DIVISION HIGHLIGHT:

ORTHOPAEDICS

This past year has seen the Division of Orthopaedics give up its traditional allegiance to hospital based training programs and become truly integrated into a McGill Division of Orthopaedic Surgery under the Department of Surgery. This event was celebrated with a banquet at the McGill Faculty Club where numerous toasts and speeches sent us on our future course.

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A SILK TIE!

The integrated program was celebrated with sartorial elegance. The McGill Orthopaedic tie, and scarves for the ladies, sport alternate rows of the McGill shield and the Nicolas Andry orthopaedic logo.

These were distributed at the banquet. Dr. James Urbaniak, visiting professor, was the first recipient of the tie outside the McGill Department of Surgery.

Scholarly activity has been brisk this past year with the Faculty and resident staff producing ten papers in "peer reviewed" journals, five chapters in various textbooks and one textbook of orthopaedic techniques written by many internationally recognized authors and co-edited by Carroll Laurin. This has been produced in both English and French. To this must be added the twenty-odd publications by the ten scientists from the Shriners Hospital laboratories. Francis Glorieux and his group have identified the DNA sequence in one form of inherited rickets.

In addition to the approximately two million dollars of competitive research funds raised by scientists at the Shriners, Drs. Hadjipavlou, Mitchell and Zukor have won a total of one-quarter million dollars of competitive monies. Special honours go to Dr. Rennie who has been made Treasurer of the Canadian Orthopaedic Association and editor of the International Journal of Orthopaedic Opinion. Nora Shepard has been promoted from Assistant Professor to Associate Professor of Experimental Surgery. This is particularly noteworthy as she holds no university degree and has achieved this by her considerable research output while directing a laboratory and teaching graduate and other students. Dr. Robin Poole won the Kappa Delta Award of the American Academy of Orthopaedic Surgeons. Finally, Dr. Dennis Bobyn, in addition to receiving large research grants for his considerable productivity, has been named M.R.C. Scientist, one of only nine granted this year in Canada and the second to be won by a member of the division of Orthopaedics.

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SECOND ANNUAL L.D. MACLEAN VISITING PROFESSORSHIP

From November 15 - 17, 1989, Dr. John A. Mannick, Surgeon-in-Chief of the Brigham and Women's Hospital and Professor of Surgery at Harvard Medical School, will be visiting the McGill Department of Surgery.
1989 DAVIS AND GECK WINNERS

FIRST PRIZE: Dr. Chen Lee (Dr. C. Kerrigan - Dr. L. Les-sard) - "Pathophysiology of ischemic flap failure"

SECOND PRIZE: Dr. Reza Mehran (Dr. J. Symes - Dr. A. Graham) - "The treatment of abdominal aortic graft infections with vascularized tissue flaps"

THIRD PRIZE: Dr. Dao Nguyen (Dr. D. Mulder) - "The effect of ward ischemia on bronchoalveolar lavage cells"

All nineteen participants should be congratulated on their excellent presentations. The three prize winners have clearly excelled, to be awarded the prizes with such tough competition.

Pathophysiology of Ischemic Flap Failure

by Dr. Chen Lee

Some of the most challenging problems in plastic surgery involve the restoration and reconstruction of normal form. This often demands the use of local autologous tissues to recreate the normal form. When faced with the problem of inadequate local tissue to reconstruct a defect, microsurgical free transfer of tissue from other anatomic sites provide an elegant solution. However, 10-15% of free tissue transfers are complicated by vascular thrombosis and tissue ischemia. Up to half of these cases progress to necrosis despite re-establishing and maintaining vascular patency. A failed free tissue transfer signifies morbidity for the unresolved defect along with tissue loss from donor site. Our goals have been to gain an understanding of the pathophysiology of the ischemia / reperfusion injury. Specifically, alterations found in neutrophil function induced by an ischemic microenvironment have implicated it as potential mediator of reperfusion injury. Ongoing work in our laboratories to further clarify the mechanism of reperfusion injury will hopefully add to the framework necessary to develop an effective therapeutic rationale directed at minimizing ischemic necrosis.

This work has won, in addition to the Davis and Geck first prize, the Peter J. Gingrass Memorial Award from the Plastic Surgery Research Council.

