is a commitment to recruit jointly to both divisions and to continue attempts at merging both divisions.

In the past year, the Dr. Earl D. Myers Lectureship was inaugurated. The first Earl D. Myers Lectureship took place in November of 2000.
The guest lecturer was Mr. Bill Heald from Basingstoke, England. As well, the Division of General Surgery has welcomed several visitors to the hospital including Professor Rune Sjodahl from Lingopin, Sweden, the Southern Surgical Society of Clinical Surgeons, who held their annual scientific meeting at the Mount Sinai Hospital in May 2001. Members of the Department of Surgery throughout the University took part in this event.

Some of the highlights of the academic year were the following:

**Education**

Dr. Helen MacRae was appointed Director of the Surgical Skills Laboratory. Dr. Carol Swallow continues as the Program Director of the Surgical Oncology Fellowship Training Program.

**Program**

Dr. Robin McLeod initiated Evidence Based Reviews in Surgery, where a critical appraisal journal club curriculum was developed and distributed to all sixteen general surgical programs in Canada. This was done under the auspices of the Canadian Association of General Surgeons. Dr. Robin McLeod is the committee chair.

Dr. Steve Gallinger was the primary thesis supervisor for three students who completed their M.Sc. (Dr. Christine Ribic) and Ph.D. (Dr. Joseph Wen and Dr. Rob Gryfe). Dr. Jennifer MacMillan successfully completed her M.Sc under the supervision of Dr. Carol Swallow. Dr. Robin McLeod supervised Dr. Erin Kennedy as she successfully completed her Ph.D.

**Research**

Dr. Helen MacRae received three grants: One grant from the Physicians Services Incorporated Foundation (with co-investigator Dr. Robin McLeod) to assess the teaching of critical appraisal skills to community surgeons; a second grant from the Association of Canadian Medical Colleges/Medical Research Council of Canada to perform a needs assessment of surgeons; and a third from CESERT to perform a self-assessment of surgical residents.

Dr. Robin McLeod received two grants, from the Crohn's and Colitis Foundation of America and the Canadian Institutes of Health Research,
for a multi-centre trial to assess surgical technique in Crohn’s disease patients.

Dr. Steve Gallinger continues to head the Familial Gastrointestinal Cancer Registry and has received two National Cancer Institute of Canada grants, as well as a recent Premier’s Excellence Award. Dr. Gallinger is also a part of a program grant (headed by John McLaughlin) from the Canadian Institutes of Health Research to study the genetic epidemiology of cancer, and another one from the National Cancer Institute of Canada to assess microsatellite instability in individuals with colorectal cancer.

Dr. Carol Swallow received a two-year grant from the Physicians Services Incorporated Foundation entitled “Modulation of immunosuppression and hepatic fibrogenesis by fetuin, an endogenous TGF-beta 2 antagonist.”

Administration

Dr. Zane Cohen continued to be Chair of the University of Toronto Division of General Surgery. In addition, he was re-appointed for a third term as Chief of Surgery at the Mount Sinai Hospital.

Dr. Steve Gallinger was named head of the Section of Hepatobiliary and Pancreatic Surgical Oncology at the University Health Network and the Mount Sinai Hospital.

Honors

Dr. Steve Gallinger received the Israel Cancer Research Foundation Scientific Award.

Dr. Robin McLeod gave the BJS Lecture at the annual meeting of the Association of Coloproctology of Great Britain and Ireland. Dr. Robin McLeod was also the external examiner in surgery at the University of Hong Kong.

Dr. Carol Swallow received an American College of Surgeons’ Faculty Research Fellowship. She also organized the Royal College accreditation for surgical oncology. The program was approved with high praise.
Dr. Tony MacLean, one of the colorectal fellows, won the Canadian Association for General Surgeons Research Award for Clinical Sciences and Dr. Erin Kennedy, a Surgical-Scientist Program resident, was awarded a Medical Research Council of Canada fellowship.

Dr. Helen MacRae received an Association for Surgical Education grant to assess laparoscopic skills.

Division of Urology

The research program within the Division of Urology has been very productive. There is ongoing grant support from the National Institutes of Health for projects looking at the role of genetics in male infertility, and infection in the male reproductive tract. Additional basic science work is focused on DNA alterations in sperm and sperm maturation.

Surgical trainees doing research work within the Division have focused on basic science projects studying the use of molecular biology techniques to detect infection in male infertility and the role of cystic fibrosis in male infertility. Two summer students were involved in award winning projects through the Infection and Biomaterials Research Laboratory of the Division. The presence of the members of the Division of Urology has been strong internationally, as evidenced by numerous invitations to international meetings.

In addition, the Division of Urology at the Mount Sinai Hospital organized the First Annual University of Toronto Andrology Symposium.

Division of Orthopaedic Surgery

Dr. Jay Wunder was awarded the Rubinoff/Gross Chair in Orthopaedic Oncology and Dr. Allan E. Gross was awarded the Bernard Ghert Chair in Lower Extremity Reconstruction.

In the past academic year three courses related to revision arthroplasty of the hip were run at the Mount Sinai Hospital. This is a one-day course, which consists of a live TV demonstration of a hip revision, followed by a hands-on workshop in the Surgical Skills Lab at the Mount Sinai Hospital. This course attracted surgeons from North America and Europe and it is planned that four more courses will be held in this upcoming academic year.
Dr. Stuart Goodman, who is the Chair of Orthopaedics at the Stanford University in California, is taking a one-year sabbatical within the Orthopaedic Division at the Mount Sinai Hospital commencing August 1, 2001. He will gain expertise in revision arthroplasty of the hip.

There have been peer-reviewed grants awarded to the members of the Division of Orthopaedic Surgery at the Mount Sinai Hospital to include Dr. Allan E. Gross, Dr. Jay Wunder, Dr. Robert Bell and Dr. Erin Boynton. Grants have been obtained from the Arthritis Society, the Physicians Services Incorporated Foundation, the Canadian Institutes of Health Research, the Canadian Orthopaedic Foundation and numerous other non-peer reviewed grants.

The Orthopaedic Division is extremely strong clinically and academically. The strengths in surgical oncology and reconstructive surgery will be maintained and individuals recruited to bolster these programs of excellence.
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. R.S. McLeod - Professor (Division Head)
Dr. I.B. Rosen - Professor
Dr. S. Sidlofsky - Assistant Professor
Dr. C.J. Swallow - Assistant Professor

PUBLICATIONS

Cheung CC, Ezzat S, Freeman JL, Rosen IB, Asa SL:
Immunohistochemical diagnosis of papillary thyroid carcinoma.

Cohen Z, McLeod RS:
Inflammatory bowel disease. In:

Cotterchio M, McKeown-Eyssen G, Sutherland H, Buchan G,
Aaronson M, Easson AM, Macey J, Holowaty E, Gallinger S:
Ontario Familial Colon Cancer Registry: Methods and first-year response rates.
Chronic Disease in Canada: August 2000: 21: pp 81-86.

Harness JK, van Heerden JA, Lennquist S, Rosen IB:
The future of thyroid surgery and training surgeons to meet expectations of 2000 and beyond.

Hemming AW, Gallinger S, Greig PD, Cattral MS, Langer B,
Taylor BR, Verjee Z, Geisbrecht E, Nakamachi Y, Furuya KN:
The Hippurate ratio as an indicator of functional hepatic reserve for resection of hepatocellular carcinoma in cirrhotic patients.

Hemming AW, Gallinger S:


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


Gallinger S: Jackson Laboratory, Bar Harbor, Maine, October 2000. Inhibition of intestinal neoplasia in genetic mouse models with Cox inhibitors.


MacRae H: Surgical Educators Course, University of Calgary, Calgary, Alberta, October 2000. Exploiting teaching opportunities in the operating room.


McLeod RS: Bushell Lecturer, Australian Gastroenterology Week, Hobart, Australia, October 2000. (1) Quality of life following colectomy anal fissure: Prevention of post-operative Crohn's disease, (2) Screening for colorectal cancer, (3) Epidemiology of colorectal cancer surgical management of refractory distal ulcerative colitis.


McLeod RS: Digestive Diseases Week, Society for Surgery of the Alimentary Tract Post-Graduate Course, Atlanta, Georgia, May 2001. (1) Surgery for Crohn's Colitis, (2) What is evidence-based medicine?


RESEARCH AND INVESTIGATIONS
Senior Investigator's Name Appears in Italics


A multi-centre, randomized, parallel group, placebo-controlled, double-blind study with in-house blinding to determine the effect of 156 weeks of treatment with MK-0966 on the recurrence of neoplastic polyps of the large bowel in patients with a history of colorectal adenomas. McLeod RS (University of Toronto Site Investigator); Merck Frosst Canada and Company ($100,000 2000 - 2001).


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

HONOURS RECEIVED

Gallinger S: Lloyd S.D. Fogler Award, October 2000.


DIVISION OF ORTHOPAEDIC SURGERY

Dr. R.S. Bell - Professor
Dr. E.L. Boynton - Assistant Professor
Dr. A.E. Gross – Professor (Division Head)
Dr. C.R. Hutchison - Assistant Professor
Dr. F. Langer - Associate Professor
Dr. D. MacIntosh - Associate Professor
Dr. J.S. Sandhu – Assistant Professor
Dr. E.A. Silverstein - Assistant Professor
Dr. J.S. Wunder - Assistant Professor

PUBLICATIONS


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES

Bell RS: Brown University School of Medicine/Rhode Island Hospital, Providence, Rhode Island, April 2001. (1) Defining molecular targets for sarcoma therapy, (2) Radiation/surgery for soft tissue sarcoma.


Gross AE: Jornada de Revision Sobre Artroplastia Total de Cadera (Zimmer), Gijon, Spain, March 2001. (1) Revision arthroplasty of the acetabulum with restoration of bone stock, (2) Revision arthroplasty of the femur: Classification and surgical options.


Gross AE: University Zurich-Irchel, Zurich, Switzerland, October 2000. (1) Revision knee arthroplasty: Bone substitution in TKR, (2) Revision hip arthroplasty: Large fragment allografts.

RESEARCH AND INVESTIGATIONS


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


HONOURS RECEIVED


DIVISION OF PLASTIC SURGERY

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


RESEARCH AND INVESTIGATIONS

Senior Investigator’s Name Appears in Italics


ST. JOSEPH'S HEALTH CENTRE

Dr. D. Jones – Surgeon-in-Chief

HEADS OF DIVISIONS

Dr. T. Harmantas – General Surgery
Dr. M. Kliman – Orthopaedic Surgery
Dr. R. Levine – Plastic Surgery
Dr. E. Spratt – Thoracic Surgery
Dr. A. Marcuzzi - Urology

Dr. E. Spratt completed his term as Chief of Staff this year and Dr. A. Harmantas was appointed Chief of Staff effective April 1, 2001. Dr. Harmantas is also Head of the Division of General Surgery and Chair of the Medical Advisory Committee.

Dr. D.P. Jones finished his six-year term as Surgeon-in-Chief, Department of Surgery and Medical Director, Surgical Program. A search committee has been formed.

Dr. S. Feinberg, a colorectal surgeon, joined the Division of General Surgery in September 2000 and was appointed Director of Medical Education. He left the St. Joseph’s Health Centre on April 1, 2001 to return to North York General Hospital.

During 2000-2001, Dr. D. Wooster served as Secretary of the Medical Staff Association at the St. Joseph’s Health Centre and Dr. C. Compeau was Treasurer. In June 2001, Dr. Wooster became Vice-President of the Medical Staff Association and Dr. Compeau became Secretary.

Dr. D. Wooster was elected President of the Canadian Society for Vascular Surgery for a one-year term starting September 2000. In 2001, Dr. Wooster became Continuing Medical Education Section Editor for the vascular website of the American Association for Vascular Surgery.
Dr. R. Hart, who specializes in hepatopancreaticobiliary surgery, joined the Division of General Surgery on March 1, 2001. His office is located in the Sunnyside Wing at the St. Joseph’s Health Centre.

Dr. D. Szalay was appointed Director of Medical Education at the St. Joseph’s Health Centre effective April 1, 2001.

Dr. G. McDonald retired on October 31, 2000, after serving as an orthopaedic surgeon at the St. Joseph’s Health Centre for 44 years. He joined our staff in 1956 and was Head of the Division of Orthopaedic Surgery from 1983 to 1992.

Dr. R. Levine continues as Program Director of the Division of Plastic Surgery, University of Toronto.

After receiving a Master’s in Public Health degree from Harvard School of Public Health in 2000, Dr. L. Kasrai joined the Division of Plastic Surgery at the St. Joseph’s Health Centre in July 2000. She has a special interest in pediatric plastic surgery.

DIVISION OF GENERAL SURGERY

Dr. M. Baida – Assistant Professor
Dr. S. Feinberg - Lecturer
Dr. T. Harmantas – Assistant Professor (Division Head)
Dr. R. Hart - Lecturer
Dr. D. Lindsay - Lecturer
Dr. R. Louch - Lecturer
Dr. D. Szalay - Lecturer
Dr. D. Wooster – Associate Professor

PUBLICATIONS

INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


Wooster DL: University of Montreal, Montreal, Quebec, November 2000. (1) Canadian carotid duplex survey, (2) Perspectives on CPD.

