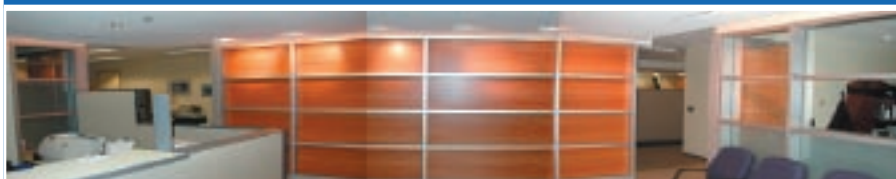


University of Toronto Faculty of Medicine
Centre for Research in Education
at the University Health Network

ANNUAL REPORT 2000



University of Toronto Faculty of Medicine Centre for Research in Education - Annual Report 2000



University Health Network
Toronto General Hospital Toronto Western Hospital Princess Margaret Hospital



University of Toronto
Faculty of Medicine

University of Toronto Faculty of Medicine
Centre for Research in Education
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2000 Annual Report
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Dr. Richard Reznick
Director

Director's Report

It is once again a privilege that I have to write the Director's Report for University of Toronto Faculty of Medicine Centre for Research at the University Health Network. It has been an extremely exciting year for our Centre. We have seen a move of our Centre to a brand new facility on 1 Eaton South at Toronto General Hospital. This past academic year saw a change in the leadership of our faculty and a change in leadership at University Health Network. After nine years as CEO of this hospital, Dr. Alan Hudson retired. What an amazing friend our Centre had in Alan. Without his drive and vision our Centre would have not been a reality. I am thrilled to say that our new CEO, Tom Closson, is equally passionate about our educational mission. As was the case in the transition of leadership in the faculty, from Dr. Aberman to Dr. Naylor, our centre has gone from friend to friend.

Our new facilities consist of 7,000 square feet of brand new renovated space. We had the opportunity to design the space 'de novo'. The process of working through a functional planning process and subsequent architectural design, gave us a chance to rethink the fundamental activities of the Centre and design a space that would be appropriate for our future. We have created an environment that is optimally flexible and will provide a functional area for our research work and expanded technological capabilities. In addition, we have been able to increase the space dedicated to the Standardized Patient Program so that their ever-increasing unit can work in an efficiently designed area.

We have also refurbished the Centre with new technological equipment. This includes updated computing hardware, videoconferencing equipment, and new tools to produce high-end graphics and videos.



Our membership continues to grow and expand, and so does our academic productivity. We continue to have sustained growth in the areas of peer review funding, scholarly presentations and scholarly publications.

As has been the case since the inception of the Centre, our educational programs are the glue that hold our faculty together. Our joint effort with OISE/UT in the Master's Degree in Higher Education with Specialization in Health Professional Education continues to thrive. And in this context, we have housed four fellows in educational research as full time residents of the Centre this year, and we are planning to expand that number to seven fellows in July 2001.

Our Centre is blessed with a dedicated staff. I would specifically like to acknowledge the contributions of several individuals. Our Associate Director, Glenn Regehr, continues to provide leadership in educational research and sets a standard of excellence that we can all aspire to. Niall Byrne, our professor emeritus, is a vital part of our Centre's present and future. We are very grateful to him for having edited this annual report. Douglas Buller, Mariana Cadavid, and Bohdan Sadovy are the core staff of our Centre. They have worked indefatigably to facilitate the work of the professional staff and are vital to the success of the mission of our Centre. Last but not least, Anne Slater has worked tirelessly over the last year to facilitate the move of the Centre to its new headquarters and coordinated most of the complexities surrounding this move.

Once again, it has been an extraordinary privilege to serve as the Director of this Centre. We are indeed very proud of our new home, a home that we hope will be the focal point of many future successful careers.

Richard K. Reznick, MD, MED, FRCS(C), FACS

Vision & Mission

The Centre is dedicated to improving the quality of health professional education through research.

The Centre is designed to bring together health professional educators, basic scientists, clinical and rehabilitation scientists and community health care professionals for the purpose of conducting research aimed at improving curriculum, teaching, learning and evaluation. The overarching mission of the Centre is to contribute to the production of better scientists, clinicians, teachers and educational researchers than presently exist.

The Centre will :

1. Conduct a program of research, which will be drawn from:
 - Learners, learning and learning environments and their evaluation and improvement.
 - Teachers and teaching evaluation and improvement.
 - Informatics in health professional education.
 - Computer assisted instruction.
 - Clinical and technical skills assessment.
 - Curriculum development and evaluation.
 - Interdisciplinary projects in cognitive sciences regarding clinical problem solving, critical thinking and memory.
 - Health Sciences Faculties collaborative projects related to educational and practice outcomes of health professional education.
 - Faculty development.
2. Encourage and support diverse individual research initiatives.
3. Set targets for peer review publications and scholarly presentations for both the short and long term, using current publication track records as a base line.
4. Be used by faculty members as the vehicle enabling them to advance their academic careers through education research.
5. Establish a consortium of Ontario Medical Schools to act as guide and stimulus for the continuing development of the Master's and higher level degree programs in Health Professional Education.
6. Graduate from the Master's and higher level degree programs, a cadre of educators who will be leaders in education in their respective departments.
7. Provide advice and consultation related to education issues and problems with emphasis on undertakings with a research/evaluation potential.
8. Achieve recognition, by appointments, awards and research productivity, as being a leader in the field of education research.
9. Attract at least one eminent visiting scholar in the field each year to conduct research and present research ideas and findings.
10. Produce and widely disseminate an annual report of the Centre's research, education and consulting accomplishments.

Staff

The centrally located staff is comprised of 21 people with varying professional backgrounds including Medicine, Psychiatry, Physiotherapy, Surgery and Education. This core group represents the foundation members of a dynamic enterprise in the Faculty of Medicine, dedicated to achieving the Centre's objectives.

Richard K. Reznick, M.D., Director	416-340-3646	richard.reznick@utoronto.ca
Glenn Regehr, Ph.D., Associate Director and Professional Educator	416-340-3615	g.regehr@utoronto.ca
Douglas Buller, Research Assistant	416-340-4777	douglas.buller@utoronto.ca
Niall P. Byrne, Ph.D., Professional Educator	416-340-4214	niallbyrne@utoronto.ca
Mariana Cadavid, Administrative Assistant	416-340-3646	mariana.cadavid@utoronto.ca
Doreen Cleave-Hogg, Ph.D., Professional Educator	416-340-4196	d.cleave@utoronto.ca
Kim Garwood, M.A., Research Assistant	416-340-3646	kim.garwood@utoronto.ca
Stan Hamstra, Ph.D., Professional Educator	416-340-4172	s.hamstra@utoronto.ca
Jodi Herold-McIlroy, M.A., Academy Associate	416-340-4219	jodi.herold@utoronto.ca
Brian Hodges, M.D., Vice-Chair, Education, Department of Psychiatry	416-340-3039	brian.hodges@utoronto.ca
Natasha Kachan, M.Ed., Research Assistant	416-340-3646	nkachan@oise.utoronto.ca
Lorelei Lingard, Ph.D., Professional Educator	416-340-3202	lorelei.lingard@utoronto.ca
Katherine MacRury, Ph.D., Professional Educator	416-978-1831	k.macrury@utoronto.ca
Joyce Nyhof-Young, Ph.D., Professional Educator	416-946-4501(5838)	joyce.nyhof-young@uhn.on.ca
Peeter Poldre, M.D., Director, The Peters-Boyd Academy	416-480-4274	peeter.poldre@utoronto.ca
Anja Robb, Director, Standardized Patient Program,	416-978-4102	anja.robb@utoronto.ca
Arthur Rothman, Ed.D., Professional Educator	416-978-4014	arthur.rothman@utoronto.ca
Lynn Russell, M.D., Director, The Wightman-Berris Academy	416-340-4832	lrussell@uhn.on.ca
Bohdan Sadovy, Systems Administrator	416-340-3911	bohdan.sadovy@uhn.on.ca
Anne Slater, R.N., Administrative Assistant	416-340-4110	anne.slater@uhn.on.ca
Richard Tiberius, Ph.D., Professional Educator	416-340-4194	r.tiberius@utoronto.ca

Members

(A) Members

The 160 strong membership of the Centre is drawn eclectically from all parts of the faculty. The membership, listed below and inclusive of the Centre's core staff, has over 60 of its members with higher level degrees in education (MEd, EdD, PhD) or in the process of achieving such status. The strength of the Centre is derived from its core staff of 15 academics, 6 administrative staff and 139 cross-appointments, all of whom have a vested interest in educational scholarship. The Centre is focussed on coordinating this huge aggregation of talent in the faculty, which rivals any other medical school in the Western World.

Abrams	Howie	Medicine
Ackermann	Uwe	Physiology
Agur	Anne	Anatomy & Cell Biology
Aiken	Fran	Occupational Therapy
Ali	Jameel	Surgery
Allen	Lynn C	Toronto Medical Laboratories
Anastakis	Dimitri	Surgery
Bacchus	Maria	Medicine
Baines	Andrew	Professor Emeritus
Baker	G. Ross	Health Administration
Bandiera	Glen	Emergency Medicine
Barden	Wendy	Physical Therapy
Batty	Helen	Family & Community Medicine
Bayliss	Colin	Surgery
Braden	Harold	Anesthesia
Brown	Mitch	Surgery
Byrne	Niall	Centre for Research in Education
Cameron	Debra	Occupational Therapy
Carr	Michele	Otolaryngology
Catton	Pamela	Radiation Oncology
Chalin	Catherine	Public Health Sciences
Cleave-Hogg	Doreen	Anesthesia
Cohen	Carole	Psychiatry
Colantonio	Angela	Occupational Therapy
Cunningham	Nicki	Physiotherapy Associate
Cusimano	Michael	Surgery
Darling	Gail	Surgery
Davis	Dave	Family & Community Medicine
Day	Anna	Medicine

De Groot	Janet	Psychiatry
Devitt	Hugh	Anesthesia
Dubinsky	Isser	Emergency Medicine
Edmeads	John	Medicine
Frecker	Rick	Associate Dean, UMEO
Freeman	Risa	Family & Community Medicine
Friedland	Judy	Occupational Therapy
Froggatt	Gordon	Medicine
Gare	Douglas	Obstetrics & Gynecology
Geist	Rose	Psychiatry
Ginsburg	Shiphra	Medicine
Girolametto	Luigi	Speech Language Pathology
Goldbloom	David	Psychiatry
Gordon	Allan	Medicine
Gray	Georgina	Physical Therapy
Guest	Cameron	Anesthesia
Hamstra	Stan	Surgery
Hanson	Mark	Psychiatry
Harnet	Nicole	Radiation Therapy
Harvey	Bart	Public Health Sciences
Hebert	Debbie	Occupational Therapy
Herold-McIlrory	Jodi	Physical Therapy
Hilliard	Robert	Paediatrics
Ho Ping Kong	Herbert	Medicine
Hodges	Brian	Psychiatry
Houston	Patricia	Anesthesia
Hutchison	Carol	Surgery
Johnson	Ian	Public Health Sciences
Jones	Glen	Theory & Policy Studies
Kane	Gabrielle	Radiation Oncology
Kapusta	Linda	Laboratory Medicine & Pathobiology
Kirsh	Bonnie	Occupational Therapy
Korenblum	Marshall	Psychiatry
Kutas	George	Medicine
Lax	Leila	Division of Biomedical Communications (Surgery)
Leatt	Peggy	Health Administration

Members

Lee	Shirley	Emergency Medicine
Leonard	Kevin	Health Administration
Lieb Gott	Bernie	Anatomy & Cell Biology
Lingard	Lorelei	Paediatrics
MacRae	Helen	Surgery
MacRury	Katherine	Obstetrics & Gynecology
Manchul	Lee	Radiation Oncology
Muzzin	Linda	Theory & Policy Studies
McKee	Pat	Occupational Therapy
McLean	Arline	Medicine
Meier	Rosemary	Psychiatry
Midmer	Deana	Family & Community Medicine
Morgan	Pam	Anesthesia
Moyo	Elen	Radiation Oncology
Murnaghan	John	Surgery
Nayer	Marla	Physical Therapy
Nyhof-Young	Joyce	Radiation Oncology
Oandasan	Ivy	Family & Community Medicine
Oliver	Gillian D.	Obstetrics & Gynecology
Peniston	Charles	Surgery
Pirie	Jonathan	Paediatrics
Pittini	Richard	Obstetrics & Gynecology
Poldre	Peeter	Medicine
Quirt	Ian	Medicine
Rachlis	Anita	Medicine
Raphael	Simon	Laboratory Medicine & Pathobiology
Rappolt	Susan	Occupational Therapy
Regehr	Glenn	Psychiatry
Reid	Denise	Occupational Therapy
Reznick	Richard	Surgery
Richardson	Denyse	Medicine, Division of Physiatry
Robb	Ken	Medicine
Rosenfield	Jay	Paediatrics
Rosser	Walter	Family & Community Medicine
Rossi	Miriam	Associate Dean, Student Affairs
Rothman	Arthur	Medicine

Russell	Lynn	Medicine
Schneider	Rayfel	Paediatrics
Schreiber	Martin	Medicine
Shafir	Sharon	Family & Community Medicine
Shapiro	Solomon	Psychiatry
Sibbald	Gary	Medicine
Silver	Ivan	Psychiatry
Sinclair	Lynne	Physical Therapy
Smith	Tina	Health Administration
Spero	Lawrence	Pharmacology
Stewart	Pat	Anatomy & Cell Biology
Styra	Rima	Psychiatry
Talbot	Yves	Family & Community Medicine
Tallett	Susan	Paediatrics
Tassone	Maria	Physical Therapy
Taylor	Ian	Anatomy & Cell Biology
Tenenbaum	Jerry	Medicine
Tiberius	Richard	Psychiatry
Tucker	William	Surgery
Ungar	Thomas	Psychiatry
Urowitz	Murray	Associate Dean, Postgraduate Education
Verrier	Molly	Physical Therapy
Watson	William	Family & Community Medicine
White	David	Family & Community Medicine
Wiley	Michael	Anatomy & Cell Biology
Wilson	Lynn	Family & Community Medicine
Wilson	Don	Professor Emeritus
Wilson-Pauwels	Linda	Surgery & Division of Biomedical Communications
Windrim	Rory	Obstetrics & Gynecology
Zahn	Cathy	Medicine
Zbieranowski	Ingrid	Laboratory Medicine & Pathobiology

Members

(B) Associate Members

Abosh	Beverley	Wightman-Berris Academy
Ali	Anthony	Radiation Therapy
Allen	Lisa	Obstetrics & Gynecology
Bayne	Jennifer	Fudger Health Sciences Library
Caputo	Lisa	Clinical Education
Cheng	Ambrose	Psychiatry
Childs	Ruth	Measurement & Evaluation Program (OISE-UT)
Eva	Kevin	Psychology, McMaster University
Frank	Jason	Emergency Medicine
Goguen	Jeannette	Endocrinology & Metabolism
Gold	Wayne	Medicine
Kennedy	Tara	Child Development Centre, Hospital for Sick Children
Kohm	Catherine Ann	Social Work
Leadbetter	Wendy	The Foundation of Medical Practice Education, McMaster University
Leishman	Joan	Gerstein Science Information Centre Library
Murray	Judy	Physiotherapy Services
Parker	Kathryn	Psychiatry
Rath	Darlyne	Continuing Education
Robb	Anja	Family & Community Medicine
Saranchuk	Ron	Clinical Education
Tabur	Susanne	Gerstein Science Information Centre
Waisman	Zohar	Psychiatry

New Members

Anthony Ali, MRT(T), MEd, clinical instructor, The Michener Institute for Applied Health Science, Radiation Therapy.

