



**DEDICATED TO THE FUTURE**

# JGH News

VOLUME 27, NO. 3

SIR MORTIMER B. DAVIS - JEWISH GENERAL HOSPITAL

FALL 1991

## Doctors Honored for Long Service



A reception was held recently to honor doctors who have served the hospital for 25 years and over. It is because of the unfaltering dedication and skills of individuals such as these, that our hospital has distinguished itself. Pictured here are, left to right: Dr. Myer Golfman (51 years) and Dr. Samuel Shuster (52 years).



**40 - 49 years.** Standing left to right: Drs. Philip Eibel, David Halperin, Solomon Ostro, Archie Kirsch, Sydney Segall, Oscar Herscovitch, Reuben Friedman, Abe Mayman. Seated left to right: Drs. Lyon Lapin, Hyman Mendelson, Moses Siminovitch, Isaac Tannenbaum, Simon Gold. More photos on pg. 7.

## Hospital Retreat Looks Ahead

Mr. Stephen Vineberg, President of the Board of Directors of the Sir Mortimer B. Davis - Jewish General Hospital, hosted a retreat to review the implementation of the hospital's strategic plan. Members of the President's Advisory Committee, the Medical Executive and Planning and Priorities Committee gathered at Mr. Vineberg's St. Sauveur home to share their thoughts on issues such as improved communication between the medical staff, the board and the administration, the relationship between research and clinical practice, and how best to establish and implement future priorities. The welfare of patients was the overriding concern throughout all the discussions. Participants were most pleased with the cooperative atmosphere and the gracious hospitality of Mr. and Mrs. Vineberg. □



Left to right: Dr. Calvin Melmed, Chairman of the Medical Executive Committee; Mr. Leonard Ellen, Immediate Past President; Mr. Stephen Vineberg, President; Mr. Archie Deskin, Executive Director; Dr. Richard Margolese, Chief, Department of Oncology.

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Please recycle



## Concert Benefits Cardiac Surgery



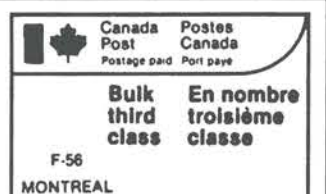
Hats off to the Auxiliary, who organized a benefit concert to raise funds for the hospital's new Division of Cardiac Surgery. At the Michael Feinstein concert, Auxiliary President Rona Miller presented Dr. Nathan Sheiner, Chief of the JGH Department of Surgery, with a \$100,000 cheque for the purchase of a heart pump.

Pictured here, Dr. Sheiner, (centre), proudly introduces the members of the Cardiac Surgery team. Left to right: Dr. Yves Langlois, cardiac surgeon; Corinne Capdeville, head nurse, cardiac surgical unit; Dr. Marie-Josée Crowe, cardiac-anesthesiologist; Dr. Robert Goodman, cardiac surgeon; François Pelleran, cardiac pump technician.

## Health Minister visits the JGH



Jewish General Hospital President Stephen Vineberg (centre) and Executive Director Archie Deskin (left), were pleased to welcome Quebec Minister of Health and Social Services, Marc-Yvan Côté (right) on a recent visit to the hospital.



3755 Ch. de la Côte Ste-Catherine, Montréal Qué. H3T 1E2



## Appointment



Dr. Jorge Enrique Silva has been appointed chief of the Division of Endocrinology and Metabolism and full professor at McGill University. He is a nationally recognized expert in thyroid disease with an interest in thyroid and energy metabolism.

A native of Santiago, Chile, Dr. Silva received his M.D. in 1968 from the University of Chile School of Medicine. He completed his residency at the University of Chile Hospital, Salvador and the Department of Experimental Medicine (Endocrinology), University of Chile Medical School. From 1974-76, he was a research fellow in endocrinology at the Montefiore Hospital and Medical Center, Bronx, New York, and spent the following year as a research fellow in medicine at Harvard Medical School in Boston.

An associate professor of medicine at Harvard Medical School since 1985, Dr. Silva's hospital affiliations included Brigham and Women's and Beth Israel Hospitals, both in Boston.

Dr. Silva received his certification in internal medicine, as well as in the subspecialty of endocrinology and metabolism, from the American Board of Internal Medicine in 1981 and 1987 respectively. A fellow of the American College of Physicians, Dr. Silva is currently a member of, among others, the American Thyroid Association, the American Association for the Advancement of Science, the American Federation for Clinical Research, and the American Society for Clinical Investigation.

An Associate Editor of Thyroid, (the official publication of the American Thyroid Association), Dr. Silva is the author of over 65 publications in medical journals and 24 reviews, book chapters and symposia.

He succeeds Dr. Amnon Kahn who served as chief of the Division of Endocrinology since 1975 and now continues in private practice. □

The JGH News is published by the Sir Mortimer B. Davis Jewish General Hospital to inform the community about hospital developments, and to promote mutual understanding between the hospital and those whom it serves.

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## Félicitations



M. Jean-Claude Rondeau (right), President of the Office de la langue française, presents a certificate of merit to the hospital for providing services in French and complying with the provisions of the French Language Charter. Hospital President Stephen Vineberg (left) accepts the certificate on behalf of the hospital. □

## Occupational therapists honored for excellence

Ruth Shamah, Director of the JGH Occupational Therapy Department, runs one of the best OT departments in the world, according to Dr. Christina Hui-Chan, Director of the McGill School of Physical and Occupational Therapy.



Dr. Christina Hui-Chan (left) and Sonja Marcu (right).

Ms. Shamah and colleague Sonja Marcu were presented with long service awards for excellence in clinical teaching at the school's Spring Clinical Day.

Dr. Hui-Chan praised Ms. Shamah and Mrs. Marcu for their infectious enthusiasm and dedication to teaching. Describing Ms. Shamah's lasting contributions to the field of OT, Dr. Hui-Chan noted, "Yes there have been books, papers, presentations and much clinical work, but more important has been her contributions to the overall perception of our profession...she turns OT into magic."

Since Ms. Shamah was out of town, Mrs. Marcu accepted both awards. □

## Zemelman Award



Dr. Neil Inhaber has been selected as this year's winner of the Sheldon Zemelman Memorial Award. The annual cash prize is awarded to a resident whose sensitivity to patient care and contribution to the Department of Medicine are deemed to be outstanding. The award was established in memory of Dr. Sheldon Zemelman, a popular and well respected resident at the JGH. □

## Louis Gross / Harold Segall Annual Memorial Lecture

Speaker: **Dr. Leonard Pinsky**  
Director of the JGH Division of Genetics and of the McGill University Centre for Human Genetics.

*"A geneticist's view of western medicine in the 21st century"*

**Date:** Monday  
December 2, 1991

**Time:** 8 p.m.

**Place:**  
Block Amphitheatre  
Jewish General Hospital

*Everyone Welcome!*

## Bronfman Medal

Chief of General Surgery Dr. Harvey Sigman is the recipient of the Allied Jewish Community Services Bronfman Medal for 1991. This award is given annually in recognition of extraordinary service to one who has been a leader in the Montreal Jewish community over a long period of time. □

## Invited to International Review Team

Director of Research Dr. Samuel O. Freedman, O.C., has been honored by invitations to serve on two international review teams that will evaluate the scientific activities of two major Canadian granting agencies - The National Cancer Institute of Canada and the Alberta Heritage Foundation for Medical Research.

Dr. Freedman will be one of two Canadians on an international review team to advise the National Cancer Institute for the next five years on its programs of grants and personnel support to investigators in cancer research in Canada. The other Canadian is Dr. George Connell, former president of the University of Toronto. The remaining members of the review team are distinguished professors from the United States, the United Kingdom, Australia and several European countries.

In addition, the Premier of the Province of Alberta has invited Dr. Freedman to chair an International Board of Review that will make recommendations concerning the programs of the Alberta Heritage Foundation for Medical Research. Dr. Freedman is the only Canadian asked to serve on the review team. The remaining members are biomedical scientists from the United States, United Kingdom, Japan, France, Sweden and several other countries.

The fact that a biomedical scientist from the Jewish General and the Lady Davis Institute has been asked to serve on these distinguished review teams is a reflection of the high esteem in which the Institute is held across Canada. □

## Grant to study ethical issues

Dr. Benjamin Freedman, JGH Clinical Ethicist and Professor, McGill University Centre for Medicine, Ethics and Law, and Dr. Abraham Fuks of the McGill Cancer Centre, have received a \$200,000 grant from the Social Sciences and Humanities Research Council of Canada - Applied Ethics Program. The three year grant (91-94) will be used to study ethical issues in the design, management and interpretation of multi-centre clinical trials, particularly those related to cancer. Coinvestigators are James Robbins, Ph.D., Institute of Community and Family Psychiatry, and Stanley Shapiro, Ph.D., McGill Department of Epidemiology and Biostatistics. □

## Gifts for Sun Youth

The Telecommunications Department is once again collecting non-perishable food stuffs for Sun Youth's Christmas Basket Campaign. Help us to top last year's bountiful collection of 49 boxes and cash donations.

Donations can be made beginning in November till December 19th, at the Switchboard, room A038. For more information, please call: Nicole Leclerc or Chisline Mallet, 340-8305.

# JGH Department of Psychiatry

## ...an example of excellence despite constraints



Participating in a simulated family therapy session are, left to right: Alice Dind, Dr. Mark Adams, Anna Seccareccia, Dr. Ron Feldman, Dr. Liliane Spector-Dunsky.

Psychiatric problems can strike at any time, affecting people throughout the life cycle, from early childhood to old age. Dr. Philip Beck, Chief of the JGH Department of Psychiatry, is quick to point out that severe forms of psychosis, schizophrenia, major affective disorders (e.g. depression), and personality and behavioral disorders are more common than most people realize.

The breakdown of the family and other traditional support networks has led to a situation where, having nowhere else to turn, people with emotional problems gravitate to the health care system. Coupled with a government trend towards shorter hospital stays, this has resulted in an overwhelming demand for hospital services on the part of the chronically ill.

### Renovations urgently needed

Many of these patients wind up at the Jewish General Hospital's Department of Psychiatry which is responsible for a sector of 130,000 city residents. Since a full 25% of the 39 beds in Psychiatry (4E, 4NE and high care) are occupied by long term patients, renovations are urgently required to deal with this patient overload. Says Dr. Beck, "Given the very high volume of acutely ill patients, they could certainly benefit from additional space".

Renovations are also required in Child Psychiatry, while more space is needed to accommodate occupational therapy services, which provide job retraining,

community integration and assistance with daily living skills. The estimated cost of these renovations is \$500,000.

### Emergency psychiatry overloaded

The situation is equally critical in the Emergency Psychiatry Service, which receives 4,000 patient visits per year. Patients are evaluated to determine whether they are suffering from a medical, organic or psychosocial crisis (including suicidal risk). Depending on the situation, they are either placed under observation, hospitalized or discharged and sent for follow-up care.

As one of the busiest psychiatric emergency departments in the city, this service must be expanded. "There has to be a better way of coping with this excessive demand," warns Dr. Beck. "These people are sufficiently ill that they cannot be sent home. But our space is cramped, our staffing is inadequate, and there are so few resources in the community that we cannot even transfer patients to other facilities."

### Individual seen as part of community

The philosophy of the Psychiatry Department, according to Dr. Beck, is to treat the patient as an individual while never losing sight of the individual as part of a larger social system, "We've always had a strong academic and humanistic approach to health care, with a particular interest in the individual in the context of his or her family and the community."

## Family Therapy Program accredited

In July 1991, the Institute's Couple and Family Therapy Training Program was granted accreditation as a Post-Graduate Training Program by the American Association for Marriage and Family Therapy (AAMFT). Dr. Beck considers this a "major coup", as only one other post-graduate program in Canada has similar accreditation. Moreover, the AAMFT, as the major voice for family therapy in North America, sets the standards for excellence in the field.

Family therapy is concerned with how problems faced by an individual affect the other family members. It involves dealing with problems as a group and trying to find solutions together. It is not about laying the blame

and pointing fingers at one another, explains Dr. Beck.

Under the leadership of Dr. Ronald Feldman, Director, and Dr. Liliane Spector-Dunsky, Co-Director, the Couple and Family Therapy Training Program is offered in English and French over a four year period to mental health practitioners who already possess a master's or doctoral degree.

In awarding accreditation, the AAMFT praised the Jewish General Program for its orientation to the public sector, its bilingualism, the high number of AAMFT-approved supervisors in its faculty, and its long history of excellence in family therapy training and service. □

In fact, the department maintains close links with physicians as well as social service and health care agencies in the community, and has a consultation service available to all areas of the hospital. Members of this department also participate on government committees, helping to formulate general and specific policies regarding mental health.

Nurses in the Department of Psychiatry have a great deal of responsibility, including evaluating new patients, dealing with families of the mentally ill, creating and maintaining a therapeutic environment, delivering outpatient services, and assisting in the development of proper management plans.

### Wide Range of outpatient services

A wide variety of treatment services is offered by the department on an outpatient basis at the Institute of Community and Family Psychiatry (ICFP). There are clinics to evaluate and assess patients, medication and subspecialty clinics (e.g. for treatment of problems such as manic-depression), behaviour therapy, a sexual dysfunction clinic, rehabilitation services, a day hospital, extended care services (long term care of chronically ill patients), services for children and youth, and a family therapy service which has gained an enviable reputation for excellence. The department also oversees a supervised apartment living project designed to foster independence in patients who are capable of functioning within the community.

Another active and highly successful project is the Psychogeriatric Treatment Program. By caring for often isolated elderly patients and providing them with much needed outlets for socialization, the program has effectively kept many of them out of the hospital. This is all the more remarkable considering that some of these patients have had longstanding psychiatric problems throughout their lives. For those who require it, home care is available.