DIVISION OF ORTHOPAEDIC SURGERY

Dr. M. Kliman – Lecturer (Division Head)
Dr. G. McDonald - Lecturer
Dr. M. Roscoe - Lecturer
Dr. G. Vincent - Lecturer
Dr. M. Wood - Lecturer

DIVISION OF PLASTIC SURGERY

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

INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES

DIVISION OF THORACIC SURGERY

Dr. C. Compeau - Lecturer
Dr. D. Jones – Associate Professor
Dr. E.H. Spratt – Associate Professor

DIVISION OF UROLOGY

Dr. A. Marcuzzi – Lecturer (Division Head)
  Dr. V. Bojanowski -
  Dr. U. Jain - Lecturer
  Dr. A. McLean - Lecturer
  Dr. J. H. Wait - Lecturer
ST. MICHAEL’S HOSPITAL

Dr. E. Poulin – Surgeon-in-Chief

HEADS OF DIVISIONS

Dr. L. Errett – Cardiac Surgery
Dr. M. Burnstein – General Surgery
Dr. R. Moulton – Neurosurgery
Dr. E. Schemitsch – Orthopaedic Surgery
Dr. J. Mahoney – Plastic Surgery
Dr. J. Honey – Urology
Dr. M. Ameli – Vascular Surgery

It was April 6, 1998 when the Programs and Services of The Wellesley-Central Hospital were formally transferred to the St. Michael’s Hospital in accordance with the Ontario Health Services Restructuring Commission’s direction. On July 18, 2001 the current and former staff of the The Wellesley-Central Hospital and the St. Michael’s Hospital commemorated the official closing of The Wellesley-Central Hospital on the front lawn of the site. This celebration honoured the end of an era and an important part of Toronto’s history.

As part of this process, over twenty major renovation projects are still underway at the Bond Street site at the St. Michael’s Hospital. More importantly, an additional four new floors to the Victoria Wing are almost completed. Two state-of-the-art minimally invasive surgery operating theatres should be ready for Labour Day 2001 and the construction of five new operating rooms for a separate ambulatory surgery service has commenced.

One of the most significant events has been the selection of Dr. Arthur Slutsky as Vice-President of Research at the St. Michael’s Hospital. After a long external review process, the St. Michael’s Hospital has elected to focus its area of research in Inner City Health, Critical Care and Clinical Epidemiology: All of which are aligned with the directions of the Institute and strategic plan of the hospital. This
reaffirms the hospital’s commitment to research as an organizational priority.

Some of Department’s personal accomplishments this year at the St. Michael’s Hospital included: Dr. John Bohnen was cross-appointed to the Department of Health Administration at the University of Toronto. Dr. Robin Richards is President of the Canadian Orthopaedic Research Society and Secretary of the Canadian Orthopaedic Association. At the end of this academic year, he was also selected to become Surgeon-in-Chief at the Sunnybrook and Women’s College Health Sciences Centre. Dr. Tim Daniels has been appointed as Associate Editor of the Journal of Foot and Ankle International. Dr. Lee Errett, Division of Cardiac Surgery, was named Honorary Professor, Shandong Jinan University, Province of China.

The addition of The Wellesley-Central Hospital clinical programs to the St. Michael’s Hospital programs has already had a very positive affect on the academic productivity of the members of the Department of Surgery. The future is bright for the St. Michael’s Hospital: The recent alignment of research priorities with the programmatic structure of the hospital bodes well for the future. The St. Michael’s Hospital has great plans for its academic future and notwithstanding the usual political and fiscal crises in health care, the members of the Department of Surgery are looking forward to these developments.

DIVISION OF CARDIAC SURGERY

Dr. D. Bonneau - Associate Professor
Dr. D. Courtman – Assistant Professor
Dr. L.E. Errett - Assistant Professor (Division Head)
Dr. Y. LeClerc - Assistant Professor
Dr. J.K.Y. Yao - Assistant Professor

INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES

Errett LE: Shandong Provincial Qianfoshan Hospital, Shangdong, China, April 2001. (1) Beating heart surgery, (2) Cardiac angiogenesis.

Errett LE: Regina Cardiac Society, Regina, Saskatchewan, September 2000. (1) Beating heart surgery: Is it complete?, (2) Socio-economic status is a risk factor in cardiac surgery even in a universal comprehensive health care system.


Errett LE: Stikeman Visiting Professor, Montreal General Hospital, Montreal, Quebec, June 2001. Lessons learned in beating heart surgery: A review of 500 cases.


Errett LE: Catholic Medical Centre, Seoul, Korea, October 2000. (1) New advances in mechanical valves, (2) Lessons learned in beating heart surgery, (3) Gene therapy in CABG.


Errett LE: International Society of Cardio-thoracic Surgeons, Vancouver, British Columbia, August 2000. (1) Socioeconomic status is a risk factor in cardiac surgery even in a universal comprehensive healthcare system, (2) Staphylococcus aureus nasal carriage is a factor in sternal infection that can be treated.

RESEARCH AND INVESTIGATIONS

Senior Investigator's Name Appears in Italics


Improving outcome in patients with severe ventricular dysfunction that undergo CABG’s with complete nutritional supplement: Myovive. *Errett L, Jeejeebhoy F, Barr A, Freeman M, Hutchison S, Mazer D: ($100,000 1999 - 2000).*


DIVISION OF GENERAL SURGERY

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. Schlaacta - Lecturer

PUBLICATIONS


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES

Advanced trauma life support provider course.

Advanced trauma life support provider course.


Poulin EC: World Congress of High-Tech Medicine, Hanover, Germany, October 2000. Laparoscopic splenectomy for hematologic malignancy.


RESEARCH AND INVESTIGATIONS

Senior Investigator's Name Appears in Italics


HONOURS RECEIVED


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. H.S. Smyth - Assistant Professor
Dr. W.S. Tucker - Associate Professor

PUBLICATIONS


Rothman A; Cusimano MD: Assessment of English proficiency in international medical graduates by physician examiners and standardized patients. Medical Education: June 2001: 35: pp 1-5.


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


RESEARCH AND INVESTIGATIONS
Senior Investigator's Name Appears in Italics


Smart hockey brain and spinal cord injury program. Tator C, Cusimano MD, Amendola A, Burke C: JOFA Sports ($100,000 2001).


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 - Assistant Professor
Dr. R.R. Richards - Professor
Dr. E.H. Schemitsch - Associate Professor (Division Head)
Dr. J.P. Waddell - Professor

PUBLICATIONS


Annual Report


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


Bogoch ER: Association d'orthopedie, Montreal, Quebec, November 2000. (1) Anomalies osseuses dans l'arthrite rhumatoide: Signification dans le traitement chirurgical des pathologies du membre inferieur, (2) Les principes de traitement de l'arthrite rhumatoide du membre superieur.


Bogoch ER: Ontario Orthopaedic Association, Toronto, Ontario, November 2000. (1) Diagnosis and management of osteoporosis in orthopaedic practice, (2) Reconstruction of the hip and knee in juvenile rheumatoid arthritis.


Daniels TR: University of Saskatchewan, Saskatoon, Saskatchewan, August 2000. (1) Midfoot trauma, (2) Surgical management of Charcot arthropathy.


Schemitsch EH: International Society for Fracture Repair, University of Tromso, Tromso, Norway, August 2000. (1) Blood flow in reamed and unreamed locked intra-medullary nailing, (2) Reamer design: Is it important?


Schemitsch EH: International Society for Fracture Repair, Hong Kong, September 2000. Association for the rational treatment of fractures.

Schemitsch EH: University of Montreal, Montreal, Quebec, November 2000. Visiting professor.


RESEARCH AND INVESTIGATIONS

Senior Investigator's Name Appears in Italics


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


A randomized trial comparing total elbow arthroplasty to open reduction, internal fixation for displaced intra-articular distal humeral fractures in the elderly. McKee MD, Schemitsch EH, Kreder HJ: Zimmer Canada Incorporated ($20,000 2000 - 2002).

A randomized trial of internal fixation versus arthroplasty for displaced distal humeral fractures. McKee MD, Schemitsch EH: Zimmer Canada Incorporated ($20,000 2000).


A randomized, prospective clinical trial of arthroplasty versus internal fixation for comminuted fractures of the distal humerus in elderly patients. McKee M: Canadian Orthopaedic Trauma Society/American Orthopaedic Trauma Association ($30,000 2001 - 2003).


An investigation of Osteoset T for the management of osteomyelitis in long bones. Schemitsch EH, McKee MD: Wright Medical ($60,000 1999 - 2001).


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: Division of Orthopaedic Surgery Research Committee. ($10,000 2001 - 2002).


HONOURS RECEIVED


Schemitsch EH: Best Poster, International Society for Fracture Repair, Hong Kong, September 2000.

Schemitsch EH: Best Poster, Orthopaedic Trauma Association, October 2000.
Waddell JP: Outstanding Achievement Award, University of Alberta, September 2000.

DIVISION OF PLASTIC SURGERY

Dr. L.G. Douglas - Assistant Professor
Dr. J.L. Mahoney - Associate Professor (Division Head)
Dr. W.J. Peters - Professor of Surgery

PUBLICATIONS


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES

Mahoney JL: Ross Memorial Hospital, Lindsay, Ontario, October 2000. Soft tissue infections and fistulae.


Peters WJ: Canadian Society of Aesthetic Plastic Surgery, Montreal, Quebec, September 2000. Late complications after breast augmentation with silicone gel breast implants.

Peters WJ: Visiting Professor, University of Manitoba, Winnipeg, Manitoba, November 2000. (1) Problem cases in aesthetic plastic surgery, (2) Problems with breast implants, (3) Capsular calcification after silicone gel and saline-filled breast implants, (4) Late unilateral breast enlargement after silicone gel breast implants, (5) To explant or not: Considerations, (6) Complications after breast augmentation with silicone gel breast implants.

RESEARCH AND INVESTIGATIONS

Senior Investigator’s Name Appears in Italics


**HONOURS RECEIVED**

**Peters WJ:** Elected to American Association of Plastic Surgeons, June 2001.

**DIVISION OF UROLOGY**

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

**PUBLICATIONS**


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


RESEARCH AND INVESTIGATIONS


SUNNYBROOK AND WOMEN'S COLLEGE
HEALTH SCIENCES CENTRE

Dr. Bernard Goldman - Surgeon-in-Chief

HEADS OF DIVISIONS

Dr. S.E. Fremes – Cardiac Surgery
Dr. S. Hanna – General Surgery
(Sunnybrook Campus)
Dr. T. Ross – General Surgery
(Women’s College Campus)
Dr. M. Schwartz – Neurosurgery
Dr. J. Cameron – Orthopaedic Surgery
(Orthopaedic and Arthritic Campus)
Dr. T. Axelrod – Orthopaedic Surgery
(Sunnybrook Campus)
Dr. J. Semple – Plastic Surgery
Dr. L. Klotz – Urology
Dr. R. Maggisano – Vascular Surgery

Introduction

The Department of Surgery of the Sunnybrook and Women’s College Health Sciences Centre is now fully integrated across its three campuses with some surgeons working at two sites, i.e. Orthopaedics, Plastics and Urology. An external review of the Department was conducted by Drs. Lazar Greenfield and Ken Harris prior to the search process for a new Surgeon-in-Chief. Dr. Robin Richards was selected and appointed to commence July 1, 2001. Shortfalls in anesthesia coverage result in cancelled operating lists at both the Sunnybrook and Orthopaedic and Arthritis campuses on occasion. Internal hospital restructuring has resulted in a focus on five clinical service priorities (musculoskeletal, trauma, cardiac, perinatal, gynaecology and cancer) and resources will be gradually re-allocated to serve those priorities. Traditional operating room management is to be re-configured and support services at all three sites. While there have been problems regarding undergraduate education (lack of PBL tutors, missed or re-
booked seminars), postgraduate resident training is considered a valuable experience at the Sunnybrook and Women’s College Health Sciences Centre across all services. Re-organization and expansion of critical care as a hospital department, with increased level II capacity, is in progress.

**Academic Honors and Teaching Awards**

Dr. Sender Herschorn (Urology) was appointed Director of Continuing Professional Development for the University Department of Surgery and, more recently, appointed as Chair of the University Division of Urology. Dr. Peter Chu was designated as Clinical Clerkship Co-ordinator for the Sunnybrook campus. Dr. Lesley Carr assumed responsibility for maintenance of certification requirements for surgical staff. Drs. Terry Axelrod and Sender Herschorn have together been honored with the Peters-Boyd Academy Teaching Award for Clinical Teaching. Dr. Joel Fish was awarded the P.A.I.R.O. Award for Teaching Excellence for two of the past three years and, as well, was presented with the Arnis Freiberg Award in recognition of outstanding contributions to plastic surgery resident education. The A.W. Harrison Awards for Resident Teaching (selected by the clerks) were awarded to Drs. Melinda Musgrave, Brian Gilbart, Linda Dvali, Jakesh Suri, Ben Chew, Yasser Botros and Stephan Mostowy. Dr. Peeter Poldre received the Dr. Marvin Tile Distinguished Service Award of the Department of Surgery for his contributions to surgical education. Dr. Bernard Goldman received the Dr. Marvin Tile Award for his contributions to the Department of Surgery. Dr. Terry Axelrod assumed the position of Vice-Chair of the Royal College of Physicians and Surgeons of Canada Fellowship Examination Board in Orthopaedic Surgery. Dr. Ron Kodama received the prestigious Faculty Aitkins Award for Undergraduate Education. Dr. Sherif Hanna was appointed Head of Surgical Oncology at the Sunnybrook and Women’s College Health Sciences Centre and the Toronto-Sunnybrook Regional Cancer Centre. Drs. Claire Holloway and Lavina Lickley played leading roles in the four-and-a-half million dollar C.F.I. grant for the multi-disciplinary Breast Cancer Research Centre. Dr. Carrie Whyne (Orthopaedics) received significant grants from C.F.I. and the Natural Sciences and Engineering Research Council. Dr. Jeffrey Fialkov (Plastic Surgery) received the Dean’s Fund Competition for New Staff Grants Award from the Faculty Research Grants Committee, as well as the W.K. Lindsay Award in recognition of significant contributions to the nurturing of plastic surgery residents’ research. Dr. Andrew Smith (General Surgery) has received the Dean’s Fund Competition for New
Staff Grants Award and, as well, was Acting Director of Surgical Oncology during the past academic year. Dr. Sender Herschorn (Urology) won the 1999-2000 Division of Urology Award for the Best Resident Teacher, and Dr. Andrew Smith also received the Bio Chem Pharma Award from the Banting Research Foundation, as well as an Operating Grant from the Sunnybrook Trust for Medical Research. Dr. Lesley Carr successfully obtained funding for a Women’s Pelvic Health Centre.

