



# THE SQUARE KNOT



McGill University  
NEWSLETTER

Department of Surgery  
Vol. 2, No. 3, Winter 1991-92

## Fraser Gurd Day 1991



Dr. J.L. Meakins presents Dr. Donald S. Coffey with a McGill tie and a certificate commemorating his visit.



Dr. Andy Hreno, then Director of the Surgical Residency Training Program, presents a diploma to Dr. Salim Ratnani of Pakistan. Dr. Jonathan L. Meakins, who presided at the banquet, and Dr. Marvin Wexler look on.

Last May 30th, the Department of Surgery held its Annual Fraser Gurd Research Day. Dr. Donald Coffey, Professor of Urology, Oncology and Pharmacology and Molecular Sciences at The Johns Hopkins University School of Medicine, was the special guest. A total of 20 residents and fellows, from all the surgical specialties, presented their research projects. A panel of judges selected the winners who received cash awards contributed by Davis + Geck Inc. The graduating surgical residents were presented

with a diploma and a paperweight bearing the McGill crest. Dr. Steven Jackson presented Dr. Rea Brown with the Surgical Residents Award for Excellence in Teaching. Dr. Coffey gave three talks during his visit: *The Prostate Gland* at McGill Urology Grand Rounds; *New Concepts in Cancer Research* at Surgical Grand Rounds at the Royal Victoria Hospital; and *Science, Creativity and Human Destiny* at the Surgical Grand Rounds at the Montreal General Hospital.

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## OF STYLE AND KNOTS

We were pleased at the preponderance of McGill Surgery neck ties at the 1991 Fraser Gurd Day Banquet. The women will be happy to hear that a McGill Surgery scarf, bearing the same motif as the tie, is now available. These can be obtained through Dr. Meakins' office.

### ANDY HRENO STEPS DOWN AS PROGRAM DIRECTOR

In December of 1991, Andy Hreno stepped down as Director of the McGill General Surgery Residency Training Program. Though he had held this office since July 1986, he has been involved with residency training since 1971 - a period of twenty years! Under the leadership of Dr. J.L. Meakins and through the hard work of Andy and his Training Committee, the General Surgery Program has become fully integrated. Its excellence was recognized by the Royal College and the Corporation professionnelle des médecins du Québec at their most recent accreditation visits.

Dr. Gerald M. Fried, Associate Professor of Surgery and Surgeon at the MGH, has taken over from Andy. He is responsible for the training of residents after the core program. Dr. Carl Nohr, Assistant Professor of Surgery and Surgeon at the RVH, is Director of the two-year Core Surgery Training Program for surgery in general, which will begin on July 1, 1992. There should be about 21 residents in the core program. ■

### THE L.D. MACLEAN VISITING PROFESSORSHIP

Dr. J. Kent Trinkle, Professor of Surgery and Chief of the Division of Cardiothoracic Surgery at the University of Texas Health Science Center at San Antonio, was the Fourth Annual L.D. MacLean Visiting Professor on January 30, 1992.

Dr. Trinkle spoke at Surgical Grand Rounds at the Montreal General Hospital on *The Agony and Ecstasy of Lung Transplantation* and on *Pulmonary Contusion and Flail Chest* at those of the Royal Victoria Hospital. That evening he was the keynote speaker at a banquet held at the University Club to which were invited all the surgeons and scientists of the Department. ■

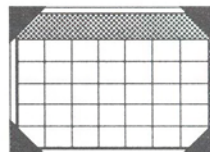
### ROYAL COLLEGE MEETING

The next meeting of the Royal College will be in Ottawa, September 11-14, 1992.

### PARTICIPATION IN MRC COMMITTEES

Dr. David S. Mulder is a member of the Committee on Committees, recently established by the Medical Research Council of Canada. He informs us that the McGill Department of Surgery is effectively represented on MRC committees.

For example, Dr. Ray C-J. Chiu sits on the Cardiovascular System Committee. Dr. Jonathan L. Meakins is on the Clinical Investigation Committee. Dr. Lawrence Rosenberg is a member of the Committee on Immunology and Transplantation, and Dr. Nicolas V. Christou of the Microbiology and Infectious Diseases Committee. ■



### DATES TO REMEMBER

- ◆ Society of University Surgeons, February 13-15 1992, Cincinnati, Ohio.
- ◆ American Academy of Orthopaedic Surgery, February 20-25 1992, Washington D.C..
- ◆ Society for Surgical Oncology Cancer Forum, March 15-18 1992, New York.
- ◆ American Surgical Association, April 6-8 1992, Palm Desert, California.
- ◆ First E.J. Tabah Visiting Professor in Surgical Oncology, Dr. Walter Lawrence Jr., April 8-10 1992.
- ◆ Surgical Infection Society, April 9-11 1992, Palm Desert, California.
- ◆ American Association for Thoracic Surgeons, April 27-29, 1992, Los Angeles, California.