Glen Bandiera, MD, FRCPC, MEd, staff physician in the Division of Emergency and clinician-educator at the Department of Medicine, U of T.

Wendy Barden, BSc(PT), MSc(Kin), Physiotherapist, Plastic Surgery Program, Department of Rehabilitation Sciences, Hospital for Sick Children.

Debra Cameron, MEd, OT(C), Clinical Lecturer and Fieldwork Coordinator, Occupational Therapy, University of Toronto.

Michele Carr, MD, MEd, Assistant Professor, Department of Otolaryngology.

Ruth Childs, PhD, Assistant Professor, Measurement & Evaluation Program, Department of Curriculum, Teaching and Learning, OISE/UT.

Nicole Harnet, MRT(T), BSc, AC(T), Radiation Therapy Program, Division of Laboratory and Radiation Sciences, The Michener Institute for Applied Health Sciences.

Tara Kennedy, MD, FRCPC, Child Development Centre, Hospital for Sick Children.

Shirley Lee, MD, MHSc, CCFP(EM), Assistant Professor, Division of Emergency Medicine, Toronto General Hospital, University Health Network.

Elen Moyo, MEd, BSc(TR), Instructor, U of T, Michener Institute for Applied Health Science, Radiation Oncology.

Simon Raphael, MD, FRCP(C), Pathologist and Assistant Professor, Department of Laboratory Medicine & Pathobiology.

Denyse Richardson, MD, FRCP(C), Lecturer, Department of Medicine, Division of Psychiatry.

Advisory Council Membership

Dr. Arnold Aberman, Faculty of Medicine, University of Toronto.

Dr. Michael Baker, Physician-in-Chief at the University Health Network, Vice President, Princess Margaret Hospital and Professor of Medicine at the University of Toronto.

Dr. Helen Batty, Director, Graduate Studies, Department of Family & Community Medicine, Faculty of Medicine, University of Toronto.

Dr. Niall Byrne, Professor Emeritus, Faculty of Medicine, University of Toronto.

Dr. Dale Dauphinee, Executive Director, Medical Council of Canada.

Dr. Dave Davis, Associate Dean, Continuing Medical Education, Faculty of Medicine, University of Toronto.

Ms. Joan Edwards, Chief Nursing Officer at the University Health Network.

Prof. Angela Hildyard, Principal of Woodsworth College, University of Toronto.

Mr. Charlie Johnson, CEO of Medical Education Training Associates, L.L.C, US .

Ms. Elana Lavine, Medical Student, University of Toronto.

Dr. Linda Muzzin, Higher Education Group, Department of Theory & Policy Studies, OISE/UT.

Dr. Johanna Murphy, Internal Medicine Resident, University of Toronto.

Dr. Glenn Regehr, Medical Educator and Associate Director, University of Toronto Faculty of Medicine, Centre for Research in Education.

Dr. Richard Reznick, Director, University of Toronto Faculty of Medicine, Centre for Research in Education.

Dr. David Tannenbaum, Director of Postgraduate Education in the Department of Family and Community Medicine, Faculty of Medicine, University of Toronto.

Mr. Paul A. Taylor, Retired.

Dr. Richard Tiberius, Medical Educator, Faculty of Medicine, University of Toronto.

Prof. Molly Verrier, Chair, Department of Physical Therapy and Rehabilitation Science, Faculty of Medicine, University of Toronto.

Dr. Donald R Wilson, Professor Emeritus, Department of Surgery, Faculty of Medicine, University of Toronto.

Educational Scholarship Programs

Educational Scholarship Programs

One of the challenges of the Centre is to raise the profile of education and educational scholarship in the faculty. To this end the Centre conducts four distinct programs:

- (i) Education Grand Rounds
- (ii) Education Research Rounds
- (iii) Teaching Programs (Academic, Professional)
- (iv) Research Symposium 2000 (OMEN)

(i) Education Grand Rounds

These rounds continue to be a major identifier of the various roles of CRE at the Faculty of Medicine and its teaching hospitals, and among the other four Ontario Medical Schools. The success of the rounds led to an agreement to share responsibilities for presenting rounds with all of the Ontario medical schools through videoconferencing technology. The sharing of rounds was intended to be an expression of the Ontario Medical Education (OMEN) partnerships. The on-line rounds began in September 2000 and can be viewed at this site: http://cre.med.utoronto.ca/omen/rounds/omen_instruct.htm.

The 2000 schedule of rounds was as follows:

January 27, 2000

The Real Thorn of PBL: Evaluation

- Dr. Alan Neville, Undergraduate MD Program, McMaster University
 - Dr. Ingrid Zbieranowski, Laboratory Medicine and Pathobiology, University of Toronto
 - Ayelet Kuper, Medical Student, University of Toronto
- Moderator: Dr. Arthur Rothman, Department of Medicine, University of Toronto

February 17, 2000 -- "SPECIAL ROUNDS"

International Health and International Education?

- Dr. Gary Filerman, Senior Advisory, Academy for Educational Development and Acting Chair, Department of Health Administration, George Washington University

February 24, 2000

Virtual Reality in Health Professions Education

- Joseph Henderson, MD, Interactive Medical Laboratory, Dartmouth Medical School, Hanover, NH
- Pat Stewart, PhD, Department of Anatomy and Cell Biology, Faculty of Medicine, University of Toronto

March 23, 2000

Self Evaluation: A Fantasy

- Dr. Jeff Turnbull, Vice-Dean, Medical Education, University of Ottawa
- Dr. Vivek Goel, Chair, Health Administration, Faculty of Medicine, University of Toronto

April 27, 2000

Outcomes Research in Health Professions Education: State of the Art

- Dr. Robyn Tamblyn, Associate Professor, Departments of Medicine, Epidemiology & Biostatistics; Co-Director, Health Services and Outcomes Research, McGill University
- Dr. Bart J. Harvey, Assistant Professor, Department of Public Health Sciences, Faculty of Medicine, University of Toronto

May 25, 2000

Communication: Can it be Taught?

- Dr. Susanne Kurtz, Professor of Communication in the Faculties of Education & Medicine, University of Calgary
- Dr. Peeter Poldre, Department of Medicine, University of Toronto
- Dr. Jay Rosenfield, Department of Paediatrics, University of Toronto
- Dr. Lorelei Lingard, Department of Paediatrics & Centre for Research in Education, University of Toronto

June 15, 2000

Maintaining Mastery Teaching

- Dr. Martin Schreiber, Department of Medicine
 - Dr. Ian Taylor, Department of Anatomy & Cell Biology
 - Dr. Sheldon Mintz, Department of Medicine
- Moderator: Dr. Richard Tiberius, Department of Psychiatry & Centre for Research in Education, Faculty of Medicine, University of Toronto

September 14, 2000: Host: University of Toronto

Challenges and Opportunities in Ontario Medical/Health Sciences Education:

An Exchange of Ideas by the Five Deans of Medicine

- Dean Carol Herbert, University of Western Ontario
 - Dean Russell Joffe, McMaster University
 - Dean David Naylor, University of Toronto
 - Dean David Walker, Queen's University at Kingston
 - Dean Peter Walker, University of Ottawa
- Moderator: Dr. Dave Davis, Associate Dean, Continuing Education, University of Toronto

October 19, 2000: Host: University of Toronto

Decision Analysis, Evidence-Based Medicine, and Medical Education

- Dr. Arthur Elstein, Department of Medical Education, University of Illinois at Chicago
- Discussant: Dr. Donald Redelmeier, Senior Scientist, Department of Medicine, University of Toronto
- Moderator: Dr. Glenn Regehr, Centre for Research in Education, University of Toronto

November 23, 2000: Host: University of Ottawa

Evaluating Teaching as an Academic Activity: Is the "triple-threat" academic clinician a reality?

- Dr. Jeff Turnbull, Department of Medicine, University of Ottawa
 - Dr. Meridith Marks, Department of Medicine, University of Ottawa
- Moderator: Dr. Robert Hilliard, Department of Paediatrics, University of Toronto

December 14, 2000: Host: University of Toronto

Professionalism: Can it be Defined and Measured?

- Dr. David Stern, Department of Medicine, University of Michigan
 - Dr. Shiphra Ginsburg, Department of Medicine, University of Toronto
- Moderator: Dr. Ian Johnson, Department of Public Health Sciences, University of Toronto

Educational Scholarship Programs

(ii) Education Research Rounds

These rounds are organized for faculty members to present research and work-in-progress with the object of receiving constructive feedback from the audience. Since their inception over four years ago, these rounds have grown in terms of research sophistication and quality and in attendance. Dr. Yves Talbot (Department of Family & Community Medicine) chairs a planning committee with Drs. N. Byrne (CRE), J. Frank (Emergency Medicine) and L. Spero (Pharmacology) as members. The presentations for the year 2000 were as follows:

January 17, 2000

Presentation 1:

Policy Options for the Forward-Feeding of Student Assessment Information

Dr. Wayne Gold, Internal Medicine

Presentation 2:

Impact of Formal Continuing Medical Education: Do Conferences, Workshops, Rounds, and Other Traditional Continuing Education Activities Change Physician Behavior or Health Care Outcomes?

Dr. Dave Davis, Associate Dean, Continuing Medical Education

February 21, 2000

Presentation 1:

Predictive Validity of Academic and Non-academic Admissions Variables -- Dr. Aaron Cass (PGY2 Internal Medicine), Dr. Jay Rosenfield (Department of Paediatrics). Co-investigators: Dr. Glenn Regehr, Ms. Jodi Herold-McIlroy, BHSc, Centre for Research in Education

Presentation 2:

Key Behaviours of Effective Clinical Tutors in Physiotherapy -- Judy Murray, Registered Physiotherapist, MEd, Education Practice Leader. Co-investigators: Carol Fancott and Jodi Herold-McIlroy, Department of Physiotherapy

April 17, 2000

Presentation 1:

Challenges in Cross-Cultural Therapeutic Communication -- Dr. Rosemary Meier. Co-investigators: Dr. William Lancee, Dr. Joel Sadavoy, Amoy Ong MSW PhD(Cand), Department of Psychiatry

Presentation 2:

Is Five greater than Six? Advantages to Using a 6-point Likert Scale to Measure Satisfaction -- Kathryn Parker, MA, Centre for Addiction and Mental Health

May 15, 2000

Presentation 1:

Getting Your Book Published -- Pat McKee, MSc, OT(C), Department of Occupational Therapy

Presentation 2:

Developing Competency Assessment Tools To Measure the Family Physician's Ability to be Community Responsive: A Pilot Study -- Drs. Ivy Oandasan, Dave Davis, Sharon Shafir, Niall Byrne, Rebecca Malik, Barbara Stubbs, Ian Waters, Didar Ouladi, Department of Family & Community Medicine

Monday, June 19, 2000

Presentation 1:

Appropriateness for using PBL Type Learning with Postgraduate Trainees -- Dr. Charles M. Peniston, Department of Surgery.

Presentation 2:

Community-Based Continuing Education -- Dr. Walter Rosser, Department of Family & Community Medicine.

September 18, 2000

Presentation 1:

Development of a Tool to Assess Factors that Facilitate Residents' Comfort Levels with Their Programs -- Drs. Nishtha Kapur, Preeti Sachdeva, Woods Joanne, Stephano Chiozza, Yves Talbot, partment of Family and Community Medicine.

Presentation 2:

Labour Epidural Log Books: Can CUSUM (Cumulative Sum) Analysis Predict a Minimum Number for Competency -- Dr. Viren Naik, Department of Anesthesia. Co-Investigators: Drs. Isabella Devito, Stephen H. Halpern, Department of Anesthesia, Mount Sinai Hospital, Sunnybrook and Women's College Health Sciences Centre

November 20, 2000

Presentation 1:

OSCE Global Ratings: Getting Inside the Examiners' Heads -- Ms. Jodi Herold-McIlroy, Dr. Brian Hodges (co-author), Department of Physiotherapy, Psychiatry and CRE

Presentation 2:

Visual Spatial Abilities Relevant to Surgical Training--Dr. Stan Hamstra, Department of Surgery and CRE

Educational Scholarship Programs

(iii) Teaching Programs

The Centre:

- conducts a wide range of teaching and learning improvement programs and workshops.
- organizes and conducts local, national and international health professional education conferences.
- conducts university education grand rounds, research rounds, journal club and informal discussion sessions.
- collaborates with graduate and postgraduate departments of the University of Toronto in providing the following programs:

Academic:

- MEd in Health Professional Education (Drs. Byrne, Muzzin, Regehr, Rothman & Tiberius)
- MHSc in Community Health (Dr. H. Batty, Family & Community Medicine)
- EdD in Higher Education (CRE Graduate Faculty members)
- PhD in Higher Education (CRE Graduate Faculty members)

Professional:

- Fellowship in Surgical Education (Drs. Reznick, MacRae, Regehr, Anastakis, Murnaghan, Cusimano, Hamstra, Brown)
- Fellowship in Academic Family Medicine (Drs. Batty, Talbot)
- Five Weekend Program (Drs. Talbot, Batty)
- Teaching Residents to Teach Certificate (Drs. Rachlis, Murnaghan, Byrne, Wilson)
- Teaching in the Biomedical Science (Dr. Rothman)
- Surgical Skills Courses, 16 Continuing Medical Education courses and 87 Postgraduate courses were given in 2000 (Dr. Hutchison)

The Academic Program and in particular the MEd has been an unqualified success with 272 candidates enrolled since its inception in 1987. Relative to the University of Toronto Medical Faculty, 40 have graduated and 54 remain enrolled in the program. An additional 13 completed graduate degrees in education at other universities, making a total cadre of 107 who have selected education as their academic focus at the University of Toronto. These faculty members play important roles in the development and administration of the various curricula and contribute significantly to all aspects of teaching. Two of the three University of Toronto Academy Directors, the Director of the Centre and the Director of the MHSc in Family Medicine have Master's degrees in education. The graduates also include eight undergraduate program directors, eight undergraduate course directors, five hospital clerkship coordinators, ten postgraduate program directors, three continuing education directors and many who teach undergraduate and postgraduate students, and organize faculty development programs. Twenty have won Aikins Awards (the most prestigious teaching award of the faculty), while five have been named Association of Canadian Medical Colleges (ACMC) Young Researcher of the Year.

