

## Curriculum Vitae

**Jocelyn Lockyer PhD**

**Professor Emerita and Adjunct Professor, Department of Community Health Sciences  
Cumming School of Medicine, University of Calgary**

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### Career Highlights

- Current position: Emerita Professor and Adjunct Professor, Department of Community Health Sciences, Cumming School of Medicine
- Other leadership positions: Association Dean, Continuing Medical Education and Professional Development (2006-2012); Senior Association Dean, Education (2012-2017)
- Over 190 peer review publications
- Google scholar statistics: 7623 citations; h-index: 46; i-10 index: 109
- Masters/PhD courses taught: Curriculum design and evaluation; instructional methods; qualitative health research methods.
- Research foci: short course evaluation and impact; short course interventions; evaluation of educational interventions; commitment to change; multisource feedback; designing impactful feedback; R2C2 (build relationship; explore reactions; confirm content; and coach for commitment to change) model.
- Significant consultations and collaborations: College of Physicians and Surgeons of Alberta; Alberta Medical Association; College of Family Physicians of Canada; Royal College of Physicians and Surgeons of Canada; Medical Council of Canada; National Board of Medical Examiners.
- Significant Awards: Robert Wood Johnson Award (1976); Medical Council of Canada Outstanding Achievement Award in the Evaluation of Clinical Competence (2004); CAME -Ian Hart Award for Distinguished Contribution to Medical Education (2009); Alberta Medical Association Medal of honor (2016); Fellow of the Society for Academic Continuing Medical Education (2017); Honorary Degree, Royal College of Physicians and Surgeons of Canada (2017)

## I BIOGRAPHICAL DATA

**Name:** Jocelyn M Lockyer

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**Telephone:** (403) 569 - 1563 (H); (403) 630 – 2101 (C)

**e-mail:** [lockyer@ucalgary.ca](mailto:lockyer@ucalgary.ca)

**Present Rank:** Professor Emerita &  
Adjunct Professor  
Department of Community Health Sciences  
Faculty of Medicine  
The University of Calgary

## II ACADEMIC RECORD

PhD, Faculty of Education, University of Calgary. 2002

Dissertation: Role of Socio Demographic Variables and Continuing Medical Education in Explaining Multi Source Feedback Ratings and Use of Feedback by Physicians.

Master of Health Administration, University of Ottawa. 1975

Major Project: Congestive Heart Failure: A Study for the Reasons for Readmission to a General Acute Hospital During a Three Year Period

Bachelor of Arts (Economics), University of Waterloo, 1973

## III AWARDS

1. Robert Wood Johnson Award. The University of Ottawa. An award for the Master of Health Administration student judged by the faculty as most likely to make a noteworthy contribution to the advancement of health care. 1976.
2. Alliance for Continuing Medical Education, President's Award. An award in recognition of significant contributions to the programs, services and functions of the Alliance for Continuing Medical Education. 1993.
3. Society of Medical College Directors of Continuing Medical Education. Special Research Award for Outstanding Contributions to Research in CME, 1995.
4. Alliance for Continuing Medical Education, Certificate of Appreciation. In recognition of sound and efficient advice and counsel, and in gratitude for your contribution of time, effort and ability to the welfare of the profession as a member of the Board of Directors, 1990 - 1996.
5. Alliance for Continuing Medical Education, President's Award. In recognition of your creative leadership as Co-Chair of the newly established Educational Institutes, 1996.