Annual McGill Orthopaedic Visiting Professor, Dr. Sigvard Hansen Jr., April 29-30 1992.

- ◆ Canadian Association of Clinical Surgeons, Eastern Division, April 30-May 2 1992, Ottawa.
- ◆ Society for Surgery of the Alimentary Tract, May 11-13 1992, San Francisco, California.
- ◆ Society of Critical Care Medicine, May 25-29 1992, San Antonio, Texas.



McGill Department of Surgery Annual Fraser Gurd Day, Dr. J. Alex Haller, Visiting Professor, May 28 1992.

- ◆ Society for Vascular Surgery, June 8-9 1992, Chicago, Illinois.
  - ◆ ISCVS, SVS, June 8-11 1992, Chicago, Illinois.
  - ◆ Combined Meeting of the Orthopaedic Associations of the English-Speaking World, June 21-26 1992, Toronto.
  - ◆ Royal College of Physicians and Surgeons of Canada, September 11-14 1992, Ottawa.
  - ◆ American Association of Trauma Surgery, September 17-19 1992, Louisville, Kentucky.
  - ◆ American College of Surgeons Clinical Congress, October 11-16 1992, New Orleans, Louisiana.
  - ◆ Association for Academic Surgery, November 18-21 1992, Montreal.
- Fifth Annual L.D. MacLean Visiting Professor, Dr. Robert W. McMurtry, November 26 1992.

### DR. FRED WIEGAND IN PAKISTAN

Fred Wiegand, a McGill-trained general surgeon at the Queen Elizabeth Hospital, recently returned from another interesting tour of duty with the International Committee of the Red Cross (I.C.R.C.) at their surgical hospital in Quetta, Pakistan. The latter was set up solely to treat war wounded from Afghanistan. The Red Cross is looking to expand its list of general surgeons who might be willing to go to Pakistan. For further information contact Fred at his office (484-8508) or at the Q.E.H. (488-2311). ■

The James Ewing Society of Surgical Oncology is holding its Annual Cancer Forum at the Waldorf Astoria Hotel in New York March 15-18, 1992.

### THE ROYAL COLLEGE OF PHYSICIANS AND SURGEONS

### ANNUAL MEETING QUEBEC, 1991

Many McGill residents and surgeons presented papers at this meeting:

**J.S. Barkun, A.N. Barkun, J.S. Sampalis:** *A randomized clinical trial comparing laparoscopic to open cholecystectomy.*

**P. Belliveau (McGill) and R. Reznick (Toronto):** *Acute diverticulitis: Management of perforation. Resection of stoma. Anastomosis with coloshield.*

**P. Belliveau** participated in a panel entitled *Avoiding pitfalls in surgery.*

**N.V. Christou (McGill) and J. Bohnen (Toronto):** *Antibiotic therapy for peritonitis. Monotherapy. Combination therapy.*

**N.V. Christou (McGill) and J. Marshall (Toronto):** *Selective digestive decontamination in trauma patients.*

**M. Chung, B. Mitmaker, P.H. Gordon, E. Wang:** *Expression of the c-fos oncogene and the p53 anti-oncogene in colorectal carcinoma and its adjacent mucosa.*

**P. Cloutier, A.H. Spanier, N. Miller, N.M. Sheiner:** *Primary aortoduodenal fistula (ADF) revisited.*

**D.P. Croitoru, A.B. Sinsky, J-M. Laberge:** *Cystic neuroblastoma.*

**D.P. Croitoru, A.R. Hong, J-M. Laberge, L.T. Nguyen, F.M. Guttman:** *Multi-lumen percutaneous central venous catheterization in neonates.*

**A. Fecteau, J. Tchervenkov, F.M. Guttman:** *Small bowel transplantation in the rat: the effect of donor-specific transfusion and low-dose cyclosporin.*

**H. Flageole, M. Senterman, J.L. Trudel:** *The in vitro effect of substance P on lymphokine-activated killer (LAK) cell cytotoxicity against cultured and fresh colon carcinoma cells.*

**G. Fried** presided a symposium on *Management and prevention of bleeding problems.*

**P. Gordon:** *Anal carcinoma: therapy and recurrence.*

**A. Hong, D. Croitoru, L. Nguyen, J-M. Laberge, F. Guttman:** *Primary pullthrough for Hirschsprung's disease in the first year of life. A report of 13 cases.*