The Fellowship in Surgical Education

The overall goal of this program is to provide a fellowship in surgical education. The specific aim is to initiate the process of preparing the candidate for a career as a surgical educator. Eight faculty members who assume a shared responsibility for the program design, seminar instruction, research program tutelage, and candidate assessment administer this program. The faculty members are Drs. Richard Reznick, John Murnaghan, Michael Cusimano, Glenn Regehr, Mitchell Brown, Helen MacRae, Dimitri Anastakis and Stan Hamstra. One member of the eight faculty is appointed as principal supervisor for a specific candidate.

The Fellows for the year 2000 were Marco Caminiti, Deepak Dath, Viren Naik, Eddie Matsumoto, Mylène Ward and Kyle Wanzel



Dr. Marco Caminiti is presently an assistant professor in the discipline of Oral and Maxillofacial Surgery at the University of Toronto. He participated in the Surgical Education fellowship from 1998 to 2000. His supervisors were Drs. Stan Hamstra,, Glenn Regehr, Mitch Brown and Richard Reznick. During his fellowship Dr. Caminiti received grants from the APMC for research focussing on technical skills training. He also received grants for research on the predictive validity of aptitude testing. He received his Master's in Education in June 2000 and presently is the Coordinator of Surgical Education and staff in the division of Oral and Maxillofacial Surgery at the Toronto General Hospital. He is engaged in resident and undergraduate education and continues to do research in resident selection and in oral examination validity while maintaining an interest in orthognathic surgery.



Dr. Deepak Dath completed his general surgical training before pursuing his fellowship in surgical education from 1999-2000. During his fellowship, he was supervised by Helen MacRae, Richard Reznick, and Glenn Regehr. Dr. Dath received the first grant from the Center for Excellence in Surgical Education Research and Teaching Foundation at the Association for Surgical Education and completed a project that examined technical skill acquisition. The project was presented as a moderated poster at the association's annual meeting. Dr. Dath completed his Master's of Education degree which was awarded in March 2001. He is currently engaged in a second fellowship in Hepatobiliary surgery at the University of Toronto and will return to McMaster University later this year as a clinician and a surgical educator.



Dr. Edward D. Matsumoto is completing the Surgical Education Fellowship as part of the Surgical Scientist Program (1999-2001) at the Centre for Research in Education. He has been supervised by Drs. Stanley Hamstra, Sidney Radomski and Michael Cusimano. His research has focussed on technical skills training and evaluation in urology. During his fellowship Dr. Matsumoto received two peer-reviewed grants and placed first in the Northeastern American Urological Association Resident Prize Essay Competition and third in the American Urological Association - ACMI Clinical Essay Competition. He will be receiving his Master's degree in June 2001 and will return to residency for his last two years of training. His goals include completion of a minimally invasive surgery fellowship and seeking a career in academic surgery.



Dr. Viren Naik is a fourth year anesthesiology resident who will be completing his Master's of Education and Fellowship in Education in June 2001. Dr. Naik's research focuses on technical skills training. He received a PSI grant to study the efficacy of training fiberoptic intubation skills on a bench model for transfer into the operating room. This work has been accepted in the specialty's most prestigious journal - *Anesthesiology*. Dr. Naik plans to pursue a career in academic medicine upon completion of his training. Future areas of research will further examine whether a minimum number of procedures for competency at a particular skill can be defined, and examining the humanistic behaviours of anesthesiology residents in the outpatient setting.

Educational Scholarship Programs



Dr. Kyle R. Wanzel is a third year plastic surgery resident. He is concurrently completing a Master's of Education degree, the Royal College Clinician Investigator Program and the Surgical Education Fellowship at the Centre for Research in Education, as part of the University of Toronto Surgeon Scientist Program. Dr. Wanzel's research has focused on the relationship between visual-spatial ability and surgical performance and the development of an Internet-based educational tool for reconstructive breast surgery. He was awarded the Henrietta Banting Research Fellowship from Sunnybrook and Women's College Health Sciences Centre and was recently awarded a research grant from Mentor Surgical Supplies. Preliminary work has been accepted for publication in his specialty's journal *Plastic and Reconstructive Surgery*. Dr. Wanzel will be returning to clinical duties in June 2002 and plans to pursue a career in academic surgery upon completion of his residency training.



Dr. Mylène Ward, a third year general surgery resident, is enrolled in the Surgical Education Fellowship as part of the Surgical Scientist Program (2000 – 2002) at the Centre for Research in Education. Her supervisors are Drs. Helen MacRae and Niall Byrne. Her research interests include self-assessment and continuing medical education. She has recently received a peer-reviewed grant from the Association for Surgical Education Foundation for a research proposal on self-assessment of technical skill. She will complete her Master's of Education in June 2002. Dr. Ward will return to residency at that time and plans to pursue a career in academic surgery.

(iv) Research Symposium 2000 (Ontario Medical Education Network)



This event was the third of a series of biennial education research symposia at the University of Toronto and the first that represented the collaboration of the five Ontario schools. A special invitation was extended to and accepted by the Medical Faculty of the University of Michigan because of a developing research collaborative relationship between the Centre for Research in Education and our Michigan colleagues.

Dr. Arthur Elstein, University of Illinois at Chicago, was the keynote speaker. His presentation was titled "The Past and Future Impact of Research in Medical Education". Dr. Richard Tiberius (CRE) presented a personal overview of his own role and contribution to medical education.

The symposium attracted more than 95 oral and poster presentations of work done by members of the Medical and Health Science Faculties of McMaster University, Queen's University, University of Ottawa, University of Toronto, University of Western Ontario and the University of Michigan. The themes addressed included: faculty development, curriculum development and evaluation, computers in education, assessment of learning and performance, basic learning skills and multidisciplinary in education. These themes were reflected in studies relating undergraduate, postgraduate and continuing education, with each sector occupying a significant part of the program. Dr. Arthur Rothman (CRE), Chair, Dr. Niall Byrne (CRE), Dr. Sheldon Mintz (Department of Medicine), Dr Dave Davis (Continuing Medical Education) and Mariana Cadavid (CRE) organized the event with a broad based faculty committee. The next symposium will be held at Queen's University in 2002.

Collaborative Partnerships

The establishment of collaborative partnerships with three different but highly complementary units has enhanced the mission and objectives of the Centre for Research in Education.

1. The Standardized Patient Program (SPP) strives to enhance all facets and levels of health professional education by providing well-trained standardized patients who function as a dynamic educational resource. The objectives of the SPP are:

- To promote and enhance the health professional/patient relationship in the delivery of health care by:
 - facilitating the integration of clinical skills with interpersonal and professional behaviors.
 - promoting the importance of the human element in medicine and the other health professions and by deepening awareness of patient needs and expectations.
- To systematically improve the delivery of health professional curricula by:
 - broadening the scope of the students' clinical experience through exposure to a full range of patient scenarios.
 - standardizing teaching and assessment.
- To improve the utilization of standardized patients as a learning resource through:
 - collaboration with health professional educators.
 - faculty development which focuses on the optimal use of this resource.
- To contribute to health professional education through scholarship.

The SPP is headed by Anja Robb with Nancy McNaughton and Diana Tabak as associate directors. The SPP has two administrative assistants, four trainers, seven associate trainers and a panel of approximately 150 standardized patients completes its staff complement. The SPP serves a number of Faculty of Medicine Departments, the Faculty of Pharmacy at the University of Toronto, many professional colleges and professions and is linked with the private sector on some projects.

Enterprising collaboration between faculty and standardized patients is yielding a broad spectrum of possibilities in teaching, assessment, and research which is changing the face of healthcare education and delivery. At the same time, the presence of SPs in the classroom serves to ensure that, within the current context of staggering technological advance, that face remains human. A crucial mandate of the Standardized Patient program is to ensure that students stay in touch with people, in the context of the clinical challenges they will face. The SPP is cultivating a living resource for this purpose.

2. The Surgical Skills Centre, directed by Dr. Carol Hutchison, Department of Surgery and a member of the Centre, was established in 1998. Located at Mount Sinai Hospital, the Surgical Skills Centre is the first of its kind in Canada. This centre allows students and residents to practise on realistic models and use computer simulations to strengthen their surgical expertise. In partnership with the Centre for Research in Education, the Surgical Skills Centre facilitates researchers in developing new ways of training surgeons, studying teaching and learning approaches and developing and testing new methods of evaluating technical competence and new technologies.

Joint appointments to both centres and a number of joint research and development initiatives affirm the close working relationship between the two units.

Scholarly Awards

Members of the Centre continue to achieve a large number of scholarly awards. Members received 19 awards in 2000.

Baker RG. 2000. Regent's Award from the American College of Healthcare Executives for his contributions of improving care and service in the Canadian healthcare system.

Catton P. 2000. The Wightman-Berris Academy Anderson Award for Educational Administration.

Darling G. 2000. Bruce Tovee Award for Undergraduate Teaching.

Frank JR and Bandiera G. 2000. Resident Outcomes of Scholarly Activity (ROSA): Phase I. Presentation at UofT. Emergency Medicine Academic Day, June 20. Best Methodology Prize Winner.

Friedland J. 2000. PT/OT Alumni Achievement Award.

Ginsburg S. 2000. F.M. Hill Teaching Award, Sunnybrook and Women's College Health Sciences Centre Department of Medicine.

Goldbloom DS. 2000. The Council Award of the College of Physicians and Surgeons of Ontario, awarded annually to four physicians in Ontario who are deemed to fulfil the EFPO criteria for outstanding physicians

Goldbloom DS. 2000. The Abraham Miller Award for Excellence in Undergraduate Education, Department of Psychiatry, University of Toronto. This is awarded annually to one member of the Department

Leonard K. 2000. MHS students in Health Administration Decision Systems course (HAD 5764, Winter 2000) won research award during Research Day, April 26, 2000, for first place in poster competition, Rosenfeld Award.

Leonard K. 1999-2000. Received Award of Recognition for Community Service at CCAC Waterloo Annual Meeting.

Lingard L. 2000. Association of American Medical Colleges, Research in Medical Education Division New Investigator Award

Lingard L, Reznick R, Espin S, DeVito I, Regehr G. (May 2000). The Association for Surgical Education Foundation's Haemonetics Corporation Outstanding Paper Award. Team communications in the operating room: Talk pattern, sites of tension and implications for novices. Annual Meeting of the Association for Surgical Education, Toronto, ON.

Meier HMR. 2000. Scholar Harvard Macy Institute for Physician Educators.

Oandasan I. 2000. Award of Excellence for Course/Program Development and Coordination: The Community Oriented Primary Care Curriculum: Department of Family & Community Medicine, Faculty of Medicine University of Toronto

Reznick RK. 2000. National Board of Medical Examiners John P. Hubbard Award.

Rosenfield J. 2000. Award Winner- Meritorious Service Award, Learning Disabilities Association of Ontario

Shafir S. 1999-2000 Beverley & Bernard Giblon Professorship to develop a Procedural Skills Training Program for DFCM residents.

Schneider R. 2000. R.H.A. Haslam Preclerkship Teaching Award, Department of Paediatrics, for excellence in preclerkship teaching

Windrim R. 2000. Awarded the CREOG (Council of Resident Education in Obstetrics and Gynaecology) Faculty Award for Excellence in Resident Education.

Research & Development Grants

Abbey S, Hodges B, Hanson M, McNaughton N. Which is the best assessment of the clinical skills of psychiatry residents: An oral examination or an OSCE? Medical Council of Canada, 2000-2001.	\$25,000
Ackermann U. An electronically-assisted system of education. Provost's IT Development. Fund Matching funds from Dean, Faculty of Medicine; Edu-Deans, Faculty of Medicine; Department of Physiology, Faculty of Medicine, 2000.	\$50,000
Anastakis DJ, Brown M, Ali J, Hamstra S, Hutchison C, Murnaghan J, Regehr G, Reznick R. Evaluating the effectiveness of a 2-year curriculum in a surgical skills centre: The future of surgical training? Physicians Services Incorporated Foundation, 1998-2000 (2 yrs \$82,555).	\$41,277
Anastakis DJ, Mikulis D, Chen R. Functional MRI: Mapping brain activity following amputation and peripheral nerve injury. Workers Safety and Insurance Board, 1998-2000 (2 yrs \$47,700).	\$23,850
Andrew MH, Cohen CA, Tiberius RG. Maintaining the therapeutic alliance in dementia: A continuing education pilot intervention for family physicians. The Canadian Academy of Geriatric Psychiatry, 1999-2000.	\$2500
Barden W, Clarke HM, Young NL, McKee N, Regehr G. Effectiveness of telehealth for teaching specialized hand assessment techniques to physical therapists. Hospital for Sick Children Research Institute – Seed Grant 1998-2000 (2 yrs \$12,500).	\$6,250
Bayliss CE. Medical Physiology Teaching. Dept. of Surgery Research Activities, 1988-2002 (\$2,400 per year).	\$2,400
Byrne NP, Scarth F. Health Professions Education in Ontario and Child Poverty: A Description of Exemplar Courses. Associated Medical Services Inc., 2000.	\$25,000
Caminiti M, Regehr G, Brown M, Hamstra S, Reznick R. Teaching technical skills in oral surgery: Focussed skills training vs. sequential peripheral skills curriculum. Association of Canadian Medical Colleges, 1999-2000.	\$20,937
Caminiti M, Reznick RK, Regehr G, Hamstra S, Brown M. Teaching technical skills in oral surgery: Evaluating the utility of basic dexterity training. Association of Canadian Medical Colleges, 1999-2000.	\$19,437
Cantin A, Leonard KJ. - Special Programme in Applied Research and Therapeutics for Cystic Fibrosis (SPARX for CF). CIHR Interdisciplinary Health Research Team 2000.	\$92,800

Research & Development Grants

Child R. Developing an adaptive version of the MCCQE Part I Clinical Reasoning Section: A feasibility study. Medical Council of Canada Research Fund for Research in Clinical Assessment Grant, 2000-2001.\$16,000