SURGICAL MEETINGS

DATES TO REMEMBER

International Surgical Week - Sept 10-16/89, Toronto (Abstracts due Dec 15/88)

American College of Surgeons, Clinical Congress - Oct 15-20/89 (Abstracts due Mar 30/89)

Royal College of Physicians & Surgeons of Canada - Sept 22-25/89, Edmonton (Abstracts due Mar 10/89)

Society of University Surgeons - February 8 - 10, 1990, Los Angeles (Abstracts due September 1, 1989)

Kindly advise us of any upcoming meetings for your division.

POST-GRADUATE SEMINAR

The Department of Urology is organizing the Postgraduate Seminar of the Northeastern Section of the American Urological Association in Montreal in April 1990 with heavy participation from the McGill Faculty and twenty guest speakers.
Dr. A.R.C. Dobell (MCH) has been named to give the John H. Gibbon Jr. Lecture at the American College of Surgeons in October, 1989. Dr. Dobell was one of Gibbon's residents and is the first to be so honoured to give this lecture in his mentor's name.

Dr. Phil Gordon (JGH) was a visiting professor in Malaga / Marbella, Spain in February, 1989.

Dr. M. Lucie Lessard (RVH) begins her one year fellowship in maxillofacial and craniofacial Surgery in Göteborg, Sweden, July 1, 1989.

Dr. Antoine Loutfi (RVH) has spent the last year in Ethiopia working in surgery and in a surgery oncology clinic; his wife, Dr. Joyce Pickering, has been participating in the McGill-Ethiopia Community Health Program. Based upon his work and Dr. J.L. Meakins' visit, an application for a CIDA grant to develop surgery in Ethiopia will be made.

Dr. Lloyd D. MacLean (RVH) gave the Seventeenth Grey Turner Lecture at the University of Newcastle upon Tyne, on the topic of "Sepsis in Surgical Patients", in April, 1989.

Dr. J.L. Meakins was an invited participant at the 18th annual Congresso Brasileiro de Cirurgia in July 1988 and was made an honorary member of the Brazilian College of Surgeons. He was also plenary lecturer at the 10th World Congress, Collegium Internationale Chirurgiae Digestivae in Copenhagen, Denmark, August, 1988.

Dr. Jean-François Morin (MGH) has completed fellowships in cardiac and vascular surgery and thoracic surgery in Bristol, England.

Dr. David S. Mulder (MGH) went to China on May 19th, 1989 to participate as an organizer of the 2nd Sino-American conference on Burns and Trauma. A highlight of the visit to Beijing and of worry to all were his frequent visits to Tiananmen Square. After which, he travelled to Japan for ten days as the "honoured trauma professor" for the Japanese Association for Surgery and Trauma. This involved a visiting professorship at universities in Sapporo, Kyoto and Tokyo.

Dr. Harvey Sigman (JGH) presented a paper on "Rectal and Intestinal Mucosal Blood Flow in Rats Measured by Hydrogen Gas Clearance: Effects of Hemorrhage and Hypotension" to the 10th World Congress, Collegium Internationale Chirurgiae Digestivae, Copenhagen, Denmark, August, 1988.
Dr. H. Bruce Williams (MGH) visited Japan in 1988 and was a visiting professor at Keio University, Tokyo, from November 28 to 30, 1988, an invited speaker at Medtronic International, Tokyo, on November 29, 1988 and a guest speaker, Japanese Society of Reconstructive Microsurgery, in Kumamoto City, from December 1 to 3, 1988.

WORLD TRAVELLER

It is comforting to know that what McGill missed this winter, the world gained. Dr. L.D. MacLean was awarded the prestigious Sir Arthur Sims Commonwealth Travelling Professorship and travelled to New Zealand, Australia, Thailand, Hong Kong and Great Britain. We are pleased that he has returned to us this summer to resume his practice and research. Welcome home!

IN MEMORIAM

- R.A. Forse (Sr.)
- Leon Heller
- C. (Sandy) Macintosh
- Herbert Owen
- Arthur Vineberg
- Donald R. Webster

TRANPLANTATION

Dr. Lawrence Rosenberg (MGH), assisted by Dr. Carl Nohr (RVH), did the first pancreas-kidney transplant at McGill in December 1988. The patient and grafts continue to do well.