**A. Hong, D. Croitoru, L. Nguyen, J-M. Laberge, F. Guttman:** *Congenital "N-type" ano-urethral fistula without imperforate anus.*

**T. Hosseinzadeh, R.C.J. Chiu, C.I. Tchervenkov:** *The adverse effect of prolonged pre-arrest hypothermic perfusion in pediatric cardiac surgery.*

**S. Jackson, A. Guerraty, L.Q. Pu, J.F. Symes:** *Improved 24 hour cardiac preservation with continuous perfusion using the University of Wisconsin solution.*

**R. Lewis (McGill) and R. McLeod (Toronto):** *Prophylaxis for elective colon surgery.*

**D.M. Nguyen, C.M. Li, G. Schmidt, D.S. Mulder, H. Shennib.** *Bronchoalveolar lymphocyte cytotoxicity: an indicator of the adequacy of lung preservation.*

**H.H. Sigman, G.M. Fried, E.J. Hinchey, J. Mamazza, M.J. Wexler, J. Garzon, J.L. Meakins:** *The role of the teaching hospital in the development of a laparoscopic cholecystectomy program.*

**A.H. Spanier** presided a symposium on critical care.

**A.H. Spanier, M. deMarchie, D. Langleben, D.P. Laporta, D.J. Stewart:** *Abnormal pulmonary clearance of endothelin-1 (ET-1) in adult respiratory distress syndrome (ARDS).*

**O.K. Steinmetz, A.N. Barkun, J.S. Barkun:** *The role of ERCP in laparoscopic cholecystectomy.*

**J.L. Trudel:** *Crohn's colitis: when to resect?* ■

## LETTER TO DR. LESSARD



Dear Dr. Lessard:

*I read of your exciting travels to the Philippines in my copy of the Square Knot (Summer 1990). I was so happy to see you enjoyed the Philippines as much as I did. I lived in Cebu in Manila (University of Santo Thomas). I found it a most enriching experience and I think we both share a very deep fascination and intrigue with diseases and anomalies indigenous to the Third World. I was active in travelling to the provincial areas and treating an enormous variety of intestinal parasites, fungal diseases, and the ever present malnutrition. I gained a very keen appreciation for the delicate balance between health and disease and host-parasite relationships. I was so glad to hear you appreciated the Philippines and the Filipino people as much as I did.*

*You may remember me as the vascular postgraduate fellow from 1987 to 1988. I believe you had just returned from your fellowship in the United States at that time and we spoke several times, I believe, during my stay. I want to wish you the best of luck in your career and I do miss the City of Montreal and the wonderful people in the Province of Quebec.*

Sincerely yours,

Stephen Francis McCartney, M.D.  
Santa Monica, California ■

DR. MURRAY BRENNAN, Professor of Surgery at Cornell and Chief of Surgery at the Memorial Sloan-Kettering Cancer Center, was the Second Annual Cedars Cancer Institute Visiting Professor in Surgical Oncology, March 20-21 1991.

## DR. CHRISTOU AND HIS TEAM AT EUROPEAN MEETING

Dr. Nicolas Christou's research team was prominent at the 4th Annual Meeting of the Surgical Infection Society-Europe, held in Athens, Greece in May 1991.

Participating along with Dr. Christou were Jose Tellado-Rodriguez (Spain), Spiros Stergiopoulos (Greece), Warner Haupt (Germany) and Rémi Schneider (Switzerland), all former fellows in the surgical labs at the RVH. Dr. Spiros Stergiopoulos won a prize for the best presentation. ■

### CONGRATULATIONS!

Congratulations to Dr. Steven Jackson who was elected for the third time as the senior representative to the McGill Postgraduate General Surgery Education Committee. Also to Dr. Stephanie Helmer, who was elected the junior representative. The department is grateful to these two residents for their assistance and helpful contributions.



### QUARTER CENTURY CLUB

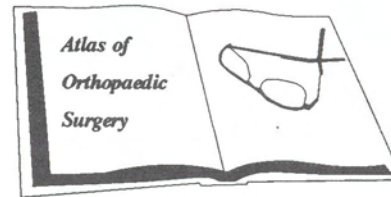
In 1991, McGill's Quarter Century Club, for staff who have been with McGill for 25 years, welcomed three new members from Surgery.

**Dr. Arthur Freedman**  
Jewish General Hospital

**Dr. Harry D. Stevens**  
Reddy Memorial Hospital

**Dr. Yosh Taguchi**  
Royal Victoria Hospital

Each new member receives a captain's chair inscribed with the McGill crest.