Cardiac Surgery

The Division of Cardiac Surgery at the Sunnybrook and Women’s College Health Sciences Centre has undergone major changes this past year, primarily due to the opening of a new non-academic cardiac surgical unit in Mississauga in November 2000. The Sunnybrook and Women’s College Health Sciences Centre trained the Trillium Health Centre anesthetists, intensive care physicians and operating staff, and members of the Sunnybrook and Women’s College Health Sciences Centre cardiac surgical team, including experienced operating room and ward nurses, perfusion technologists, nurse managers and nurse educators, anesthetists and intensivists echocardiography technologists, ward clerks and former secretaries transferred to the Trillium Health Centre. As well, two of the Sunnybrook and Women’s College Health Sciences Centre cardiac surgeons, Drs. Gopal Bhatnagar and Charles Cutrara relocated to Mississauga. Dr. Bhatnagar was selected as the new Chief of the unit. We are confident that the experienced former Sunnybrook and Women’s College Health Sciences Centre staff will ensure that the Trillium Health Centre matures into an independent cardiac unit very quickly.

It has been an enormous challenge to cope with all of these personnel changes to our cardiac surgical unit. In spite of this (as well as a reduction of one operating room day per week for budgetary reasons), we have been able to maintain our clinical volume. In fact, we completed 1,255 cases in the fiscal year 2000, which is more than any previous year, and approximately 50 more than the fiscal year 1999. This is a great tribute to all of the Sunnybrook and Women’s College Health Sciences Centre staff.

The Division is very grateful to Drs. Avdesh Mathur (Sudbury) and David Latter (St. Michael’s Hospital) for their contributions to Sunnybrook and Women’s College Health Sciences Centre’s clinical program. We have also had the pleasure of bringing Dr. Shalom...
Silberman, a former fellow, who is currently a practising cardiac surgeon in Jerusalem, to work at the Sunnybrook and Women’s College Health Sciences Centre for the month of May.

The Division has been very active in the supervision of graduate students this past year. Dr. Freme is the primary supervisor of one research fellow from the Toronto program, Dr. Hari Mallidi, who is doing clinical studies on arterial revascularization towards his M.Sc./Ph.D. Dr. Freme is on the thesis committees of four other students. Two students, Dr. Gideon Cohen and Joan Ivanov R.N. M.Sc., successfully defended their Ph.D. thesis this past year, while the other two students, Dr. Paul Fedak and Dr. Jennifer Sargeant, both from the cardiac program, are in the first year of their graduate work.

The Division has been very successful scholastically this past year. Dr. Christakis has been an invited speaker at a symposium of the American College of Chest Physicians concerning stentless aortic valves. He has presented papers at both the Society of Thoracic Surgeons and the American Association of Thoracic Surgeons meetings concerning left ventricular mass regression following aortic valve replacement and the results of a randomized trial comparing stentless and stented aortic valves, and is invited to present at a plenary session of the American Heart Association in November 2001. As well, the results of the multi-centre insulin cardioplegia trial were presented at the American Association of Thoracic Surgeons. Dr. Freme was invited to speak at a plenary session of the American Heart Association about the state of the art of coronary surgery in November 2000. His work about the intensive care unit stay and the long-term effects following warm cardioplegia were presented at the Canadian Cardiovascular Society and the American Heart Association. Dr. Freme was an internal reviewer for the Heart and Stroke Foundation of Canada and an invited reviewer for the Department of Veterans’ Affairs.

Sunnybrook and Women’s College Health Sciences Centre is one of two sites in Canada for the clinical evaluation of a new device to perform intra-operative angiography using fluorescent dye. Dr. Freme is a co-applicant of a successful multi-disciplinary health research grant by Jack Tu for evaluation of report card medicine.

Each of the members of the Division has had significant administrative roles this past year. Dr. Goldman is completing his term as Surgeon-in-Chief at the Sunnybrook and Women’s College Health Sciences Centre. Dr. Christakis has had multiple hospital responsibilities as
Head of SHUTC. Dr. Frenes was appointed Division Head of Cardiac Surgery at Sunnybrook and Women’s College Health Sciences Centre in January 2000. Dr. Frenes has also been Acting Chair of the University Division of Cardiac Surgery since September 2000 as Dr. Weisel is on a medical leave-of-absence. The residency program was reviewed April 2001 and granted full approval. Dr. Frenes has recently been re-appointed Medical Director of the Cardiovascular Intensive Care Unit.

The Division of Cardiac Surgery has gone through some difficult transitions this past year. We are in a process of rebuilding, which will allow the Division to achieve even greater clinical and academic success in the upcoming years.

**General Surgery**

General Surgery at the Sunnybrook Campus continued its focus on trauma and oncology. In the area of trauma, our Program was strengthened by the recruitment of Dr. Peter Chu on July 1, 2000 and by the appointment of Dr. Fred Brenneman as the Vice-President of the Trauma Program, effective July 1, 2000. Dr. Chu has contributed greatly to undergraduate education and he is the Sunnybrook Clerkship Co-ordinator. Dr. Chu has also been involved with the Office of International Health and spent two months (January and February 2001) in Galmi Hospital in Niger, West Africa. Drs. Hensley Miller and Sherif Hanna continued to support the Trauma Program.

Within oncology there is a continued focus on breast cancer and GI cancers, especially hepatobiliary malignancies and colorectal cancer. Dr. Andrew Smith was appointed Acting Head of Surgical Oncology at Sunnybrook and Women’s College Health Sciences Centre and the Toronto-Sunnybrook Regional Cancer Centre on January 1, 2001. Plans are underway to recruit additional surgical oncologists, one in hepatobiliary and GI, and one in breast cancer. At the Canadian Society of Clinical Oncology meeting in April 2001, there was a strong academic input from the Surgical Oncology group at the Sunnybrook and Women’s College Health Sciences Centre where one-third of all the papers were presented by our group.

The Surgical Flow Through Unit (level II care) has been successful over the past year in caring for critically ill patients. The Medical Director of this unit is Dr. Sherif Hanna and he is assisted in this task by Drs. Andrew Smith and Hensley Miller.
Dr. Sherif Hanna was an Invited Professor to Nanjing, China to teach modern techniques of liver surgery.

We have also become one of two sites of training for the University of Toronto Fellowship Training Program for general surgical oncology.

The general surgical group at the Women’s College Campus continued their excellent work focusing on women’s health issues, especially breast cancer. Drs. Lavina Lickley and Claire Holloway published papers and held research grants in breast cancer. Dr. Ted Ross focused on colorectal surgery and sphincter reconstruction for post-partum injury to the rectal sphincter. Dr. George Hiraki received excellent ratings for his undergraduate teaching. On April 1, 2001, the Emergency Department at the Women’s College Campus became an Ambulatory Urgent Centre.

Neurosurgery

The Division of Neurosurgery has been active in four out of the five Clinical Priorities Services at the Sunnybrook and Women’s College Health Sciences Centre. In the Trauma Clinical Service Priority, nearly 500 surgical procedures were carried out and a number of scientific publications on various aspects of trauma were produced. Dr. Mahmood Fazl co-authored a textbook chapter on cranioplasty in collaboration with the plastic surgeons. Dr. Michael Schwartz was a collaborator on publications regarding the acute management of traumatic brain injury (hypothermia) and aspects of behavior following significant brain injuries. He also made invited presentations to the American College of Surgeons meeting regarding mild head injury and to the Ontario Trial Lawyers Association regarding the sequelae of spinal cord injury.

Dr. David Houlden was successful in securing peer-reviewed funding to evaluate somatosensory evoked potentials in predicting the outcome in comatose patients with brain injuries. Dr. Rajiv Midha was the principal author of a basic science research publication regarding rat nerve allografts for peripheral nerve injury and was successful as the principal investigator in obtaining peer-reviewed funding for research in this area. He and Dr. Schwartz were collaborators with imaging research and were successful in obtaining peer-reviewed funding to study behavioral changes in patients after traumatic brain injury.

In the Musculoskeletal Clinical Service Priority, the Division of
Neurosurgery was clinically active in spinal surgery, with nearly 400 patients operated upon. Dr. Houlden made presentations to the American Association of Neurological Surgeons and the Fifth International Neurotrauma Symposium regarding monitoring of patients undergoing spinal surgery using neurophysiological methods. Dr. Midha was a collaborator on a publication regarding diastematomyelia.

In the Oncology Clinical Service Priority, Neurosurgery was active, undertaking more than 300 operations for cancer. Dr. David Rowed was the co-principal author of a publication on cerebrospinal fluid leaks in acoustic neuroma surgery and Dr. Schwartz had a poster comparing fractionated versus single-dose radiosurgery for vestibular schwannomas at the American Association of Neurological Surgeons annual meeting.

The Division of Neurosurgery was also active in the Cardiac and Vascular Clinical Service Priority with a total of more than 100 cerebrovascular procedures. Dr. Schwartz was a collaborator on a publication regarding the management of unruptured intracranial aneurysms and presented a novel method of MR angiography for radiosurgery planning in the treatment of brain arteriovenous malformations to the Society de Neurochirurgie de langue francaise.

Overall, this has been an active year for the Division of Neurosurgery. We look forward to a bright academic future at the Sunnybrook and Women’s College Health Sciences Centre for our Division.

Orthopaedic Surgery (Sunnybrook Campus)

The combined divisions of Orthopaedic Surgery at the Orthopaedic and Arthritic Campus and the Sunnybrook Campus have officially merged into the Orthopaedic and Arthritic Institute, the official title of the Musculoskeletal Program of the Sunnybrook and Women’s College Health Sciences Centre. Dr. Terry Axelrod was appointed Head of the Combined Division. Dr. John Cameron remains Vice-President of the Musculoskeletal Program.

As a maturation of the amalgamation process continues, we have moved towards shared elective operating time at both sites, combined teaching and education rounds and research endeavors.

All members of the Sunnybrook Campus served as co-chairs of the
Biannual Toronto AO Principles of Fracture Management and the Advanced Controversies in Fracture Care courses in November. The course, as usual, was an outstanding success.

Dr. David Stephen also co-chaired the Contemporary Concepts of Trauma Care Program in Whistler, British Columbia in May.

Dr. Hans Kreder and colleagues were the recipients of multiple research awards in their endeavors to analyze the outcomes of orthopaedic and trauma surgery.

Dr. Joel Finkelstein has continued to build up the already extensive database in spine trauma significantly, serving as a basis for analysis of treatment rendered. In the Biomechanics Laboratory there is an ongoing evaluation of a dynamic cervical spine plate fixation system and of percutaneous vertebroplasty. Dr. Finkelstein has established the University of Toronto Greater Toronto Area Spine Interest Group, which brings together academic and community orthopaedic surgeons and neurosurgeons with a special interest in spine.

Dr. Joseph Schatzker was the invited guest of the Argentinian Orthopaedic Trauma Association, the Polish Orthopaedic and Trauma Society, the Italian Society of Orthopaedic Surgery and Traumatology, the Finnish Society for Orthopaedics and Traumatology, the Polish Orthopaedic Society and the University of Lviv in the Ukraine. Dr. Schatzker was honored as the First Howard Rosen Memorial Lecturer at the Hospital for Joint Diseases in February. Dr. Schatzker was made an honorary member of the Polish and of the Finnish Orthopaedic and Trauma Associations.

Dr. Marvin Tile continues in his active role as Chair of the Sunnybrook Foundation, now in his final term.

Orthopaedic Surgery (Orthopaedic and Arthritic Campus)

The Orthopaedic and Arthritic Campus is involved in undergraduate and postgraduate training programs. These focus on clinical fellowship training, orthopaedic electives for family practice residents, and continuing education for practicing orthopaedic surgeons. Prior to the amalgamation, there was no formal involvement in the University of Toronto Orthopaedic Residency Training Program. One of the faculty, Dr. John Murnaghan, holds a Master’s degree, which focused on priorities in undergraduate orthopaedic education.
Efforts are underway to expand undergraduate teaching activities through participation in the undergraduate curriculum (ASCM teaching and clerkship seminars) and by offering focused electives in the undergraduate calendar. Effective July 2000, orthopaedic residents have the opportunity to undertake the final year elective at the Orthopaedic and Arthritic Campus. The Institute is pursuing the establishment of focused training for orthopaedic residents in arthroscopic surgical techniques. Dr. Hamilton Hall, Head of the University of Toronto Spine Service, is leading the development of an integrated service within the Sunnybrook and Women’s College Health Sciences Centre and the University. City-Wide Spine Rounds and integrated orthopaedic surgery/neurosurgery Spine Rounds at the Orthopaedic and Arthritic Campus have been initiated. The Spine Learning Centre continues to offer focused two-day workshops in advanced spinal surgery techniques that combine didactic lectures, case presentations/discussion and cadaveric sessions. The Centre offers four to six courses a year, which are attended by surgeons from throughout North America. To support the Maintenance of Certification Program of the Royal College, the Orthopaedic and Arthritic Campus has established a three to five day mini fellowship in Joint Replacement/Revision Surgery that is consistent with the self-directed learning category. In addition, internal teaching rounds have been reformatted to meet the requirements of the Self-Accreditation Program.