### Research: a priority

Dr. Beck, who has been with the JGH for over 20 years, was appointed chief of the Department of Psychiatry in 1988, succeeding Dr. Henry Kravitz, Chief Emeritus, who continues to maintain strong ties with the department. Dr. Beck has concentrated his efforts on reorganizing clinical services in the context of severe budgetary restrictions and personnel shortages, and increasing the department's academic and research activities.

The research section, directed by Dr. John Sigal, is gaining international recognition for its contributions to psychiatric thought and practice. Members of the department are routinely invited to edit books, write book chapters, give presentations at international conferences and work with study and policy making groups around the world.

This success is a source of great pride to Dr. Beck. "There has been a major effort to increase our commitment to research, to complement our strengths in clinical care and in teaching psychiatry at McGill University," he explains.

Members of the department are actively involved in research covering a broad spectrum of mental health issues. These include patient care; community, family, geriatric and transcultural psychiatry; psychodynamics and psychotherapy; emotional, personality and somatization disorders (presentation of

illness and body concept) sexual dysfunction.

For example, in the community psychiatry category, there is a research project on pregnancy and drug abuse, another on postpartum depression. Dr. John Sigal's book about the intergenerational effects of the Holocaust, *Trauma and Rebirth*, (co-authored by Morton Weinfeld), was based on detailed surveys of three generations of Jewish Montrealers. Dr. Jean Claude Lasry has done extensive research on cultural communities in Quebec, with a specific focus on Montreal's North African Jewish community.

Dr. Laurence Kirmayer, who was recently appointed Director, Division of Social and Transcultural Psychiatry, McGill University, is working closely with Inuit health care centres, studying the mental health problems of Eskimos. Dr. Kirmayer also is working on a study of individuals' concepts of mind, self and person, and has collaborated with Dr. Jim Robbins on a study of physicians' responses to patients' complaints of fatigue.

Other projects include a study of the quality of life in patients with breast cancer, an examination of the outcomes (results and benefits) of various forms of therapy, a follow-up investigation of the intellectual development of very low birth weight babies, and suicide in schizophrenics. □



Left to right: Drs. Ronald Feldman, Liliane Spector-Dunsky and Philip Beck.

## Focus of the Department of Psychiatry

**Clinical activities:** The department provides treatment programs for individuals and groups of all ages - childhood to the elderly - on an in and outpatient basis. Urgent problems are treated in the high care ward and emergency psychiatry.

**Research:** Some of the research projects currently underway deal with community, family, geriatric and transcultural psychiatry, as well as emotional and personality disorders.

**Teaching:** Members of the Department of Psychiatry train residents and medical students from McGill University.

*Funding for these essential teaching and research activities is NOT provided by the government.*

*Severe overcrowding necessitates renovations at a cost of \$500,000.*

# Research unlocks the

## ...in the clinic

These days, in virtually every hospital department, physician scientists are pursuing their research interests. The brief descriptions below provide a representative sampling of projects currently underway and are by no means all inclusive. We will discuss other research projects in subsequent issues.

### Aging

**Drs. A. Mark Clarfield**, Director of the Geriatric Division, and Assistant Director **Howard Bergman**, are conducting numerous multi-disciplinary drug trials for patients with dementia, focussing on the effects of medication on performance. They also are collaborating closely with Dr. Eugenia Wang, Director of the Bloomfield Centre for Research in Aging.

### Obstetrics/Gynecology

Chief of the Department of Obstetrics/Gynecology **Dr. Morrie Gelfand** is providing hormone replacement therapy for women undergoing menopause. By testing different drug combinations, he is hoping to lessen complications and improve the quality of life for these women. Drs. Gelfand and **Alex Ferenczy** have been investigating the effects of estrogen and progesterin on the endometrium in postmenopausal women. **Dr. Barbara Sherwin**, a clinical psychologist, is studying the effects of estrogen on memory and moods, and the clinical consequences of endocrine changes at menopause. **Drs. Togas**

**Tulandi and Emily Hamilton** are involved in a research project to determine the causes of preterm labor, and to study the mechanisms of postpartum depression.

### Pediatrics

Neonatologist-in-chief **Dr. Apostolos Papageorgiou** and colleague **Dr. Jean-Claude Le Guennec** are treating newborns with special material to improve lung functioning. Other studies involve breathing in very low birth weight babies, and, in collaboration with hospital psychologists, the study of the intellectual development of premature infants.

### Cardiology

Division Chief **Dr. John McCans** is studying the effects of different drugs to treat heart conditions. For example, it was found that a certain drug given to patients who have had heart attacks increased their survival rate in subsequent years (following the attack) by close to 50%. In another study, a certain medication was found to reduce the risk factor for some patients with unstable angina by up to 90%. **Dr. George Honos** is participating with other hospitals in drug trials to determine the effects of digitalis on length and quality of life. **Dr. Leonidas Dragatakis** has been collaborating with JGH radiologists on studies of the effects of dyes used in performing angiographies. **Dr. David Langleben** is involved in clinical research, primarily

on cholesterol levels, and lab research where he is examining cells from arteries grown in culture to better understand the mechanism of heart disease. **Dr. Ann Walling** is studying heart function in patients who have had a myocardial infarct. She is seeking to better determine the extent of damage to the heart and how to best recover from this damage.

### Radiology

Research in this field is being conducted under the direction of **Dr. Max Palayew** of the Department of Radiology. High and low contrast dyes used in radiology testing are being compared in terms of incidence of side effects.

### Dermatology

**Dr. Robin Billick**, Chief of the Division of Dermatology, currently is testing new methods of removing age spots which will involve minimum trauma to the patient.

### Emergency

The main research focus of the Emergency research division, under the direction of chief **Dr. Marc Afilalo**, is the management of acute asthma in the Emergency Department. Secondary projects include the management of acute unstable angina and myocardial infarctions. The division also is working on establishing a research program on acute disease processes in the geriatric population.

### Hematology

Under the direction of **Dr. Arthur Rosenberg**, Chief of the Division of Hematology and **Dr. Steven Caplan**, members of this division are conducting a number of joint research projects with the Department of Oncology, testing the effects of different drugs for patients suffering from cancer and blood disorders.

### Orthopedics

**Dr. Pierre Dupuis**, Acting Chief of the Department of Orthopedics, is interested in new surgical methods to alleviate chronic back pain. **Dr. Peter Jarzem** is interested in spinal cord injuries.

### Pulmonary

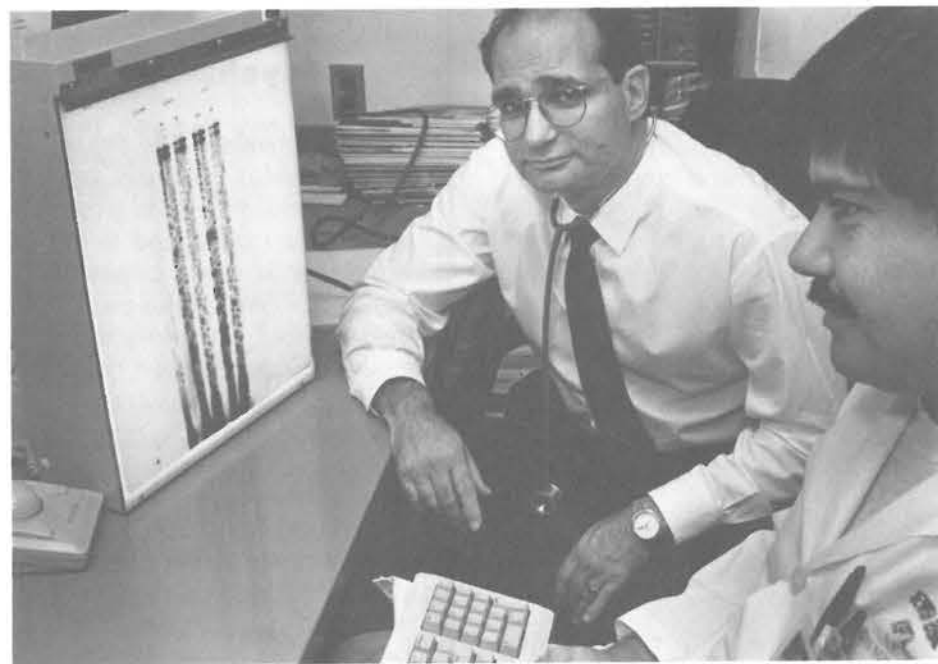
**Dr. Harvey Kreisman**, Chief of the Pulmonary Division, and **Dr. Denis Laporta** are studying respiratory illnesses, particularly asthma, and lung function. Their research involves drug treatments, improving the effectiveness of respirators, and determining the best way to administer ventolin to asthmatic patients.

### Nursing

**Linda Edgar**, Director of Nursing Research, is a co-investigator on many psychosocial projects including geriatric assessments, dealing with cancer, and how patients who have shorter hospital stays with extensive follow-up manage once outside the hospital.

## At the cutting edge of hormone research

As technology advances at a rapid pace, investigators at the hospital's Lady Davis Institute are able to make exciting new discoveries in their research.



*Dr. Mark Trifiro (left) and technician Carlos Alvarado analyze a gene for the androgen receptor.*

**Dr. Mark Trifiro**, a JGH endocrinologist and research scientist, is one such investigator. An expert in cloning and DNA technology, which involves manipulating and isolating human DNA, he works closely with geneticist **Dr. Leonard Pinsky** and colleague **Dr. Maurice Kaufman**. And while his research focuses on a specific hormone

disorder, it has vital implications for the study of certain types of cancers.

**Dr. Trifiro** studies androgen hormone receptors in a rare problem called androgen-resistance syndrome. The hormones in our bodies can only work through their receptors. If the receptor is missing, the body will develop a resistance to its own male hormone (an-

drogen). Because the androgen does not filter through, people with this disorder look and act entirely like females. However, as genetic males, they lack ovaries and a uterus and are therefore infertile. The problem only becomes apparent during puberty, when the teenager affected does not menstruate.

Androgen resistance is an x-linked hereditary disorder, which means one of the mother's two x chromosomes has this mutation. If the son receives the mutated x chromosome instead of the healthy one, he will have the disorder. A daughter, on the other hand, will not be affected herself, but is a potential carrier. Once it appears in a given family, the disorder can affect succeeding generations. Colour blindness and hemophilia are other examples of x-linked problems.

The explosion in recombinant DNA technology within the past decade has allowed **Dr. Trifiro** and his colleagues to make great headway in the study of androgen-resistance. "The complexity of this type of research is quite high," he admits, "but the payoff is unbelievable." He cites human erythropoietin and human growth hormone as examples of the benefits of DNA technology.

As **Dr. Trifiro** explains, human DNA is made up of millions of complex coded messages or bits. In people who are androgen-resistant, only one single bit of DNA has somehow changed. Through a blood sample, scientists in the Lady Davis Institute's genetics laboratory can now isolate DNA from the blood and

pinpoint the exact location of the problem. The tiny bit of DNA which codes for the male hormone receptor is chemically amplified and the DNA sequence is analyzed. "When we first did this in 1989," recalls **Dr. Trifiro**, "we found one solitary mistake in the DNA. Since then, we have discovered thirty different types of mutations in the DNA from 35 affected families".

As well, his team is now able to screen female members of an affected family to determine whether or not they are carriers of the disorder and to provide prenatal diagnosis. Unfortunately, the cost of this screening is not covered by medicare.

**Dr. Trifiro** is justifiably proud of the work being carried out on androgen-resistance in the LDI genetics laboratory headed by **Dr. Pinsky**. "There are only two other centres in the United States where this problem is being studied, and nowhere else is it being done at our level," he says.

Why devote so much time and effort to the study of such a rare disorder? **Dr. Trifiro** points out that this type of research has far-reaching implications. "By studying mutations - which is abnormal - we learn a tremendous amount about normal receptors." Understanding how hormones function is useful in learning more about cancer. For instance, in some cases of breast cancer, there are abnormal estrogen receptors, and abnormal androgen-receptors have been linked to prostate cancer. □

# answers

## ...in the laboratory

The hospital's reputation for excellence in research has attracted outstanding individuals to our staff.

**Dr. Samuel O. Freedman, O.C.**, Director of Research, previously served as Dean of the Faculty of Medicine and Vice-Principal (Academic) at McGill University. He has achieved international recognition for his expertise in allergy and immunology.

**Dr. Elliot Alpert**, Chief of the Department of Medicine and a renowned physician scientist whose principal interest is liver research, came to the JGH from the Baylor College of Medicine in Texas. In addition to his position at the hospital, he is Vice Chairman of McGill University's Department of Medicine.

**Dr. Mark Wainberg**, Scientific Director at our hospital's Lady Davis Institute for Medical Research is internationally known for his research in AIDS. He is also the Director of the McGill AIDS Centre.

**Dr. Benjamin Freedman** is a key member of the Ethics Committee that reviews all clinical research projects at the hospital. Dr. Freedman, who is a professor at McGill University's Centre for Medicine, Ethics and Law, is a prolific author who has published many papers on medical ethics.

Scientists at the Hospital's Lady Davis Institute have been conducting research in a variety of fields. Below is a brief description of LDI researchers and their ongoing contributions to scientific knowledge.

### Aging

**Dr. Eugenia Wang**, Director of the Bloomfield Centre for Research in Aging, is conducting exciting research into age-related diseases. A recipient of the Medical Research Council's Scientist Award, her work is funded by the Canadian Medical Research Council and the

National Institutes of Health (U.S.). Dr. Wang discovered the protein statin, which may be useful in developing simple diagnostic tests for Alzheimer's disease. A number of scientists are associated with the Bloomfield Centre.