6. Decker Prize for original research published in the Journal of Continuing Education in the Health Professions in 1997.
7. Alliance for Continuing Medical Education, President's Award, In recognition of exemplary service in the field of continuing medical education as the Alliance's representative and as Chair of the Journal of Continuing Education in the Health Professions Administrative Board. 2002.
8. Medical Council of Canada Outstanding Achievement Award in the Evaluation of Clinical Competence for 2004. Received for work developing and testing instruments for the College of Physicians and Surgeons of Alberta, Physician Achievement Review Program along with C Violato, J Toews, H Fidler, R Lewkonja, J Swiniarski and B Ward. 2004.
9. University of Calgary Medical Science Graduate Students Association Golden Apple Award for Teaching Excellence. 2004.
10. University of Calgary Faculty of Medicine's McLeod Distinguished Achievement Award. Awarded in 2005.
11. Journal of Continuing Education in the Health Professions 2005 Award for Excellence in Research for study 'Assessing Outcomes Through Congruence of Course Objectives and Reflective Work' by J Lockyer, H Fidler, D Hogan, L Pereles, B Wright, C Lebeuf and C Gerritsen, Journal of Continuing Education in the Health Professions 2005, 25(2): 76-86.
12. Short list for 2007 Journal of Continuing Education in the Health Professions Award for Excellence in Research for two of the three papers nominated for award. These were: Mansouri M and Lockyer J, A meta-analysis of continuing medical education, JCEHP 2007; 27(1):6-15 and Lockyer J, Hofmeister M, Crutcher R, Klein D, Fidler H, JCEHP 2007; 27(3):157-163. Award given to G Kane for "Step-by-Step: A model for practice-based learning (JCEHP 2007; 27(4):220 – 226.
13. Fox Award 2008 for the best research paper and presentation at the Society for Academic Continuing Medical Education Spring Meeting (and CME Congress) for the research paper entitled "Multi-Source Feedback: A Retrospective Analysis of the College of Physicians and Surgeons of Alberta – Physician Achievement Review Instruments (J Lockyer, C Violato, and H Fidler).
14. Award of Meritorious Service, College of Physicians and Surgeons of Alberta, 2008
15. CAME—Ian Hart Award for Distinguished Contribution to Medical Education, Canadian Association for Medical Education, 2009
16. 2010 Academic Medicine [Journal] Excellence in Reviewing, 2010
17. Certificate of Appreciation for participation as a member of the Education Committee, Royal College of Physicians and Surgeons of Canada, 2006-2010
18. Canadian Association of Continuing Health Education Award for Best Research Paper, Feedback sources that inform physician self assessment, Banff, 2011

19. Journal of Graduate Medical Education. Top 10% of all reviewers for Journal in 2010. Notification provided August 2011.
20. Royal College of Physicians and Surgeons of Canada, Accredited CPD Provider Innovation Award for Physician Achievement Review Program: A collaboration between College of Physicians and Surgeons of Alberta and the Office of Continuing Medical Education and Professional Development, University of Calgary. Awardees: J Lockyer, C Violato, T Theman and J Swiniarski. May 2012
21. Royal College of Physicians and Surgeons of Canada, Accredited CPD Provider Innovation Award for Physician Learning Program. A collaboration between the offices of Continuing Medical Education and Professional Development – University of Calgary, the Physician Learning Program at the University of Alberta, and the Alberta Medical Association. Awardees: L Cooke, E Chow Baker, I Vicas, C de Gara and J Lockyer. May 2014
22. Journal of Continuing Education in the Health Professions. 2014 Runner Up for Research Excellence Award for: Lockyer J. Multisource feedback: can it meet criteria for good assessment? J Contin Educ Health Prof. 2013;33(2): 89–98.
23. Alberta Medical Association Medal of Honor in recognition of a non-physician who has made an outstanding personal contribution to the people in Alberta and who has contributed to the advancement of medical research, medical education, health care organization, health education and/or health promotion to the public and raised the standards of health care in Alberta. Sept 2016.
24. Fellow of the Society for Academic Continuing Medical Education (FSACME). Inducted into the inaugural class of the Academy of Fellows of the Society for Academic Continuing Medical Education for sustained record of outstanding contributions to the field of CME/CPD. May 18, 2017
25. Royal College of Physicians and Surgeons of Canada, Honorary Degree, FRCPSC (Hon). Conferred October 20, 2017.
26. Meridith Marks Mentorship Award, Memorial University, 2018
27. PUBLONS Top Peer Reviewer 2019. For placing in the top 1% of reviewers in Social Sciences on Publons global reviewer database determined by the number of peer review reports performed during the 2018-19 report year.
28. Dr Jocelyn Lockyer CPD Scholarship Award (First recipient). Award presented to an individual or group to recognize the significant contribution in the development and dissemination of curriculum design, feedback or assessment strategies contributing to the advancement of CPD of physicians or multidisciplinary teams. September 18, 2020
29. Journal of Continuing Education in the Health Professions. Honorable Mention for Lockyer J, DiMillo S, Campbell C. An Examination of Self-Reported Assessment Activities Documented by Specialist Physicians for Maintenance of Certification. J Contin Educ Health