L'équipe de transplantation cardiaque se rappellera du 29 juin 1989 pour deux raisons. D'une part, les deux dernières transplantations faites ce jour-là ont amené le total des greffes à 100 dont 87 cœurs, 10 coeur-poumons et 3 poumons simples.

Juin le 29 sera aussi mémorable dans l'histoire de la transplantation au Royal Victoria pour une autre raison.

En effet, l'équipe de transplantation de l'hôpital Royal Victoria a fait la première transplantation cardiaque au Canada utilisant un donneur vivant. Un canadien français âgé de 57 ans souffrant d'une amyloïdose cardiaque en phase terminale reçut le cœur d'une infirmière de 40 ans de Québec. Elle-même souffrait d'une maladie pulmonaire au stade terminal (emphysème) et reçut le cœur et les poumons en bloc d'un donneur en mort cérébrale due à une hémorragie cérébrale. La famille avait donné non seulement le cœur et les poumons mais aussi les reins, le foie et la corneé.

Trois équipes chirurgicales ont travaillé simultanément pour faire l'opération du donneur de cœur-poumons, la transplantation cœur-poumons et la greffe cardiaque.

In an article about heart-lung transplantation in the Paris-Match of April 27, 1989, Dr. Normand Poirier (RVH) was quoted extensively about the need for more cardio-pulmonary transplantations. He blamed the long waiting list in Quebec on a lack of compatible donors, low awareness in both the general public and hospital staff about transplantation, insufficient equipment in some areas, and inadequate co-ordination for organ donation. Hopefully the article will help to improve this situation.

SUMMER SOLSTICE PARTY

Dr. J.L. Meakins and his wife, Dr. Jacqueline McClaran, hosted a "Summer Solstice Party" on their farm, June 23, 1989 for the RVH attending staff and residents in Surgery.
KUDOS

Dr. P. Belle-veau (RVH) has been named Program Coordinator for Undergraduate Surgical Teaching.

Dr. Dennis Bobyn (MGH) received an MRC Scholarship, for the period April 1, 1989 to March 31, 1994.

Drs. Pnina Brodt and Harold Rode (Division of Surgical Research) have developed two new graduate courses, which will be presented in the Fall Newsletter.

Dr. Harvey C. Brown (MGH) became a member of the Committee on Trauma of the American College of Surgeons, and joined the Membership Committee of the American Society of Plastic and Reconstructive Surgeons.

Dr. N. Christou (RVH) has been competitively funded by Kendall-McGraw to assess a new solution and its effects on the immune system.

Dr. René J. Crépeau (MGH) was made an examiner, Plastic Surgery, for both the Royal College of Physicians and Surgeons of Canada and the Corporation professionnelle des médecins du Québec. He was also a program participant on craniofacial surgery at the annual scientific meeting, Canadian Society of Plastic Surgeons, in Edmonton, Alberta, June, 1989.

Dr. Claude Gagnon (RVH), Director of the Urology Research Laboratory has been nominated a Senior 2 Exceptional Merit Scholarship for five years (1988 - 1993) by the FRSQ. He has also been promoted to Full Professor.

Dr. Phil Gordon (JGH) became Associate Editor of Diseases of Colon and Rectum, examiner for The American Board of Colon and Rectal Surgeons, "Ambassador by Appointment" for the Palais des Congrès, City of Montreal, and chairman of a panel on Anorectal Disease at the Royal College of Physicians and Surgeons of Canada Postgraduate Course on Colon and Rectal Surgery. Dr. Gordon also received an Agora Award.

Dr. Alan Graham (RVH) was appointed the Jack Wylie Travelling Fellow, a prestigious honour. He will visit a number of prominent vascular centres in the next academic year.

Dr. Carolyn L. Kerrigan (RVH) is now the Surgeon-in-charge of Plastic Surgery at the "Vic". She was also appointed Associate Editor for the Plastic and Reconstructive Surgery Journal, received a research grant from the Canadian Electrical Association for studies on the pathophysiology of electrical injuries, and was named chairman of the Fact Finding Committee on Breast Implant Surgery, sponsored by the Health Protection Branch of the Department of Health and Welfare, Canada.

Dr. George Kiruluta (MCH) was granted tenure and became Associate Professor.