- **Drs. Howard Chertkow and Hyman Schipper** are focussing on two age-related illnesses: Alzheimer's and Parkinson's disease.

- **Dr. Lorraine Chalifour**, an expert in molecular biology, is investigating the aging process in cardiac muscle.

### Cancer

**Dr. Richard Margolese**, Chief of the Department of Oncology, divides his time between clinical, surgical and research activities. A Terry Fox grant from the National Cancer Institute will enable Dr. Margolese to hire four scientists to lead a research team which will combine clinical research with basic laboratory research on how cancer cells grow. Many other physician scientists also have been actively engaged in research and treatment of cancer patients:

- **Drs. Benjamin Mitmaker and Philip Gordon**, recipients of a prestigious American Society of Colon and Rectal Surgery Award for Scientific Merit, are collaborating with Dr. Wang in developing diagnostic tests for cancer.

- **Dr. Gopalan Shyamala**, whose internationally recognized work has been funded by the National Cancer Institute since 1975, is studying how hormones influence cancer growth.

- **Dr. Alex Ferenczy**, an expert in cancer of the female reproductive system, is collaborating with Dr. Shyamala on studies of cancer of the womb.

- **Dr. Lawrence Panasci** is investigating why some cancer cells resist drugs used in chemotherapy.

- **Dr. Michael Pollak** has been widely acclaimed for his studies in the treatment of breast cancer.

### Clinical investigation in medicine

**Dr. Elliot Alpert** is well known for his contributions to the field of cancer research and liver disease. He has been awarded many grants, including a research training grant to train M.D.'s and Ph.D.'s in basic research in GI and liver diseases. Dr. Alpert was instrumental in developing the first blood test diagnostic for liver cancer. He also is working on a diagnostic test for lung cancer.

- **Dr. Norman Kalant**, who has been funded by the Medical Research Council for the past 30 years, continues his important studies in diabetes.

- **Dr. David Langleben**, a cardiologist, receives funding from the Medical Research Council and the Heart Foundation for his research in heart disease.

- **Drs. Premysl Ponka and Herbert Schulman** are examining the role of iron in blood disorders and anemia.

- **Drs. Ralph Germinario and Michael Laughrea** are studying problems of intermediary metabolism and regulation of cell growth.

- **Dr. William Cupples**, who is funded by the Medical Research Council as well as the Heart and Stroke Foundation of Canada and of Quebec, is examining problems of kidney failure.

- **Dr. Bernard Segal** is studying blood circulation problems.

### Genetics

Under the direction of geneticist **Dr. Leonard Pinsky**, the LDI's cell genetic laboratory has helped place this hospital at the forefront of genetic research. Dr. Pinsky, who is widely recognized for his work on how the sex of infants is determined, has the largest collection of data in his field.

- **Dr. Mark Trifiro**, a molecular biologist, is studying the inheritance of thyroid and other endocrine diseases in infants.

### AIDS and infectious diseases

**Dr. Mark Wainberg** is a pioneer in AIDS research. His lab has been designated as one of the primary AIDS research centres in Canada and an important training ground for the next generation of AIDS scientists.

Listed below are some of the other JGH scientists who are studying various dimensions of AIDS:

- **Dr. John Hiscott** is studying how viruses infect humans.

- **Dr. Bluma Brenner** is investigating why some people resist viral infections more than others.

- **Dr. Lawrence Kleiman** is concentrating on the chemical structure of viruses.

- **Dr. Michael Parniak** is studying drugs that may cure or alleviate AIDS infection.

- **Dr. André Dascal**, an infectious diseases specialist, obtains specimens from his patients which are then isolated and analyzed in the laboratory.

- **Dr. Mervyn Gornitsky**, Chief of the Dental Department, is involved in clinical research. Within the McGill system, the JGH dental clinic is the primary location for treating patients who either have AIDS or have tested positive for HIV.

### Quality of life

In addition to laboratory and clinical research, members of the medical staff display a keen interest in psychosocial research designed to improve quality of life. A wide range of issues is under investigation. These include medical ethics (**Dr. Benjamin Freedman**), community health (**Dr. Jean-Claude Lasry**), and insomnia in the elderly (**Dr. Eva Libman**). □

## Researcher visits LDI



Dr. David Murphy (left) of the Institute of Molecular and Cellular Biology at the University of Singapore, paid a visit to the lab of LDI researcher Dr. John Hiscott (centre). They discussed collaborative projects in the area of gene regulation - comparing how genes are turned on and off in normal cells and cancer cells. Seated is Lucie Cohen, a graduate student who works in Dr. Hiscott's lab. □

Once upon a time,  
we were threatened by

TB  
Polio  
Smallpox  
Rheumatic fever  
Rickets  
Whooping cough

Research made the difference

Now,  
we must conquer

Heart disease  
Cancer  
Stroke  
Alzheimer's  
AIDS

Research will make the difference

Our researchers at the hospital's Lady Davis Institute are searching for answers, more effective treatments and cures in order to make the diseases of today problems of the past.

Research alone provides the clues to the mysteries of disease. Research is the key to early detection, improved diagnosis, better treatment. It is, in fact, the key to patient care.

# Some thoughts on choosing a research career

Defining research itself as a "talent for finding the unknown", Dr. Eugenia Wang says scientists must have inquisitive minds. "I'm not satisfied to take things at face value," she explains.

Along with this burning desire to know more, the researcher must have ambition, which Dr. Wang defines as the ability to set and meet one's own challenges. "If I can say I challenged myself more today than yesterday, then I've accomplished something." In fact, she chose to study aging because she wanted a new challenge.



Dr. Eugenia Wang, Director of the Bloomfield Centre for Research in Aging.

She had been studying cancer, which, at the cellular level, is the opposite of aging, but the field was becoming too crowded. "Ten years ago, no one wanted to study aging. It was considered eccentric."

Succeeding at research, says Dr. Wang, requires an excellent grasp of facts plus a vivid imagination. "A good scientist has to have the imagination

and the discipline of an artist, otherwise, he or she is merely a technician." For instance, concert pianists must spend years learning musical theory and performance within a rigid format before they can add their personal interpretation to the music. Likewise, scientists must diligently gather the facts, slowly building a framework of knowledge, before they can take the leap of imagination which leads to exciting discoveries and new ways of thinking.

One of the most important, and most difficult things a scientist must learn is how to overcome the fear of failure. Dr. Wang teaches her students that everyone will fail at some point - the challenge is to learn from one's mistakes. Besides, she adds, "In research, the process is more enjoyable than the goal." By focussing only on the goal, a great deal can be missed. It is during the process itself, that the scientist, who is constantly aware and alert, can explore different possibilities and respond to unpredictable findings.

In the end, says Dr. Wang, "If you aim for excellence, it doesn't matter what you do for a living. The key is to discover what you're good at."

For Dr. Leonard Pinsky, it was not so much a question of his choosing research, but rather research choosing him. As he explains, "It's a need that comes from inside. I'm driven to do research. Just as a novelist has to write, and a composer has to compose, so too does a scientist have to do research." It is this inner drive that motivates the research scientist to put in long hours at work, often at the expense of a conventional social life.

Dr. Pinsky admits to a certain naiveté when he first began his research career. In those days, "the idea was that you could be a triple threat - a first class researcher, physician and teacher."

Today, medical students and young doctors who choose research harbor no such illusions. Dr. Pinsky warns his students of the harsh realities of a career in research. Among these, he cites the need to be successful in competing for public funds to support one's research, and the perils of the anonymous peer review system. In this system, a researcher's work is judged around the world by those with whom he or she is in direct competition. "Your peers, who compete with you for funding, recognition and scientific eminence, are also your judges. It's a tough system, but it's easy to see why it works."

Even when a medical researcher is competitively successful, additional funds from private sources can make a big difference. Adds Dr. Pinsky, "This is especially true in a country like Canada that shortsightedly devotes so little of its resources to Research and Development."

What does it take to be a competitively successful research scientist? Dr. Pinsky believes there are four essential elements: training, curiosity, creativity and energy. The first prerequisite, broad, ongoing training, is especially important in an age when medical science and technology have become so complex.

The second step, curiosity, is not just the desire, but the need to know more. Then, creativity takes over. "Creativity," says Dr. Pinsky, "is when you do something with the information you reap as the harvest of your curiosity." It involves putting all the pieces together into a coherent whole. And it's a process that requires much energy, and often, persistence. The drive of a scientist can be so powerful that it excludes all else. Concludes Dr. Pinsky, "My work is with me all the time. Just ask my wife!" □



Dr. Leonard Pinsky, Chief of the JGH Division of Genetics.

## A strong voice for laryngectomees

by Anita Silverman

The Department of Speech Pathology, in conjunction with the Department of Otolaryngology, hosted a reception for Mr. Joseph Hazan in recognition of his outstanding efforts on behalf of fellow laryngectomees. As President of the Quebec Federation of Laryngectomees, Mr. Hazan was instrumental in ensuring that artificial larynges and voice prostheses are available to all laryngectomy patients. These devices, in conjunction with speech therapy, allow each patient to achieve his or her maximum potential in voice rehabilitation.

Mr. Hazan was diagnosed with cancer of the larynx (vocal cords) 11 years ago. He underwent a total laryngectomy (removal of the vocal cords), performed by Dr. Martin Black, chief otolaryngologist at the JGH.

Temporarily confined to a world of silence, Mr. Hazan attended individual and group therapy sessions at the JGH Department of Speech Pathology. He mastered esophageal speech, a method of voice rehabilitation which involves learning to inject and compress air at the back of the mouth to the esophagus to create a new vibratory source for speech. Mr. Hazan then became a strong voice negotiating with the Quebec government to expand services for the laryngectomy population.

Another method of voice rehabilitation, pioneered by the JGH departments of Otolaryngology and Speech Pathology, is called tracheo-esophageal voice. Patients use their own pulmonary air, allowing them to duplicate a more natural phrasing style and vary their loud-

ness level. Voice quality is generally superior to esophageal speech.

The third method is mechanical. Immediately after surgery, each patient receives an artificial larynx, battery operated for sound, while the patient continues to mouth the words. With the popularity of voice synthesizers in computers, this form of communication has gained acceptance.

The speech-language pathologist, along with the patient's otolaryngologist, can best guide and instruct the patient regarding his or her voice rehabilitation. In addition, through individual and group therapy sessions, the speech-language pathologist provides pre-operative counselling, education and emotional support to overcome the trauma of losing one's voice. The support from fellow laryngectomees is invaluable, as witnessed by the many laryngectomees who came to give tribute to Mr. Hazan at the reception.

A facilitator at Hope and Cope and actively involved with the Canadian



Left to right: Dr. Martin Black, Bernice Mendelsohn, Director, Audiology and Speech Language Pathology, Mr. Joseph Hazan, Mrs. Hazan, Anita Silverman and Mr. Don Reny.

Cancer Society, Mr. Hazan's next project is to increase government awareness of the "other head and neck cancer patients". Many of these patients have lost both the ability to voice and the ability to articulate. Under the direction of Dr. Black, the Department of Otolaryngology has become a centre for head and neck oncology. The hospital is hop-

ing to get government funding to establish an Augmentative Communication Laboratory to enable these patients to maintain effective communication.

For further information, please contact Anita Silverman, speech-language pathologist, Department of Speech Pathology at 340-8276. □

## Doctors honored for long service

Continued from page 1



**30-39 years** Standing left to right: Dr. Harold Goldfarb, Dr. Don Boyaner, Dr. Morris Sabin, Dr. Norman Nadler, Dr. Edward Slapcoff. Seated left to right: Dr. Albert Simon, Dr. Aaron Gordon, Dr. Irwin Glickman, Dr. Naomi Lowe, Dr. Ernest Burman



**30-39 years** Standing left to right: Dr. Maurice Schwartz, Dr. Arthur Cooperberg, Dr. Ned Better, Dr. Philip Brownstein, Dr. David Elkin. Seated left to right: Dr. Edward Levinson, Dr. Paul Ittkin, Dr. Irving Lapin, Dr. Albert Wolfe.



**25-30 years** Standing, left to right: Dr. Harvey Sigman, Dr. Eugene Edelstein, Dr. Hyman Reisler, Dr. Shulum Friedman, Dr. Nathan Sheiner, Dr. Gabor Komaromi, Dr. Herbert Blumer, Dr. Brahm Hyams, Dr. Arthur Freedman, Dr. Benjamin Mitmaker. Seated left to right: Dr. Jack Cohen, Dr. Amnon Kahn, Dr. Israel Libman, Dr. Danny Bercovitch, Dr. Jack Mendelson.

## Breaking the Silence

Abuse and neglect of the elderly, as shocking as it may seem, is not a new phenomenon in our society. It has begun to receive greater attention because of the increase in Canada's elderly population as well as the lack of resources available to assist overburdened families in caring for elderly relatives who can no longer carry on independently. Precise information still needs to be gathered on the extent and various facets of the abuse.

As of July 15, 1991, the JGH Social Work Department has been screening all elderly clients for abuse and/or neglect. This project has been developed under the auspices of Jewish Family

Services Social Service Centre, which has been involved in a project of its own to help abused and neglected elderly since January 1990.

In addition to systematic screening of all elderly to detect those in need of protection as well as those at risk of abuse and neglect, the Social Work Department will be embarking on a hospital-wide education campaign to sensitize hospital personnel to the existence of abuse and neglect among the elderly. Staff will be taught what risk factors to look for and what steps to take when abuse or neglect is either noted or suspected. □

## A happy send-off

The fifth floor maternity ward offers an escort service with a difference. Designed by the Humanization of Care Committee and the Volunteer Department, the service uses a volunteer to escort mothers, fathers, and their babies to the lobby. First-time mothers are often especially anxious, and the volunteer does everything from dressing the baby to carrying the luggage or holding the infant and keeping the mother company while the father gets the car.