Child R. Computerized training and assessment using role plays: A feasibility study. One-Time-Only Grant. Social Sciences and Humanities Research Council of Canada, 2000.\$6,194

Child R. Understanding provincial and classroom assessments: Developing a unifying framework for Ontario teachers. Social Sciences and Humanities Research Council of Canada Small Scale General Research Grant, 2000.\$2,500

Dath D, MacRae HM, Friedlich M, Mamazza J, Schlachta C, Reznick R, Regehr G. Are advanced laparoscopic skills for senior residents learned in a short training course and transferred to operations? Association for Surgical Education Foundation, 1999-2000. (\$24,821 US Funds).\$36,568

Frank JR. (Chair, CAEP Residents Section). A proposal for the development of the first national EM residents workshop. Canadian Association for Emergency Physicians, 2000.\$20,000

Frank JR. A proposal for the development of two CAEP awards. Canadian Association for Emergency Physicians, 2000.\$5,000

Friedland J. Influence of William Morris on the development of Occupational Therapy. The British Council, 2000 (£400).\$918

Friedlich M, Shami F, Regehr G. Clerkship assessment of minor surgical skills. Medical Council of Canada, 2000-2001.\$20,000

Ginsburg S, Hatala R, Lingard L, Stern D, Regehr G. Evaluating professionalism through the examination of behaviours. Medical Council of Canada, 2000-2001.\$25,000

Guest CB, Houston P, Rothman AI. Reliability in high stakes oral examinations: The importance of examiners' practices. Royal College of Physicians and Surgeons of Canada / Department of Anaesthesia, University of Toronto, 1999-2000.\$5,000

Hamstra SJ, Anastakis DJ, Caminiti MF, Cusimano MD, Matsumoto ED. Specification of visual-spatial abilities relevant to surgical training. Physicians Services Incorporated Foundation, 2000-2001.\$24,000

Herold J, Hodges B, Regehr G, McNaughton N. The impact of instructions on candidate behaviour during an OSCE. National Board of Medical Examiners, 1999-2000. (\$24,659 US Funds).....\$37,936



Herold J, Hodges B, Regehr G, McNaughton N. The effect of candidate instructions on reliability of checklist and global rating scores on an OSCE. National Board of Medical Examiners, 1999-2000. (\$25,000 US)	\$38,000
Hodges B, Parikh A, McReelis K. Evaluation and feedback at five Ontario medical schools: What has been the impact of curriculum reform? Association of Canadian Medical Colleges, 1999-2000.....	\$5,135
Jones J, Catton P. The evaluation of a two-day interdisciplinary CE event in psychosocial oncology. University of Toronto, Faculty of Medicine Continuing Education Research and Development Award, 2000.....	\$5,075
Kohls J, Hutchison C, Hamstra S, Leadbetter W, Regehr G. The effectiveness of surgical skills education at improving the performance of junior orthopaedic surgery residents on a total knee arthroplasty. Association for Surgical Education, 1999-2000, (\$10,000 US Funds).....	\$15,453
Leonard KJ. Studying the need for a common assessment tool in the CCACs. Community Care Access Centre (CCAC), 2000.	\$12,000
Leonard KJ. Methods for evaluating the true effectiveness benefits from IT adoption (in co-operation with the CCAC Information Management Council). Community Care Access Centre (CCAC), 1999-2000.	\$105,000
Lieff S, Andrew M, Tiberius RG. What are the educational factors in geriatric psychiatric training that contribute to the practice of geriatric psychiatry by psychiatrists? A qualitative study. Association of Canadian Medical Colleges/Medical Research Council (ACMC/MRC) grant, 1999-2000.	\$8,487
Lingard L. Rosenfield J, Tallett S. Educating paediatric residents: A framework for cross-cultural communication. Paediatric Consultants, 1999-2001.	\$4,958
Lingard L. Understanding relevance in clinical communication: A cross-departmental study of definitions and applications by experts and novices. Medical Research Council/Association of Canadian Medical Colleges, 2000-2001.	\$14,320
Lingard L. (Co-principal Investigator) Creating the healthcare professional: The role of situated language practices in clinical education settings. Social Sciences and Humanities Research Council of Canada, 2000-2003 (3 yrs \$115,000).	\$38,333

Research & Development Grants

Lingard L. (Co-principal Investigator). Teaching pre-clerkship clinical skills in the private office setting: A prospective cohort study. The Hospital for Sick Children, Paediatric Consultants Research Grant, 2000.	\$4,900
Lingard L. (Co-investigator). Evaluating professionalism through the examination of behaviours". Medical Council of Canada, 2000.	\$20,000
Lingard L. (Co-investigator). Professionalism research project: Definitions and evaluations. The Gold Foundation for Humanism in Medicine, 2000. (\$10,000 US funds)	\$15,000
Lingard L. (Principal Investigator). Negotiating professional dilemmas: A rhetorical analysis of reasoning and rationalization. University of Michigan Medical School Research Endowment Fund, 2000.....	\$11,630
Manchul L. Determining the interprofessional continuing education needs of Canadian cancer care professionals. Associated Medical Services/Wilson Senior Fellowships.....	\$19,500
Morgan M, Bacchus M. Do web accessible evidence based medicine summaries improve internal medicine residents' clinical competence. Medical Council of Canada, 1999-2000.....	\$20,052
Naik VN, Matsumoto ED, Houston PL, Hamstra SJ, Yeung RY, Mallon JS, Martire TM. Fiberoptic orotracheal intubation on anesthetized patients: Does training on a simple model transfer into the operating room? Physicians Services Inc., 2000.....	\$8,609
Oandasan I. Determining the ways family physicians respond to community health issues - A pilot study. College of Family Physicians of Canada Research Grant, 2000.....	\$2,000
Oandasan I, Davis D, Shafir MS, Byrne N, Malik R, Stubbs B, Waters I. The development of competency tools to measure the family physician's ability to respond to the health needs of a community: A pilot study. Physicians Services Incorporated Foundation, 1999-2000.....	\$40,000
Oepkes D, Pittini R, MacRury K, Windrim R, Reznick R. Teaching invasive perinatal procedures: Assessment of a simulator-based curriculum. Physicians Services Incorporated Foundation, 2000.....	\$25,500

Rachlis A, Schreiber M, Tenenbaum J, Tan J. Evaluation of the preparedness of undergraduate medical students for the Phase 1 and Phase 2. Medicine Clerkship UME-CEC Evaluation Research fund, University of Toronto, Faculty of Medicine, 2000.	\$2,500
Renwick R, Friefeld S., Rosenfield J, Raphael D, Brown I. Quality of life for children with long-term disabilities: Instrument development and validation investigators: Hospital for Sick Children Foundation, 2000-2001.	\$84,934
Rosenfield J. (EFPO site coordinator). Development of communications skills teaching for faculty to clerks and residents. Canadian Cancer Society, 1998-2001. (20% at Toronto site)	\$200,000
Rosenfield J. Co-Chair of Provincial Task Force/Steering Committee. Government of Ontario Research on current definitions, standards of assessment, programming and teacher education as related to early identification of learning disabilities. 1999-2001 (2 yrs \$2,000,000)	\$1,000,000
Russell ML (PI), Nyhof-Young J, Abosh B, (Co-I). An analysis of an interprofessional learning environment. APMC 2000-01	\$10,000
Saranchuk R. Integrating program indicators and program effectiveness with program improvement. Canadian Memorial Chiropractic College, Toronto, ON	\$3,200
To T, Dick P, Parking P, Rosenfield J, Guttmann A. Health, social and environmental determinants for developmental attainment in young children in Canada. National Health Research and Development Program (NHRDP), 1999-2001 (2 yrs \$50,600)	\$25,300
Whiteside C, David D, Frecker R., Goel V, Wilson-Pauwels L, Reznick R. Health communication research laboratory in the faculty of medicine. Bell University Laboratories at the University of Toronto Lab Grant, 2000-2001	\$263,652
Wilson-Pauwels L, Woolridge N. Media-based health communication: Exploring the power of visual media to promote understanding. Bell University Laboratories at the University of Toronto Project Grant, 2000.	\$153,424

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Barden W, Clarke HM, Young NL, McKee N, Regehr G. (2000) Effectiveness of telehealth for teaching specialized hand-assessment techniques to physical therapists. *Academic Medicine*, 75 (10 Suppl):S43-S46.

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Catton P, Brierley J, Nyhof-Young J. (2000) The educational implications of a practice-based needs assessment to improve cancer staging. *Journal of Cancer Education* 15(3): 37 (#100)

Childs RA, Oppler SH. (2000) Implications of test dimensionality for unidimensional IRT scoring: An investigation of a high-stakes testing program. *Educational and Psychological Measurement*, 60, 939-955.

Colantonio A, Rudman D, Hébert D, Aiken F. (1999). An innovative course on the older adult. *Physical and Occupational Therapy in Geriatrics*, 17 (1) 1-15.

Charlebois M, Cormack L, David I, Leonard KJ, Pederson L, et al, (2000) Primary care physicians' communication preferences. *Canadian Family Physician*, October.

Childs RA, Dahlstrom WG, Kemp SM, Panter AT. (2000) Item response theory in personality assessment: A demonstration using the MMPI-2 Depression Scale. *Assessment*, 7, 37-54.

de Groot J, Tiberius R, Sinai J, Voore P, Brunet A, Leiff S. (2000) Psychiatric residency: An analysis of training activities with recommendations. *Academic Psychiatry*, Fall; 24(3):139-146.

Eva KW, Brooks LR. (2000) The under-weighting of implicitly generated diagnoses. *Academic Medicine*, 75(10):S81-S83.

Eva KW, Regehr GR, Rodenburg D, MacDonald R. (2000) Pedagogical considerations for improving the efficacy of computer assisted learning interventions. *Advances in Health Sciences Education*, December.

Eyde L D, Childs RA. (2000) Qualifications of assessment faculty in clinical psychology doctoral programs: An analysis of APA membership data. *Professional Psychology: Research and Practice*, 31, 165169.

Fincher R-ME, Simpson DE, Mennin SP, Rosenfeld GC, Rothman AI, McGrew MC, Hansen PA, Mazmanian PE, Turnbull JM. (2000) Scholarship in teaching: An imperative for the 21st Century. *Academic Medicine*, 75(9):887-894. Published also in AAMC, *Redefining Scholarship in Contemporary Academic Medicine: Essays on Scholarship Sponsored by the AAMC Council of Academic Societies*, October.

- Frank JR. (2000) First Canadian EM residents workshop: Overview. *Can. J. Emerg. Med.* 2(4):265.
- Frank JR. (2000) Success in leadership development? Methodology for the evaluation of the EFPO fellowship program in medical education 1989-99. Toronto: Associated Medical Services Inc.
- Frank JR. (2000) Societal needs working group. *CanMEDS 2000: Extract from the CanMEDS 2000 Project Societal Needs Working Group Report. Medical Teacher.* 22(6): 549-554.
- Friedland J, Rappolt S, Mullan L, Ballon A. (2000) A winning merger: when entry-level and continuing education courses get together. *Occupational Therapy International*, 7, 184-190.
- Friedman A, Jones JM, Nyhof-Young J, Catton P. (2000) Developing a volunteer-assisted program for computer-based education in a Cancer Hospital. *Journal of Cancer Education* 15(3): 39 (#108)
- Garfinkel PE, Goldbloom DS (CA). (2000) Setting the WHO agenda for mental health: A commentary. *Bulletin of the World Health Organization* 78: 503-505.
- Ghosh I, Oandasan IF, Byrne PN. (2000) Measuring community-oriented attitudes toward medical practice (COPC). *Family Practice*, Vol 17 (3) 99-187.
- Gilbart M, Hutchison C, Cusimano M, Regehr G. (2000) The effectiveness of a trauma simulator for teaching trauma management to senior medical students. *American Journal of Surgery*, 179(3):223-228.
- Ginsburg S. (2000) Context, conflict, and resolution: A new conceptual framework for evaluating professionalism". *Acad. Med.* Vol 75,10(suppl), S6-11.
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- Goldbloom DS (PA), LeBlanc B. (2000) Physician obligations under the new mental health act. *Ontario Medical Review* 67: 16-20.
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- Hanson M, Tiberius RG, Hodges B, Regehr G, MacKay S, Dickens, S. (2000) Adolescent standardized patients: An assessment of benefits and risks. Abstract published in *Proceedings of the 26th Annual Harvey Stancer Research Day*, Toronto, Ontario: Department of Psychiatry, University of Toronto, 8 Jun 15, Paper Number 45.
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Leonard KJ, Pink G, Johnson L, Schraa E. (2000) Better decision making through improved information and not technology. *International Journal of Healthcare Technology and Management*, forthcoming.

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Leonard KJ. (2000) Business case structure and IT procurement. Business and Health Administration 2000 Conference, BHAA Conference Proceedings, March.

Leonard KJ. (2000) The creation of the Ontario community services research and evaluation network (OCSREN): Mission and objectives. Long Term Care, November.

Leonard KJ. (2000) Computers in healthcare. The Informer, A Publication of the CCACIMS, November, forthcoming.

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McReelis KD, Cusimano MD. (2000) Needs assessment for neurosurgical residency education. Canadian Congress of Neurological Sciences. Ottawa. Canadian Journal of Neurological Science, 27 (S2): pp S31-S32.

Scholarly Publications

Maudsley RF, Wilson DR, Neufeld VR, Hennen BK, DeVillaeer MR, Wakefield J, MacFadyen J, Turnbull JM, Wayne W, Brown MG, Frank JR, Richardson D. (2000) Educating Future Physicians for Ontario: Phase II. *Acad. Med.* 75(2):113-126.

Morgan PJ, Cleave-Hogg D, Guest CB. (2000) Validity and reliability of undergraduate performance assessments in an anaesthesia simulator. *Canadian Journal of Anaesthesia.*

Murray E, Gruppen L, Catton P, Hayes R, Wolliscroft J. (2000) Accountability of medical education: definitions and assessment. *Medical Education* 34(10):871-879 October.

Nayer M. (2000) An introduction to standard setting in educational measurement. In American Physical Therapy Association (Ed.), *A Compendium of Conference Handouts* (Vol. 2, pp. 152-156). Alexandria, VA: American Physical Therapy Association.

Neville AJ, Reiter HI, Eva KW, Norman GR. (2000) Critical appraisal turkey shoot: Linking critical appraisal to clinical decision-making. *Academic Medicine*, 75(10):S87-S89.

Nyhof-Young J. (2000) The political is personal: Reflections on facilitating action research in gender issues in science education. *International Journal of Educational Action Research*, 8, (3): 471-498.