Dr. M. Lucie Lessard (RVH) was a panel participant on Nasal Anatomy at the Canadian Society of Plastic Surgeons annual scientific meeting in Edmonton, in June 1989.

Dr. Richard Margolese (JGH) was named President of the National Cancer Institute of Canada.

Dr. John C. Marshall, associate professor at Dalhousie, has received the Surgery Medal of the Royal College of Physicians and Surgeons of Canada based on work done at McGill.

Dr. J.L. Meakins (RVH) and Dr. J.C. McClaran edited a book entitled Surgical Care of the Elderly, published in 1988. Dr. Meakins has also been named President of the Surgical Infection Society.

Drs. N. Miller (JGH) and N.M. Sheiner (JGH) received two grants: one from the Jewish General Hospital Foundation for July 1988 to July 1989, to study the Evaluation of Graft Materials in the
Venous System of the Dog; the other from a Multicentre Study funded by the National Health Research and Development Program, to study Asymptomatic Patients with Cervical Bruits, Natural History and Effectiveness of Aspirin Treatment.

Drs. B. Mitmaker (JGH) and N.M. Sheiner (JGH) received a grant from the Jewish General Hospital Foundation for 1988-89 to study the "Effect of Various Gastrinemic States and Gastric Receptor Blockades on Colon Carcinogenesis Induced by Dimethyldrazine in Rats."

Dr. Dao Nguyen (MGH) received a research fellowship for his upcoming work in the University Surgical Clinic.

Dr. Lawrence Rosenberg (MGH) received an MRC Scholarship for the time period April 1, 1989 to March 31, 1994, had his American Surgical Association fellowship renewed for a second year, and received an MRC grant in addition to his NIH and Canadian Diabetes awards.

Dr. Gaston Schwarz was named President of the Canadian Society of Aesthetic (Cosmetic) Surgery, 1989-90.

Dr. Henry Shibata (RVH) is President Elect of the Canadian Oncology Society and President of the Canadian Society of Surgical Oncology and American Association for Cancer Education.

Dr. Hani Shennib (MGH), returning to McGill after a fellowship year in thoracic surgery at the University of Toronto, received an operating grant from the Cystic Fibrosis Foundation.

Dr. Harvey Slgman (JGH) is the new head of General Surgery at the Jewish General Hospital.

Dr. Allen Spanier (JGH) served the Canadian Critical Care Society as both a member of the Board of Directors and as Program Chairman. Dr. Spanier also was named President of the Quebec Critical Care Society and was a Visiting Critical Care Professor at the Albany Medical Center's Ellis Hospital in Albany, N.Y., March, 1989.

Dr. Jim Symes (RVH) has been appointed to replace Dr. Morin as Chief of the RVH Division of cardiovascular and thoracic surgery. Dr. J.E. Morin stepped down from the position of Chief after ten years of responsibility.

Dr. C.A. Vasilievsky (JGH) joined the editorial staff of Scapel, the official publication of the Association des Chirurgiens Généraux du Québec.

Dr. Marvin J. Wexler (RVH) has been appointed to the Comité des Effectifs et de la Pratique Chirurgicale of the Association des Chirurgiens Généraux du Québec. He completes a five year term as Secretary of the Canadian Association of General Surgeons and has been appointed to the General Surgery Advisory Council of the ACS and to the General Council of the CMA. He also served as Program Chairman of the Central Surgical Association in Banff, Alberta, March 8 - 11, 1989.

Dr. H. Bruce Williams (MGH) lent his expertise to the posts of: President of the American Society of Reconstructive Microsurgery, 1988; Vice President of the American Society of Plastic and Reconstructive Surgeons, 1988 - 89; Chairman of the Strategic Plan Task Force for Long Range Planning, American Society of Plastic and Reconstructive Surgeons and the Plastic Surgery Educational Foundation, 1989 - 90; Visiting Professor, Colombia University, New York, June 1 - 3, 1988; and, Invited Lecturer to History of Health Sciences Lecture Series, Columbia University, New York, March 30 - 31, 1989. He also was awarded a combined Medical Research Council/Industrial Grant for 1988 - 90.
A FACELIFT

The Royal Victoria Hospital's bed reallocations in 1988 have consolidated general surgery, vascular surgery, long-term care facilities and transplant surgery all in separately defined units. Orthopaedics, plastic surgery and cardiothoracic surgery were previously consolidated and this trend will continue. These new units will permit greater efficiency in patient care, teaching and research as well as create more attractive units for nursing and other health care workers.