## ANOTHER FIRST FOR McGILL!

Dr. Carroll Laurin from the Royal Victoria Hospital, along with an associate from Paris, France (Professeur Raymond Roy-Camille) and another from Washington, D.C. (Professor Lee Riley), have recently published the last volume of a bilingual and international (46 authors originating from 18 countries) *Atlas of Orthopaedic Surgery*. The six volume opus includes 3500 pages of text and 5500 illustrations.

It took six years to realize and earlier volumes are already popular in Europe and Japan. The atlas is an attempt to graphically illustrate all currently performed adult operative orthopaedic procedures throughout the world. It is a "how to" book which hopefully will have its place in the operating rooms, consulting rooms, and on the wards for easy reference by doctors, nurses, as well as patients who may want to know "What are you going to do to me, doctor?"



The Surgical Education and Self-Assessment Program Number 7 for 1992-93 of the American College of Surgeons is now available. Drs. G.M. Fried and E.D. Monaghan are contributors.

### SURGERY ON THE RISE

Technology is getting a lift at Southwest Texas Methodist Hospital. The Hospital installed a \$220,000 elevator that doubles as an operating room. Built to transport patients from underground operating rooms to seventh-floor intensive-care units, the elevator has built-in suction equipment, oxygen, surgical lighting and instruments. "It's in case something goes wrong in transit - though we haven't used it yet," says hospital spokesman Steve Finlay.

Source: *San Francisco Examiner*



## KUDOS

**Drs. L. Bégin and B. Mitmaker** shared with **Dr. P.H. Gordon** the Pennsylvania Society of Colon and Rectal Surgery Award last year.

**Dr. Kenneth L.B. Brown** returned in June from a trip around the world as the American-British-Canadian Travelling Fellow. In September he chaired the Sixth International Symposium on Limb Salvage in Montreal. He was promoted to Associate Professor in January 1992.

**Dr. Rea Brown** was elected Vice-President of the American Association for the Surgery of Trauma and was awarded the Excellency Award from the Committee on Trauma of the American College of Surgeons for outstanding achievement in this field.

Dr. Brown was also honoured in May 1991 at the Fraser Gurd banquet when he received from the Surgical Residents the Award for Excellence in Teaching. This was entirely arranged by the residents and enthusiastically presented by Dr. Steven Jackson. In the eyes of the residents, declared Dr. Jackson, "Dr. Brown epitomizes the surgical scientist and teacher."

**Dr. Ray C-J. Chiu** was elected a member of the American Surgical Association. Dr. Chiu also received a three-year grant totalling \$270,000 from the Medical Research Council of Canada to study *Biomechanical cardiac assist*. He was the keynote speaker at the exhibit for *Bionics and Transplantation* at the Boston Science Museum. In 1991, the much-travelled Dr. Chiu attended a meeting of the Surgical Association of the Republic of China in Taipei, Taiwan, as well as a Symposium on Cardiologia 2002 in Caracas, Venezuela.

**Dr. Nicolas V. Christou** presented his paper on the *Impact of pre-existing disease conditions for host-defense integrity in traumatized and critically ill patients* at the Second International Congress on The Immune Consequences of Trauma, Shock and Sepsis in March, 1991 in Munich. It is noteworthy that Nick Christou is a Councillor for the Surgical Infection Society. He was promoted to full professor.

**Dr. Mostafa M. Elhilali** has been re-appointed as the Head of Urology at McGill. Congratulations!

**Dr. David Fleiszer** has been appointed to the newly created position of Assistant Dean for Medical

Informatics, a field of increasing importance. He is responsible for initiating and coordinating efforts in this area. Dr. Fleiszer has carried out several pilot projects in computer based instruction.

**Dr. Gerald M. Fried** is on the Editorial Board for *Surgical Laparoscopy and Endoscopy*.

**Dr. Francis H. Glorieux** has edited a book on *Rickets* to which contributed an international panel (including Drs. Edgard E. Delvin and Brigitte Ecarot of our department). The book sums up current clinical information on the various forms of rickets around the world and basic data on skeletal mineralization and mineral homeostasis. It is published by Raven Press, N.Y. Dr. Glorieux spent two weeks in Japan in November as an invited speaker of a "Bone Forum" sponsored by Hoffman-La Roche Ltd. He also visited with colleagues and former trainees in Okayama, Kobe, Osaka and Tokyo, where he lectured on various aspects of familial rickets and osteogenesis imperfecta.

**Dr. Philip H. Gordon** co-edited (along with Dr. Santhat Nivatvongs of the Mayo Clinic) a textbook entitled *Principles and Practice of Surgery for the Colon, Rectum and Anus*. This comprehensive textbook has approximately 1100 pages and 956 illustrations, 300 in colour.