Mrs. Rita Singer, who spends one morning per week

escorting mothers and their little ones, says mothers genuinely appreciate the assistance, and therefore, as a volunteer, she receives instant satisfaction. "If you just talk to them and tell them their anxiety is perfectly normal, they're put at ease."

Barbara Fiederer, Director of the Volunteer Department, sees the obstetrical escort service as yet another example of



Volunteer Rita Singer (back row, second from left) escorts the Lansky family from the fifth floor to the lobby.

how a concerned volunteer can make the care of hospital patients more personal. "It's a very useful service which creates a warm bond between the hospital, the patients and the volunteer." She adds that the department would like to offer this service more than just one day a week. If you would like to volunteer, please call 340-8222, local 5984. □

## Helping women cope with menopause

At a day-long seminar held at the JGH, experts in the study and practice of treating women in the menopause described the "why, how and when" of hormone replacement therapy (HRT). Directed by Dr. Morrie Gelfand, Professor of Obstetrics and Gynecology, JGH Obstetrician-in-Chief, and Dr. Alex Ferenczy, Professor of Pathology, Obstetrics and Gynecology, the seminar was geared towards physicians.

More than three million Canadian women are over the age of 50. Evidence suggests that estrogen and progestin therapy reduces the risk (or incidence) in post-menopausal women of endometrial cancer, osteoporosis (bone loss) and cardio-vascular disease.

Invited speakers at the seminar explained that, as with all types of treatments, HRT must be evaluated in terms of the risks and benefits to each individual patient. For example, a lack of estrogen has been linked to the development of osteoporosis, a condition which causes brittle bones and fractures. Thus, HRT is important for women with low bone mass. On the other hand, the therapy has been related to a slightly increased risk of developing breast cancer. Experts at the seminar said that in the majority of women, the chances of dying of osteoporosis related problems are greater than the risk of developing breast cancer. Moreover, this latter risk can be mitigated by extra surveillance such as yearly mammograms and more frequent screening. As well, by not smoking and following a proper diet, many patients can increase their longevity by up to 30%.

Invited participants in the HRT seminar included: Dr. Morrie Gelfand and Dr. Alex Ferenczy of the JGH; Dr. Serge Belisle, Professor and Chairman, Department of Obstetrics and Gynecology, University of Montreal; Dr. Robert F. Casper, Associate Professor of Obstetrics and Gynecology, Head of Division

of Reproductive Sciences, University of Toronto; Dr. John Collins, Professor and Chairman, Department of Obstetrics and Gynecology, McMaster University Medical Centre, Hamilton; Dr. Morris Notelewitz, President and Medical Director, Women's Medical and Diagnostic Centre and The Climacteric Clinic, Inc. Gainesville, Florida. □

## Student Tour



The JGH Department of Public Relations offers tours to educational and community groups who wish to learn more about the hospital's various departments and services. Shown here, Human Resources counsellor Helen Collier (far right) speaks to a group of students from Jewish Vocational Services led by coordinator Amy Fish (centre). □

## Algo gift helps cancer patients

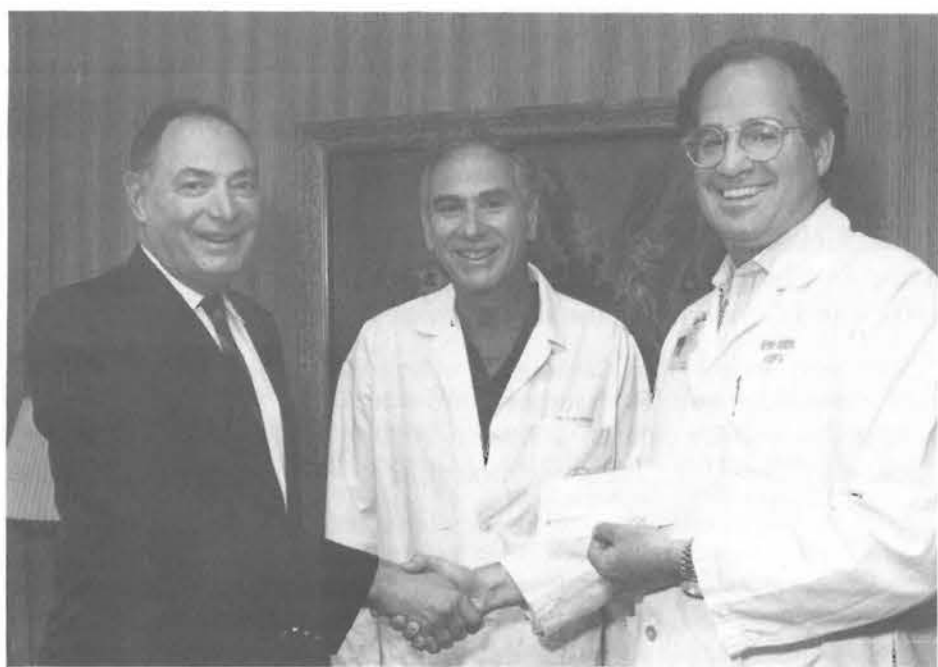


Representatives of the Algo Group and members of the JGH Oncology Department with the infusion pumps. Left to right: Allan Wiltzer, Edgar Goldstein, pharmacist, Jack Wiltzer, Dr. Alex Zukowski, Harry Miller, Sol Chankowsky, Moses J. Schaffer, Dr. Richard Margolese, Chief, Department of Oncology, Heleena Wiltzer, Gilbert Dagher, pharmacist.

Treatment for JGH oncology patients has been made more effective and comfortable, thanks to a generous donation by the Algo Group. Their gift was used to purchase nine portable infusion pumps which allow patients to receive chemotherapy treatments at home.

The light, versatile pumps, also used to relieve pain, provide a continuous infusion of drugs over a 1-4 day period. Receiving drugs in this manner results in less nausea and less toxicity. As well, this treatment method keeps patients out of the hospital, leaving them free to continue their routines and liberating beds for more acutely ill patients. □

## Dental Society presents donation



The Alpha Omega - Mount Royal Dental Society presents a donation annually to a fund providing dental service to patients at the Sir Mortimer B. Davis - Jewish General Hospital. Dr. Mel Schwartz (right) President of that society and Associate Director of the Department of Dentistry at the hospital, presents a cheque to Mr. Archie Deskin, Executive Director of the Jewish General. Dr. Mervyn Gornitsky (centre) is the chief of the hospital's Department of Dentistry. □

## Naihouse gift for Geriatrics Division

Mrs. Tania Naihouse recently made a generous donation to the Herzl Family Practice Centre in memory of her husband, Dr. David Naihouse, a family doctor who was associated with Herzl for 25 years. His lawyer and family friend Mr. Marvin Riback recalled, "Dr. Naihouse was a missionary. He helped so many half starved people after the war. If you had money, fine. If not, it didn't matter." Dr. Howard Bergman, Assistant Director of the Division of Geriatrics said that the Naihouse gift is greatly appreciated. "We have one of

the premiere geriatric services in the country. We have had to meet the challenge of providing services to the elderly at all levels. These include our consultation service to other departments and our geriatric assessment clinic."

According to Al Regenstreif, Director of the Hospital Foundation, the gift demonstrated the strong ties between individuals within the community and the hospital. "We hope others will follow this wonderful example of generosity displayed by Mrs. Naihouse in memory of her husband," he said. □

## Chaverot are friends indeed



Left to right: Dr. André Lisbona, and Dr. Max Palayew, of the Department of Radiology, Frances Isenberg, Chaverot founder, Dr. Richard Margolese, Chief, Department of Oncology and Archie Deskin, Executive Director.

The Chaverot (friends) of Hope and Cope, have once again shown how valuable their friendship and support is by purchasing a stereotactic unit for the JGH Radiology Department. Used to determine whether biopsies are actually necessary in cases of suspected breast cancer, this unit should reduce the need for surgical procedures. □

## Reception honors Dr. Jacobson



Left to right: Dr. Jacques Corcos, Mr. Bert Gould, Mrs. Linda Gould, Dr. Stephen Jacobson.

A reception honoring Dr. Stephen Jacobson, former chief of the Division of Urology was held in the new Urology Centre, located in the Cummings Pavilion.

The reception, sponsored by Mr. and Mrs. Bert Gould, who donated generously to the Building Campaign, featured the dedication of a plaque in honor of Dr. Jacobson.

Mr. Morton Brownstein, Chairman of Quality Assurance and Past President of the board, praised Dr. Jacobson's devotion to his patients and to the department and thanked the Goulds for sponsoring the reception.

Executive Director Archie Deskin introduced Dr. Jacques Corcos, the new chief of the Department of Urology and welcomed him to the JGH. □

## Research and patient care ... the essential link

Although the distance from the laboratory to the bedside often seems vast, medical research is inextricably linked to patient care. In fact, it is only through extensive clinical investigation and laboratory research that scientists are able to discover the causes of any given disease. This in turn leads to improved diagnosis, earlier detection and more effective treatments.

Enhanced research at the JGH has given our expert physicians the tools to better serve patients' needs. Staff investigators at the Lady Davis Institute for Medical Research (LDI) have achieved recognition in the scientific community at local and international levels. Major peer review research groups also have acknowledged the important work currently underway at the JGH.

Government funding does not pay for this essential research.

## A Living Testimonial



Left to right: Steven Cummings, Stephen Vineberg, executors Avrum Orenstein, Joseph Ticoll, C.A., Maxwell Brotman, C.A., Dr. Marie-Laure Brisson.

The JGH Pathology Department was renamed the Ben and Morris Waldman Family Pathology Centre in recognition of a generous bequest by the late Mr. Morris Waldman.

At a dedication ceremony, Hospital President Stephen Vineberg welcomed the executors representing the Waldman estate.

Dr. Marie-Laure Brisson, Chief of the Department of Pathology, then expressed the department's good fortune to be part of the new pavilions. "The consolidation of all our activities in one place is a productive and efficient way to maintain our quality of care. We are very grateful to have been named after Mr. Waldman."

Foundation President Steven Cummings and Executive Director

Archie Deskin explained that the generosity of people like Mr. Waldman is very much appreciated by the hospital. "While we try to do the best within our resources, we depend greatly on voluntary contributions. These gifts show that the community has an interest in the hospital, its growth and its development," said Mr. Deskin.

The executors of the Waldman estate recalled that Morris Waldman held the hospital in high esteem. In his will, he made clear his desire to help various institutions within the community. Our hospital was high on the list. □

## New Centre for Inflammatory Bowel Disease

Dr. Elliot Alpert, Chief of the JGH Department of Medicine, has announced the creation of a new centre at the hospital for the treatment and study of inflammatory bowel disease.

Dr. Martin H. Poleski, a senior physician and gastroenterologist at the hospital will act as director for the program at the JGH Inflammatory Bowel Disease Centre. Dr. Alpert, also a gastroenterologist, and other members of the Gastroenterology Division including Chief Dr. Michael Lichter, Drs. Isaac Weintrub, Seymour Blum and Andrew Szlyagyi will be participating as well. Diane Collins, a nurse with many years of experience at the JGH will act as the clinical research coordinator.

IBD, Crohn's and Ulcerative Colitis, is a major health problem in the western world, particularly amongst Jewish people. Moreover, the incidence of Crohn's Disease which strikes young people between the ages of 18 and 30, has become more common since World War II. These chronic inflammatory diseases of the intestine tend to recur throughout a person's lifetime, and their cause is unknown.

For the last six years, Dr. Poleski has been doing clinical research aiding the development of new medications in the treatment of IBD. He has done research work on Asacol and Pentasa, both drugs which are now available to patients. He is currently involved in a study of the use

of Zileuton for the prevention of flare ups of ulcerative colitis, a dramatic breakthrough in the treatment of inflammatory diseases. This is one of the first international studies of this drug, and Dr. Poleski is only one of three Canadian investigators studying the medication. As well, in January, a study in the use of Budesonide will be initiated in the treatment of Crohn's Disease. This medication is now being used in the treatment of asthma and has been reformulated so that it can be used in the intestine. While it acts like Prednisone, it is expected to have none of the side effects of that drug.

Dr. Poleski is also continuing a study in the use of Pentasa to prevent flare ups of Crohn's Disease. As the centre expands, its work will include basic research in inflammatory bowel disease.

The purpose of the centre also will be to create a computerized patient registry to aid in the recruitment of patients to various trials. The new centre plans to cooperate with the Ileitis and Colitis Foundation of Quebec and Canada to provide more comprehensive patient care and education. Further information may be obtained by calling 340-8223. □

## Colon cancer discussed at Aisenstadt Clinical Day

At the 28th Annual André Aisenstadt Clinical Day, held recently at the Sir Mortimer B. Davis - Jewish General Hospital, experts from Canada, the United States and London, England, shared their latest findings on a disease which is the second most common cause of cancer death. The theme was "Progress in Colon Cancer: Etiology and Prevention."



Dr. André Aisenstadt



Front row left to right: Dr. Peter Greenwald, Dr. Benjamin Mitmaker, Dr. Michael Gold, Dr. Phil Gordon, Chief of the JGH Division of Colorectal Surgery. Back row left to right: Dr. Henry Lynch, Dr. Basil Morson, Dr. Robert Bruce, Dr. Eric Fearon. Absent from photo: Dr. Elliot Alpert, Chief of the JGH Department of Medicine.