The Surgical Laboratories at "the Vic" moved into the Hersey Pavilion and have been renamed the L.D. MacLean Surgical Research Laboratories. Surgical Teaching now has a meeting room which will also double as a study room. An "office headquarters" for Plastic Surgery was finally constructed on the third floor of the main building of the RVH. Using existing space, Plastic Surgery re-organized and attractively redecorated gaining an additional surgeon's office, and separate clerical and waiting room space. In CVT, a double office was created on the eighth floor of the surgical pavilion, thus creating a CVT centre with a total of five surgeon's offices, two examination rooms and the Vascular Laboratory.

All of this was done with some hospital funding (including savings effected within the Department), with some personal contributions of the surgeons towards their own office renovation / decoration - and with a great deal of ingenuity.

RESIDENTS' AND FELLOWS' AWARDS

Dr. Maziar Djoneidi received a research fellowship from the RVH Research Institute for 1989-90.

Dr. David Latter (RVH) will begin a fellowship in transplantation at Stanford and is expected to return to McGill in 1990.

Dr. Sarkis Meterissian placed first among all McGill Surgical residents writing the 1989 CAGS In-training examinations in surgery, and ranked fifth among 426 participants in Canada.

Dr. Leopoldo Sanchez-Cantu received the 1989-90 3M-Surgical Infection Society Fellowship.

Dr. Jose Tellado-Rodriguez has won the Lederle Fellowship from the Canadian Surgical Research Fund.

Dr. Jian Wang received the David Steard Memorial Fellowship for 1988-89, and also was awarded an internal scholarship from the Faculty of Medicine.

(From the Gazette, Wednesday, June 14, 1989, A-3.)

DOCTOR WINS $40,000 PRIZE

Dr. Lloyd MacLean, former surgeon-in-chief at Royal Victoria Hospital, has won the Gairdner Foundation's $40,000 Wightman Award for his lifetime achievements.

MacLean, 64, served at Royal Victoria for 27 years until last November. He also teaches surgery at McGill University.

He has received international recognition for his pioneering work with kidney transplants. MacLean is an Officer of the Order of Canada and received an honorary doctorate of science this month from the University of Alberta, his alma mater.

The Gairdner Foundation, a charitable organization based in Ontario, presents the Wightman Award to Canadians who have "demonstrated outstanding leadership in medicine and medical science."
GRADUATION LIST FOR
SPRING 1989

M.Sc. Degree

Corbisiero, Raffael: An ischemia reperfusion compart- ment syndrome model in the canine hindlimb. Supervisor: Dr. J.F. Symes.

Kochamba, Gary: Skeletal muscle powered cardiac as- sist. Supervisor: Dr. R. Chiu.

Matsui, Yasumoto: Bioche- mical and immunochemical studies of proteoglycans and other matrix molecules in bovine growth place in relation to endochondral calcification. Supervisor: Dr. A.R. Poole.


Ph.D. Degree

Nohr, Carl: Humoral immuno- ity in surgical patients. Supervisor: Dr. J.L. Meakins.

OUR FUTURE

To survive in the increasingly hostile world of diminishing resources, the McGill Department of Surgery is going to have to clearly define its priorities and implement a well thought out course of action to help preserve the excellence of established programs and to allow for future development. To this end, the Executive Committee of the McGill Department of Surgery has established a Strategic Planning Committee to be chaired by Dr. H.B. Williams.

The Committee is designed to broadly represent the Department: Drs. A.R.C. Dobell, M. M. Elhilali, G. Fried, R. Margo- lese, J.L. Meakins, D.S. Mulder and W. Rennie.

All members of the Department are encouraged to offer their input - it is our future.

ACKNOWLEDGEMENT

We would like to thank those of you who wrote to tell us about your activities. Some of your submissions will be appearing in upcoming editions.

BRAVE BEGINNINGS

This is our first newsletter. We have taken this initiative to ensure that there is an opportunity to acknowledge all of your achievements with pride. We strongly urge you to offer your comments and to keep us up to date on your activities. We are looking forward to developing this newsletter format and to hearing from you. Please watch for the next newsletter announcement in the fall.

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