**Dr. Frank M. Guttman** has been appointed President of the Association of Paediatric Surgical Program Directors for 1991-93.

**Dr. Marvin L. Kwitko** has been asked by Health and Welfare Canada to chair an Advisory Committee on the Use of the Excimer Laser for Eye Surgery and to formulate a protocol for a clinical study.

**Dr. Lloyd D. MacLean, O.C.** has been named Vice Chairman of the Board of Regents of the American College of Surgeons. This is a rare honour for a Canadian. He is also Chairman of the ACS Program Committee. Dr. MacLean was Principal Guest Lecturer at the February 1992 meeting of the society of Gastroenterological Surgery in Kobe, Japan. He spoke on *Nutrition in the Surgical Patient*, and *The Role of Surgery in the Treatment of the Very Obese*. He even attempted to address the audience in Japanese!

Dr. MacLean was elected President of the James IV Association in 1991. As the James Surgical Visiting Professor, he will lecture at Queen's University and the University of Saskatchewan this spring.

**Dr. Jonathan L. Meakins** presented a paper on *Source Control* in a Course on Critical Care (Multi-Systems Failure) at the Spring Meeting of the American College of Surgeons in New York in April 1991. Dr. Meakins was on both the Scientific Committee and the Program Selection Committee of the *Second International Congress on Immune Consequences of Trauma, Shock and Sepsis* held in March in Munich.

**Dr. E.D. Monaghan** represented the Specialty Committee of General Surgery of the Royal College at a *Forum on the role of general surgery within the American College and other organizations* in New York last April. This meeting was sponsored by the Advisory Council for Surgery.

**Dr. David S. Mulder** has accepted the position of Surgeon-in-Charge of Thoracic Surgery within the Division of Cardiovascular and Thoracic Surgery.

**Dr. A. Michael Parfitt**, Director of the Bone and Mineral Research Laboratory at the Henry Ford Hospital (Detroit), was the second "Richard L. Cruess Lecturer" in September 1991. He presented a Research Seminar at the Shriners Hospital on the *Relationship between hormone secretion and cell proliferation in the parathyroid gland* and delivered the RLC Lecture entitled *The two faces of growth: benefits and risks to bone integrity*.

**Dr. Lawrence Rosenberg** received a two-year grant totalling \$104,000 from the Canadian Diabetic Association to study islet cell differentiation.

**Dr. René St-Arnaud** has received a Junior "Chercheur-boursier" Award from the Fonds de la recherche en santé du Québec. Dr. St-Arnaud, Assistant Professor of Experimental Surgery, is a Scientist in the Genetics Unit of the Shriners Hospital where his work focuses on the role of proto-oncogenes in development.



*Dr. Harvey Sigman*

**Dr. Harvey Sigman** was presented with the Samuel Bronfman Medal at the Annual Meeting of the Allied Jewish Community Services. This medal is considered the most prestigious award in the Jewish community and is given for outstanding community services and leadership.

**Dr. Christo Tchervenkov** has been appointed Director of Cardiovascular Surgery at the Montreal Children's Hospital.

**Dr. Alan G. Thompson**, former Head of Surgery at the MGH and former Chairman of the Department of Surgery at McGill, received honorary membership in the Canadian Association of General Surgeons. This great honour was presented by Dr. John Hinchey of the MGH, at the 1991 meeting in Quebec City last September.

**Dr. Marvin J. Wexler** is the President-Elect of the Canadian Association of General Surgeons. Dr. Wexler gave a presentation on the *Image of the General Surgeon* at the 1991 Spring Meeting of the American College of Surgeons in New York.

**Dr. David Zukor** was appointed Head of Orthopaedic Surgery at the Jewish General Hospital last December 1. He takes over from Dr. Hadjipavlou who has moved on to the University of Arizona. ■



## RESIDENTS AND FELLOWS ACHIEVEMENTS

**Illya Boridy and Victoria Korley** are recipients of the Harry S. Gross Memorial Prize as the link students with the highest standing in Surgery.

**Dr. M. Hagg** was invited to present his work on human and rat prostatic adenocarcinoma cells at the meeting of the American Association of Cancer Research in Houston, Texas in May 1991.

**Dr. Peter Jarzem** won the Roger Simoneau prize for the best scientific paper at the Quebec Scoliosis Society meeting in Chicoutimi in April 1991. His paper was entitled *Spinal cord compartment syndrome - an in vivo study*.

**Dr. Jonah Odim** presented a poster at the American Association for Artificial Organs meeting in Chicago in April, 1991 on *Peri-aortic counterpulsation* (with Dr. R.C.-J. Chiu).