Nyhof-Young J. (2000) Education for the heart and mind: Feminist pedagogy and the religion and science curriculum. *Zygon: Journal of Religion and Science*, 35, (2): 441-452.

Nyhof-Young J, Macdonald R, Jones J, Friedman A, Catton P. (2000) Education for heart and mind? Formative evaluation of a computer-based patient education program. *Journal of Cancer Education* 15(3): 25 (#51).

Oandasan I, Ghosh I, Byrne PN, Shafir MS. (2000) Measuring Community-Oriented Attitudes towards Medical Practice *Family Practice*, 17 (3): 243-247.

Prideaux D, Alexander H, Bower A, Dacre J, Haist S, Jolly B, Norcini J, Roberts J, Rothman A, Rowe R, Tallett S. (2000) Clinical teaching: Maintaining an educational role for doctors in the new health care environment. *Medical Education*, 34(10):820-826.

Rappolt S. (2000) Informal educational communications among physicians: strategies for research transfer. Working Paper #90. Institute for Work & Health, Toronto.

Rauner M, Leonard KJ, Schaffhauser-Linzatti M, Green B. (2000) Does funding policy impact on day of the week admissions and separations of inpatients? An Austrian-Canadian Comparison. ORAHS Proceedings, Glasgow, Scotland, November.

Rogers D, Regehr G, Gelula M, Yeh KA, Howdieshell TR, Webb W. (2000) Peer teaching and computer-assisted learning: An effective combination for surgical skill training? *Journal of Surgical Research*. 92(1): 53-55.

Rogers D, Regehr G, Howdieshell T, Yeh K, Palm E. (2000) The impact of external feedback on computer-assisted learning for surgical technical skill training. *American Journal of Surgery*, 179, 341-343.

Rosser WW. (2000) Courtesy requires respect among clinicians. *Annals Royal College of Physicians and Surgeons of Canada*.

Rothman AI. (2000) Problem-based learning - time to move forward? *Medical Education*, 34(7):509-510.

Rothman AI, Cusimano M. (2000) Assessment of communication and interviewing skills and English proficiency in international medical graduates. *Academic Medicine*, December.

Saranchuk R. (2000) Alumni reflections on their undergraduate health-science program: The relationship of training and practice. *Journal of the Canadian Chiropractic Society*, 44(4), 230-254.

Silver IL. (2000) Reflections on the RCPSC maintenance of certification programme. *CPA Bulletin* 32 (2):53-54.

Slonim R, Hodges B. (2000) The use of the psychodynamic life narrative in crisis supervision. *American Journal of Psychotherapy*, 54 (1), 67-74.

Snell L, Tallett S, Haist S, Hays R, Norcini J, Prince K, Rothman A, Rowe R. (2000) Evaluation of clinical teaching: New perspectives and challenges. *Medical Education*, 34(10):862-870.

Sugar LM, Catton PC, Tallett SE, Rothman AI. (2000) Assessment of residents' professional attitudes and behaviours. *Annals RCPSC*, 33(5):305-309.

Szalay D, MacRae HM, Regehr G, Reznick R. (2000) Using operative outcome to assess technical skill. *American Journal of Surgery*, 180, 234-237.

Tiberius RG. (2000) PBL is coming! PBL is coming! *Handbook for New Practitioners*, forthcoming.

Tiberius RG, Tipping J. (2000) Conducting discussion classes. In J. Bess and Associates *Teaching Alone/Teaching Together: Transforming the Structure of Teams for Teaching*. San Francisco: Jossey-Bass.

Vohra S, Tallett SE, Hilliard RI. (2000) Career plans of pediatric residents - Annual Meeting Canadian Pediatric Society Paediatrics and Child Health, 5 (Supplement A): 31A.

Wilson D, Leonard KJ, Malott O. (2000) Measures of quality in long term care Facilities. *International Journal of Health Care Quality Assurance - leadership in health services*, October.

Zahn C. (2000) Women with epilepsy: Defining best practice. *Epilepsy Quarterly*, 8(1):11-12.

Scholarly Presentations

National and International Presentations

Bandiera G, Regehr G, Morrison L. (2000) Evaluating clinical clerks in emergency medicine: What are the data telling us? Annual meeting of the Canadian Association of Emergency Physicians, St. John, NB.

Barden W, Clarke HM, Young NL, McKee N, Regehr G. (2000) Effectiveness of Telehealth for teaching specialized hand-assessment techniques to physical therapists. Research in Medical Education Conference, Chicago, Illinois.

Byrne PN, Scarth F. (2000) Health professions education and child poverty and health . AMME, Beer Sheva, Israel.

Cass A, Rosenfield J, Herold J, Regehr G. (2000) Predictive validity of academic and non-academic admissions variables. Annual Meeting of the Association of American Medical Colleges, Boston, MA.

Catton P, Brierley J, Nyhof-Young J. (2000) The educational implications of a practice based needs assessment to improve cancer staging. American and European Association for Cancer Education, Washington, DC.

Catton P. (2000) Pre-Conference Workshop in Accreditation. Royal College of Physicians and Surgeons Education Meeting, Edmonton, Alberta.

Catton P, Sugar L, Tallett S, Rothman AI. (2000) A guide to performing an internal program evaluation for improvement. Annual Meeting of the Royal College of Physicians and Surgeons of Canada, Edmonton, Alberta and at the Association for Medical Education in Europe (AMEE), Beer Sheva, Israel.

Catton P. (2000) Resident assessment. University of Calgary Postgraduate Education Retreat. 20 registrants. Calgary, Alberta.

Catton P, Tallett S, Rothman A, Sugar L. (2000) A guide to internal program evaluation. Royal College of Physicians and Surgeons Annual Meeting, Edmonton, Alberta.

Catton P, Hutcheon M, Rothman AI. (2000) Big "R" remediation and resident in academic difficulty: The Program Director's Perspective. Annual Meeting of the Royal College of Physicians and Surgeons of Canada, Edmonton, Alberta.

Childs RA, Herold J. (2000) IRT modeling of the SAIP mathematics items. Annual Meeting of the Canadian Society for Studies in Education, Edmonton, Alberta.

Cleave-Hogg D, Morgan P, Guest C. (2000) Evaluation of medical students' performance in anaesthesia using a CAE Med-Link simulator system. Fourth International Computer Assisted Assessment Conference, Leicestershire.

Eva KW. (2000) The proof is in the Puddin': Reducing judgment bias by focusing attention on the evidence when a decision is required. Department of Psychology, University of Waterloo, Waterloo, Ontario.

Eva KW. (2000) Are all the taken men good? An indirect examination of mate-choice copying in humans. 6th Annual Psychology In-house Conference, McMaster University, Hamilton, Ontario.

Eva KW, Brooks LR. (2000) The under-weighting of implicitly generated diagnoses. AAMC Annual Meeting (RIME Sessions). Chicago, Illinois.

Frank JR. (2000) Making the most of a shift: Learning in the ED. 1st National EM Residents Workshop, in conjunction with the CAEP 2000 Annual meeting, St. John, N.B.

Friedman A, Jones J, Nyhof-Young J, Catton P. (2000) Developing a volunteer-assisted program for computer-based education in a cancer hospital. American Association for Cancer Education, Washington, DC.

Friedland J. (2000) Outlook for physical therapy and occupational therapy – a Canadian perspective. China Rehabilitation Research Centre, Beijing.

Friedland J. (2000) Post-traumatic stress following motor vehicle accidents: effects on function; Social Support and Stroke. Sino-Japanese Friendship Hospital, Beijing.

Friedlich M, MacRae H, Oandasan I, Tannenbaum D, Batty H, Reznick R, Regehr G. (2000) The assessment of minor surgical skills for family medicine residents. Theme session presentation, The Ottawa Conference in Medical Education, Capetown, South Africa.

Friedman A, Jones J, Nyhof-Young J, Catton P. (2000) Designing and implementing a computer-based cancer education program for patients and families. Poster Presentation at Charting the Course for Literacy and Health in the New Millennium, Ottawa, Ontario.

Friedman A, Nyhof-Young J, Jones J, Catton P. (2000) Designing a computer-based cancer patient education program. Workshop presentation at the 11th Annual Conference: The National Cancer Institute's Cancer Patient Education Network. University of Texas, MD Anderson Cancer Centre. Houston, Texas.

Friedman A, Nyhof-Young J, Jones J, Macdonald R, Catton P. (2000) Designing a computer-based cancer patient education program. Lecture at the 22nd Annual Conference on Patient Education. Albuquerque, New Mexico.

Friedman A, Jones J, Nyhof-Young J, Catton P. (2000) Developing a volunteer-assisted program for computer-based education in a cancer hospital. Presented at: American Association for Cancer Education, Washington, DC.

Friedman, A., Jones, J.M., Nyhof-Young, J., Catton, P. (2000) Developing a volunteer-assisted program for computer-based education in a cancer hospital. Poster presentation at AACE/EACE, Washington, DC.

Friedman A, Jones J, Nyhof-Young J, Catton P. (2000) Designing and implementing a computer-based cancer education program for patients and families. Poster Presentation at the Cancer, Culture and Literacy: Future Directions for Health Education & Promotion in the New Millennium, Clearwater Beach, Florida.

Gilbart MK, Cusimano MD, Hutchison CR, Regehr G. (2000) Learning trauma management skills: Effects of two learning models. Poster presented at the 9th International Ottawa Conference on Medical Education, Cape Town, South Africa.

Ginsburg S. (2000) Context, conflict, and resolution: A new conceptual framework for evaluating professionalism. Research in Medical Education Conference, Chicago, IL.

Scholarly Presentations

Ginsburg S. (2000) Student and faculty perceptions of what a selection committee values in its applicants. Poster presentation at Research in Medical Education Conference, Chicago, IL.

Ginsburg S, Schreiber M, Regehr G. (2000) Student and faculty perceptions of what a selection committee values in its applicants. Annual Meeting of the Association of American Medical Colleges, Boston, MA.

Gordon DB, Buckeridge D, Leonard KJ, Carter M. (2000) Health informatics education in Canada, AMIA Fall Symposium, Los Angeles, California.

Guest CB, Houston P, Rothman AI, Lam-McCulloch J. (2000) Individual grading practices: A source of threats to inter-rater reliability in standardized oral examinations. Royal College of Physicians and Surgeons of Canada annual meeting, Edmonton, Alberta.

Hanson M, Tiberius R, Hodges B, McKay S, McNaughton N, Dickens S, Regehr G. (2000) Adolescent standardized patients: An assessment of benefits and risks. Annual Meeting of the Association of American Medical Colleges, Boston, MA.

Haywood CT, Anastakis DJ, Mikulis D, Chen R, Manktelow RT. (2000) Exploring cortical plasticity following free functioning muscle transfer in the upper extremity: Using functional magnetic resonance imaging and transcranial magnetic stimulation. 5th International Muscle Symposium, Vienna, Austria.

Haywood CT, Anastakis DJ, Mikulis D, Chen R, Manktelow RT. (2000) Exploring cortical plasticity following free functioning muscle transfer using fMRI and TMS. Canadian Society of Plastic Surgeons Annual Meeting, Winnipeg, Manitoba.

Herold J, Hodges B, McNaughton N, Regehr G. (2000) The effect of candidate instructions on OSCE checklist and global scores. Annual Meeting of the Association of American Medical Colleges, Boston, MA.

Herold J, Regehr G, Hodges B, Russell L. (2000) Checklists and global ratings in OSCEs: What to do with the scores. Ninth Ottawa Conference on Medical Education, Johannesburg, South Africa.

Hodges B, McNaughton N, Hanson M, Tiberius R, Regehr G. (2000) The structure of interviews of novices and experts. Ninth Ottawa Conference on Medical Education, Johannesburg, South Africa.

Hodges B, McNaughton N, Regehr G, Tiberius R, Hanson M. (2000) New OSCE measures are needed to capture characteristics of expertise. The International Ottawa Conference on Medical Education, Cape Town, South Africa.

Hodges B, McNaughton N, Regehr G, Tiberius R, Hanson M, Waisman Z. (2000) Adapting OSCE measures to capture characteristics of expertise. Annual Meeting of the Association of American Medical Colleges, Boston, MA.

Hodges B, Herold J, McNaughton N, Regehr G. (2000) OSCE global ratings are sensitive to level of training. Association for Medical Education in Europe Annual Conference, Israel.

Jones J, Nyhof-Young J, Friedman A, Catton P. (2000) A pilot study investigating the use of computer-based education in a cancer hospital. Poster presentation at AACE/EACE, Washington, DC.

Jones J, Nyhof-Young J, Friedman A, Catton P. (2000) Computer-based education in a cancer hospital setting. Poster presentation at RIME, Chicago, IL.

Kane G, L Manchul, P Catton. (2000) Learning-in-Situ: Practice meets theory in a cancer centre. Poster presentation at the Association for Cancer Education annual meeting, Washington, DC.

Kenyon C, Manchul L. (2000) Applying rocket science to clinical teaching. Workshop Presentation at the Royal College of Physicians and Surgeons of Canada Residency Education annual meeting, Edmonton, Alberta.

Khaykin Y, Prakash S, Bacchus M. Randomized crossover study to evaluate access to on-line clinical practice guidelines as an educational tool. Annual Symposium of the American Medical Informatics Association, Los Angeles, California

Leonard KJ, Patry C. (2000) HISE (Healthcare Interactive Simulation Exercise) for Patients, AMIA Fall Symposium, Los Angeles, California.

Leonard KJ. (2000) Business case structure and IT procurement, Business and Health Administration Conference, Chicago, Illinois.

Leonard KJ. (2000) Managing data and information in healthcare, Manitoba Provincial Health Conference, Winnipeg, Manitoba.

Lingard L, Stern D, Coldicott C, Herold J, Cavanaugh S, Regehr G. (2000) Inter-professionalism in the health sciences: What are novices learning? Annual Meeting of the American Educational Research Association, New Orleans, LA.

Lingard L, Reznick R, DeVito I, Espin S, Regehr G. (2000) Talk and teaching in the operating room: An observational study of discourse patterns and novice socialization. Annual Meeting of the Association of American Medical Colleges, Boston, MA.

MacRury K. (2000) Medical students' approaches to answering clinical reasoning items. Canadian Educational Researchers' Association, Congress of the Social Sciences and Humanities 2000, University of Alberta.

Malik R, Oandasan I, Yang M. (2000) Adolescents' perceptions of the role of the family physician in health promotion. Trillium Primary Care Research Forum, McMaster University, Hamilton, Ontario.

Manchul L, Kane G, Catton P. (2000) Tumour conferences at a comprehensive cancer centre can provide objective learning needs. Podium presentation at the Association for Cancer Education annual meeting, Washington, DC.