Prof. 2020 Winter;40(1):19-26. doi: 10.1097/CEH.0000000000000283. PMID: 32149945.  
June 2021

## **IV APPOINTMENTS**

### **i. Academic**

Adjunct Assistant Professor, Office of Medical Education, Faculty of Medicine, The University of Calgary, July 1988 - June 1994

Adjunct Associate Professor, Office of Medical Education, Faculty of Medicine, The University of Calgary, July 1994 - June 1997

Adjunct Associate Professor, Office of Medical Education, Faculty of Medicine, The University of Calgary, July 1997 – April 1998

Adjunct Associate Professor, Dean's Office, Faculty of Medicine, The University of Calgary, May 1998 to December 2002

Associate Professor, Department of Community Health Sciences, The University of Calgary, January 2003 to March 2008

Professor, Department of Community Health Sciences, The University of Calgary, April 2008 to 2018

Adjunct Professor, Faculty of Medicine and Dentistry, The University of Alberta, Jan 2011 to June 2014

Professor Emerita, University of Calgary, July 2018 – Present

Adjunct Professor, Department of Community Health Sciences, Cumming School of Medicine, University of Calgary, July 2018 – June 2024

### **ii. Professional**

Administrative Residency: St Joseph's Hospital, Hamilton, Ontario, May to August 1974

Administrator, Ambulatory Services Inc/Administrative Assistant, Department of Family Medicine, St Joseph's Hospital, Hamilton, Ontario, May 1975 to December 1976.

Administrative Assistant, Continuing Medical Education, Faculty of Medicine, University of Calgary; Sessional Non Teaching Board Appointment. February 1, 1977 - July 31, 1977

Administrative Assistant, Graduate Clinical and Continuing Medical Education, Faculty of Medicine, The University of Calgary; Full Time Limited Term Non Teaching Board Appointment. August 1, 1977 - June 30, 1982

Administrative Assistant, Graduate Clinical and Continuing Medical Education, Faculty of Medicine, The University of Calgary; Full Time Probationary Non Teaching Board Appointment. July 1, 1982 - June 30, 1984

Administrative Assistant, Graduate Clinical and Continuing Medical Education, Faculty of Medicine, Full Time Non Teaching Board Appointment Without Definite Term. July 1, 1984 - 1990.

Administrative Assistant, Graduate Clinical and Continuing Medical Education, Faculty of Medicine, Full Time Board Appointment (Professional and Administrative Staff). July 1990 - July 1991.

Director of Continuing Medical Education and Director of the Office of Graduate Clinical Education, Faculty of Medicine, Full Time Board Appointment (Professional and Administrative Staff). July 1991 - 1998

Director, Continuing Medical Education and Professional Development. Faculty of Medicine, Full Time Board Appointment (Professional and Administrative Staff). July 1998 – June 2006.

Associate Dean, Continuing Medical Education and Professional Development, July 2006 – 2012.

Senior Associate Dean, Education, Faculty of Medicine, July 2012 to June 2017

## **V EDUCATIONAL ACTIVITIES**

### **Graduate Students**

#### Supervisor for students who have completed degrees Master's Degrees

Dr Galt Wilson, MSc, Medical Sciences. Thesis: Occupational self-efficacy of family physicians: Instrument development and analysis of self-efficacy ratings of British Columbia practitioners. 2005

Dr Kris Lundine, MSc, Medical Sciences. Thesis: Perceptions of communication skills amongst orthopedic residents and program directors: A mixed methods study. 2006.

Dr Hilary Delver, MSc, Medical Sciences. Thesis: Assessing the educational needs of Alberta Veterinarians: A mixed methods design using a questionnaire and focus groups. 2006

Dr José Pereira, MSc., Medical Sciences. Thesis: The development and assessment of an instrument to assess palliative care competencies. 2006.

Dr Joann McIlwrick, MSc., Medical Sciences. Thesis: A grounded theory qualitative analysis of post-graduate psychiatry resident attitudes towards learning and training in the Psychiatric Emergency Services. 2007.