**Dr. Riad Oudoumie** presented posters on lung transplantation at the American Thoracic Society meeting in Anaheim, California. These were entitled *lung transplantation: incidence of infection and rejection* and *Lung transplantation for cystic fibrosis* (with Dr. H. Shennib).

**Dr. Chris Oung** presented a paper on *Effect of hypothermia on dopamin and dobutamin* to the Trauma Committee at the American College of Surgeons meeting in Denver, Colorado in February, 1991. Dr. Oung is also the recipient of the Region 12 award (with Dr. E.J. Hinchey and Dr. R.C-J. Chiu).

**Dr. Ian Rubins** and his wife Jodi have presented their daughter Roni with a baby sister, Jaclyn Nicole, born March 2, 1992.

**Dr. Daniel Tanguay** presented a paper entitled *Selective stimulation of DNA replication in cultured hamster pancreatic islets and ducts by a pancreatic cytosolic extract* at the Pancreas Club meeting in New Orleans in May 1991 (with Dr. L. Rosenberg).

**Lian Wang**, a Ph.D. student, was invited to present her work at the Symposium for the American Association for Cancer Research in Chicago in May 1991.

**Dr. Paul Wizman** and his wife Susan are the proud parents of a new baby whom they have called Jordan Lee, born January 24, 1992.

**Dr. John Yee** is the recipient of a Royal Victoria Hospital Research Institute Fellowship following the 1991-92 Fall competition. ■

*"A surgical investigator is a bridge tender, channelling knowledge from biological science to the patient's bedside and back again. He traces his origin from both ends of the bridge. He is thus a bastard and is called this by everybody. Those at one end of the bridge say he is not a very good scientist and those at the other say that he does not spend enough time in the operating room. If only he is willing to live with this abuse, he can continue to do his job effectively".*

Francis D. Moore

## McGILL TEAM HOPES TO REDUCE INFECTIONS THAT HIT HIGH RISK SURGICAL PATIENTS

The following is an excerpt from Dr. Pierre Bois' 1990-91 Report of the President of the Medical Research Council of Canada.

*"Research underway at the Royal Victoria Hospital in Montreal could help reduce the incidence of potentially life-threatening infections and other complications among certain high risk surgical patients.*

*There, a team of scientists, led by Dr. Nicolas Christou, is investigating the immune system of patients slated for surgery to determine their ability to fight infection after surgery or injury.*

*According to Dr. Christou, who is an associate professor of surgery at McGill University, some patients admitted to hospital for elective surgery or after an accident have reduced capacity to resist infection. If infection does develop, some individuals die at a higher rate than others. "These infections are costly to society because patients spend more time in the hospital, usually in an intensive care unit," he said, adding "The cost to the patient who dies needs no discussion."*

*The team, which includes Drs. Julius Gordon, Jonathan Meakins, Carl Nohr and Harold Rode, all from McGill University, has found it can identify patients at high risk of death after a major infection in hospital using a simple test which uses antigens, similar to those used for allergy tests, injected into the skin. The test, known as a delayed type hypersensitivity (DTH), identifies the patients at risk by singling out those with abnormalities of their immune systems. Patients who react to the tests respond appropriately to their infection and survive. However, 75 per cent of those with no skin reactions who develop a serious infection die from the complications of the infection. The researchers believe that if they can understand the mechanism behind the immune system failure, it will be possible to correct the faults with treatment and improve the patients' chances of surviving a serious infection in hospital.*



The team is also examining how abnormalities of the immune system interact with other systems, such as the cardiorespiratory system, which are needed to survive an infection. For instance, nutritional deficits in some patients may produce abnormal immune function. These patients are being given a special solution intravenously in an attempt to correct the defects.

They are also carrying out investigations aimed at finding ways to regulate the function of one type of white blood cell which in anergic patients may be overreacting to an infection and digesting not only the invading bacteria causing the infection, but also normal tissues such as lungs and blood vessels of the muscles.

Their studies are also probing into how to restore the function of B cells which produce antibodies to invading bacteria but are not working properly in anergic patients. They are also examining T cells which are responsible for regulating the immune system but somehow do not function properly in anergic individuals." ■

**McGILL DEPARTMENT OF SURGERY  
FRASER GURD RESEARCH DAY  
MAY 30, 1991**

**PAPERS PRESENTED BY RESIDENTS**

**First Prize:** Oung, Christopher - Hemodynamics of cardiac pacing vs. inotropes in hypothermic low output state

**Second Prize:** Yee, John - Bacteria hypopolysaccharide primes neutrophils through changes in calcium flux

**Third Prize:** Candelieri, Giuseppe - Differentially stimulated expression of FOS and JUN family members by calcitriol in osteoblastic MC3T3-E1 cells