Thanks to laboratory and clinical research, doctors have a better understanding of how colon cancer can be prevented. An exciting research project reported by Dr. Benjamin Mitmaker, a surgeon and researcher at the Jewish General Hospital, deals with a scientific method to predict the outcome of the disease in certain specific patients - that is, whether a cure is likely or unlikely. This could then lead to more appropriate levels of treatment.

By studying the shape of the nucleus (the centre) of colon cancer cells, Dr. Mitmaker discovered that a round shaped cell appears to indicate a poorer prognosis for the patient, whereas a cigar shaped cell might mean a better outcome. Preliminary results show an 80% accuracy rate using this method. This means that patients whose cells are round would be subjected to more aggressive treatments, whereas those with a better prognosis could be spared intensive therapy with its unpleasant side effects.

"You are what you eat" may be an oversimplified cliché, but, as evidence mounts, physicians and medical researchers in the field of colon cancer believe what you eat has a significant impact on your chances of getting this disease.

Cutting fat in the diet is essential, according to Dr. Peter Greenwald, Director of the Division of Cancer Prevention and Control at the National Cancer Institute in Maryland. As Dr. Greenwald explained, the incidence of colon cancer is much higher in countries like Canada and the U.S. and rare in countries where the average diet consists of vegetables, fruits and whole grains, and very little saturated fat. When fat moves into the bowel, the bacteria in the bowel can change this fat to cancer producing chemicals. "The average person in the

United States gets 38% of his calories from fat. This should be cut down to 30% or less," said Dr. Greenwald. As well, the National Cancer Institute recommends a diet of five vegetables and fruits a day, and more whole grains for dietary fiber.

Dr. Robert Bruce, Senior Scientist at the Ontario Cancer Institute, made some equally interesting discoveries about diet. While colon cancer rates are very low in Japan and China, when Japanese and Chinese people move to North America, these rates go up within one generation. In comparing the diets of rural Chinese villages and those of Chinese people in Toronto, Dr. Bruce recognized that one of the main differences was in the cooking method itself. In rural China, foods are cooked in water at low temperatures whereas in Canada, foods are often cooked in fat at high temperatures.

He tested his theory by preparing diets for rats and mice. By varying the amounts of fat, protein and sucrose while keeping the starch component constant, Dr. Bruce discovered that when sucrose (refined sugar found in cakes, candy etc.) is cooked at very high temperatures its chemical composition changes completely, creating adverse effects on the colon. When protein is cooked at high temperatures, it becomes less digestible, a larger portion reaches the colon and then forms toxic compounds. The next step is to determine whether sucrose and protein have similar effects on the human colon.

Other speakers at the day long conference included Dr. Eric Fearon of The Johns Hopkins University, Dr. Basil Morson, Consultant Pathologist at St. Mark's Hospital in London, England, and Dr. Henry Lynch, Chairman of the Department of Preventive Medicine and Public Health in Omaha, Nebraska. □

## Come sail away...

The *S.S. Sir Mortimer B. Davis* set sail on August 5, to the delight of the long term care patients who went along for the ride. After the ribbon cutting ceremony, featuring Ruth Pollack, recreation coordinator, and David Weissman, benefactor of the solarium, hospital Chaplain Rabbi Myer Schechter blessed the boat.



Mr. David Weissman cuts the ribbon.

Organized by music therapist Bryan Highbloom and recreation therapist Karen Magid, the five day voyage featured music, shuffleboard and limbo contests, Yiddish readings and songs about immigration, a screening of the movie "South Pacific" and a captain's dinner.

Through plastic art and music, the Geriatrics Solarium was transformed into a simulated cruise ship. Seashells had been placed on the windowsills, a net

with fake fish hung overhead, and a painting of a huge ship adorned a wall. This theme, symbolizing the sea and the individual's journey through life, was chosen to help patients feel better about themselves and cope with illness by evoking positive memories. Patients and staff were encouraged to contribute to the installation of the cruise and to participate in the special activities "on board". □



Rabbi Myer Schechter dances with a patient aboard the ship.

## Summer program offers stimulation to psychiatric patients

With the help of a federally funded summer grant and an additional budget from Jewish Family Services Social Centre, the JGH Department of Social Work Psychiatric Unit developed a special program for people with psychiatric illnesses living in foster homes as well as clients in the Independent Living Project.

The purpose of the grant is to offer interesting and stimulating recreational activities to people who often lack the organizational abilities and/or the financial resources to participate in the summer fun of Montreal. In addition to improving their quality of life, the pro-

gram helps connect participants with the community in which they live.

Student recreational coordinator Judy Pike organized activities such as a visit to La Ronde, an outing to Laval's Parc de la Nature, listening to music at the Jazz Festival, Shakespeare in the Park, open-air M.S.O concerts, a harbour cruise of Montreal and taking in the excitement at the tennis matches.

James Higgins, student music coordinator, provided in-house musical programs for those clients who were less able to go on outings. □

## JGH geriatric patients sell original cards for Rosh Hashanah



The Jewish General Hospital's geriatric recreation program allows patients to express themselves creatively through various activities. Pictured here, Harry Schneider (left) and Licy Muyal (right) sell original Rosh Hashanah greeting cards which were hand painted by long term care patients. Proceeds were used to buy art supplies for the department. JGH art therapist Mona Rutenberg (centre), organized the successful project.

## It's the Caring that Counts



The Department of Nursing Education of the JGH provides nurses with ongoing learning programs and workshops. Shown here are Rabbi Myer Schechter, Director of Chaplaincy Services (centre) and Mr. Ross Paperman (right), discussing Jewish traditions surrounding death, burial and mourning at an educational session organized by Nursing Education Consultant Marsha Ptack (left).

Rabbi Schechter and Mr. Paperman stressed that in Judaism, the body, as carrier of the soul, is considered a holy object, and must be treated with utmost respect and sensitivity. Nurses can bring comfort to the family by listening and caring. The presentation was followed by a lively discussion with nurses from all departments. □

## Care for the Caregivers study

Jewish Support Services for the Elderly is conducting an assessment of the needs and special concerns of caregivers - anyone who is caring for a dependent, elderly relative or friend.

Information from the study, funded by Health and Welfare Canada, will be used to develop vital services to meet the needs of caregivers.

All information will be treated confidentially. To participate in the study, please call Shari Brotman, Care for the Caregiver project researcher, 343-3795. □

## Day care plans announced

Plans are underway to offer day care for the children of JGH employees. It is anticipated that the facility, which will accommodate 45 children and 15 infants, will open its doors at the end of 1992. Further information about application procedures will be announced at a later date.

An actual location has yet to be determined, although several possibilities are being studied. The Board of Directors for the JGH Day Care is composed of Carol Saffran-Novoseller, Ariella Lang, Susan Arabian, Tarek Khan, Dr. Morris Schweitzer, Esther Dajczman, Norma Ishayak and Joanne Letourneau. □

# BULLETIN

## Grants

### ALZHEIMER DISEASE AND RELATED DISORDERS ASSOCIATION INC (USA)

Sherwin, B.: \$23,927. Effects of estrogen administration on various aspects of memory on general functioning in postmenopausal women with Alzheimer's disease.

### CANCER RESEARCH SOCIETY

Brenner, B.: \$35,000. Cellular mechanisms of natural immunity and their role in anti-tumor responses to breast cancer.

Panasci, L.: \$40,000. Detailed investigations on the mechanism of resistance to the nitrogen mustards in CLL patients and breast cancer cells.

Pollack, M.: \$40,000. Somatomedins and neoplasia.

### CONSEIL QUEBECOIS DE LA RECHERCHE SOCIALE

Kirmayer, L.: \$55,070. Inuit concepts of mental health and illness.

Libman, E.: \$41,063. Insomnia in older adults: non pharmaceutical treatment.

### CONSEIL DE LA SANTE ET DES SERVICES SOCIAUX DE LA REGION DE MONTREAL METROPOLITAIN

Tannenbaum, T., Bergman, H.: \$12,025. Discharge planning of patients from an acute geriatric ward.

### ERNST & YOUNG INC.

Wainberg, M.: \$10,000. China - human development training program.

### FONDS DE LA RECHERCHE EN SANTE DU QUEBEC

Garfinkle, A.: \$20,000. Etablissement de Jeune Chercheur

Robbins, J.: \$62,260. Development and validation of a structured diagnostic interview for functional somatic syndromes.

Schipper, H.: \$40,000. Etablissement de Jeune Chercheur.

Trifiro, M.: \$20,000. Etablissement de Jeune Chercheur.

Wang, E.: \$2,000. Workshop on: Contrôle de la prolifération des cellulaires cellulules sinescentes.

### HEART AND STROKE FOUNDATION OF QUEBEC

Chalifour, L.: \$15,000. Breakdown of cell proliferation control in heart.

Cupples, W.: \$10,875. TGF resetting and autoregulation.

Kalant, N.: \$15,000. Collagen binding of LDL.

Langleben, D.: \$12,360. Pathogenesis of pulmonary hypertension.

### INTERNAL AWARDS COMMITTEE - SIR MORTIMER B. DAVIS JEWISH GENERAL HOSPITAL

Lang, A.: \$14,000. Parental grief reactions and marital intimacy following infant death.

Schibuk, M., Feldman, R.: \$20,295. Psychopathology in offspring of borderline mothers.

Schondorf, R.: \$33,000. Early assessment of sympathetic failure vasomotor on diabetic autonomic neuropathy.

Tam, Y-C.: \$36,300. Genetic analysis of streptococcal adhesions mediating coaggregation with actinomyces.

Walling, A.: \$97,000. Clinical applicability of dobutamine.

### KITIVIK REGIONAL BOARD OF HEALTH AND SOCIAL SERVICES

Kirmayer, L.: \$12,000. Subsidy program for study, analysis and intervention projects in community health 1991-1992 - project retained.

### MEDICAL RESEARCH COUNCIL OF CANADA

Brem, S.: \$16,586. In situ inhibition on endothelial cell: proliferation and brain tumor development by extracellular modulators angiogenesis, demonstrated by a monoclonal antibody to bromodeoxyuridine.

Chalifour, L.: \$70,136. Characterization of cardiomyocyte growth control.

Chertkow, H.: \$46,007. Semantic memory: cognitive studies, localization and diagnostic applications.

Chertkow, H., Bub, D.N., Evans, A.C., Meyer, E.G.: \$15,500. The functional neuroanatomy of cognitive processes studied by positron emission tomography.

Cupples, W.: \$34,245. Role of myogenic response in renal autoregulation.

Hamel, E., Meyer, E., Collier, B., Chertkow, H., Gauthier, S., Bub, D.: \$25,000. Cholinergic neurotransmission in dementia of the Alzheimer's type (DAT).

Hiscott, J.: \$100,509. Transcriptional regulation of human interferon gene expression.

Kalant, N., Brem, S.: \$67,158. Angiogenesis in atherosclerosis: characterization and cellular mechanisms of action of smooth muscle cell-derived endothelial cell growth factor.

Kleiman, L.: \$28,430. The structure and incorporation of primer and non-primer tRNAs in HIV-1.

Pinsky, L.: \$189,166. MRC Group Grant in medical genetics.

Ponka, P., Schulman, H.: \$57,312. Chelation, mobilization and metabolism of storage iron.

Schulman, H., Ponka, P.: \$58,836. Transferrin and intracellular iron metabolism.

Schipper, H.: \$54,128. Role of gomori astrocytes in estradiol neurotoxicity.

Sherwin, B.: \$9,300. Effects of sex steroids on affect and memory in menopausal women. \$8,370. Studies on the mechanisms of action of estrogen on mood and memory in women.

Stewart, D., Langleben, D., Cernacek, P.: \$69,299. Vascular production of endothelin psychological and pathophysiological importance.

Wainberg, M.: \$71,444. Studies of drug resistant variants of HIV-1.

Wang, E.: \$67,934. Programmed control of cell proliferation during aging.

### NATIONAL CANCER INSTITUTE OF CANADA

Bell, R., Pollak, M.: \$42,188. Somatomedins-relevance to osteosarcoma.

Hiscott, J.: \$57,000. Interaction of the HTLV-1 tax protein with the NF- $\kappa$ B/rel transcription factor complex.

Margolese, R.: \$250,000. Terry Fox team development.

Shyamala, G.: \$87,493. The mechanism of estrogen action in mammary glands.

### NATIONAL HEALTH AND WELFARE CANADA

Brenner, B.: \$60,897. Characterization of cytotoxic natural immune responses mediated by natural killer (NK) and lymphokine-activated killer (LAK) cells in AIDS.

Edgar, L., Lamping, D.: \$24,470. The impact of a social support intervention for persons with symptomatic HIV infection: psychosocial, clinical and economic outcomes.

Hiscott, J.: \$102,914. Molecular antiviral strategies in the development of AIDS therapies.

Kleiman, L.: \$28,430. The structure and incorporation of primer and non-primer tRNAs in HIV-1.

Paris, J.: \$26,025. Abuse and neglect in the development of borderline personality disorder.

Parniak, M.: \$41,178. Structure-function relationships in the expression of HIV-1 reverse transcriptase activity.

Tannenbaum, T., Bergman, H.: \$49,530. Organizational determinants of the discrepancy between community health care services prescribed for frail elderly on discharge from an in-hospital acute-care geriatrics ward and those services actually used after discharge.

Wainberg, M.: \$37,500. Development testing and implementation of an *in vitro* methodology to screen HIV isolates for the development of anti-retroviral drug resistance. \$318,250. Anti-viral immunity following infection by HIV-1.

### NATIONAL INSTITUTES OF HEALTH (USA)

Margolese, R.: \$85,301. National surgical adjuvant breast project.