**Plastic Surgery**

The Division of Plastic Surgery at the Sunnybrook and Women’s College Health Sciences Centre has had a very productive year in research, teaching and clinical activities. The Division of Plastic Surgery continues to fully participate in and support trauma, oncology and musculoskeletal programs. The Ross Tilley Burn Centre continues to rise as a leader in treatment of burn care, as well as in research. This year the Ross Tilley Burn Centre had the highest number of abstract submissions to the American Burn Association from a single institution. The Craniofacial Centre is now the largest adult craniofacial centre in Canada. It also has established itself as a significant resource for the entire province of Ontario. Under the direction of Dr. Antonyshyn, both he and Dr. Jeff Fialkov continue with innovative research including imaging technology and tissue engineering.

The Advanced Regenerative Tissue Engineering Centre has been established at the Sunnybrook and Women’s College Health Sciences
Centre and the University of Toronto, Department of Chemical Engineering and the Institute of Biomaterials and Biomedical Engineering. Our goal is to become the leading tissue engineering and regeneration research group in North America by providing a unique opportunity to integrate basics applied in clinical research to solve major issues in burns, trauma and soft tissue reconstruction from cancer ablation. Our industrial clinical and principal investigators will develop new materials and therapeutic strategies for use in soft tissue reconstruction and regeneration. New technology will be rapidly introduced into the clinical area as in the hospital focus of transitional medicine. The outcomes will be significantly enhanced patient quality-of-life, development of world class new researchers and the creation of high skill jobs in Ontario through stimulation of technology and development in the private and health care sectors.

We have been successful in securing industry funding and are expecting the results of a pending Ontario Research Development Challenge Fund application in the very near future. The principals in this Centre are Dr. John Semple, Director, Dr. Kim Woodhouse, Associate Director, Dr. Jeff Fialkov, Principal Investigator, Dr. Joel Fish, Principal Investigator, Dr. Rajiv Midha, Principal Investigator.

**Surgical Oncology**

Within the Gastrointestinal Site Group, we are moving towards a state of having a critical mass of academically oriented surgeons. The last year, significant momentum was gained by creation of a Surgical Oncology Research Group. The effect of this was seen at the recent Canadian Society of Surgical Oncology meeting where five presentations had complete or partial authorship from the Sunnybrook and Women’s College Health Sciences Centre investigators. Additionally, the colorectal cancer database continues to flourish and will start to bear fruit. Finally, an extensive effort has been made to expand Continuing Medical Education efforts, which is highlighted by TORSO (Toronto Surgical Oncology Rounds), which is co-ordinated from the Sunnybrook and Women’s College Health Sciences Centre. This has been embraced by Cancer Care Ontario as the official “voice of surgical oncology” in this area. Additionally, we are major participants in the training of surgical oncology fellows for the University of Toronto Surgical Oncology Program.
Trauma (Including the Burn Unit)

The Trauma Program at the Sunnybrook and Women’s College Health Sciences Centre opened twenty-five years ago and continues to be the largest trauma unit in Canada, managing over 900 severely injured patients last year. The Trauma Program serves the greater Toronto area and south central Ontario, but is looked upon by physicians across Ontario, the public, and the Ministry of Health as the leader in trauma care for the province. In fact, many of the most severely injured trauma patients are sent from other geographic regions to the Sunnybrook and Women’s College Health Sciences Centre for management of complex pelvic ring and acetabular fractures, craniofacial reconstruction (Division of Plastic Surgery), peripheral nerve injuries, head injuries, spinal fractures, penetrating trauma and aortic disruptions, to name a few. The Trauma Program also provides leadership in trauma care, both nationally and internationally. Educational experiences and research opportunities attract students, residents and fellows.

The Trauma Program is multi-disciplinary and involves members of numerous departments beyond Surgery including Emergency Medicine and Anesthesia, and all divisions within the Department of Surgery. Dr. Peter Chu, a trauma general surgeon, started at the Sunnybrook and Women’s College Health Sciences Centre in July 2000. He has an academic interest in undergraduate and postgraduate teaching, as well as international health. Recruitment in orthopaedics and neurosurgery will further enhance the clinical and academic profile of the Trauma Program. The Sunnybrook and Women’s College Health Sciences Centre Trauma Program was well represented at the recent joint meeting of the Trauma Association of Canada and the Australasian Trauma Society in Sydney, Australia, held in March 2001. Sunnybrook and Women’s College Health Sciences Centre’s researchers presented six research papers and gave three invited talks.

The Second Annual Sunnybrook and Women’s College Health Sciences Centre Trauma Nursing Conference was held on February 21, 1001. The one-day conference attracted 200 nurses from both the Sunnybrook Trauma Program and from across the province.

The Ross Tilley Burn Centre at the Sunnybrook and Women’s College Health Sciences Centre is an important component of the Trauma Program and is the largest burn unit in Canada, responsible for caring for 90% of all major burn injuries in the province of Ontario. The Burn Unit provides acute resuscitation, critical care, and rehabilitative and
reconstructive care to burn patients. Led by Dr. Joel Fish, the clinical care, educational experiences and research productivity is unmatched in this country. The Ross Tilley Burn Centre provides learning opportunities not only for its University of Toronto students, but also for academic centres provincially, nationally and internationally. Dr. Massey Beveridge is a new recruit to the Burn Program. His interests include international health, a new focus at the University of Toronto. The Trauma Program has considerable expertise in the development, implementation, and management of trauma injury prevention programs, and the inclusion of a comprehensive burn injury prevention initiative is in keeping with this focus.

Urology

Members of the Division of Urology continued to demonstrate strong academic productivity. Dr. Laurence Klotz, Division Head, is active in national and international cancer organizations. He is Chair of the Canadian Uro-Oncology Group, the National Cancer Institute of Canada GU Group, and the Global GU Group. He is the Editor-in-Chief of the Canadian Journal of Urology, which was indexed this year by Index Medicus. He is the principle investigator on several national and international trials in prostate cancer. He has a peer-reviewed research grant from the Prostate Cancer Research Foundation of Canada to continue his studies of cell cycle regulation in prostate cancer in the laboratory. This year he founded the Canadian Urology Research Consortium of which he is the Chair. Dr. Lesley Carr has been successful in obtaining funding for a Women’s Pelvic Health Centre at the Sunnybrook and Women’s College Health Sciences Centre. This novel centre will offer comprehensive, multi-disciplinary and complementary therapy, and have a major research focus. Dr. Neil Fleshner continued his leadership in prostate cancer prevention. He is the principle investigator for an international trial of micronutrients in prostate cancer prevention, and collaborates with Dr. Klotz in the study of the effect of micronutrients on the cell cycle in prostate cancer. He is the recipient of a National Cancer Institute of Canada grant for his prevention studies. Dr. Sender Herschorn is the Director of the annual University of Toronto Urology Update, the largest urology continuing medical education event in Canada each year. He continues his research activity in the areas of urinary incontinence and complex urological reconstruction. In collaboration with Dr. Carr, he has written a chapter on the surgical treatment of stress incontinence for the upcoming edition of Campbell’s Urology, the standard textbook of urology. Dr. Ron Kodama continues his major focus in education. He
is Program Director for the University Urology Program and was the recipient this year of the prestigious Faculty Aitkins Award for Undergraduate Education. He represents Toronto on the Royal College Examination Committee, and is the National Co-ordinator for MOCOMP for the Canadian Urological Association.

Vascular Surgery

Vascular Surgery has maintained its strong clinical commitment and has continued to develop its research activity. It now supports two clinical research fellows through the Surgical-Scientist Training Program. Dr. Mohammed Al-Omran and Dr. Lawrence are studying towards Master’s degrees in clinical epidemiology. The Carotid Endarterectomy Research Program (in collaboration with Dr. J. Tu at I.C.E.S.) has finished a complete audit of carotid endarterectomy performed over a five-year period in the Province of Ontario. This study, funded by the Heart and Stroke Foundation of Ontario, (6,250 patients) is the largest population-based study ever performed for carotid disease. The Division looks forward to analyzing and publishing the details of this audit. A similar regional cohort study looking at infrainguinal reconstructions is presently underway.

A large population-based study using administrative data has recently been completed and has defined the rates and trends of lower extremity revascularization in Ontario. In addition, we have determined the short-term and long-term outcomes of patients undergoing lower extremity revascularization on a population basis. The Division has recently established a prospective database for vascular procedures at the Sunnybrook and Women’s College Health Sciences Centre. Dr. Kucey has been appointed to the national executive of the Canadian Society for Vascular Surgery, and has been appointed as a member of a national panel studying appropriateness criteria for carotid endarterectomy. This two-man Division has been challenged by the time requirements to continue to carry on research, as well as carrying a full clinical load. Recent changes in the strategic direction of the hospital have placed further stresses on the academic and clinical productivity of the Division.
ORTHOPAEDIC AND ARTHRITIC CAMPUS

DIVISION OF ORTHOPAEDIC SURGERY

Dr. H.U. Cameron - Associate Professor
Dr. J.C. Cameron - Assistant Professor
Dr. M.H.G. Ford - Lecturer
Dr. J.D. Gollish - Lecturer
Dr. H. Hall - Professor
Dr. R.M. Holtby - Assistant Professor
Dr. B.W. Malcolm - Assistant Professor
Dr. P.H. Marks – Assistant Professor
Dr. J.J. Murnaghan - Assistant Professor
Dr. C.S. Wright – Assistant Professor

PUBLICATIONS


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


Hall H: Hong Kong Physiotherapy Association, Hong Kong, China, March 2001. Chronic pain syndrome.


RESEARCH AND INVESTIGATIONS

Open versus closed acromioplasty: A randomized controlled study.
Holby R: Hospital Research Fund/Department of Surgery Academic Fund ($24,000 1996 - 2000).


HONOURS RECEIVED

SUNNYBROOK CAMPUS

DIVISION OF CARDIAC SURGERY

Dr. G. Bhatnagar - Lecturer
Dr. G.T. Christakis - Associate Professor
Dr. C. Cutrara - Lecturer
Dr. S.E. Fremes - Assistant Professor (Division Head)
Dr. B.S. Goldman – Professor

PUBLICATIONS


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES

Christakis GT: American College of Chest Physicians, Cancun, Mexico, December 2000. (1) Comparison of stentless versus stented valves in the aortic position, (2) Results of aortic valve sparing operations.


RESEARCH AND INVESTIGATIONS
Senior Investigator's Name Appears in Italics


Canadian cardiovascular outcomes research team. Tu J, Fremes SE: Canadian Institutes of Health Research ($5,000,000 2001 - 2005).


The EXPEDITION trial (Na+/H+ exchange inhibition to prevent events in acute cardiac conditions). Fremes SE: Aventis Pharmaceuticals, Incorporated ($100,000 2001 - 2002).
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. Harrison – Professor
Dr. H.A.B. Miller - Associate Professor
Dr. A. Smith – Assistant Professor
Dr. G.A. Taylor - Associate Professor

PUBLICATIONS


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES

**Brenneman FD:** Trauma 2001 Conference, Sydney, Australia, March 2001. Damage control surgery.

**Hanna SS:** Kiwanis Club of Toronto North, Toronto, Ontario, December 2000. Lecture on China trip.


**Smith AJ:** Surgical Oncology Network Symposium, Toronto, Ontario, October 2000. Surgical management of liver metastases.

**Smith AJ:** Focus on Gastrointestinal Oncology: 2000 Update on Digestive Diseases for Physicians and Surgeons, Toronto, Ontario, November 2000. Surgical management of liver metastases.


**Smith AJ:** Canadian Institutes of Health Research, Toronto, Ontario, June 2001. Opportunities and strategic directions: Initiatives in colorectal cancer research.
RESEARCH AND INVESTIGATIONS

Senior Investigator's Name Appears in Italics


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)

PUBLICATIONS


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


**Midha R:** Congress of Neurological Surgeons, San Antonio, Texas, September 2000. (1) Cadaveric course, (2) Exposure and surgery of the peripheral nerves, (3) Supra-clavicular exposure of the brachial plexus, (4) Seminar: Surgical management of brachial plexus pathology, (5) Management of brachial plexus injuries.


**Midha R:** American Association of Neurological Surgeons/Canadian Association of Neurological Surgeons, Phoenix, Arizona, February 2001. (1) Controversies in peripheral nerve disorders, (2) Course director: Management of nerve injuries.


**Schwartz ML:** American College of Surgeons, Toronto, Ontario, April 2001. Mild head injury: Diagnostic criteria for discharge.

**Schwartz ML:** Ontario Trial Lawyers Association, Toronto, Ontario, October 2000. The pathology and the sequelae of injury to the spinal cord made easy.

**RESEARCH AND INVESTIGATIONS**

*Senior Investigator’s Name Appears in Italics*


DIVISION OF ORTHOPAEDIC SURGERY

Dr. T.S. Axelrod - Associate Professor *(Division Head)*
Dr. G.R. Fernie - Professor
Dr. J.A. Finkelstein - Assistant Professor
Dr. P.J. Holliday - Research Associate
Dr. G.A. Hunter - Professor
Dr. H.J. Kreder - Assistant Professor
Dr. S. Lewis – Lecturer
Dr. B.E. Maki – Associate Professor
Dr. J. Schatzker – Professor
Dr. D. Stephen - Assistant Professor
Dr. M. Tile - Professor
Dr. C. Whyne - Assistant Professor

PUBLICATIONS


**Randle JA, Kreder HJ, Hu R, Stephen D, Jaglal S, Williams J:**

**INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES**

**Fernie GR:** Unicamp Conference on Alternative Augmentative Communication and Mobility, Sao Paulo, Brazil, November 2000. Keynote address.