Manchul L. (2000) Promoting interprofessional continuing education. Presented at the Society for Academic Continuing Medical Education Congress 2000, Los Angeles, CA.

McReelis KD, Cusimano MD. (2000) Needs assessment for neurosurgical residency education. Canadian Congress of Neurological Sciences, Annual Meeting, Ottawa, Ontario.

Nayer M. (2000) An Introduction to the Objective Structured Clinical Exam. A two-day workshop conducted at the Tennessee State University Department of Physical Therapy, Nashville, TN.

Nayer M. (2000) An introduction to the objective structured clinical exam. A one-day workshop conducted at Slippery Rock University, Department of Physical Therapy, Slippery Rock, PA; and also conducted at the Federation of State Boards of Physical Therapy Educational Session San Fransisco, CA.

Scholarly Presentations

Nayer M. (2000) An introduction to standard setting in educational measurement. A 90-minute Educational Session. Annual Conference and Exposition of the American Physical Therapy Association, Indianapolis, Indiana.

Nayer M. (2000) Graduates, work supervisors and faculty members: do their opinions agree? Annual Conference and Exposition of the American Physical Therapy Association, Indianapolis, Indiana.

Nayer M, Takahashi SG, Rothman, A. (2000) Exam gender bias in a national licensure examination. Annual Conference and Exposition of the American Physical Therapy Association, Indianapolis, Indiana.

Neville AJ, Reiter HI, Eva KW, Norman GR. (2000) Critical appraisal turkey shoot: linking critical appraisal to clinical decision-making. Paper presented at the 2000 AAMC Annual Meeting (RIME Sessions), Chicago, IL.

Nyhof-Young J, Jones J, Macdonald R, Friedman A, Catton P. (2000) Formative evaluation of a computer-based patient education program in oncology. Paper presentation at the 22nd Annual Conference on Patient Education, Albuquerque, New Mexico.

Nyhof-Young J, Macdonald R, Jones J, Friedman A, Catton P. (2000) Education for heart and mind? Formative evaluation of a computer-based patient education program. Paper presentation at AACE/EACE, Washington, DC.

Nyhof-Young J. (2000) Expanding our horizons: Science teachers do action research in gender issues in science education. Paper presentation at the Annual Meeting of the National Association for Research in Science Teaching, New Orleans.

Nyhof-Young J. (2000) The political is personal: Exploring gender issues in science education through action research. A roundtable paper presentation at the Annual Meeting of the American Educational Research Association, New Orleans.

Nyhof-Young J. (2000) Action research in gender issues in science education: Towards an understanding of group work with science teachers. A roundtable paper presentation at the Annual Meeting of the American Educational Research Association, New Orleans, April.

Oandasan I, Davis D, Shafir MS, Byrne N, Malik R, Stubbs B, Waters I. (2000) Developing competency assessment tools to measure the family physicians' ability to be community responsive – methodological issues. Trillium Primary Care Research Forum, McMaster University, Hamilton, Ontario.

Oandasan I, Davis D, Shafir MS, Byrne N, Malik R, Stubbs B, Waters I. (2000) Developing competency assessment tools to measure the family physicians' ability to be community responsive – A pilot study. North American Primary Care Research Group 28th Annual Meeting. Amelia Island, Florida (Poster).

Oandasan I, Davis D, Shafir MS, Byrne N, Malik R, Stubbs B, Waters I. (2000) Developing competency assessment tools to measure the family physicians ability to be community responsive – Preliminary findings. Poster Presentation at the College of Family Physicians of Canada's Forum 2000. Ottawa, Ontario

Oepkes D, Pittini R, MacRury K, Windrim R, Beyene J, Reznick R. (2000) Teaching invasive perinatal procedures: Assessment of a high fidelity simulator-based curriculum. 24th Annual Perinatal Investigators Meeting, Kingston, Ontario.

Poldre P, Russell ML, Taylor I, Rothman A. (2000) RIPLS across the ocean: A trans-atlantic comparison of students' readiness for Interprofessional Education. 9th Ottawa Conference, Capetown, SA.

Rappolt S. (2000) Informal educational communications among primary care physicians: strategies for providers of continuing education. Society for Academic Continuing Education at CME Congress 2000, A Continuing Education Summit, Universal City, California.

Reznick RK. (2000) Assessing performance in procedures: We need to do better. Council of Medical Specialty Societies, Chicago, Illinois.

Reznick RK. (2000) Using an assessment method to study innovation in surgical education. The Royal Australasian College of Surgeons Annual Scientific Congress, Melbourne, Australia.

Reznick RK. (2000) Curriculum planning: Competencies of a surgical specialist workshop. The Royal Australasian College of Surgeons, Melbourne, Australia.

Rosser W. (2000) Proposal to enhance the family medicine system. Invited Speaker, Liberal Caucus Meeting, Coburg, Ontario.

Rosser W. (2000) An evidence based approach to treating respiratory tract infections can reduce antibiotic prescribing. 5th Renaissance in Primary Care. Sea Courses Cruise.

Rosser W. (2000) Practical cancer screening. Canadian Cancer Society, Ottawa, Ontario.

Rosser W. (2000) Developing evidence based research in palliative care. Invited Speaker, Palliative Care Annual Conference: Journeys for a new age. Humber College, Toronto.

Rosser W. (2000) The development of family medicine research at the University of Toronto. Visiting Professor, Department of Family Medicine, University of Nijmegen.

Rosser W. (2000) The promise of evidence based medicine – traditional evidence based view vs the integrative view: What works? Invited Speaker, American Academy of Medical Colleges, CAS Spring Meeting, Savannah.

Rosser W. (2000) Developing education for family health in South America. Invited presentation. Pan American Health Organization, Washington, DC.

Rosser W. (2000) A gap too wide: Evidence based medicine and general practice. Family Medicine Conference, The Caribbean College of Family Physicians. General Practitioners Association of Trinidad and Tobago. Trinidad.

Rosser W. (2000) A gap too wide: The Sam and Elizabeth Nixon lectureship in family practice. The University of Texas, Houston.

Rosser W. (2000) A gap too wide: Transferring evidence into practice for the benefit of the population. NAPCRG 2000, 28th Annual Meeting, Amelia Island, Florida.

Rosser W. (2000) Enhancing primary health care in the capital health region. Capital Health Region Primary Care Study Group: A combined family practice and administration study of family practice in Victoria, BC.

Rosser W. (2000) International approaches to developing undergraduate and residency training programs for family practice. Famipar, Il Contro Paranaense de Sause da Familia, Curitiba, Brazil.

Scholarly Presentations

Rothman AI, Tallett S. (2000) Teaching the CanMEDs 2000 Roles. Keynote presentation, Annual Meeting of the Danish Society for Medical Education, Odense, Denmark.

Rothman A, Tallett S. (2000) Introducing a curriculum and evaluation of CanMeds skills. Association of Medical Education of Denmark, Copenhagen, Denmark.

Russell ML, Herold J, Regehr G, Hodges B, (2000) Checklists and global ratings in OSCE's: What to do with the Scores?. 9th Ottawa Conference, Capetown, SA.

Russell ML, Clapp J, Dirks F. (2000) Introduction of an ambulatory teaching program: Impact on clinical productivity. AAMC, Chicago, IL.

Russell ML, Abosh B. (2000) Interdisciplinary practice: What happens when Faculty teach (and learn) together? POD Conference, Vancouver, BC.

Silver I. (2000) Co-leader of workshop: The educational rationale of the maintenance of certification programme. Alliance for Continuing Medical Education, New Orleans, Louisiana.

Silver I. (2000) Co-Leader of workshop: The Prochaska model of change applied to Continuing Education Alliance For Continuing Medical Education, New Orleans, Louisiana.

Silver I. (2000) Maintenance of Certification Programme, University of Western Ontario, London, Ontario.

Silver I. (2000) Nuts and Bolts of The Maintenance of Certification Programme Manitoba Psychiatric Association, Winnipeg, Manitoba.

Silver I. (2000) A workshop: Increasing interactivity in your seminars and workshops. Department of Psychiatry, University of Manitoba, Winnipeg, Manitoba.

Silver I. (2000) Co-leader of workshop: How to utilize the Maintenance of Certification Programme. International Continuing Professional Development Conference (CPA), Puerto Vallarta, Mexico.

Silver I. (2000) Co-leader of workshop: Maintenance of Certification Programme. Canadian Psychiatric Association, Victoria, B.C.

Skye A, Norman GR, Brooks LR, Eva KW. (2000) Treatment decisions for medical disorders: Does the outcome depend on how patients are informed of their choices? Poster presented at the 2000 Annual Meeting of the Society for Medical Decision Making. Cincinnati, OH.

Skye AL, Norman GR, Brooks GR, Eva KW. (2000) Unpacking information in decision situations: A medical application. Poster presented at the 6th Annual Psychology In-house Conference, McMaster University, Hamilton, ON.

Sugar L, Catton P, Tallett S, Rothman AI. (2000) A guide to assessment of resident professional behaviours. Workshops presented at the 2000 Annual Meeting of the Association for Medical Education in Europe (AMEE), Beer Sheva, Israel.

Sugar L, Catton P, Tallett S, Rothman AI. (2000) A guide to assessment of resident professional behaviours. Workshops presented at the Annual Meeting of the Royal College of Physicians and Surgeons of Canada, Edmonton, Alberta.

Tabur S, Russell ML. (2000) The Toronto experiment: What do students know? 9th Ottawa Conference, Capetown, SA.

Tallett S, Rothman AI. (2000) Teaching the CanMEDs 2000 roles. Workshop for CHC Postgraduate Medical Institute, Copenhagen, Denmark.

Tiberius RG. (2000) University-wide address, “Three transformations: Approaches to the improvement of teaching and learning from 1945 to present”. The Learning Commons Showcase Lecture, University of Calgary.

Tiberius RG. (2000) Guest Speaker, “‘Expertise’ and ‘relationship’—important implications of changes in these concepts for teachers and for the improvement of teaching and learning”. Curriculum Fellows Meeting, University of Calgary.

Tiberius RG. (2000) Symposium Speaker and Panel Discussant and others, “Teaching alone/Teaching together: Transforming the structure of teams for teaching”. American Educational Research Association, New Orleans.

Tiberius RG. (2000) Co-planner and presenter, “Training session for educational consultants providing workshop feedback”. Annual meeting of the Association for Academic Psychiatry, Vancouver, B.C.

Tiberius RG. (2000) Co-planner and presenter, with Melissa Andrew, “Use of self-reflection to learn”. Annual meeting of the Association for Academic Psychiatry, Vancouver, B.C.

Tiberius RG. (2000) Co-planner and presenter, with Joanne Sinai, “How does your relationship with students influence the quality of their learning?” Annual meeting of the Association for Academic Psychiatry, Vancouver, B.C.

Tiberius RG. (2000) Consultant, “Independent Projects,” Consultant to new educational researchers toward improving their educational research skills. Annual meeting of the Association for Academic Psychiatry, Vancouver, B.C.

Tiberius RG. (2000) Major transformations in our approach to the improvement of teaching and learning: from 1945 to the present. Opening plenary lecture, 25th Annual Conference of the Professional and Organizational Development Network in Higher Education.

Tiberius RG. (2000) Lecture and question & answer period, “Changing concepts of expertise: implications for teaching and learning in medical education”. Department of Medical Education, Faculty of Medicine, University of Sydney, Sydney, Australia.

Thompson S, Ackermann U, Perumalla C. (2000) Student learning with EASE, An electronically assisted system of education. Symposium on Improving Student Learning Strategically, Manchester, UK.

Thompson S, Ackermann U, Perumalla C. (2000) EASE: An electronically assisted system of education. STHLE/SAPES conference on Higher Learning, Brock University, St. Catherines, Ontario.

Scholarly Presentations

Young NL, Barden W, Dick P, Leforte S, Njissen-Jordan C, Rogers G, Loewen S. (2000) Tele-HomeCare: How does the model apply across Canada? Presented at the Canadian Society of Telehealth Second Annual Meeting of the International Society for Telemedicine (IsfT) and the 5th International Conference on the Medical Aspects of Telemedicine. Montreal QC.

Young NL, Barden W, Dick P, Njissen-Jordan C, Leforte S, Rogers G, Loewen S. (2000) Tele-HomeCare: How does the model apply across Canada? Presented at the Canadian Society for Telehealth Congress "Health 2000", Montreal, Quebec.

van Barneveld C, Childs RA. (2000) IRT modeling of clinical knowledge multiple choice items. Paper presented at the annual meeting of the Canadian Society for Studies in Education, Edmonton, Alberta.

Vokey JR, Tangen JM, Eva KW. (2000) PCA network models of memory and perceptual processes: A matter of style. Paper presented at the 2000 joint meeting of the Canadian Society for Brain, Behaviour, and Cognitive Science & the Experimental Psychology Society. Kings College, Cambridge, England.

Yang M, Oandasan I, Malik R. (2000) Adolescents' perceptions of family physicians in health promotion. Poster presented at the Annual Canadian Paediatric Society Meeting. Ottawa, Ontario.

Zahn C. (2000) Course on Practice Parameter Development Course Faculty. American Academy of Neurology, 52nd Annual Meeting.

Local Presentations

Abosh B, Aiken F, Gorman E. (2000) Increasing awareness of interprofessional practice in health science students. Poster presented at the Ontario Medical Education Network, Toronto, Ontario.

Aiken F, Schleifer-Taylor J, Wagner S. (2000) Roles and communication among the health care professions: Student and clinician perspectives. Poster presented at the Ontario Medical Education Network, Toronto, Ontario.

Ali A, Harnett N. (2000) Exposing the reflective process in a radiation therapy undergraduate program. Poster presented at the Ontario Medical Education Network, Toronto, Ontario.

Anastakis D. (2000) Pre-meeting workshop on Research Methodology. Instructor. Association for Surgical Education, 20th Annual Meeting, Toronto, Ontario.

Anastakis D. (2000) Training across the professions...from competence to virtuosity. Panel Moderator. Association for Surgical Education, 20th Annual Meeting, Toronto, Ontario.

Anastakis D. (2000) Exploring cortical plasticity following free functioning muscle transfer using fMRI and TMS. Worker's Safety and Insurance Board, Hand Research Day, Toronto, Ontario.

Anastakis D. (2000) Service operations and Surgical Programs overview. York University, Schulich School of Business, Toronto, Ontario.

Andrew M, Lieff S, Feldman S, Cohen C, McIntyre J, Conn D, Gottesman S, Ungar T, Eryavec G. (2000) Taking the mountain to Mohammed: Adapting a small group teaching initiative for family physicians to existing study groups. Poster presented at the Ontario Medical Education Network, Toronto, Ontario.