Panasci, L.: \$68,460. Mechanism of increased cyto-toxicity of sarcoma in glioma.

Wang, E.: \$115,350. Growth control in aging fibroblasts. \$109,023. Fibroblast aging and programmed cell death.

### THE PARKINSON'S FOUNDATION OF CANADA

Chertkow, H.: \$10,000. Neurology clinical assistance program.

Schipper, H.: \$33,450. Role of peroxidase-positive in free radical-related neuro-degeneration.

### PHARMACEUTICAL INDUSTRIES

Bergman, H.: (Dupont Canada) \$16,900. Family practice clinical trial.

Dascal, A., Mendelson, J.: (Hoffman-LaRoche Ltd.) \$43,000. R015-8075 in the treatment of pharyngotonsillitis caused by group "a" beta-hemolytic streptococci in adults.

Dragatakis, L.: (Squibb Canada Inc) \$3,000. Isoptin study.

Hadjipavlou, A., Dupuis, P.: (Immuno Pharmaceutical) \$25,000. Evaluation of human derived fibrin sealant Tisseel on bone graft.

Gelfand, M.: (Berlex Canada Inc.) \$6,350. An open randomized clinical study to compare a new sequential preparation SHD 461A with a standard H.R.T. with premarin and provera in postmenopausal women. (Ciba-Geigy Canada Ltd.) \$10,000. CGP 38802 (20CM2) sequential treatment with estraderm TTS-50. (Ortho Pharmaceutical) \$6,000. Multicentre study of a cyclophasic hormone replacement regimen in treatment of estrogen deficiency. (Columbia Pharmaceutical) \$4,000. A prospective evaluation of replens in the treatment of vaginal dryness in whom hormone replacement therapy is contraindicated.

Gornitsky, M.: (Hoffman-LaRoche) \$20,000. Study of recombinant human interferon-alpha-2A in patients with oral lesions of Kaposi's sarcoma.

Honos, G.: (Servier Canada) \$10,000. Evaluation of the effects of indapamide on left ventricular mass and left ventricular function in hypertensive patients with left ventricular hypertrophy.

Kleiman, S.: (Organon Canada Ltd.) \$2,300. Anesthesia research.

Kreisman, H.: (Glaxo Canada Inc.) \$30,000. Study on asthma in elderly asthmatics.

Lerman, S.: (Merck Pharmaceuticals) \$80,117. Simvastatin vs. lovastatin in the treatment of patients with primary hypercholesterolemia.

McCans, J.: (Bristol-Myers Squibb Co.) \$17,825. Survival and ventricular enlargement (SAVE) following myocardial infarction: effect of captoprel.

Mendelson, J.: (Hoffman-LaRoche Ltd.) \$27,945. Home care intravenous antibiotic study.

Miller, N.: (Berlex Canada Inc.) \$13,350. Iloprost study.

Panasci, L.: (Adria Pharmaceutical) \$15,000. Efficacy and safety trial of toremifene vs. tamoxifen in postmenopausal patients with metastatic breast cancer.

Pollak, M.: (Sandoz Canada) \$80,000. Somatostatin analogue SMS 201-995 with or without prolactin inhibitor CV 205-502 in metastatic breast cancer.

Small, P.: (Ciba-Geigy Canada Ltd.) \$3,000. Multi-centre, double-blind between patient comparison of multiple doses of 12  $\mu$ g formoterol metered dose aerosol in patients with bronchial asthma.

Torchinsky, A.: (Hoffman-LaRoche Ltd) \$17,710. Study on calcium leukovorin.

Tulandi, T.: (Johnson & Johnson) \$7,500. Evaluation of TC-7 plus adhesion barrier on bilateral pelvic side walls.

Wainberg, M.: (Bristol-Myers Squibb Co.) \$51,750. Double blind comparison of 2', 3' dideoxyinosine (ddI) (BMY-40900) and continued zidovudine (ZDV) in therapy of patients with HIV-related immune suppression who have received at least 6 months of ZDV therapy.

## Awards

### ALZHEIMER SOCIETY OF CANADA

Hebert, L.: Fellowship

### ASSOCIATION OF UNIVERSITIES AND COLLEGES OF CANADA

Chan, R.: Studentship

### BERTHA MIZNE MEMORIAL FUND FOR RESEARCH

Neumannova, V.: Fellowship

### BRONFMAN FELLOWSHIP

Shvartzman, P.: Fellowship

### CANCER RESEARCH SOCIETY

Cohen, L.: Fellowship

Lacoste, J.: Studentship

Mercure, L.: Fellowship

### ERNST & YOUNG INC.

Ren, C.: Fellowship

### FONDS DE LA RECHERCHE EN SANTE DU QUEBEC

Beital, L.K.: Fellowship

Chalifour, L.: Chercheur Boursier (Senior "1")

Collard, J-F.: Studentship

Garfinkle, A.: Chercheur Boursier Clinicien (Junior "1")

Glick, R.: Summer Student Fellowship

Hiscott, J.: Chercheur Boursier (Senior "1")

Hradelch, A.: Chercheur Invité

Schipper, H.: Chercheur Boursier (Junior "1") (Priorité)

Trifiro, M.: Chercheur Boursier Clinicien (Junior "1")

### FONDS POUR LA FORMATION DE CHERCHEURS ET L'AIDE A LA RECHERCHE

Bramson, J.: Studentship

Kazemi-Esfarjani, P.: Studentship

Lacoste, J.: Studentship

Roulston, A.: Studentship

Spurmanis, A.: Studentship

### GERTRUDE AND CHARLES CLARK FELLOWSHIP

Noe, A.: Fellowship

### HEART AND STROKE FOUNDATION OF CANADA

Cupples, W.: Scholarship

Langleben, D.: Scholarship

#### ISRAEL CANCER RESEARCH FUND

Zamir, H.B.: Scholarship

#### LADY DAVIS INSTITUTE

Beitel, L.: Fellowship

Sandig, M.: Fellowship

#### MCGILL FACULTY OF MEDICINE INTERNAL STUDENTSHIPS

Bordet, S.: Studentship

Mhatre, A.: Studentship

#### MEDICAL RESEARCH COUNCIL OF CANADA

Chertkow, H.: Chercheur Boursier

Lee, S.: Studentship

Necas, E.: East European exchange scientist visiting professor

Phillips, S.H.: Studentship

Pollock, R.: Studentship

Wang, E.: Scientist Award

#### NATIONAL HEALTH AND WELFARE CANADA

Geleziunas, R.: Fellowship

Soudeyns, H.: Fellowship

Wainberg, M.: Scientist Award

#### THE RICK HANSEN MAN IN MOTION LEGACY FUND

Yang, G.: Fellowship

#### THE COLLEGE OF FAMILY PHYSICIANS OF CANADA

Klein, M.: Donald Rice Merit Award 1991. This is the highest award given by the College of FPOC. It is given to an international leader in Family Medicine in recognition of his contribution to the discipline of Family Medicine.

#### SHEILA ZITTRER AWARD

Klein, M.: Planning and Priorities Committee. To support sabbatical study of qualitative technique in Family Medicine, 1990-91.

#### BRONFMAN MEDAL

Sigman, H.: This award is given annually by Allied Jewish Community Services in recognition of extraordinary service as a leader in the Montreal Jewish community over a long period of time.

#### RITA FINESTONE AWARD

The Auxiliary: Presented for an outstanding project by the Association of Hospital Auxiliaries of the Province of Quebec (AHAPQ). The award was given to the Chronic Spinal Pain Support Group, organized and chaired by Rhoda Schouela.

## Publications

Ahmed, N., Falcone, T., Tulandi, T., Houle, G.: Anaphylactic reaction due to intrauterine 32% dextran-70 instillation. *Fertil Steril* 55: 1041, 1991.

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Bartter, T., Irwin, R.S., Abraham, J.L., Dascal, A., Nach, G., Himmelstein, J.: Zirconium-compound induced pulmonary fibrosis. *Ach. Int. Med.* 151: 1197-1201, 1991.

Baruchel, S., Gao, Q., Wainberg, M.A.: Desferrioxamine and HIV (letter). *Lancet* 337, 1356-1357, 1991.

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Bloomberg, J., Melvill Jones, G., Segal, B.: Adaptive plasticity in the gaze stabilizing synergy of slow and saccadic eye movement. *Exp Brain Res.* 84: 35-46. Adaptive modification of vestibularly perceived rotation. *Exp. Brain Res.* 84: 47-56, 1991.

Brenner, B., Margolise, R.G.: The relationship of chemotherapeutic and endocrine intervention on natural killer cell activity in human breast cancer. *Cancer* 68: 482-488, 1991.

Brenner, B., Gryllis, C., Gornitsky, M., Cupples, W., Wainberg, M.A.: Differential effects of chemotherapy-induced and HIV-1 induced immunocompromise on NK and LAK activities using breast cancer and HIV-1 seropositive patient populations. *Anticancer Research* 11: 969-974, 1991.

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Clarfield, A.M., et al: Canadian Consensus conference on the Assessment of Dementia Report. *Can Med Assoc J (Suppl)* 144, April 1991.

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**Takefman, J.E., Brender, W., Boivin, J., Tulandi, T.:** Sexual and emotional adjustment of couples undergoing infertility investigation and the effectiveness of preparatory information. *J. Psychosom Obstet Gynecol* 11: 275-290, 1990.

**Tannenbaum, T.N., Rosenberg, E.:** Presymptomatic diagnosis of genetic disorders - implications for family physicians. *Canadian Family Physicians* 37: 394-400, 1991.

**Tannenbaum, T.N., Sampalis, J.S., Battista, R.N., Rosenberg, E.E., Joseph, L.:** The early detection and treatment of hyperlipidemia. *Physician practices in Canada*. *Canadian Medical Association Journal*, 143: 875-881, 1990.

**Thibault, A., Miller, M.A., Gaese, C.:** Risk factors for the development of C difficile-associated diarrhea during a hospital outbreak. *Infect. Control Hosp. Epid*, 12: 345-348, 1991.

**Tulandi, T.:** Clinical and scientific implications of second-look laparoscopy. In: *Treatment of Post Surgical Adhesions*. Progress in clinical and biological research, Vol. 358. Ed. C.B. Linsky, Alan R. Liss, Inc., New York, p.85-91, 1990. Prevention of post operative intra-abdominal adhesions. In *Current Opinion in Obstetrics and Gynecology*. Ed. J. Rock., Current Science, Philadelphia, PA, p. 287-290, 1990. Effects of fibrin sealant on tubal anastomosis and adhesion formation. *Fertil Steril* 56: 136, 1991.

**Tulandi, T., Guralnick, M.:** Treatment of tubal ectopic pregnancy by salpingotomy with and without tubal suturing and salpingectomy. *Fertil Steril* 55: 53, 1991.

**Tulandi, T., Bret, P., Atri, M., Senterman, M.:** Treatment of ectopic pregnancy by transvaginal methotrexate administration. *Obstet Gynecol* 77: 627-630, 1991.

**Vasilevsky, C.A.:** Fistula-in-ano and abscess in Patient Care in Colorectal Surgery, Beck, David E., Welling, David, R., eds. Little Brown & Co. Boston, 1991.

**Wainberg, M.A., Roche, R., Tremblay, M., Li, X-G., Parniak, M.A., Gao, Q., Yao, X-J., Tsoukas, C., Montaner, J.S.G., Fanning, M., Ruedy, J.:** Clinical significance and characterization of AZT-resistant strains of HIV-1. *Canadian Journal of Infectious Diseases* 2: 5-11, 1991.

**Wainberg, M.A., Schechter, M.T.:** AIDS research in Canada: future directions and government policy (Editorial). *Canadian Medical Association Journal* 144: 651-653, 1991.

**Wainberg, M.A., Tremblay, M., Roche, R., Blan, N., Soudeyns, H., Parniak, M.A., Yao, X-J., Li, X-G., Fanning, M., Montaner, J.S.G., O'Shaughnessy, M., Tsoukas, C., Falutz, J., Stern, M., Belleau, B., Ruedy, J.:** Characterization of reverse transcriptase activity and susceptibility to other nucleosides of AZT-resistant variants of HIV-1. Results from the Canadian AZT Multicentre Study. *Annals of the New York Academy of Sciences* 616: 346-355, 1990.

**Waters, G., Armad, M., Katsarkas, A., et al.:** Ototoxicity due to cis-plat in the treatment of ovarian cancer: influence of dosage and schedule of administration. *Ear & Hearing* 12: 2, 1991.

## Appointments

**Alpert, L.:** Co-director 9th Annual Cytopathology Review Course, Houston, Texas, Feb 14-17, 1991.

**Chalifour, L.:** Assistant Professor, Department of Microbiology & Immunology.

**Chertkow, H.:** Medical Advisor, Parkinson's Foundation of Canada, Montreal branch, Quebec division.

**Dascal, A.:** Elected member of the Medical Executive Committee, Council of Physicians, Dentists and Pharmacists, JGH, 1991. Appointed to the Provincial Microbiology Working Group charged by Minister Marc Yvan Coté with studying the organization of medical laboratories in the province of Quebec.

**Garfinkle, A.:** Assistant Professor, Department of Ophthalmology, McGill University.

**Gelfand, M.M.:** Appointed member of the Advisory Council of the FDA, Washington, D.C.

**Gomolin, J.:** Appointed Director of Retina Service, McGill University.

**Gordon, P.H.:** Elected member, Central Surgical Association.

**Gornitsky, M.:** Appointed Full Professor, Department of Dentistry, McGill University.

**Hiscott, J.:** Associate Professor, Division of Experimental Medicine, Department of Medicine, McGill University. Faculty Scholarship Committee, Faculty of Medicine, McGill University. Member, MRC/NHRDP AIDS Grant Panel, Health and Welfare Committee.