**Maki BE:** Tampa Veterans Administration, Tampa, Florida, January 2001. Control of limb movements to preserve postural balance: Age-related impairment and implications for fall prevention.

**Maki BE:** National Consensus Conference on Fall Prevention, Tampa, Florida, January 2001. Invited participant.

**Whyne C:** Lawson Research Institute, University of Western Ontario, London, Ontario, March 2001. (1) Biomechanics of burst fracture, (2) Cancer in the spine.

**Whyne C:** Discover Engineering Conference, Ryerson University, Toronto, Ontario, May 2001. Discover engineering: Perspectives from the field.

**Whyne C:** Discover Engineering Program, Ryerson University, Toronto, Ontario, July 2000. Discover engineering: Perspectives from the field.

**RESEARCH AND INVESTIGATIONS**

*Senior Investigator's Name Appears in Italics*

A multi-processor workstation for finite element analysis to investigate the biomechanics of the metastatically involved thoracic spine. *Whyne C: Natural Sciences and Engineering Research Council* ($25,612 2001 - 2002).*


Development of Rocket (wheelchair) seating. Fernie GR: Nimble Incorporated/National Research Council ($150,000 2000).


Organization of international conference on technology and aging. *Fernie GR:* *Ministry of Health and Long-Term Care* ($100,000 2001).


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 Ministry of Energy, Science and Technology/Ontario Seniors’ Secretariat* ($150,000 2000 - 2001).


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**DIVISION OF PLASTIC SURGERY**

Dr. O. Antonyshyn - Assistant Professor  
Dr. M. Beveridge – Assistant Professor  
Dr. P. Binhammer - Lecturer  
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


Antonyshyn OM: University of Montreal, Montreal, Quebec, May 2001. (1) 3D imaging, modeling and virtual reality in craniofacial surgery, (2) Craniofacial skeletal reconstruction: Outcomes.


RESEARCH AND INVESTIGATIONS

Senior Investigator’s Name Appears in Italics


Comparison of allevyn versus acticoat as a skin graft donor site dressing. Cartotto R, Innes M: Research and Development Health Research Foundation/Canadian Institutes of Health Research ($4,048 2000).


HONOURS AND AWARDS RECEIVED


DIVISION OF UROLOGY

Dr. L.K. Carr - Lecturer
Dr. N.E. Fleshner – Assistant Professor
Dr. S. Herschorn - Professor
Dr. L.H. Klotz – Professor (Division Head)
Dr. R.T. Kodama - Assistant Professor

PUBLICATIONS


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES

**Fleshner N:** Trinity College, Dublin, Ireland, September 2000. Innovators in urology: Biomarkers of oxidative stress in prostate cancer.

**Fleshner N:** Canadian-Mexican Uro-Oncology Congress, Ixtapa, Mexico, January 2001. Prostatic intraepithelial neoplasia and progression: Where are we now?

**Fleshner N:** Visiting Professor, University of Manitoba, Winnipeg, Manitoba, April 2001. Role of nutrition in prostate cancer.

**Fleshner N:** Southwest Oncology Group, San Francisco, California, April 2001. Strategy to obtain aboriginal participation in the select trial.

**Herschorn S:** Cleveland Clinic Urological Institute, Cleveland, Ohio, October 2000. (1) This is her bladder on drugs, (2) Moderator panel: Medical treatment of over-active bladder, (3) Panellist: What I do surgically for my patients and why, (4) Debate: Bladder instability is not a risk factor for failure of SUI surgery, (5) Urethral diverticula.


**Herschorn S:** New Brunswick Urology, Fredericton, New Brunswick, September 2000. (1) Advances in the management of urinary incontinence, (2) Treatment of over-active bladder.

**Herschorn S:** Hamilton Area Urologists, Hamilton, Ontario, February 2001. Urinary incontinence: Medical and surgical treatment advances.

**Herschorn S:** Visiting Professor, Division of Urology, Laval University, Quebec City, Quebec, September 2000. Advances in urinary incontinence.
**Herschorn S:** Department of Urology, Memorial Sloan-Kettering Cancer Center, New York, New York, January 2001. Challenges in urologic reconstruction.


**Klotz LH:** Brookline University Hospital, Brooklyn, New York, October 2000. Controversies in androgen ablation for prostate cancer.

**Klotz LH:** Pittsburgh Medical Society, Urology Division, Pittsburgh, Pennsylvania, October 2000. Current practice and evidence-based medicine in hormone therapy for prostate cancer.

**RESEARCH AND INVESTIGATIONS**

*Senior Investigator's Name Appears in Italic*

A clinical study to evaluate the safety and efficacy of the Conticare™ female continence device in women with stress urinary incontinence. *Herschorn S: Conticare ($10,000 2000-2001).*

A double-blind, placebo controlled, randomized study of combination Vitamin E, selenium and soy products in patients with high-grade prostatic intraepithelial neoplasia. *Fleschner N, Klotz L, Redelmeier D, Szalai J: National Cancer Institute of Canada ($430,000 2001-2003).*

A multi-centre international open label study of the efficacy and safety of controlled release darifenacin in the treatment of subjects with overactive bladder. *Herschorn S: Pfizer ($15,000 2000-2001).*

A multi-centre prospective cohort study to evaluate the safety and effectiveness of the AMS Invance™ male sling fixation system for the treatment of ISD incontinence secondary to TURP or radical prostatectomy. *Herschorn S: American Medical Systems ($35,000 2001-2002).*
Anti-oxidants and markers of oxidative stress in prostate cancer. 


A phase IIIb at-home use study evaluating the efficacy and safety of apomorphine SL (Uprima*) 3 mg, escalating to 4 mg or decreasing to 2 mg, in the treatment of patients with erectile dysfunction. Herschorn S: Abbott Laboratories ($30,000 2000-2001).

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).

A randomized, double-blind, placebo-controlled study of the safety and efficacy of IC351(LY450190) administered “on demand” to patients with male erectile dysfunction. Herschorn S: Eli Lilly ($35,000 1999-2000).

A randomized, double-blind, placebo-controlled, multi-centre, 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 Incorporated ($35,000 2001).


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 Incorporated ($45,000 1999-2001).


**HONOURS AND AWARDS RECEIVED**

**Herschorn S:** Peters-Boyd Academy Clinical Teaching Award, University of Toronto, May 2001.

**Herschorn S:** A.W. Bruce Division of Urology Undergraduate Teaching Award, University of Toronto, May 2001.

**Kodama R:** Aitkins Award for Undergraduate Teaching. May 2001.

**Kodama R:** A.W. Bruce Undergraduate Teaching Award, University of Toronto, Division of Urology. April 2001.

**Kodama R:** Postgraduate Teaching Award, University of Toronto, Division of Urology. May 2001.
DIVISION OF VASCULAR SURGERY

Dr. D.S. Kucey - Assistant Professor
Dr. R. Maggisano - Assistant Professor (Division Head)

PUBLICATIONS


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


RESEARCH AND INVESTIGATIONS

Senior Investigator's Name Appears in Italics

WOMEN'S COLLEGE CAMPUS

DIVISION OF GENERAL SURGERY

Dr. G.Y. Hiraki - Assistant Professor
Dr. C.M.B. Holloway - Assistant Professor
Dr. H.L.A. Lickley - Professor
Dr. T.M. Ross - Associate Professor (Division Head)

PUBLICATIONS


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES

Lickley HLA: Canadian Cancer Society, Scarborough Unit of the Pink Ribbon Breakfast, September 2000. Breast cancer prevention.

RESEARCH AND INVESTIGATIONS

Senior Investigator's Name Appears in Italics


HONOURS RECEIVED

Ross TM: E.B. Tovee Undergraduate Education Award, May 2001, University of Toronto, Department of Surgery.

DIVISION OF PLASTIC SURGERY

Dr. M.H. Brown - Assistant Professor
Dr. J. Semple – Associate Professor (Division Head)

PUBLICATIONS


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


RESEARCH AND INVESTIGATIONS
Senior Investigator's Name Appears in Italics


HONOURS AND AWARDS RECEIVED

TORONTO EAST GENERAL HOSPITAL

Surgeon-in-Chief – Dr. L.J. Harrington

The past year has been a very positive year for the Toronto East General Hospital. The hospital completed its building plan and the Minister of Health and Long-Term Care, the Honorable Tony Clement, officially opened the hospital’s new three-story addition: New maternal, newborn and child health centre; a new state-of-the-art surgical suite and a new complex continuing care service. The grand opening celebration was held June 25, 2001. It is anticipated that the new three-story addition will bring new and enhanced services to the East York community. Plans are also underway to create new on-site physician office space. The old interns’ residence will be demolished and a new building constructed to house administration, physicians’ offices and additional space for the Department of Radiology, including the housing of an MRI suite.

Mr. Ron Mulchey has completed his three-year term as the hospital Chief Executive Officer. Ms. Janet Davidson, formerly Executive Vice-President and Chief Operating Officer has replaced him.

The Department of Surgery continues to provide postgraduate training for family practice and emergentology residents. As well, it remains a popular teaching centre for postgraduate surgical trainees in general surgery and orthopaedic surgery.

Dr. Ian Harrington completed his second five-year term as Head of the Division of Orthopaedic Surgery, December 1999. Dr. Gianni Maistrelli was appointed the new head of the Division of Orthopaedic Surgery January 1, 2000. Dr. Harrington also completed his term as Surgeon-in-Chief on June 30, 2001. Dr. Harrington was recognized for his contributions to the Toronto East General Hospital at the hospital’s Staff Appreciation Dinner on May 28, 2001. The new Surgeon-in-Chief is Dr. Laura Tate, Past-President of the Medical Staff Association, Toronto East General Hospital.
The hospital was saddened by the death of Dr. William Charles Forder, past Head of the Division of Urology at the Toronto East General Hospital, a beloved friend, colleague and respected surgeon. Dr. Forder died July 26, 2000.

Dr. Paul Bernick was appointed to the Division of General Surgery July 1, 2000. Dr. Bernick’s sub-specialty is colorectal surgery. Dr. Bernick was appointed Lecturer, Department of Surgery, Division of General Surgery, University of Toronto July 2000.

Dr. Peter Kalman was appointed to the Division of Vascular Surgery July 1, 2000. He previously was a vascular surgeon at the University Health Network. He participated in a number of invited visits and lectures, including the Pan American Congress on Vascular and Endovascular Surgery in Rio de Janeiro, Brazil, December 7, 2000, the Canadian Winter Vascular Symposium, discussing saccular aortic aneurysms, Mount Tremblant, Quebec on February 16, 2001, and the Pennsylvania Hospital Vascular Symposium in Philadelphia, Pennsylvania, March 23, 2001 on techniques in treating mesenteric artery stenosis.

Dr. Gianni Maistrelli participated in the Challenge in Total Hip Replacement in Madrid, Spain on June 14, 2000, presenting his work on hydroxyappetite coatings in total hip implants. He also participated in the Strategies in Hip and Knee Joint Reconstruction Symposium in Toronto in June of 2000 and discussed the results of hydroxyappetite-coated stems and the importance of hip offset at the University of San Juan, San Juan, Puerto Rico, January 25, 2001. He was also a participant in the Sunoma State Orthopaedic Society Annual Meeting in San Carlos, Mexico on June 1, 2001 discussing cementless hip arthroplasty and acetabular revision surgery.

Dr. Paul Wong remains active in orthopaedic research with recent publications related to the management of acetabular defects in hip revision surgery, using roof ring re-enforcement and allograft techniques.

Dr. Wayne Tanner was a member of the Ontario Medical Association team that negotiated a new contract with the Ministry of Health for Ontario physicians in May 2000, including an agreement for the payment of physicians and surgeons for emergency work. He remains Chair of the Specialists Coalition of Ontario and Section Chair for Vascular Surgery of the Ontario Medical Association.
Dr. Gary Stoik has resigned from the Department of Surgery and continues to work as a thoracic surgeon in Addis Ababa.

Dr. Robert MacMillan completed his term as Head of the Division of Urology on June 30, 2001. He remains active in urological research, participating in studies related to the use of cranberry extract in the prevention of urinary tract infections in spinal cord injured patients, Sildinafil for erectile dysfunction and BPH Alufuzosin in the treatment of acute urinary retention.

Dr. Tom Gilas, Division of General Surgery, remains active with Surginet, a venue for international communication among surgeons. Dr. Gilas was instrumental in establishing the Surginet program.

The Department of Surgery remains interested in obtaining the services of a pediatric general surgeon in order that the hospital can fulfill its responsibilities as a Level 2 pediatric facility.

It is anticipated that the Department of Surgery of the Toronto East General Hospital will continue to be a postgraduate teaching centre for family practice, emergentology, general surgery and orthopaedic surgery residents.
FACULTY

Dr. T.W. Barrington - Assistant Professor – Orthopaedic Surgery
Dr. P. Bernick – Lecturer – General Surgery
Dr. V. Campbell – Lecturer – Vascular Surgery
Dr. D.C. Evans - Assistant Professor – Orthopaedic Surgery
Dr. T. Gilas – Assistant Professor – General Surgery
Dr. I.J. Harrington - Associate Professor – Orthopaedic Surgery
Dr. P.G. Kalman - Associate Professor – Vascular 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. G. Stoik – Assistant Professor – General Surgery
Dr. W. Tanner – Lecturer – Vascular Surgery
Dr. P.J. Weiler – Assistant Professor – Orthopaedic Surgery
Dr. P. Wong – Lecturer – Orthopaedic Surgery
Dr. R. Zeldin – Assistant Professor – General Surgery

PUBLICATIONS


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


Kalman PG: Vascular and Endovascular Issues, Techniques and Horizons, New York, New York, November 2000. (1) Hemodialysis access salvage: Are there cost implications?, (2) Should AAAs less than 5.5 cm in diameter be repaired?: Should our practice be influenced by the availability of endovascular grafts?