Brierley J, Catton P, O'Sullivan B, Irish J, Sturgeon J, Panzarella T. (2000) The accuracy of recorded TNM stage in a tertiary cancer centre. Ontario Medical Education Network, Toronto, Ontario.

Byrne PN, Scarth F. (2000) Directions for health professions education. Poster presented at the Ontario Medical Education Network, Toronto, Ontario.

Caminiti M, Reznick R, Hamstra M, Brown M, Regehr G. (2000) Teaching technical skills in oral surgery: Evaluating the utility of basic dexterity training. Annual Meeting of the Association for Surgical Education and the Ontario Medical Education Network, Toronto, Ontario.

Carr MM. (2000) Improving the Otolaryngology consultation service in a teaching hospital. Poster presented at the Ontario Medical Education Network, Toronto, Ontario.

Catton P, Brierley J, Wiljer W, Nyhof-Young J. (2000) Self-directed multidisciplinary continuing education – hypermedia hype? Paper presentation at the Ontario Medical Education Network Research Symposium, Toronto, Ontario.

Catton P, Nyhof-Young J, Jones J, Friedman A. (2000) Computer-based patient education. Workshop presentation at from understanding to intervention: A multidisciplinary course in psychosocial oncology. Ontario Medical Education Network Research Symposium, Toronto, Ontario.

Catton P, Tallett S, Sugar L, Rothman A. (2000) A guide to performing an internal program evaluation for improvement. 69th Annual Meeting of The Royal College of Physicians and Surgeons of Canada. 6th Annual Conference on Residency Education. Toronto, Ontario.

Scholarly Presentations

Dath D, MacRae H, Reznick R, Regehr G. (2000) Randomized, blinded assessment of advanced laparoscopic skills training for senior surgical residents. Poster presented at the Ontario Medical Education Network, Toronto, Ontario.

de Groot J. (Co-presenter) (2000) The supervisor-resident relationship. Grand Rounds: Department of Psychiatry, St. Michael's Wellesley Hospital, Toronto, Ontario.

Elman D, Hooks R, Tabak D, Freeman R. (2000) Can we teach medical students to manage family violence? Poster presented at the Ontario Medical Education Network, Toronto, Ontario.

Espin S, Lingard L, Reznick R, DeVito I. (2000) 'Time' as a catalyst for communicative tension in nurse-surgeon discourse in the operating room. Poster presented at the Ontario Medical Education Network, Toronto, Ontario.

Eva KW, Brooks LR, Norman GR. (2000) Weighing diagnostic alternatives: A tricky proposition. Ontario Medical Education Network Research Symposium, Toronto, Ontario.

Frank JR, G Bandiera. (2000) Resident outcomes of scholarly activity (ROSA) Phase I. Presentation at the Ontario Medical Education Network Research Symposium, Toronto, Ontario.

Frank JR, Bandiera G. (2000) Measures of the effectiveness of resident research curricula: A Review of the Published Literature. Poster presented at the Ontario Medical Education Network, Toronto, Ontario.

Friedman A, Jones J, Nyhof-Young J, Catton P. (2000) Designing and implementing a computer-based education program for patients and families. Poster presentation at the Ontario Medical Education Network Research Symposium, Toronto, Ontario.

Friedman A, Jones J, Nyhof-Young J, Catton P. (2000) Developing a volunteer-assisted program for computer-based education in a cancer hospital. Poster presentation at the Ontario Medical Education Network Research Symposium, Toronto, Ontario.

Gilbart M, Cusimano C, Regehr G. (2000) Evaluating surgical resident selection procedures. Annual Meeting of the Association for Surgical Education, Toronto, Ontario.

Ginsburg S. (2000) Student and faculty perceptions of what a selection committee values in its applicants. Poster presentation at Ontario Medical Education Network Research Symposium, Toronto, Ontario.

Girard-Pearlman J, MacRury K. (2000) The ambulatory community experience in the senior clerkship: Applying a common core curriculum across a range of patient care settings. Ontario Medical Education Network Research Symposium, Toronto, Ontario.

Hamstra SJ, Hutchison CR, Leadbetter W. (2000) Preliminary evaluation of a surgical skills training facility. Poster presented at the Ontario Medical Education Network, Toronto, Ontario.

Harnett N, Catton P. (2000) Developing a degree in radiation science – A lesson in Canadian Diplomacy. Ontario Medical Education Network Research Symposium, Toronto, Ontario.

Harvey B, Rothman AI, Woodhouse RA, Frecker RC. (2000) Effect of an undergraduate medical curriculum on students' self-directed learning. Ontario Medical Education Network Research Symposium, Toronto, Ontario.

Herold J, Hodges B, McNaughton N, Regehr G. (2000) Effect of candidate instructions on OSCE checklist and global scores. Ontario Medical Education Network Research Symposium, Toronto, Ontario.

Herold J, Regehr G, Hodges B, and Russell, L. (2000) Checklists and global ratings in OSCE's: What to do with the scores? Poster presented at the Ontario Medical Education Network, Toronto, Ontario.

Hilliard RI. (2000) The ethical use of teenagers as standardized patients (SPs) in an OSCE. Poster presented at the Ontario Medical Education Network, Toronto, Ontario.

Ho B, Friedland J. (2000) Chinese female caregivers of relatives with Alzheimer's disease. Tri-Joint Conference, Canadian Association of Occupational Therapists, Toronto.

Hodges B, McNaughton N, Regehr G, Tiberius R, Hanson M, Waisman Z. (2000) Adapting OSCE measures to capture characteristics of expertise. Ontario Medical Education Network Research Symposium, Toronto, Ontario.

Hodges B, Herold J, McNaughton N, Regehr G. (2000) OSCE global ratings are sensitive to level training. Ontario Medical Education Network Research Symposium, Toronto, Ontario.

Johnson I, Byrne P, McRobb B, Rosenfield J, Froggatt G. (2000) Formal vs informal teaching of professional behavior. Ontario Medical Education Network Research Symposium, Toronto, Ontario.

Johnson IL, Byrne PN, McRobb B, Upshur R. (2000) Integration of community health teaching over the four years of the undergraduate curriculum. Poster presented at the Ontario Medical Education Network, Toronto, Ontario.

Johnson CJ, Wagner SJ, Woodhouse RA. (2000) Enhancing student learning with an integrated research-to-practice curriculum. Poster presented at the Ontario Medical Education Network, Toronto, Ontario.

Jones JM, James J, Rodin G, Catton P. (2000) A learning needs assessment of health professionals in psychosocial oncology. Poster presented at the Ontario Medical Education Network, Toronto, Ontario.

Jones JM, Nyhof-Young J, Friedman A, Catton P. (2000) A Pilot Study Investigating the Use of computer-based education in a cancer hospital. Poster presented at the Ontario Medical Education Network, Toronto, Ontario.

Kane G, Manchul L, Catton P. (2000) Assuring quality learning at quality assurance rounds. Poster presentation at the Ontario Medical Education Network Research Symposium, Toronto, Ontario.

Kane GM. (2000) Exploring the swampy lowlands of radiation oncology practice. Poster presented at the Ontario Medical Education Network, Toronto, Ontario.

Katz S, Mehta S, Lingard L, Tallett S. (2000) Does resident participation improve the selection process for the paediatric residency program. Ontario Medical Education Network Research Symposium, Toronto, Ontario.

Kohls-Gatzoulis J, Hutchison C, Regehr G. (2000) Teaching judgment increases surgical learning in a surgical skills course on total knee arthroplasty. Annual Meeting of the Association for Surgical Education, Toronto, Ontario.

Lax L, Scardamalia M, Taylor I. (2000) Visualizing knowledge building and problem solving online in biomedical communications. Ontario Medical Education Network, Toronto, Ontario.

Scholarly Presentations

Leonard KJ, Smith T. (2000) A faculty perspective of the adoption of distance education technology in a master of health administration (MHSc) curriculum: Barriers and enablers, IT forum (Information Technology and the University Professor), University of Toronto, Toronto, Ontario.

Leonard KJ. (2000) Integrating health across the continuum: Data and information management. CIHI Partnership Conference, Toronto, Ontario.

Leonard KJ. (2000) CCAC Waterloo: The CHIN project. Annual Conference for the Ontario Association of Community Care Access Centers, Toronto, Ontario.

Leonard KJ. (2000) Does IT help you manage information?, Navigating the seas of change, sponsored by Medtronics Inc., Toronto, Ontario.

Leonard KJ. (2000) Ontario community services research and evaluation network (OCSREN): Where do we go from here?. OCSREN Symposium, Toronto, Ontario.

Leonard KJ. (2000) Information technology and integrated delivery systems. CCAC Executive Director Retreat, Toronto, Ontario.

Leonard KJ. (1999) Communication in the CHINs (Community Health Information Networks) of the future. Long Term Care Conference, Metro Toronto Convention Centre.

Leonard KJ. (1999) Measuring the value of the information in your data. Medical/Scientific Advisory Committee of the Canadian Cystic Fibrosis Foundation, Toronto, Ontario.

Lingard L, Reznick R, Espin S, DeVito I, Regehr G. (2000) Team communications in the operating room: Talk pattern, sites of tension and implications for novices. Annual Meeting of the Association for Surgical Education, and also at the Ontario Medical Education Network Research Symposium, Toronto, Ontario.

Lingard L. (2000) Team communication in the operating room: Can it be studied? Closing address: 3rd Annual University Avenue Peri-Operative Nurses Day. Toronto, Ontario.

Lingard L. (2000) The role of inter-professional talk in novice socialization in medicine. Rheumatology Division Rounds, Hospital for Sick Children, Toronto, Ontario.

Lingard L. (2000) Communications: How is it learned and how can you shape it? Faculty of Medicine Teaching Residents to Teach Program, Toronto, Ontario.

Lingard L. (2000) Research in medical communication: Orientations, questions, implications. Workshop presented at the Ontario Medical Education Network Research Meeting, Toronto, Ontario.

Lingard L. (2000) The role of inter-professional talk in novice socialization in medicine. Adolescent Medicine Division Rounds, Hospital for Sick Children, Toronto, Ontario.

MacRury K, Gare D, Froggatt G. (2000) Students' approaches to answering case-based key features questions. Poster presented at the Ontario Medical Education Network Research Symposium, Toronto, Ontario.

Manchul L. (2000) Promoting interprofessional continuing education in the health professions. University of Toronto, Faculty of Medicine Faculty Development session for Directors of Continuing Education. McLean House, Toronto, Ontario.

Manchul L, Kane G. (2000) Determining objective learning needs during tumour conferences at a comprehensive Cancer Centre. Oral presentation at the Ontario Medical Education Network Research Symposium, Toronto, Ontario.

Manchul L, Chapman W, Colgan T. (2000) Strategies to promote interprofessional continuing education in cancer care: Lessons from a course on cervix cancer prevention. Oral presentation at the Ontario Medical Education Network Research Symposium, Toronto, Ontario.

Matsumoto E, Radomski S, Cusimano M, Hamstra S. (2000) Is a high-fidelity bench model necessary for learning surgical skills? A Randomized Prospective Study. Association for Surgical Education, 20th Annual Meeting, Toronto, Ontario.

McKee P, Phillips A, Macdonald R. (2000) Online survey of biomechanics education in University occupational therapy programs in Canada and the United States. Toronto, Ontario.

McReelis K, Parikh A, Hodges B. (2000) Feedback and evaluation across five Ontario schools: What has been the impact of curriculum reform 1992-1999? Ontario Medical Education Network Research Symposium, Toronto, Ontario.

Meier HMR. (2000) Challenges in cross-cultural therapeutic communication. Medical Education Research Rounds, Toronto, Ontario.

Meier HMR. (2000) The continuum of professional development. Ontario Medical Education Network Research Symposium, Toronto, Ontario.

Morgan PJ, Cleave-Hogg D, Guest CB. (2000) Simulation-based performance assessments: inter-rater reliability. Ontario Medical Education Network Research Symposium, Toronto, Ontario.

Nayer M, Takahashi SG, Rothman A. (2000) Exam gender bias in a national licensure examination. Tri-Joint Congress 2000: Forging Ahead Together (Joint PT, OT and Speech and Language Pathologist Conference), and also presented at the Ontario Medical Education Network Research Symposium, Toronto, Ontario.

Nayer M. (2000) Lifelong learning and outcome measures: Is there evidence? Tri-Joint Congress 2000: Forging Ahead Together (Joint PT, OT and Speech and Language Pathologist Conference), Toronto, Ontario.

Nyhof-Young, J. (2000) Spirituality in medicine. Moderator and organizer of a panel discussion for a 'Wider Rationality': Science, religion and ethical directions. Conference held at Emmanuel College at Victoria University, The University of Toronto, Ontario.

Nyhof-Young J, Macdonald R, Jones J, Friedman A, Catton P. (2000) Education for heart and mind? Formative evaluation of a computer-based patient education program. Ontario Medical Education Network Research Symposium, Toronto, Ontario.

Nyhof-Young J, Avery J. (2000) Short-term groups for women with breast cancer: How effective are they? Ontario Medical Education Network Research Symposium, Toronto, Ontario.

Scholarly Presentations

Nyhof-Young J, Jones J, Friedman A, Wiljer D, Catton P. (2000) Designing and implementing an interactive, computer-based patient education program. A presentation at Teaching, Learning and Research in Today's University: Information Technology and the University Professor, Toronto, Ontario.

Parikh A, McReelis K, Hodges B. (2000) Student feedback in PBL: A survey of 103 final year medical students across 5 Ontario schools. Ontario Medical Education Network Research Symposium, Toronto, Ontario.

Parker K, Parikh S. (2000) Applying Prochaska's stages of the evaluation of CME: How to assess "readiness to change" in your learners. Centre for Addiction and Mental Health, Toronto, Ontario

Pittini R, Oepkes D, MacRury K, Reznick R, Beyene J, Windrim R. (2000) Teaching invasive perinatal procedures: Assessment of a high fidelity simulator-based curriculum. Association of Professors of Obstetrics and Gynaecology, Toronto, Ontario.

Poldre P, Russell L, Taylor I, Rothman AI, Parsell G. (2000) RIPLS across the ocean: A trans-atlantic comparison of students' readiness for inter-professional education. Ontario Medical Education Network Research Symposium, Toronto, Ontario.

Poldre PA. (2000) The health professions stereotype "Icreebreaker". Ontario Medical Education Network Research Symposium, Toronto, Ontario.