**Hutchinson, E.W.:** Assistant Professor, McGill Centre for Studies in Aging Montreal. Participant Summer Institute in Research on Aging. The Brookdale Foundation and The National Institute on Aging, Virginia, USA.

**Just, N.:** Principal investigator radiological, JGH, North American Symptomatic Carotid Endarterectomy.

**Kirmayer, L.J.:** Director, Division of Social and Transcultural Psychiatry, McGill University. Editor in chief, *Transcultural Psychiatric Research Review*.

**Kleinman, J.:** Appointed as Président of Directors of Hospital Services - AHQ region metropolitan de Montréal. Nominated representative to the Conférence Regionale de the AHQ region metropolitan de Montréal.

**Kwitko, M.:** Appointed to the editorial board - Ocular Surgery News. Chairman, Advisory Committee on the excimer laser for Health and Welfare Canada.

**Lisbona, A.:** On McGill Roster at CALBG as a diagnostic radiologist, Cancer and Leukemia Group B. Chairman, Intradepartmental Committee for the Evaluation of Residents, Department of Radiology, McGill University. Member of Committee, Association of Radiologists of Quebec, for implementation of screening mammography in the Province of Quebec.

**Mendelson, J.:** Appointed to the Ethics Committee, Canadian Infectious Diseases Society.

**Palayew, M.J.:** Re-elected member and secretary treasurer of the Medical Executive Committee, JGH 1991-92. Elected administrator on the Board of Corporation professionnelle des médecins du Québec. Editorial board of the *Journal of the Canadian Association of Radiology*.

**Parniak, M.A.:** Associate Professor, Department of Medicine, McGill University. Special Reviewer. Ad Hoc Study section (Alzheimer's) National Institute of Neurological Disorders and Stroke, NIH.

**Pinsky, L.:** Chairman, Advisory Committee on Medical Genetics, Ministry of Health and Social Services, Quebec. Member, Advisory Committee, Specialty of Medical Genetics, Corporation of Physicians, Quebec.

**Poleski, M.:** Reappointed board of examiners, Royal College of Physicians and Surgeons, Internal Medicine and Quebec Corporation of Physicians, Gastroenterology. Appointed reviewer for ACP Journal Club Publication.

**Satin R.:** Associate editor of *Journal of the Canadian Association of Radiology* 1991. Member, Radiology Research Committee, McGill University representing JGH. Chairman of Internal Review for McGill Radiology Training Program. Member of Committee to establish guidelines for international radiology for Corporation professionnelle des médecins du Québec.

**Schulman, H.M.:** Associate Member, Institut de recherche en biologie végétale.

**Wainberg, M.A.:** Elected Secretary, Canadian Association for HIV Research. Elected to the Advisory Board, International AIDS Society. Appointed to a Special Committee, Fonds de la Recherche en Santé du Québec Futur du programme de centres de recherche.

**Wang, E.:** Appointed Full Professor, Department of Medicine and Anatomy, Faculty of Medicine, McGill University, 1991.

## Presentations

**Baumgarten, M., Tannenbaum, T.N., Zeiss, E.:** Screening for dementia in the community: a review of mental status tests. Second Canadian Epidemiology Conference, Edmonton, May 1991.

**Boivin, J., Takefman, J., Brender, W., Tulandi, T., Weaver-Coleman P.:** Psychological and physical effects of pergonal treatment using daily, self monitoring prospective data. Annual Meeting of the Canadian Fertility and Andrology Society, Quebec City, Sept. 1991.

**Carsley, J., Muldowney, S., Tannenbaum, T.N.:** Compliance with antibiotic prophylaxis for pertussis in a daycare centre. Submitted to North American Primary Care Research group, Nineteenth Annual Meeting, May 1991.

**Chertkow, H., Stern, J., et al.:** Tc HMPAO as an early marker of Alzheimer's Disease. *Congrès Internationale de Geriologie Francophone*, Montréal, Oct. 1990.

**Chertkow, H., Bub, D., Evans, A., Meyer, E., Marrett, S.:** Neural correlates of picture processing studied with positron emission tomography. *Theoretical and Experimental Neuropsychology Meeting (TENNET)*, Montreal, May 1991.

**Chertkow, H., Bub, D., Evans, A., Meyer, E., Marrett, S., Dixon, R.:** Functional activation of frontal cortex in subvocalization. *American Academy of Neurology*, Boston Mass, April 1991.

**Clarfield, A.M.:** Symposium participant. Same patients, different systems: a comparison of health care of the elderly in Canada and the US. *American Geriatrics Society Annual Meeting*, Chicago, 1991. Research in the elderly: Pitfalls and Challenges. *Pharmaceutical Manufacturers Assoc. of Canada*, Montreal, 1991. Post operative confusion, management of the geriatric surgical patient. *University of Hawaii*, 1991.

**Colacone, A., Afilalo, M., Wolkove, N., Kreisman, H.:** Dose response to inhaled salbutamol administered by metered dose inhaler or wet nebulizer in the treatment of acute asthma. *American Thoracic Society Annual Meeting*, Anaheim, CA, May 1991. *Abst. Amer Rev Respir Dis*: 143, A650, 1991.

**Daly, P., Tannenbaum, T.N., Carsley, J.:** Salmonella outbreaks in a Montreal hospital. *Second Canadian Epidemiology Conference*, Edmonton, May 1991.

**Dascal, A.:** Invited speaker. 1) The management of intra-abdominal infection. 2) Etiology and Management of Nosocomial pneumonia. *Saint John Regional Hospital*, Saint John, New Brunswick, March 1991.

**Demarchie, M., Langleben, D., Stewart, D.:** Abnormal pulmonary clearance of endothelin in the human adult respiratory distress syndrome. *American Thoracic Society Annual Meeting*, Anaheim, Cal. May 1991. *Abstract: American Review of Respiratory Disease* 143: A177, 1991.

**Dragataki, L.N., Langleben, D., Kreisman, H.:** Percutaneous angiography of the pulmonary arteries in man. *American Heart Association Annual Meeting*, Nov. 1990.

**Edgar, L.:** Codependency and pain control: could they be linked? 7th National Conference, Canadian Association of Psychosocial Oncology, Winnipeg, Manitoba, May 1991.

**Edgar, L., Rosberger, Z.:** Coping with cancer during the first year after diagnosis: assessment and intervention. *National Nursing Research Conference, Learned Societies Conference*, Kingston, Ontario, June 1991.

**Falcone, T., Hemmings, R., Tulandi, T.:** Effects of different endoscopic treatment modalities on pregnancy rates in patients with stage 1 and 2 endometriosis. *Annual Meeting of the Canadian Fertility and Andrology Society*, Quebec City, Sept. 1991.

**Freedman, A.N.:** The graying of North American Society. *The Academy for International Medical Studies*. Prague, Czechoslovakia, July 1990.

**Garfinkle, A.:** Synthetic corneal inlays. *Association for Research in Vision and Ophthalmology*, Sarasota, Florida, May 1991.

**Germinario, R.:** Invited lecturer. Characterization of hexose transport regulation in respiratory defective fibroblasts. *Hospital for Sick Children*, Toronto, March 1991.

**Gomolin, J.:** Multifocal choroidal neovascular membranes. *Atlantic Coast fluorescein Angiography club*, Manhattan Eye, Ear and Throat Hospital, New York, January 1991. *Angioid streaks*. *Entretiens Ophthalmologiques de Université de Montréal*, April 1991.

**Gordon, P.H.:** Early detection of colorectal carcinoma. *Highlights in Medicine*, University of Saskatchewan, Saskatoon, June 1991.

**Hadjipavlou, A., Lander, P., Antoniou, J., Dupuis, P.:** The role of clinical testing in diagnosing facet syndrome. *International Intradiscal Therapy Society Inc.* 4th Annual Meeting, Houston, Texas, April 1991.

**Hadjipavlou, A., Lander, P., Antoniou, J.:** The effectiveness of chymopapain treatment of sciatica on patients with low back pain. *International Intradiscal Therapy Society Inc.* 4th Annual Meeting, Houston, Texas, April 1991.

**Hemmings, R., Falcone, T., Kafka, I., Tulandi, T.:** Serum inhibin in women with endometriosis. *Annual Meeting of the Canadian Fertility and Andrology Society*, Ville d'Estérel, Oct. 1990.

**Hiscott, J., D'Addario, M., Roulston, A., Caplan, S., Wainberg, M.A.:** Cytokine gene expression and cellular differentiation induced by HIV-1 infection of human myelomonoblastic PLB-985 cells. *UCLA Symposium - Cytokines and their Receptors*. Keystone, Colorado, April 1991.