Maistrelli GL: University of San Juan, San Juan, Puerto Rico, January 2001. (1) Results of HA-coated stems, (2) The importance of hip offset.


RESEARCH AND INVESTIGATIONS

Senior Investigator's Name Appears in Italics


UNIVERSITY HEALTH NETWORK

Dr. B.R. Taylor, James Wallace McCutcheon Professor
– Surgeon-in-Chief

HEADS OF DIVISIONS

Dr. T. David – Cardiac Surgery
Dr. O.D. Rotstein – General Surgery
Dr. M. Bernstein – Neurosurgery
Dr. J.R. Davey – Orthopaedic Surgery
Dr. P. Neligan – Plastic Surgery
Dr. R. Ginsberg – Thoracic Surgery
Dr. M. Jewett – Urology
Dr. K.W. Johnston – Vascular Surgery

The University Health Network, with its newly appointed Chief
Executive Officer, Tom Closson, began an important planning process,
part of which was devoted to the definition of program groupings
within the three hospitals. Surgical specialties were extremely well-
represented in the seven program groupings; Transplantation,
Cardiovascular diseases, Neurosciences and Visual Sciences,
Community and Population Health, Oncology and Blood Disorders,
Musculoskeletal Health and Arthritis, and Advanced Medical and
Surgical Diseases. Excellent recruitment and continued academic
productivity marked the past year.

Cardiac Surgery

Clinical volumes and quality of outcomes, such as risk-adjusted
operative mortality rate in coronary artery bypass grafting, were once
again outstanding. In addition, operative mortality rates and morbidity
for valve surgery rank among the best in North America. Despite these
heavy clinical activities, the division members remained academically
productive, with Chris Feindel, Linda Mickleborough, Charles
Peniston, Richard Weisel, and Terry Yau securing peer-reviewed
funding from the Canadian Institutes of Health Research and the Heart
and Stroke Foundation. In addition, Drs. Feindel, Mickleborough,
Peniston, Yau and David all held industrial grants. Dr. Chris Feindel received the Ross Fleming Award for surgical teaching at the University Health Network. Dr. Tirone David was re-elected Secretary of the American Association for Thoracic Surgery, and was also given the annual Achievement Award from the Canadian Cardiovascular Society. Dr. Richard Weisel received the Research Achievement Award from the Canadian Cardiovascular Society, and Dr. Hugh Scully was inducted into the Canadian Motorsport Hall of fame.

General Surgery

The Division of General Surgery welcomed no fewer than four new recruits to collaborate with surgeons at the Toronto General Hospital, the Princess Margaret Hospital, the Toronto Western Hospital and Mount Sinai Hospital. Dr. Lloyd Smith became Director of Minimally Invasive Surgery, and his appointment was an important factor in attracting Dr. David Urbach to the Minimally Invasive Surgery program after completing a clinical fellowship year with Dr. Lee Swanstrom in Portland. The Department of Surgical Oncology at the Princess Margaret Hospital recruited Dr. Alan Dackiw as a surgical oncologist specializing in endocrine tumors, and Dr. Phil Haigh as an oncologist experienced in radioguided surgery.

The Multi-OrganTransplant Group initiated a program in living-related liver transplantation, completing over 30 grafts successfully by the end of the academic year. Dr. Richard Reznick was awarded the prestigious James Fourth Travelling Fellowship, and Dr. Lorne Rotstein took over as sole Program Director in the Division of General Surgery, steering the University division throughout the successful Royal College review in April. Dr. Ori Rotstein was appointed Director of the Institute of Medical Science for a five-year term. One notable event was the retirement from active clinical practice of Dr. Bernie Langer, who continued into his second year as President of the Royal College of Physicians and Surgeons of Canada. We trust Bernie will remain active in counselling clinicians, researchers and administrators at our hospital and university for years to come.

As of July 1, 2000, Dr. John Marshall was promoted to Full Professor.
Neurosurgery

Division members held research grants from the Canadian Institutes of Health Research, the National Institutes of Health, and a variety of other agencies. The members boasted a large number of visiting professorships. Andres Lozano became secretary-elect of the Movement Disorder Society, and Charles Tator was honoured with the Penfield Lectureship of the Congress of Canadian Neurological Surgeons. The Compeau Chair was announced, with Dr. Charles Tator as the first holder.

Dr. Michael Fehlings was promoted to Full Professor on July 1, 2000.

Orthopaedic Surgery

In the program groupings methodology at the University Health Network, orthopaedic surgery was an important part of the new Musculoskeletal Health and Arthritis grouping. Dr. Stephen Lewis returned as an orthopaedic surgeon in the Spine Program.

Research grants were held by Dr. Rod Davey (Canadian Orthopaedic Foundation); Dr. Nizar Mahomed (Medical Research Council of Canada, the Arthritis Society, Physicians Services Incorporated Foundation, Canadian Orthopaedic Foundation, National Institutes of Health, Anaemia Institute for Research and Education, Canadian Arthritis Network, Smith and Nephew Canada); and Dr. Raj Rampersaud (Physicians Services Incorporated Foundation, Dean's Fund).

Dr. Tony Miniaci was Chair of the subsection of sports medicine for the Canadian Orthopaedic Association, and Dr. Nizar Mahomed became Program Director of the new Musculoskeletal Health and Arthritis group. Dr. Rod Davey continued as Chair of the Clinical Quality Committee for the University Health Network.
Plastic Surgery

The members of this Division continued as collaborators in a variety of surgical fields. Dr. Peter Neligan remains an integral part of the reconstructive aspects of oncology and the living-related liver transplant program with his hepatic microvascular anastomosis support. Dr. Dimitri Anastakis and Dr. Brent Graham continue to support the multi-disciplinary Hand Program at the Toronto Western Hospital site. Other specialty areas, such as facial reanimation and aesthetic surgery, are components of this multi-faceted Division.

Dr. Dimitri Anastakis served as the Director of Surgical Services at the Toronto Western Hospital site, while continuing his educational research. Members of the Division received research funding from the Canadian Institutes of Health Research, The Hospital for Sick Children Foundation and W.S.I.B. Dr. Arnie Freiberg won the Outstanding Educator Award from the Society of Surgical Education in recognition of his outstanding teaching contributions.

Thoracic Surgery

Dr. Bob Ginsberg was appointed Head of the Division of Thoracic Surgery at the University Health Network and Chair of the Division at the University of Toronto in January 2001. He brings a wealth of administrative experience and expertise in oncology to the Division and the University.

Thoracic surgeons maintained research funding with the National Cancer Institute of Canada, the National Sanatorium Association of Canada, the Canadian Cystic Fibrosis Foundation, the Canadian Institutes of Health Research and the Physicians Services Incorporated Foundation.

Division members gave a large number of scientific presentations and invited lectures during the year. Dr. Shaf Keshavjee was named one of the top 50 alumni from the University of Toronto. Dr. Mingyao Liu was promoted to Associate Professor.

Urology

Division members continued their funded research activities, with grants held by Drs. Michael Jewett, Lori Burrows, Magdi Hassouna and
John Trachtenberg in the fields of uro-oncology, biomaterials and infection and neurourology.

Clinical highlights involved the development of laparoscopic donor nephrectomy, laparoscopic radical prostatectomy, and the maturation of the Prostate Centre at the Princess Margaret Hospital.

Dr. Sid Radomski won the surgical skills teaching award. This year the Brazilian Ball was held in support of Prostate cancer research at the Princess Margaret Hospital, and was a resounding success.

Vascular Surgery

The Division members endured the departures of Dr. Peter Kalman and Dr. Paul Walker during the academic year, but maintained their position of academic vascular surgery pre-eminence in the country. All three surgeons, Drs. Wayne Johnston, Barry Rubin and Tom Lindsay continued their grants with the Canadian Institutes of Health Research, and the Physicians Services Incorporated Foundation respectively.

Dr. Wayne Johnston gave three named lectures during visiting professorships, and was Editor-in-Chief for the Journal of Vascular Surgery. Dr. Tom Lindsay was promoted to Associate Professor, was given a teaching award from the Wightman-Berris Academy, and was named President of the Peripheral Vascular Surgical Society.
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. H.E. Scully - Professor
  Dr. R.D. Weisel - Professor
  Dr. T.M. Yau - Assistant Professor

PUBLICATIONS


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


David TE: Symposium on Cardiac Bioprostheses, Cancun, Mexico, November 2000. Debate: Biological versus mechanical in patients below 70 years.


David TE: Ohio State University Medical Center, Columbus, Ohio, January 2001. Is there a future for the surgical Maze procedure?


David TE: Gentofte Hospital, Copenhagen, Denmark, May 2001. Surgery of the aortic root.


Li R-K: Electro-Anatomy of the Heart, Hamburg, Germany, October 2000. (1) Chair, (2) Bone marrow cell transplantation.

Li R-K: Canadian Cardiovascular Society, Vancouver, British Columbia, October 2000. Can somatic cell transplantation induce myocardial angiogenesis?


**Li R-K:** University Medical Centre Utrecht, Utrecht, The Netherlands, October 2000. Cell transplantation: A novel treatment for the failing heart.

**Li R-K:** Japanese College of Cardiology, Osaka, Japan, September 2000. Myocardial cell transplantation.

**Li R-K:** Visiting Professor, Cardiovascular Institute, Fu Wai Hospital/Chinese Academy of Medical Sciences/Peking Union Medical College, Beijing, China, December 2000. The possible clinical application of cell transplantation for cardiovascular disease.

**Mickleborough LL:** Cardiologia 2000, Milano, Italy, September 2000. Results of re-vascularization in patients with severe ventricular dysfunction - EF ≤ 20%.

**Mickleborough LL:** C.C.S. Consensus Conference, Vancouver, British Columbia, October 2000. What is the role of aorto-coronary bypass grafting for coronary artery disease in women?

**Peniston CM:** Sulzer Medica Tropics 2001, Turks and Caicos, February 2001. How do we learn?

**Peniston CM:** Sino-American Cardiovascular Symposium, Guangdong, China, August 2000. The clinical experience with the Toronto SPV valve.

**Peniston CM:** York-Finch Hospital, Toronto, Ontario, February 2001. What's new in cardiac surgery?


**RESEARCH AND INVESTIGATIONS**

*Senior Investigator's Name Appears in Italics*


The expedition trial (Na+1H+ exchange inhibition to prevent events in acute cardiac conditions. Yau TM, Weisel RD: Adventis Pharmaceuticals Incorporated ($120,000 2001-2002).


HONOURS RECEIVED


Weisel RD: Research Achievement Award, Canadian Cardiovascular Society, October 2000.

DIVISION OF GENERAL SURGERY

Dr. M.S. Cattral - Associate Professor
Dr. A. Dackiw – Assistant Professor
Dr. R.M. Gorczynski – Professor
Dr. D. Grant - Professor
Dr. P.D. Greig – Professor
Dr. P. 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. L. Smith – Assistant Professor
Dr. B.R. Taylor – Professor
Dr. D. Urbach – Assistant Professor

PUBLICATIONS


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


Langer B: Hong Kong Academy of Medicine, Hong Kong, China, November 2000. A pilot project in regionalization of pancreatic cancer surgery based on volume outcome studies.


Marshall JC: Surgical Infection Society Europe, Gdansk, Poland, June 2001. Is sepsis a syndrome?

Marshall JC: Intensive Care Society, Bournemouth, United Kingdom, May 2001. Is the gut still the motor of multiple organ failure?


**Marshall JC:** Margaux Conference on Critical Illness, Margaux, France, November 2000. Microvascular coagulopathy and organ dysfunction in sepsis.


**Marshall JC:** American Society of Nephrologists Update Course, Toronto, Ontario, October 2000. Sepsis and the multiple organ dysfunction syndrome.

**Marshall JC:** Visiting Professor, Johns Hopkins University, Baltimore, Maryland, January 2001. The septic response in critical surgical illness.

**Marshall JC:** Visiting Professor, Jersey Shore Medical Center, Robert Wood Johnson Medical School, Neptune, New Jersey, February 2001. Transfusion strategies in critically ill surgical patients.


**McCready DR:** Royal College of Physicians and Surgeons of Canada, Edmonton, Alberta, September 2000. Surgical debate: Resolved: Breast surgical can be improved by axillary dissection.

**McCready DR:** Division of General Surgery City Wide Rounds, Edmonton, Alberta, May 2001. FNA sentinel node biopsy and neoadjuvant therapy: Will breast cancer surgery be relegated to salvage only?

**Reznick RK:** George W.B. Starkey Memorial Lectureship, Beth Israel Deaconess Medical Center, Boston, Massachusetts, September 2000. Are our residents ready to operate: How would we know?

**Reznick RK:** Departemente de Chirurgie de L’Universite de Montreal Journee Scientifique, Montreal, Quebec, November 2000. (1) Are our residents ready to operate: How would we know?, (2) Is education a bona fide career path for an aspiring academic surgeon?


Reznick RK: University of Iowa, Iowa City, Iowa, September 2000. (1) Medical education as a career path for clinicians, (2) Performance-based assessment.


RESEARCH AND INVESTIGATIONS
Senior Investigator's Name Appears in Italic


National surgical adjuvant breast and bowel project. *McCready DR: National Cancer Institute of Canada* ($51,000 2001)

Novel approaches to prevent islet allograft rejection. *Cattral MS: Canadian Diabetes Association* ($120,000 2000 - 2002).