Benaroch, Thierry - Total elbow arthroplasty - A Montreal multi-centre study

Campanile, Frank - The effects of electrical stimulation

on denervated facial muscles using implantable electrodes

Chung, Maureen - Expression of the c-fos proto-oncogene, the p53 anti-oncogene and statin in colorectal carcinoma and its adjacent mucosa

Evans, David - Electrical impedance spectroscopy as a diagnostic aid in the assessment of high-voltage electrical injury

Flageole, Hélène - Substance P increases in vitro lymphokine-activated killer (LAK) cell cytotoxicity against fresh colorectal cancer cells

Haq, Mahmud - Preferential adhesion of prostate carcinoma cells to bone marrow derived endothelium

Houle, A.M. - True hermaphrodites: An experimental model in the mouse

Jackson, Steven - Improved 24-hour cardiac preservation with continuous perfusion using the UW solution

Kovalski, Neil - Seminal plasma factors other than superoxide dismutase and catalase preserve sperm motility in the face of neutrophils

Lachapelle, Kevin - The importance of graft antibiotic concentration in preventing acute graft infection

Marelli, Daniel - Cell transplantation for myocardial repair: a progress report

Metrakos, Peter - Mechanism of octreotide induced enzyme accumulation in the pancreas

Picard-Ami, Luis - Malignant melanoma in the paediatric population, Canada and the United States

Ross, Michelle - Genetic variations in Northeastern Quebec and prevalence of familial rickets

Shum-Tim, Dominique - Prolonged pre-arrest cooling contracture of the newborn myocardium

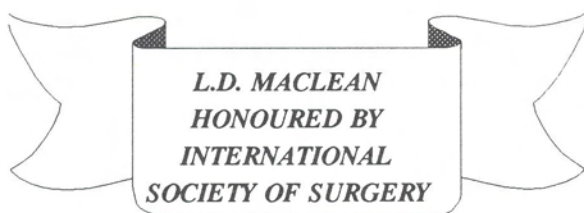
Sinclair, Tom - Biodegradation of the polyurethane foam covering breast implants

Stein, Todd - Optimal massive allograft matching using digitized computer image analysis ■

## McGILL - ADDIS ABBA LINKAGE UPDATE

The McGill-Ethiopia Community Health Project (MECHP) began in 1987 with the support of the former Ethiopian Ministry of Health and the Canadian International Development Agency. Its aim is to train Ethiopian health professionals in community health and health management.

In the fall of 1990, largely through the untiring efforts of Dr. Antoine Loufti of the Royal Victoria Hospital, a link between the Departments of Surgery at Addis Abba University (AAU) and McGill University was established. Dr. Loufti and his wife, Dr. Joyce Pickering, have been working in Ethiopia since the fall of 1988, and are accompanied by their two children. They were joined last September by Dr. Peter McLean, also of the RVH, and his wife Ariane. Dr. John Oliver, urologist at the RVH, spent 3 months (February-April 1991) teaching at the Black Lion Hospital in Addis Abba. The Surgery project has been complicated by political instability and problems with the administration at AAU. Therefore, in January, Drs. Loufti and McLean moved to Jimma, deep in Oromoland, to initiate a program for the training of general practitioners in surgical emergencies. Ariane is learning the Amharic language! ■



Dr. Lloyd D. MacLean received the International Society of Surgery Prize at the August 1991 meeting in Stockholm, Sweden. This prize is awarded only once every two years.

A number of McGill surgeons participated in this meeting: Nicolas V. Christou, Ronald Lewis, Jonathan L. Meakins, David S. Mulder and Stanley S. Skoryna. ■



## WELCOME ABOARD!

**Dr. Vincent Arlet** joined the staff at the Montreal Children's Hospital in January 1991. He trained in orthopaedic surgery in France then did a fellowship year with Dr. Eric Lenczner at the Montreal General.

**Dr. Jeffrey Barkun** joined the McGill faculty and the surgical staff at the RVH in July 1991. Following his training in General Surgery at McGill, Dr. Barkun spent a year with Dr. Hans Troidl in Cologne, Germany on surgical endoscopy and ultrasound and a year with Bernard Langer in Toronto on hepatobiliary surgery and liver transplant. He is completing his Masters in epidemiology.

**Dr. Jacques Corcos** was appointed to the McGill Urology faculty and Urologist-in-Chief at the JGH in July 1991. Dr. Corcos is a graduate of Montpellier University where he also received his urology training. He spent one year in the Department of Urology at the University of Sherbrooke on a France-Québec exchange. Before coming to McGill, Dr. Corcos was Director of Urology at the University of Sherbrooke. He is interested in neuropharmacology and hyperthermia.