- Hiscott, J., Cohen, L., D'Addario, M., Lacoste, J., Roulston, A., Caplan, S., Wainberg, M.A.:** Regulation of NF- $\kappa$ B dependent cytokine gene expression in HIV-1 infected cells. Canadian Association of HIV Research, Montreal, March 1991. HIV Disease: pathogenesis and therapy, Grenellefe, Florida, March 1991.
- Hughes, N.E., Falcone, T., Tulandi, T., Stein, L., Toth, J.:** A randomized study on pain evaluation after hysterosalpingography using water and oil soluble media. Annual Meeting of the Canadian Fertility and Andrology Society, Ville d'Estrel, Oct. 1990.
- Hutchinson, E.W.:** Multi-point mapping of *age-1*. Caenorhabditis Elegans Meeting. Madison, Wisc. June 1991.
- Jesionowska, H., Tulandi, T.:** Pelvic adhesions and genital mycoplasma colonization in infertile couples. Annual Meeting of the Canadian Fertility and Andrology Society, Ville d'Estrel, Oct. 1990.
- Katsarkas, A.:** The first 8,000 patients in our dizziness clinic. Quebec Association of Otolaryngologists' Meeting, Quebec City, October 1990. Paroxysmal positional vertigo: a symptom or a syndrome? Quebec Association of Otolaryngologists, Montreal, 1991.
- Kirmayer, L.J.:** Invited paper. Models and measures of somatic amplification. MacArthur Foundation Mind-Body Network Workshop on "Somatic Amplification", Dept. of Social Medicine, Harvard University, Cambridge, MA, March 1991. Culture and somatization. Clarke Institute of Psychiatry, University of Toronto, June 1991.
- Kirmayer, L.J., Robbins, J.:** Stable and transient hypochondriasis. American Psychosomatic Society Meetings, Santa Fe, New Mexico, March 1991.
- Kirmayer, L.J., Robbins, J.M., Dworkind, M., Yaffe, M.:** Somatization and the recognition of psychiatric distress. American Psychiatric Association Meeting, New Orleans, May 1991.
- Kleiman, L.:** Incorporation of tRNA into normal and mutant HIV-1. International Conference on Biochemistry, Israel, Aug. 1991. tRNA in HIV-1. Canadian Association for HIV Research, Montreal, March 1991.
- Klein, M.:** Invited speaker. The first report of the North American Trial of Episiotomy. Innovations in Perinatal Care: The Ninth Birth Conference. San Francisco, Nov. 1990. Invited to present an Episiotomy Trial Report at: Department of Social Medicine, Harvard University School of Medicine, Nov. 1990. Obstetrical Grand Rounds, Brigham and Women's Hospital. Harvard University, Dec. 1990. The First North American RCT of Episiotomy. Grand Rounds, UCLA Department of Family Medicine April 1991. UCSD San Diego Division of Family Medicine. April 1991. Invited speaker. Episiotomy, electronic fetal monitoring and cesarean- the trinity of modern obstetrical practice. Health Seminar Series. The RAND Corporation. Santa Monica, Cal. April 1991. Invited speaker. Family Medicine Education in Canada. X111 Conferencia Panamericana de Education Medica. San Jose Cost Rica, Jan 1991.
- Kreisman, H., Dajczman, E., Hanley, J., Lisbona, A., Wolkove, N.:** Computerized tomography for evaluation of response to therapy in small cell lung cancer. American Thoracic Society Annual Meeting, Anaheim CA., May 1991. Abstr: Amer Rev Respir Dis 143: A62, 1991.
- Kreisman, H., Lisbona, A., Olson, L., Propert, K., Modes, C., Dillman, R., Seagen, S., Green, M.R. (UCSD Medical Centre, San Diego, Cal. Dept. of Radiology et al):** Effect of pre study tumor stage and of chemotherapy radiotherapy (CT-RT) in non small cell cancer (NSCLC). Annual Meeting of the American College of Chest Physicians, Toronto, Oct. 1990. Abstr: Chest 98, 1075, 1990.
- Kwitko, M.:** 1) Endocapsular cataract surgery. 2) Management of postoperative astigmatism. 3) Environmental changes for the low vision patient. Hawaii Ophthalmological Society. Honolulu, Feb. 1991. Evolution of the lens implant procedure. 9th International Contact Lens and Anterior Segment Conference. Toronto, April 1991. 1) Management of cataract surgery complications. 2) Office detection of Alzheimer's Disease. 3) Endocapsular cataract surgery. Connecticut Society of Eye Physicians. Hartford, Conn. May 1991.
- Kyzer, S., Mitmaker, B., Gordon, P.H., Wang, E.:** Proliferative activity of colonic mucosa at different distances from primary adenocarcinoma as determined by S44: a nonproliferation-specific nuclear protein. The American Society of Colon & Rectal Surgeons Meeting, Boston, May 1991. Abstract: Diseases of the Colon and Rectum 34: P30, 1991.
- Lacoste, J., Cohen, L., Jeang, K-T., Hiscott, J.:** Interaction of the HTLV-1 Tax protein with the NF- $\kappa$ B transcription complex. Cold Spring Harbor RNA Tumor Virus Meeting, Cold Spring Harbor, New York, May 1991.
- Langleben, D., Serban, L., Blais, D., Mohamed, F., Stewart, D.:** Moderate hypoxia does not stimulate endothelin release from pulmonary artery smooth muscle cells *in vitro*. American Thoracic Society Annual Meeting, Anaheim, California, May 1991. Abstract: American Review of Respiratory Disease 143: A372, 1991.
- Laporta, D., Kupfer, P., Langleben, D.:** Effect of body position on carbon monoxide diffusing capacity in patients with pulmonary hypertension. American Thoracic Society Annual Meeting, Anaheim, California, May 1991. Abstract: American Review of Respiratory Disease 143: A678, 1991.
- Laporta, D., Colacone, A., Kreisman, H.:** Dyspnea rating during inspiratory threshold loading in patients with COPD. American Thoracic Society Annual Meeting, Anaheim CA, May 1991. Abstr: Amer Rev Respir Dis 143: A594, 1991.
- Lasry, J.C., Margolese, R.G.:** Quality of life and breast cancer surgery. American Psychiatric Association Meeting, New Orleans, May 1991. Qualité de vie à la suite de deux types de chirurgie du sein. Meeting of the Corporation professionnelle des psychologues du Québec, May 1991.
- Lasry, J.C., Sayegh, L.:** Developing an acculturation scale: clinical applications for working with families. Symposium: Research Issues in Transcultural Child Psychiatry, Douglas Hospital June 1991.
- Laughrea, M.:** Interaction of ribosomal protein S1 and initiation factor IF3 with 3' major domain and the decoding site of the 30S subunit of *Escherichia coli*. 34th Annual Meeting of the Canadian Federation of Biological Sciences, Kingston, Ontario, June 1991 and 59ieme Congrès de l'ACFAS, Sherbrooke, May 1991.
- Margolese, R.G., Lasry, J.C.:** Fear of recurrence and breast conserving surgery. American Psychiatric Association Meeting, New Orleans, May 1991.
- Mitmaker, B., Kyzer, S., Begin, L.R., Gordon, P.H.:** The value of nuclear morphometry in the management of patients with colorectal polyps which contain invasive adenocarcinoma. The American Society of Colon & Rectal Surgeons Meeting, Boston, May 1991. Abstract: Diseases of the Colon and Rectum 34: P29, 1991.
- Mouchawar, M., Tulandi, T.:** Treatment dependent and treatment independent pregnancy among women with minimal and mild endometriosis. Annual Meeting of the Society of Obstetricians and Gynecologists of Canada. Toronto, June 1991.
- McCoubrey, D.R., Usher, R.H., McLean, F.H., Tulandi, T.:** Pregnancy outcome in women with discordant menstrual dates. Annual Meeting of the Society of Obstetricians and Gynecologists of Canada, Toronto, June 1991. 2nd prize Junior member.
- Pagidas, K., Tulandi, T.:** Effects of Ringer's lactate and Gore-tex surgical membrane on postsurgical adhesion. Annual Meeting of the American Fertility Society, Orlando, Florida, Oct. 1991.
- Palayew, M.J.:** Responsible for organizing the "Case of the Day" exhibit at the Radiological Society of North America, Annual Meeting, Chicago, December 1991. 6 cases to be published in Radiographics.
- Panasci, L.:** Evidence for enhanced DNA repair enzyme expression in resistant chronic lymphocytic leukemia patients. American Association for Cancer Research Meeting, Houston, Texas, May 1991.
- Papageorgiou, A.:** Guest speaker. The care of extremely low birthweight infants. Organization and teaching of perinatal medicine. Second Hellenic Congress on Intensive Care, Athens, Greece, March 1991.
- Papageorgiou, A., Zerkowicz, P.:** Cognitive and behavioral outcomes of children with birthweight less than 1500 gms. International Perinatal Collegium, Oslo, Norway, June 1991.
- Papageorgiou, A., Maragakis, E.:** Antenatal betamethasone and risk of infection in infants <1500 gms. Annual Meeting of the American Pediatric Society and Society for Pediatric Research, New Orleans, April/May 1991.
- Papageorgiou, A., Zerkowicz, P., Allard, M., Weiss, M., Zelazo, P.:** Comparison of cognitive performance of children with birthweight 600-1000 gms. and 1001-1500 gms. Annual Meeting of the American Pediatric Society and Society for Pediatric Research, New Orleans, April/May 1991.
- Paris, J.:** Invited speaker. Borderline personality disorder: building a new understanding. McMaster University, Hamilton, Ontario, January 1991. A critical review of the role of child sexual abuse in the etiology of borderline personality disorder. American Psychiatric Association Meeting, New Orleans, May 1991.
- Phillips, S., Sherwin, B.B.:** Estrogen and memory in postmenopausal women: a prospective, controlled study. Annual Meeting of the Canadian Psychological Association, Calgary, June 1991.
- Pinsky, L.:** Androgen insensitivity: Basic mechanisms and clinical relevance. International symposium on Pediatric Endocrine Disorders, Tampa, Florida, May 1991. Germline mutations at the androgen receptor locus that cause androgen resistance in man. Annual Meeting of the Canadian Federation of Biological Sciences, Kingston, Ontario June 1991.
- Pollak, M.:** Effects of tamoxifen on the pituitary-IGF axis. American Society for clinical Oncology, Houston, Texas, May 1991.
- Ponka, P.:** The role of iron in DNA synthesis and cell proliferation. Department of Physiology, Faculty of Medicine, University of Ottawa, April 1991. The role of iron transport in cell proliferation and heme synthesis. The Variety Research Centre and the Department of Pediatrics, University of British Columbia, Vancouver, June 1991. Regulation of heme synthesis in erythroid cells: role of iron-transferrin. Biochemistry Department, University of British Columbia, Vancouver, June 1991. Sideroblastic anemia. Division of Hematology, University Hospital-Shaughnessy Site, Vancouver, June 1991.
- Robbins, J., Kirmayer, L.:** What does the Toronto Alexithymia Scale measure? American Psychosomatic Society Meetings. Santa Fe, New Mexico, March 1991. Subsyndromal somatization and hypochondriacal worry. American Psychiatric Association Meeting, New Orleans, May 1991.
- Schipper, H.M.:** Free radicals and neuronal aging. X International Symposium on Morphological Sciences, Toronto, July 1991.
- Schipper, H.M., Mateescu-Canatuniani, A., Kotake, Y., Janzen, E.:** Do glial metalloporphyrins promote oxidative stress in the aging nervous system? American Academy of Neurology, Boston, April 1991. Abstract: Neurology 41 (suppl): P377, 1991.
- Schloss, M.D.:** Use of coxixime in office practice: a report on a Canadian clinical study. Conference on the changing role of cephalosporins in office practice, Toronto, Jan 1991. Cholesteatoma in children: is destruction of the scutum still a valid sign of disease. American Society of Pediatric Otolaryngology 6th Annual Meeting, Wokolole, Hawaii, May 1991.
- Segal, B.N., Katsarkas, A.:** Saccadic supplement of the vestibulo-ocular reflex in patients with vestibular dysfunction. Kyoto Satellite Meeting, Japan, 1990.
- Sherwin, B.B., Phillips, S.:** Estrogen and cognitive functioning in young cycling women. International Society for Psychoneuroendocrinology, Buffalo, NY, 1990.
- Sherwin, B.B., Youngs, D.D.:** Effects of an oral estrogen-androgen preparation on lipid metabolism in postmenopausal women. American Society for Psychosomatic Obstetrics and Gynecology, Houston, March 1991.
- Sigman, H.H., Fried, G.M., Hinchey, E.J., Mamazza, J., Wexler, M.J., Garzon, J., Meakins, J.L.:** Beating the learning curve a planned approach to teaching laparoscopic cholecystectomy. Canadian Association of Clinical Surgeons (Eastern Division), Montreal, April 1991.
- Sigman, H.H., Garzon, J.:** Learning laparoscopic cholecystectomy - a plan for training surgical residents. Association of Surgical Education, Portland, Oregon, April 1991.
- Small, P.:** Does nasal provocation play a role in the diagnosis of ragweed induced allergic rhinitis? American Academy of Allergy and Immunology, San Francisco, Cal. March 1991. Allergic rhinitis - pathophysiology and treatments. Allergy Update, Toronto, April 1991. Allergic reactions; what's new? Clinical Day, Ajax and Pickering General Hospital, May 1991. 1) The late phase reaction - how it changes our approach to therapy. 2) Stuffy noses - an allergist's approach. Bram Rose symposium, Montreal, April 1991. The future of allergy - Canadian Allergy Workshop for Medical Health Care Media. Toronto, and Montreal, April and May 1991.
- Small, D., Wieskopf, B., Duha, A., Kreisman, H., Laporta, D., Wolkove, N., Frank, H.:** Use and misuse of oxygen. American Thoracic Society Annual Meeting, Anaheim, CA. May 1991. Abstr: Amer Rev Respir Dis 143: A 88, 1991.
- Stern, J.:** Visiting professor. Adventures in SPECT. Maritime Chapter of Nuclear Medicine. St. John's Newfoundland, January 1991.
- Stewart, D.J., Gordon, A., Cianflone, K., Cernacek, P., Langleben, D.:** Regulation of endothelin-1 release from bovine pulmonary artery endothelium *in vitro*. Federation of American Societies for Experimental Biology, Atlanta, Georgia, April 1991. Abstract: FASEB Journal 5: A402, 1991.
- Takefman, J., Boivin, J., Tulandi, T., Brender, W.:** Comparison of psychological impact of traditional versus high tech fertility treatment. Annual Meeting of the Canadian Fertility and Andrology Society, Ville d'Estrel, Oct. 1990.
- Trudel, M., Oligny, L., Caplan, S., Caplan, C., Schipper, H.M., Wang, E.:** Statin expression in normal and neoplastic hematolymphoid cells. US and Canadian Academy of Pathology, March 1991.
- Tulandi, T.:** Effects of fibrin glue on tubal anastomosis and adhesion formation. Annual Meeting of the Canadian Fertility and Andrology Society. Quebec City, Sept. 1991. Invited presentation. Conservative treatment of ectopic pregnancy; Prevention and management of post operative adhesion formation; Comparison between laser and electrosurgery for infertility operation. Thomson Foundation Course in Obstetrics and Gynecology, Reproductive Medicine, Challenge of the 1990's, Singapore, Sept. 1991. Non surgical treatment of ectopic pregnancy. Annual Meeting of District 1, American College of Obstetricians and Gynecologists, Quebec City, Oct 1991. Visiting professorships: Kyoto University, July 1991, University of Saskatchewan, Aug. 1991.
- Tulandi, T., Guralnick, M.:** Treatment of tubal ectopic pregnancy by salpingostomy (SS), salpingotomy (ST) or salpingectomy (SE). Annual Meeting of the American Fertility Society, Washington, D.C., Oct. 1990.
- Tulandi, T., Bret, P., Atri, M., Senterman, M.:** Treatment of ectopic pregnancy by transvaginal intratubal methotrexate administration. Annual Meeting of the Society for Gynecologic Investigation. San Antonio, Texas, March, 1991 and the Annual Meeting of the Canadian Investigators in Reproduction and the Society of Obstetricians and Gynecologists of Canada, Toronto, June, 1991.
- Wainberg, M.A.:** Rapid generation of AZT resistant strains of HIV-1 after low dose therapy and by *in vitro* selection. Co-chairman of session on Humoral immunity to HIV-1 infection. V11 International Conference on AIDS, Florence, Italy, June 1991. Invited speaker. The importance of viral cultures in patients infected by HIV-1. Canadian Society of Laboratory Technologists and Corporation professionnelle des technologues médicaux au Québec. Montreal, May 1991.
- Wang, E.:** Cellular aging is in part controlled by unique gene activation, X International Symposium on Morphological Sciences, Toronto, July 1991. Possible clinical application of studies on antiproliferation genes, exemplified by work on statin. ASM Conference on Biotechnology, New York, June 1991. Characterization of programmed mechanisms for the expression of nonproliferation specific proteins, statin and terminin, during aging. World Congress on Cell and Tissue Culture, Anaheim, California, June 1991. Clinical application of an anti proliferation gene as exemplified in the protein statin. Ortho Diagnostic Systems, A. Johnson & Johnson Company, Raritan, New Jersey, April 1991.
- Wisbord, S., Chertkow, H., Hamel, E., Meyer, L.E., Gjedde, A., Gauthier, S.:** PET studies of brain activation in Alzheimer's disease. American Psychiatric Association Meeting, New Orleans, May 1991.
- Yechouron, A., Dascal, A., Mendelson, J., Stevenson, J.:** Ability of NCCLS recommended ATCC quality control strains to detect errors in the disc diffusion susceptibility test. ASM Annual Meeting, Dallas, May 1991. The effect of "Incubating" disc diffusion susceptibility plates at room temperature. Susceptibility test. ASM Annual Meeting, Dallas, May 1991 and Annual Meeting of Quebec Microbiology Association, June 1991.
- Zerkowicz, P., Papageorgiou, A., Allard, M., Weiss, M.J.S.:** Behavioral adjustment and self concept in very low birthweight children. Society for Research in Child Development, Seattle, April, 1991.
- Zerkowicz, P., Papageorgiou, A., Weiss, M.J.S., Allard, M., Zelazo, P.:** Cognitive outcomes in low birthweight children (<1000 gms.): Influence of hospital admissions following discharge from NICU. Society for Pediatric Research Meeting, New Orleans, May 1991.

Joyeuse fête de Hanukah  
Happy Chanukah