**HONOURS RECEIVED**

**Langer B:** Elected President of the Royal College of Physicians and Surgeons of Canada, September 2000.

**Langer B:** Honorary Fellowship, Royal Australasian College of Physicians, May 2001.

DIVISION OF NEUROSURGERY

Dr. M. Bernstein – Professor (Division Head)  
Dr. K.D. Davis - Assistant Professor  
Dr. J.H. Eubanks - Assistant Professor  
Dr. M.G. Fehlings – Professor  
Dr. F. Gentili - Assistant Professor  
Dr. A. Guha - Associate Professor  
Dr. W.D. Hutchison - Assistant Professor  
Dr. A. Krassioukov - Assistant Professor  
Dr. A.M. Lozano - Professor  
Dr. J.A. Saint-Cyr - Associate Professor  
Dr. C.H. Tator - Professor  
Dr. M. Tymianski - Assistant Professor  
Dr. M.C. Wallace - Associate Professor

PUBLICATIONS


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


Bernstein M: Visiting Professor, Henry Ford Hospital, Detroit, Michigan, May 2001. Surgery for gliomas: The good, the bad, and the homely.

Bernstein M: Visiting Professor, Tel Aviv Medical Center, Tel Aviv, Israel, March 2001. The limits of surgery in the treatment of glial tumors.
**Fehlings MG:** AO Spine Course, Captiva Island, Florida, July 2000.  
(1) Spinal cord anatomy and common neurological syndromes,  

**Fehlings MG:** American Association of Neurological Surgeons, Toronto, Ontario, April 2001.  

**Fehlings MG:** Universite de Montreal, Montreal, Quebec, May 2001.  
Surgical trials in acute spinal cord injury.

**Fehlings MG:** Canadian Congress of Neurological Sciences, Halifax, Nova Scotia, June 2001.  
(1) Chair: Management of lesions of the cervicothoracic junction, (2) Anterior approaches to the cervicothoracic junction, (3) Chair debate: Neurosurgery, (4) Prospective multi-centre evaluation of the Codman semi-constrained anterior cervical plating system in 195 cases: Long-term evaluation of clinical and radiological outcomes with quantitative evidence for load sharing.

**Fehlings MG:** AO-ASIF Comprehensive and Interactive Spine Course, Tucson, Arizona, May 2001.  
**Fehlings MG:** AO North American Visiting Professor, Boston University School of Medicine, Boston, Massachusetts, April 2001. Neuro-protective agents.


**Fehlings MG:** Update on Disorders of the Spine, Whistler, British Columbia, January 2001. (1) Discussion: Hands on workshop, (2) Instructor: Hands on workshops on image-guided spine surgery, (3) Spine trauma: Should we decompress complete cord injuries?

**Fehlings MG:** Yonsei University College of Medicine, Seoul, Korea, November 2000. Surgical management of spinal cord injury,

**Fehlings MG:** Cervical Spine Research Society, Charleston, South Carolina, December 2000. (1) The cervical spine: Degenerative conditions, (2) Results of treatments of cervical afflictions in the worker’s compensation population.

**Fehlings MG:** Rachidian Society, Medical College of Wisconsin, Kona, Hawaii, February 2001. Novel developments in the pathophysiology and treatment of acute spinal cord injury: From gene to the operating room.

**Fehlings MG:** Society for Neurological Surgeons, Cleveland, Ohio, May 2001. Molecular approaches to target spinal cord injury.


Fehlings MG: Visiting Professor, McGill University, Montreal Neurological Institute, Montreal, Quebec, February 2001. Oligodendroglial apoptosis after spinal cord injury: Significance, mechanisms and potential role of the FAS death receptor.


Fehlings MG: Visiting Professor, University of Montreal, Montreal, Quebec, November 2000. Role of surgical decompression in spinal cord injury: From bench to bedside.

Fehlings MG: Visiting Professor, Stanford University Medical Center, Stanford, California, May 2001. (1) Resident teaching didactic session, (2) Current concepts in the pathophysiology and treatment of spinal cord injury: From gene to the operating room.

Krassioukov A: Miami University, Miami, Florida, March 2001. Abnormal cardiovascular control after spinal cord injury: Are changes in spinal autonomic circuits to blame?


Lozano AM: Shanghai International Workshop on Functional Neurosurgery and Imaging, Fudan University Huashan Hospital, Center of Functional Neurosurgery, Shanghai, China, November 2000. Movement disorder surgery and psycho-surgery.

Lozano AM: Neurosurgery Colombian Congress, Medellin, Colombia, August 2000. (1) Overview of the anatomy, physiology and pathophysiology of the basal ganglia, thalamus and the subthalamic nucleus, (2) Subthalamic nucleus stimulation for movement disorders, (3) Surgical management of tremor, (4) Thalamic and pallidal stimulation for movement disorders.

Lozano AM: Dystonia Medical Research Foundation, Atlanta, Georgia, December 2000. Surgery for dystonia.


Tator CH: International Neurotrauma Symposium, Garmisch-Partenkirchen, Germany, October 2000. (1) Retrograde and anterograde labeling of spinal cord tracts in the same animal as applied to spinal cord repair, (2) Spinal cord injury: Achievements and failures.


Tymianski M: University of Minnesota, Minneapolis, Minnesota, April 2001. Distinct signaling pathways in glutamate and non-glutamate mediated neuronal damage.

Wallace MC: Neuroradiology Symposium, Toronto, Ontario, June 2001. (1) Surgical approach to skull base dural AVF’s, (2) Team approach in the management of brain AVM patients.


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 Institutes of Health Research ($101,000 2001 - 2003).


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


Human studies of pain and temperature sensation. Davis KD: Medical Research Council of Canada ($251,314 1998 - 2001).


Lab support. Tator CH: Samuel Lunenfeld Charitable Foundation ($50,000 1999 - 2000)

Lab support. Tator CH: Canadian Paraplegic Association, Ontario Branch ($30,820 2000 - 2001)


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


HONOURS RECEIVED

Bernstein M: Bruce Tovee Award for Postgraduate Teaching, University of Toronto, Department of Surgery, May 2001.

Fehlings MG Award for Clinical Research, Cervical Spine Research Society December 2000.

Tator CH: Penfield Lecture Award, the Canadian Neurosurgical Society. April 2001.
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. Lewis – Assistant 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

PUBLICATIONS


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


Miniaci A: Visiting Professor, University of Nebraska Medical Center, Omaha, Nebraska, October 2000. (1) Articular cartilage injuries: Basic science and treatment options, (2) Massive rotator cuff tears: Current concepts and treatment techniques.


Miniaci A: Course: Diagnosis and Treatment of Knee Instability, Tamung, Guam, August 2000. (1) Chair, (2) Diagnosis and treatment of osteochondral defects, (3) Lab: Bioskills (2 presentations).

Miniaci A: Course: Princess Margaret Rose Orthopaedic Hospital, Edinburgh, Scotland, November 2000. (1) Faculty (2) Debate: There is no role for the arthroscopic management of full thickness tears of the rotator cuff, (3) The irreparable rotator cuff tear, (4) Arthroscopic stabilization using the caspari technique, (5) Failed instability surgery-what went wrong and what to do?, (6) Is there a role for capsular shrinkage in MDI?, (7) Shoulder pain in the throwing athlete-instability or impingement?


RESEARCH AND INVESTIGATIONS

Senior Investigator's Name Appears in Italics


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

Randomized controlled trial of inpatient versus home based rehabilitation following primary total hip and knee arthroplasty. 


HONOURS RECEIVED

Mahomed NN: Sanofi-Syntelabo Research Award, University of Toronto, Department of Surgery, Division of Orthopaedic Surgery, November 2000.

DIVISION OF PLASTIC SURGERY

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

PUBLICATIONS


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


Anastakis DJ: York University, Schulich School of Business, Toronto, Ontario, November 2000. Service operations and surgical programs overview.

Anastakis DJ: Southern Society of Clinical Surgeons, Toronto, Ontario, April 2001. Skills training outside the O.R.


RESEARCH AND INVESTIGATIONS
Senior Investigator's Name Appears in Italics


DIVISION OF THORACIC SURGERY

Dr. G.E. Darling - Associate Professor  
Dr. R.J. Ginsberg – Professor (Division Head)  
Dr. M.R. Johnston - Associate Professor  
Dr. S.H. Keshavjee - Assistant Professor  
Dr. M. Liu - Associate Professor  
Dr. M.F. McKneally - Professor  
Dr. T.K. Waddell - Assistant Professor

PUBLICATIONS


**Canadian Lung Oncology Group (including Johnston MR):**  


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


Liu M: The Toronto Critical Care Medicine Symposium, Toronto, Ontario, October 2000. Epithelial defense and LPS.


Liu M: MBR Cancer Center, West Virginia University, Morgantown, West Virginia, March 2001. Two novel adaptor type proteins and their role in mechano transduction.


McKneally MF: Harvard University Kennedy School of Government Health Policy Course, Boston, Massachusetts, November 2000. Lessons from the Shouldice Hospital.


RESEARCH AND INVESTIGATIONS
Senior Investigator's Name Appears in Italics


A phase III comparison between concurrent chemotherapy plus radiotherapy and concurrent chemotherapy and radiotherapy followed by surgical resection for Stage III a (n2) non-small cell lung cancer. Darling G: National Cancer Institute of Canada (Per patient $1,300 2001).

A randomized trial of mediastinal lymph node sampling versus complete lymphadenectomy during pulmonary resection in the patient with N0 or N1 (less than hilar) non small cell lung cancer. American College of Surgeons Oncology Group (including Darling G): (Per patient $1,500 2001).


Mechanisms of tumor cell invasion and metastasis of lung cancer cells. 

NF-kB activation: Regulation by proteins of the Bcl-2 family. 
*Waddell TK: Connaught New Staff Matching Grant* ($30,000 2001).

Novel biomarkers and screening strategies in early lung detection of lung cancer. 
*Tsao MS, Minden M, Banerjee D, Johnston MR, Shepherd F: C.I.T. ($300,000 2000 - 2002).*

Nutritional factors and gene-environment interactions in the etiology of adenocarcinoma of the esophagus. 

Oligo-nucleotide microarrays for the detection of non-small cell lung cancer. 
*Wigle D, Keshavjee S: Physicians Services Incorporated Foundation* ($20,000 2001).

Phase III chemo prevention 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 ($1,725 2001 - 2002).*

Protective effect of adenoviral-mediated IL-10 gene transfer on allograft transplant-induced airway lesions. 

Role of cytoskeleton in cytokine production from lung alveolar epithelial cells. 
*Liu M: Canadian Institutes of Health Research* ($190,000 2000 - 2003).

Study of the prognostic significance of occult metastases in the patients with resectable non-small cell lung carcinoma. 
*Darling G: American College of Surgeons Oncology Group* (Per patient $1,000 2000 - 2001).

The role of Bcl-2 family proteins in TNF-mediated NF-KB activation. 
The role of Bcl-2 family proteins in TNF-mediated NF-KB activation.  
Waddell TK: University of Toronto Life Sciences Committee ($35,000 2000 - 2001).


HONOURS RECEIVED


Waddell TK: Elsie Winifred Crann Memorial Trust Award, August 2000.

DIVISION OF UROLOGY

Dr. M. Beheshti - Lecturer
Dr. G. Farrow – Assistant Professor
Dr. M.A.S. Jewett – Professor (Division Head)
Dr. M. Hassouna - Associate Professor
Dr. S.B. Radomski - Assistant Professor
Dr. R. Rameseshan – Lecturer
Dr. M. Robinette - Associate Professor
Dr. J. Trachtenberg – Professor
Dr. J. Tsihlias – Assistant Professor

PUBLICATIONS


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


Radomski SB: Man to Man Prostate Cancer Support Group (Barrie Chapter), Barrie, Ontario, October 25, 2000. Taking control of your incontinence and erectile dysfunction.


Trachtenberg J: University of California Berkeley, Santa Monica, California, November 2000. (1) New concepts in androgen deprivation therapy (2) New hormonal therapies for prostate cancer.


Trachtenberg J: American Society of Clinical Oncology, San Francisco, California, May 2001. (1) Abarelix depot monotherapy reduces PSA levels comparable to leuprolide acetate plus bicalutamide results of a multi-centre trial of rising PSA, advanced (D1/D2), neo adjuvant hormonal therapy, and intermittent hormonal therapy prostate cancer patients, (2) Avoidance of FSH surge and maintained suppression of follicle-stimulating hormone with abarelix depot compared to leuprolide and bicalutamide in prostate cancer patients.


Trachtenberg J: University of California San Diego, Palm Springs, California, November 2000. New concepts in androgen deprivation therapy.


RESEARCH AND INVESTIGATIONS
Senior Investigator's Name Appears in Italics


Randomized controlled study of neo adjuvant reversible androgen withdrawal therapy in the surgical management of localized prostate cancer. Jewett MAS: Canadian Uro-Oncology Group ($64,000 1993 - 2001).

Strategic planning, priorities and partnership to promote transformative research in kidney/genitourinary tract disease and kidney transplantation in Canada. Whiteside C, Jewett MAS, Ludwin D: Medical Research Council, Canadian Institutes of Health Research ($50,000 1999 - 2000).

The role of intravesical capsacin in the management of neurogenic bladder of patients with spinal cord lesion. Hassouna M: Canadian Spinal Research Foundation ($45,000 1999 - 2000).


**HONOURS AND AWARDS**

**Radomski SB:** First Prize, Northeastern Section of the American Urological Association Essay Contest (Clinical): (with Matsumoto, Hamstra, Cusimano), September 2000.

**Radomski SB:** First Prize, Wyeth-Ayerst Canada Award in Medical Education and Clinical Epidemiology (with Matsumoto, Hamstra, Cusimano), April 2001.