Rachlis A, Murnaghan J, Rothman AI, Byrne N, Wilson D. (2000) Evaluation of a "teaching residents to teach" program. Ontario Medical Education Network Research Symposium, Toronto, Ontario.

Rappolt S, Friedland J, Mullan L, Ballon A. (2000) A winning merger: CE and entry-level professional education. Ontario Medical Education Network Research Symposium, Toronto, Ontario.

Rappolt S, Tassone M. Learning and implementing change in rehabilitation therapies: New strategies for new practice contexts.

Rappolt S. (2000) Informal educational communications among physicians: Strategies for continuing education. Ontario Medical Education Network Research Symposium, Toronto, Ontario.

Robb A. (2000) Evaluation of teaching in postgraduate medical training – A complicated task ("we're not selling shoes for goodness sake"). Ontario Medical Education Network Research Symposium, Toronto, Ontario.

Reznick RK. (2000) A rationale for teaching in a skills lab. Society of University Surgeons Annual Meeting, Toronto, Ontario.

Reznick RK. (2000) I am a good teacher, maybe even a really good teacher, ... is that OK? Presidential address to the Association for Surgical Education Annual Meeting, Toronto, Ontario.

Rosenfield J, Lingard L, Tallett S. (2000) Cross-cultural communication: A qualitative analysis of paediatric residents' attitudes and approaches. Ontario Medical Education Network Research Symposium, Toronto, Ontario.

Rosser W. (2000) Winning collaboration. First National Conference on shared mental health care: An approach to mental health care that makes sense. The Old Mill, Toronto, Ontario.

Russell ML, principal organizer. (2000) Feedback: A different perspective. New Faculty Workshop, Faculty of Medicine, University of Toronto.

Russell ML. (2000) Teaching Dossiers. Department of Ophthalmology presentation, Faculty of Medicine, University of Toronto.

Russell ML, principal organizer, (2000) Small group teaching. New faculty workshop, Faculty of Medicine, University of Toronto.

Russell ML. (2000) Adding spice to PBL. Brain and Behavior workshop, Faculty of Medicine, University of Toronto.

Russell ML. (2000) Tutor training workshop, Department of Occupational Therapy, Faculty of Medicine, University of Toronto.

Russell ML, principal organizer, (2000) New faculty orientation, Faculty of Medicine, University of Toronto.

Russell ML, Leslie K. (2000) Teaching dossiers, new faculty seminar series, Faculty of Medicine, University of Toronto.

Russell ML. (2000) Current trends in teaching and learning, Department of Speech Language Pathology, Faculty of Medicine, University of Toronto.

Saranchuk R. (2000) Outcomes from the evaluation of an undergraduate health care program. Professional Health Educator Group, Princess Margaret Hospital, Toronto, Ontario.

Segal A, Sibbald RG, Krasner DL, Williamson D. (2000) Longitudinal Interdisciplinary Course Model to Promote Change in Clinical Practice. Ontario Medical Education Network Research Symposium, Toronto, Ontario.

Schreiber M, Tan J, Rachlis A. (2000) Preparedness of students for the internal medicine clerkship. Oral presentation at the Ontario Medical Education Network Research Symposium, Toronto, Ontario.

Schreiber M. (2000) Using Critical incidents to evaluate students' competence in fluid-electrolyte and acid-base disorders. Ontario Medical Education Network Research Symposium, Toronto, Ontario.

Shafir MS, Tannenbaum D. (2000) Involving residents in evidence-based care. 25th Annual Teaching Practices Spring Workshop, Department of Family and Community Medicine, University of Toronto.

Shafir MS. (2000) How to teach procedures: strategies to make it painless. Annual Undergraduate Education Faculty Development Workshop – Meeting the Challenges of Undergraduate Education in the New Millennium; Toronto.

Sibbald RG, Rothman AI. (2000) DOM program to improve the educational quality of rounds utilizing the maintenance of certification program. Ontario Medical Education Network Research Symposium, Toronto, Ontario.

Silver I. (2000) Making your teaching sessions more interactive division of endocrinology, Department of Medicine, Faculty of Medicine, University of Toronto.

Scholarly Presentations

Silver I. (2000) Co-Leader of workshop: Making your workshops and seminars more interactive. Department of Obstetrics and Gynecology, Faculty of Medicine, University of Toronto.

Silver I. (2000) Co-leader of workshop: Enhancing interactivity in large group teaching. Faculty of Medicine, University of Toronto. (not delivered because of illness).

Silver I. (2000) Co-leader of workshop: Enhancing interactivity in large group teaching. OMEN conference, Toronto, Ontario. (not delivered because of illness)

Silver I. (2000) Maintenance of certification programme grand rounds. Baycrest Centre for Geriatric Care, Toronto, Ontario.

Sinclair LB. (2000) Physical therapy continuing professional education: An environmental scan and needs assessment. Ontario Medical Education Network Research Symposium, Toronto, Ontario.

Sugar L, Catton P, Tallett S, Rothman A. (2000) A guide to assessment of resident professional behaviors. 69th Annual Meeting of the Royal College of Physicians & Surgeons of Canada, 7th Annual Conference on Residency Education, Toronto, Ontario.

Tabur S, Russell ML. (2000) The Toronto experiment: What do students know? The University of Toronto Information Technology Forum.

Tallett S. (2000) Workshop: Maintenance of Certification. Society of Medical Oncologists Annual Meeting, Toronto, Ontario.

Tallett S. (2000) Consent and capacity. Two workshops for Bioethics Conference, The Hospital for Sick Children.

Tallett S, Vohra S, Tallett SE, Hilliard R. (2000) Canadian paediatric resident career plans: a national survey. Canadian Paediatric Society Beyond 2000 Annual Meeting. Toronto, Ontario.

Tenenbaum J, Tenenbaum A, Rachlis A, Rothman A. (2000) Preparedness by Canadian medical schools for postgraduate Yr 1 (PGY-1) in Internal Medicine. Oral presentation – Ontario Medical Education Network (OMEN) Research Symposium, Toronto, Ontario.

Thompson S, Ackermann U, Perumalla C. (2000) EASE: An electronically assisted system of education. IT Forum at the University of Toronto, Toronto, Ontario.

Tiberius RG. (2000) A project to develop an educational development facility at the University of Toronto. Design Team Member, Excellence in Teaching and Learning Initiative, Toronto, Ontario.

Tiberius RG. (2000) Planner and presenter, “small group teaching,” Teaching Skills for Psychiatry Residents, Department of Psychiatry, University of Toronto, Toronto, Ontario.

Tiberius RG. (2000) Planner and presenter, “How to conduct workshops and seminars that actively engage learners.” Ontario Medical Education Network Research Symposium, Toronto, Ontario.

Tiberius RG. (2000) Co-planner and presenter, with S. Fleming, J. DeGroot, M. Katz, J. Silveira, “Teaching Workshop,” UHN Department of Psychiatry residents, fellows and staff, Department of Psychiatry, Faculty of Medicine, University of Toronto.

Tucker B. (2000) Importance of resident to clerkship experience. Resident as teacher day programme, Toronto, Ontario.

Tucker B. (2000) New faculty day, University of Toronto, Department of Surgery. Undergraduate Education - Administrative Structure: Department/Academy, Ontario Club, Toronto, Ontario.

Ungar TE, Regehr G. (2000) Access: A national continuing education program of education and consultation in psychiatry. Ontario Medical Education Network Research Symposium, Toronto, Ontario.

Vohra S, Tallett SE, Hilliard R. Canadian paediatric resident career plans: a national survey. Ontario Medical Education Network Research Symposium, Toronto, Ontario.

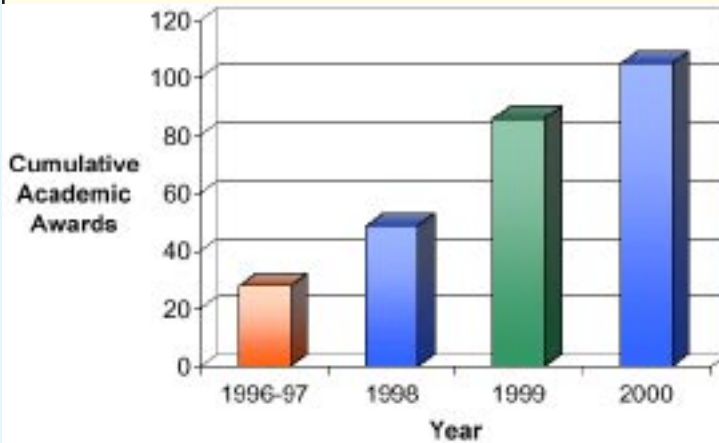
Waisman Z, Hodges B, Maggie J, Tiberius R. (2000) Residents' comfort and attitudes about medical student teaching. Ontario Medical Education Network Research Symposium, Toronto, Ontario.

Watson WJ, Byrne PN, Tannenbaum DW, Lyon K. (2000) Are family medicine graduates prepared for medical practice? Results of the staying in touch survey.

Windrim R, Rittenberg D, Allen VM, Salenieks ME, Pittini R, Byrne N. (2000) Educational benefits of OSCE development by the learner. Ontario Medical Education Network Research Symposium, Toronto, Ontario.

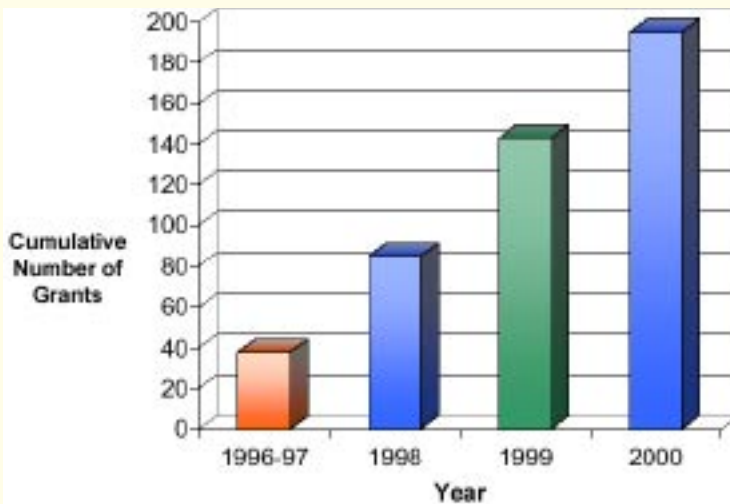
Woodhouse RA, Addison M. (2000) Collaborative problem-solving as a tool for clinical supervision. Ontario Medical Education Network Research Symposium, Toronto, Ontario.

Summary of Research



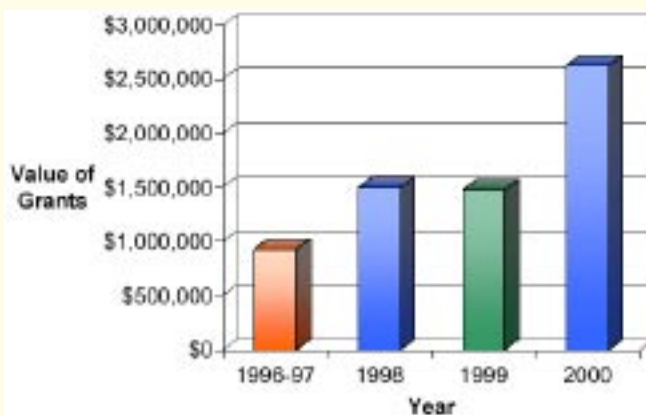
Academic Awards

In 2000 members of the CRE received 19 academic awards bringing the total to 106 since its inception.



Number of Grants

In 2000 CRE members were awarded 52 research grants resulting in a total of 195 since its inception.

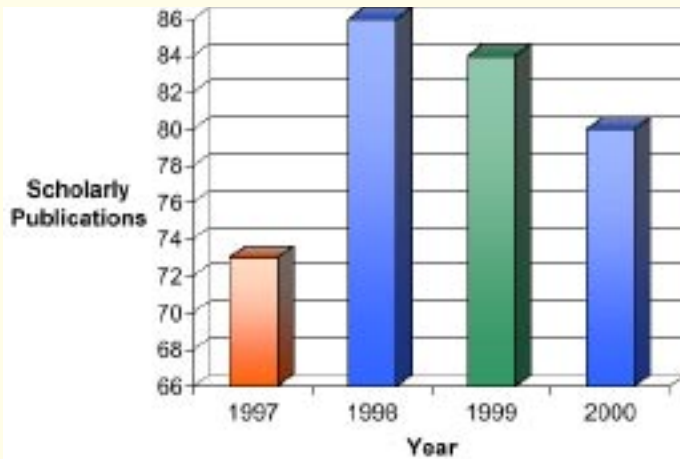


Value of Grants

The total dollar value of grants awarded to CRE members in 2000 was \$2,665,529.

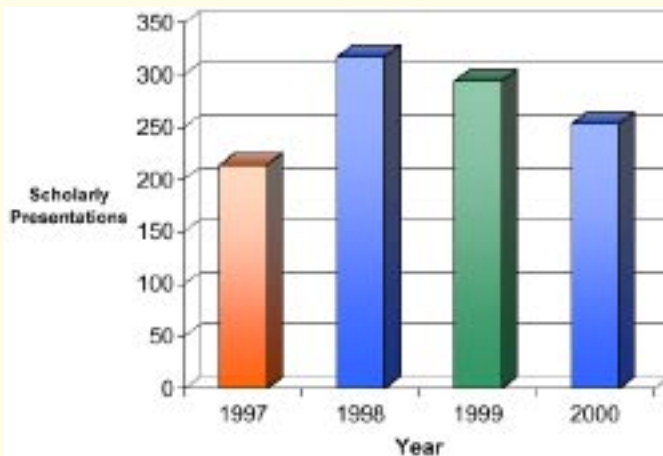


Scholarly Publications



CRE members published 80 peer reviewed papers in 2000.

Scholarly Presentations



In 2000 CRE members presented 253 times at local and international meetings.

Visiting Professors

In 2000 the following faculty spent time at the Centre:



Dr. Jonathan Beard, Department of Surgery,
Sheffield Vascular Institute, Sheffield.



Dr. Sharon Cleland, Executive Officer at the
Northern Clinical School, University of Sydney.



Prof. Margaret Hoffman, Public Health Dept at
the University of Cape Town, South Africa.



Dr. Kyoji Ogoshi, Department of Surgery,
Toaki University, Japan.



**Drs. Seyyed Mohammad Djavah Parizadeh and
Fathollah Roshan Zamir**, Education Development
Center, Mashad University of Medical Sciences,
Iran.



Dr. Richard Ratelle, Department of Surgery,
University of Montreal.



Dr. Nigel Standfield, Division of Surgery from the
Imperial College of Medicine, London, UK .



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