**Dr. Benoît de Varennes** (McGill '84), joined the McGill faculty and the staff at the RVH in July 1991, after completing his residency in Cardiovascular and Thoracic Surgery. His research, under Dr. Guerraty, was on metabolic assessment of the excised pre-transplant heart. Dr. de Varennes has excellent clinical skills, extensive experience in transplantation and a strong interest in teaching.

**Dr. Anne-Marie Houle** (Laval '83) joined the McGill Urology faculty and the staff at the Montreal Children's in January 1992. Following her residency at McGill, Dr. Houle did a two-year fellowship at the Hospital for Sick Children in Toronto, where she was involved with their kidney transplant program, and one year of bench research on sex differentiation models in

the Urology Research Laboratory of the RVH. Dr. Houle was awarded a research grant from the Canadian Urological Association Scholarship Foundation starting July 1991.

**Dr. Ann Kosloske**, a distinguished pediatric surgeon from the University of New Mexico, joined the staff of the Montreal Children's Hospital in August 1991 after a sabbatical at The Johns Hopkins School of Public Health. She is an internationally recognized expert in necrotizing enterocolitis and joins the McGill faculty at the rank of full professor.

**Dr. Yves Langlois** (U de M '75) was recruited from Hôtel-Dieu to organize the new cardiac surgical service at the JGH. Dr. Langlois did three years of research in the vascular field in Seattle following his general surgical training at Université de Montréal. His cardiothoracic training was acquired at New York University under F.C. Spencer. He was on the faculty of the U de M from 1985-91 where he maintained an extremely productive research program. This work will continue at the Lady Davis Laboratories.

**Dr. Michael Tanzer** joined the staff at the Montreal General in July 1991. Dr. Tanzer did his orthopaedic training at McGill then developed special expertise in hip and knee arthroplasty with the internationally renowned Dr. Bill Harris of Boston. ■



### DOCTOR SKANES ON A MISSION

Dr. Susan Skanes, a resident in plastic surgery who did her general surgery training at the Royal Victoria Hospital, recently returned from San Francisco, Nayarit, Mexico having participated in a short-term Medical Group Missions project sponsored by The Christian Medical & Dental Society. This project was devoted to medical, dental and surgical care.

She was part of a team of 75 physicians, surgeons, dentists, nurses and other medically related personnel, as well as a number of general support participants who conducted the project. This was one of several visits planned by Medical Group Missions of The Christian Medical & Dental Society to third-world countries in 1991. A total of 3850 patients were seen and treated. The surgery team performed 239 surgical procedures and the dental team saw 549 patients.

Participants in this project paid all their own expenses and contributed medical and surgical supplies to help supplement those donated by other organizations. Participation in MGM is open to any interested person. ■

### *Seven Gifts Required to be a Surgeon*

*"Good Health...that sort of wiry constitution which is able to resist fatigue and infection."*

*"Luckiness...pure luck is one of the chief factors making for happiness and success. Some men owe all or nearly all their success to luck, but if you have it not, remember that hard work and patience can make up to a great extent for the want of it."*

*"Brains...but not too many. It is unnecessary - perhaps dangerous - in medicine to be too clever. But if I had not many brains to bestow I should make up for it by an extra gift of diligence."*

*continued...*

*"Equanimity...there is no quality of mind more essential to you as doctors, for you will often have to face sudden and disconcerting emergencies and a fair share of it will also do much to preserve you from the corroding effect of those worries which are unescapable in practice."*

*"A sense of justice in the first place to your patient - Justice also to your professional brethren - and lastly a sense of what is just to yourself."*

*"A sense of beauty...Disease is ugly...You will need a sense of beauty as a compensation and a way of escape; as a sanifying and steadying influence."*

*"My last and best gift would be a sense of humor...It will help you to bear with the vagaries of your patients and still more with those of their relations and to derive amusement instead of annoyance from the eccentricities of your colleagues."*

*..."Armed especially with the last three, a sense of justice, of beauty and of humor, you will be able to face with equanimity all the buffets and disappointments, all the weariness and ugliness which your lives as doctors may have in store for you."*

R. Hutchison

"Seven Gifts" *Lancet* 2:61, 1938.



### **Submissions Welcome!**

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Send submissions to: Madeleine Beaulne  
Assistant Editor  
THE SQUARE KNOT  
Royal Victoria Hospital  
687 Pine Avenue West  
Room S10.36  
Montreal, Quebec  
Canada H3A 1A1

☎ Or ...call us at (514) 842-1231 local 5544  
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**Madeleine Beaulne**

*Administrative Assistant*

*Department of Surgery*

ASSISTANT EDITOR