DIVISION OF VASCULAR SURGERY

Dr. K.W. Johnston – Professor (Division Head)
Dr. P. Kalman – Associate Professor
Dr. T.F. Lindsay - Assistant Professor
Dr. B.B. Rubin - Associate Professor
Dr. P.M. Walker - Professor

PUBLICATIONS


**INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES**

**Johnston KW:** University of West Virginia, Charleston, West Virginia, October 2000. (1) Applications of the UK small aneurysm study data to clinical practice, (2) Errors in carotid Doppler duplex scanning.


**Johnston KW:** American College of Surgeons, Chicago, Illinois, October 2000. Discussion: Ethical issues involving the role of industry in surgical research and education.


**Johnston KW:** Uniformed Services University of the Health Sciences, Bethesda, Maryland, November 2000. Issues in current vascular surgery practice.


Johnston KW: Kenton Lecturer, Massachusetts General Hospital, Boston, Massachusetts, May 2001. What are realistic expectations for conventional open AAA repair in contemporary practice: The gold standard.


Kalman PG: Vascular and Endovascular Issues, Techniques and Horizons, New York, New York, November 2000. (1) Hemodialysis access salvage: Are there cost implications?, (2) Should AAAs less than 5.5 cm in diameter be repaired?: Should our practice be influenced by the availability of endovascular grafts?


Rubin BB: FEBS, Lisbon, Portugal, June 2001. p38 MAP kinase regulates group IIa phospholipase A2 expression in interleukin-1B stimulated cardiomyocytes.

RESEARCH AND INVESTIGATIONS

Senior Investigator's Name Appears in Italics


**HONOURS RECEIVED**

**Johnston KW:** Honorary Member, Southern Association of Vascular Surgery. 2001

**Lindsay TF:** The Wightman-Berris Academy Award for Individual Teaching Excellence. April 2001.

DIVISION OF ANATOMY

Dr. A. Agur - Associate Professor
Dr. B. Liebgott - Professor
Dr. C.M. Morshead - Lecturer
Dr. J.A. Saint-Cyr - Associate Professor
Dr. P.A. Stewart - Professor
Dr. I.M. Taylor - Professor
Dr. M.J. Wiley – Professor (Division Head)

INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


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).


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 2001-2002).
DIVISION OF BIOMEDICAL COMMUNICATIONS

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

AUTHORSHIP (Textbooks, Journals, Theses or Papers)


ILLUSTRATIONS (Textbooks, Journals)


MULTIMEDIA/HYPERMEDIA

New Media - Projection Media

Anastakis DJ: Biceps Reconstruction with Free Muscle Transfer. (1 illustration by Mackay MB).

Anastakis DJ: Donor Nerves for Neurotization of Brachial Plexus Injuries. (1 illustration by Mackay MB).
Manktelow RT: Static Sling Reconstruction of the Lower Eyelid. (3 illustrations by Mackay MB).

Manktelow RT: Use of Gold Weight for Lagophthalmos. (1 illustration by Mackay MB).

Manktelow RT: Depressor Labii Inferioris. (1 illustration by Mackay MB).

Interactive Media

Jenkinson J: The Neurological Exam website, Year I MD Program, Adjunct to Brain and Behaviour. Course Director: Stewart P. Authors: Hohol M, Stewart P.


Feature Film Storyboards


Television Movie Storyboards


Television Series Storyboards


HEALTH COMMUNICATIONS


INVITED PRESENTATIONS


Posters


RESEARCH AND INVESTIGATIONS


Health communication research laboratory in the Faculty of Medicine. Whiteside C, David D, Frecker R, Goel V, Wilson-Pauwels L, Reznick RD: Bell University Laboratories at the University of Toronto, ($250,000 2001)

**HONOURS RECEIVED**

**Lax L:** Certificate of Appreciation for Excellence in Teaching, Division of Biomedical Communications, University of Toronto, April 2001.

**Mazierski D:** Certificate of Appreciation for Excellence in Teaching, Division of Biomedical Communications, University of Toronto, April 2001.
RESEARCH IN EDUCATION

Dr. C.E. Bayliss – Professor
Dr. S.J. Hamstra - Assistant Professor

PUBLICATIONS

Bayliss CE, Ackermann U: Edith. Structure/Function Course, Case 1, University of Toronto, Faculty of Medicine, Toronto: 2000: pp 1-42.


Bayliss CE, Goldlist BJ, Senn JS: Mrs. Lively. Structure/Function Course - Case #2, University of Toronto, Faculty of Medicine, Toronto: 2000: pp 1-50.

Bayliss CE, Goode RC, Duffin J, Senn JS: Bart Giamatti. Structure/Function Course - Case #3, University of Toronto, Faculty of Medicine, Toronto: 2000: pp 1-42.

INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


RESEARCH AND INVESTIGATIONS

Senior Investigator's Name Appears in Italics


HONOURS RECEIVED

Bayliss CE: Mentor Award, Cardiovascular Collaborative Program, University of Toronto, February 2001.
EMERGENCY MEDICINE

Dr. P.A. Arnold - Assistant Professor  
(University Health Network)
Dr. J.C. Fallis - Assistant Professor  
(The Hospital for Sick Children)
Dr. L. Fulton - Lecturer  
(Sunnybrook and Women's College Health Sciences Centre)
Dr. B.A. McLellan - Associate Professor  
(Sunnybrook and Women's College Health Sciences Centre)
Dr. S. Reicheld - Instructor  
(University Health Network)
Dr. D. Saslove - Instructor  
(St. Michael's Hospital)
Dr. D. Williams - Assistant Professor  
(Sunnybrook and Women's College Health Sciences Centre)

RESEARCH AND INVESTIGATIONS

A feasibility study for a neurotrauma surveillance database in Ontario.  
Tator C, Cusimano M, Verrier M, Walker J, Williams J, McLellan B:  

An analysis and dissemination of current neurotrauma incidence and causal data in Ontario.  

Neurotrauma injury prevention project.  
Banfield J, McLellan BA:  
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 – Assistant Professor (Medicine)

Dr. J. Carson - Assistant Professor
(Family and Community Medicine)

Dr. A. Damyanovich – Assistant Professor (Medical Imaging)

Dr. J.E. Davies - Associate Professor (Dentistry)

Dr. A.M. Davis - Assistant Professor (Physical Therapy)

Dr. W.A. Demajo - Assistant Professor (Anesthesia)

Dr. D. DePetrillo - Professor (Obstetrics and Gynecology)

Dr. F. DiCosmo - Associate Professor (Botany)

Dr. R.J. Eby - Lecturer (Medicine)

Dr. V.L. Fornasier - Associate Professor
(Laboratory Medicine 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. Irvine – Associate Professor (Medicine)

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. A. McDonald - Assistant Professor (Medicine)

Dr. D.A.G. Mickle - Professor
(Laboratory Medicine and Pathobiology)

Dr. M. Milner - Professor (Rehabilitation Science)

Dr. W. Montanera - Assistant Professor (Medical Imaging)

Dr. S. Narod - Associate Professor (Public Health Sciences)

Dr. C.D. Naylor - Associate Professor (Medicine)

Dr. M. Ojh - Assistant Professor (Rehabilitation Science)

Dr. K.P.H. Pritzker - Professor
(Laboratory Medicine and Pathobiology)
Dr. R. Rameseshan – Lecturer (Radiation Oncology)
Dr. G. Regehr - Assistant Professor (Psychiatry)
Dr. P. Ritvo - Assistant Professor (Public Health Sciences)
Dr. A. Romaschin - Associate Professor (Laboratory Medicine and Pathobiology)
Dr. A.S. 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)

PUBLICATIONS


van Walraven CA, Austin P, Naylor CD: How much money could be saved if we switched all elderly Ontarians from vitamin B12 to oral supplementation? Canadian Family Physician: January 2001: 47: pp 79-86.


INVITED VISITS TO OTHER HOSPITALS/UNIVERSITIES


**Gullane PJ:** Menarini Course in Otolaryngology Laryngotracheal Stenosis, Sevilla, Spain, October 2000. (1) Subglottic tracheal stenosis: Surgical management and outcome, (2) Combined laryngo-tracheal stenosis: Outcome and analysis, (3) Posterior glottic stenosis: Is it treatable?


**Levy GA:** Tongji University Hospital, Wuhan, China, October 2000. Advances in diagnosis and treatment of patients with viral hepatitis B and C: Liver transplantation for hepatitis B and C and insights into the molecular basis of viral hepatitis.

**Levy GA:** Japan Liver Transplantation Study Group, Kyoto, Japan, July 2000. Hepatitis C and liver transplantation and optimal use and new possibility of neoral in liver transplantation.


**Levy GA:** Keio University, Keio, Japan, March 2001. Neoral C2 monitoring.


**Levy GA:** National Congress of Transplantation, Acapulco, Mexico, November 2000. Neoral C2 monitoring.
Levy GA: Visiting Professor, University of Zurich, Zurich, Switzerland, December 2000. Xeno-transplantation and neoral C2 monitoring.
Naylor CD: Van Den Ende Lecturer, University of Capetown, Capetown, South Africa, March 2001. (1) Evidence-based medicine: Necessary but not sufficient, (2) Overview of the Canadian health care system.
Pritzker KPH: Rice University, Houston, Texas, June 2001. Invited guest, Department of Chemistry.
Slutsky AS: McGill University, Montreal, Quebec, June 2001. (1) Systemic effects of ALI, (2) Volume-pressure curves in the management of ALI.


Slutsky AS: European Congress of Anesthesiology (CENSA), Florence, Italy, June 2001. Lower versus higher tidal volume in mechanical ventilation.


Slutsky AS: University of Colorado School of Medicine, Denver, Colorado, January 2001. Medical Grand Rounds: Mechanical ventilation: From barotrauma to biotrauma, to the bedside.


Stewart DE: Greek Conference on Women's Health, Thessalonika, Greece, January 2001. (1) Plenary address: The disconnect: Infertility patients information and decision-making, (2) Premenstrual dysphoric disorder and depression.


Stewart DE: Royal College Visiting Research Professor Lecture, Queen's University, Kingston, Ontario, October 2000. (1) Women, depression and ischemic heart disease, (2) Premenstrual dysphoric disorder and depression, (3) Moving research findings into health policy.

Stewart DE: University of Krakow Women's Health Initiative, Krakow, Poland, April 2001. Challenges of women's health in the new Eastern Europe.


Stewart DE: Slovak Women's Health Initiative, Kosice, Poland, April 2001. International women's health policy.


Stewart DE: Norwegian Technical University, Trondheim, Norway, October 2000. Women, violence and depression.

terBrugge KG: Academy of Medicine, Hong Kong, China, March 2001. (1) Endovascular treatment of acute stroke prevention, (2) Endovascular management of malformations affecting the central nervous system.


terBrugge KG: International Master Degree in Neurovascular Diseases, Chiangmai, Thailand, October 2000. (1) Natural history of DAVs, venous injuries, thromboses and hemorrhages, (2) Para spinal and epidural lesions, (3) Spinal cord vascular tumors (hemangio-blastomas).

terBrugge KG: Eastern Neuroradiological Society, Vermont, August 2000. 3D-DSA: Who needs it?


RESEARCH AND INVESTIGATIONS

Senior Investigator's Name Appears in Italics


Bio-imaging facilities. Pritzker KPH: Canadian Foundation for Innovation ($1,150,000 1999 - 2000).


Cellular and molecular mechanisms of organ injury. Levy GA,
Gorczynski RM, Issekutz T, Paul L, Phillips MJ, Rotstein OD,
Marsden P, Zhang L: *Medical Research Council of Canada*

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 micro-satellite instability project. Lindor NM, Bapat B:

Clinical significance of molecular genetic profiles of endometrial

Clinical trial of raloxifen use in the heart (RUTH). Cheung A, Stewart

Co-operative family registry for epidemiologic studies of colon cancer.
Gallinger S, Holowaty E, Andrulis I, Bapat B, Boyd N, Redston M,
V, Malkin D, McKeown-Eyssen G, McLaughlin J: *National Institutes
of Health* ($3,200,000 1997 - 2001$).

Comparison of quality of life and economic cost across home
and institutional care settings: Pilot study. Cameron JI, Stewart DE,

Defensins as mediators in inflammatory response in acute lung injury.

Developing and operating an internet-based interactive genetics service
to health care providers in Ontario. Wyatt P, Pritzker KPH: .
($100,000 2000 - 2002$).

Development of a finite element model for prediction of
osseointegration potential of bone interfacing. Pilliar RM, Meguid SA,
Grynpas MD: *Medical Research Council of Canada* ($198,585 1997 -
2000$).

Effects of aryl hydrocarbon receptor ligands on osteoporosis and
reproductive function. Casper R, Grynpas MD, Savouret JF: *Medical


Factors influencing dietary adherence in women at elevated risk for breast cancer. Irvine J: Princess Margaret Hospital Foundation ($100,000 2000 - 2001).


The scalability and validity of four visual perceptual instruments frequently used by pediatric occupational therapists: A comparison using Rasch analysis. *Brown T, Davis AM, Rodgers S*: *Children's Hospital of Eastern Ontario Research Institute* ($25,000 2000).


**HONOURS RECEIVED**

Davis AM: Five-Year New Investigator Health Career Award, Canadian Institutes of Health Research/Social Sciences and Health Research Council/National Health Research and Development Program, September 2000.

Davis AM: Rising Star Research Award, Department of Physical Therapy and Graduate Department of Rehabilitation Science, University of Toronto, April 2001.

Naylor CD: Health Services Research Advancement Award In Recognition of Leadership, Influence and Stature in the Field of Health Services Research in Canada, September 2000.

Pritzker KPH: Distinguished Service Award, Canadian Association of Pathologists, June 2001.

Stewart DE: Gibbs Leadership Award, Jacob's Institute of Women's Health (with Hyman I, Geruge S, Ahmad F), July 2000.