Dr Sophia Chou, MSc, Medical Sciences. Thesis: A needs assessment of resident in-training evaluation processes in Canadian post graduate training programs. 2007.

Dr Athena McConnell, MSc, Medical Sciences. Thesis: Routine childhood immunization: Assessing how well Canadian pediatric residents are taught and how they learn the process of communicating vaccine risks and benefits. 2008.

Dr Marcia Clark, MSc, Medical Sciences 2008. Thesis: A descriptive study analyzing musculoskeletal undergraduate medical education at the University of Calgary, Faculty of Medicine.

Dr Estee Grant, MSc. Medical Sciences. Thesis: The development of a valid and reliable evaluation tool for assessment of pediatric resident competence in leading simulated pediatric resuscitations. 2008.

Dr Jonathan White, MSc. Medical Sciences. Thesis: What do they want me to say? Exploring a qualitative analysis of the use of the essay question in medical school admissions. 2009.

Dr Pauline Alakija, MSc. Medical Sciences. Thesis: Peer assessment and self assessment of professional behaviors in undergraduate medical students at the University of Calgary. 2009.

Dr Robert Chan, MSc. Medical Sciences, Thesis: Measurement of the Operating Room Educational Environment. 2010.

Amonpreet Sandhu Dhillon, MSc. Medical Sciences. Thesis: Successful Family Centered Bedside Ward Rounds: Pediatrician and Resident perspectives. 2012.

Dr Oliver Haw For Chin, MSc, Medical Sciences. Thesis: The Effectiveness of Examiner Training in a Simulation-Based Assessment of Cardiac Physical Examination Competence, 2013.

Dr Carmen Hurd, MSc, Medical Sciences. Thesis: Assessing Adult Medicine Specialists Using Multisource Feedback: A Longitudinal Study, 2013

Dr Jonathan Gaudet, MSc, Medical Sciences. Thesis: Development and implementation of an assessment tool for critical care trainees in focused cardiac ultrasound, 2014

Dr Thomas Stark, MSc, Medical Sciences. Thesis: Interactions between physicians and the pharmaceutical industry: A study into the perceptions of the early career psychiatrist, 2014

Dr Adam Bass, MSc. Community Health. Thesis: A mixed methods study of the continuing medical education needs of Canadian and Calgary Nephrologists 2015.

Dr Cary Hashizume, MSc. Community Health, Thesis: The faculty development needs and teaching motivations, enjoyment, and challenges of veterinary preceptors: A mixed methods study, 2015.

Dr Jason Lord, MSc. Community Health. Thesis: An examination of the impact of simulation and multimedia instruction on central venous catheterization. 2017.

Dr Julia Haber, MSc Community Health. Thesis: Situational awareness in anesthesiology. 2017.

Dr Anne Roggensack, MSc Community Health. Thesis. What are the factors influencing Canadian-trained residents' choice of pursuing the subspecialty of Maternal-Fetal Medicine? 2017.

## PhD Degrees

Marianna Hofmeister, Medical Sciences, PhD. Thesis: The Multiple Mini Interview in the Assessment of International Medical Graduates for Family Medicine Residency Training in Canada: An Examination of Psychometric Evidence. 2007

Greggory Trueman, PhD, Thesis: Co-worker Assessment and Multisource Feedback, 2013.

Mona Nasir, PhD, Thesis: Application of classical test theory and item response theory to analyze multiple choice questions. 2014

Heather Seabrook, PhD. Thesis; Informal learning using tablet computers and apps: A multi-method study of older adults self-managing diabetes. 2016.

### Supervisory committee for students who are completing degrees

Julia Hollett, MD, Master's student. Thesis: Exploring the learning experiences of the general surgery clerkship. Not completed.

Kathleen Moncrieff, PhD, MD, Master's student. Thesis: Analysis of textual data pertaining to chronic diseases within Cumming School of Medicine undergraduate medical education core documents. Anticipated completion: 2022.

### Member Supervisory Committee for students who have completed degrees

Karen MacMillan, PhD, 2004. Applied Psychology, Faculty of Education, University of Calgary. Thesis: Pathways to competence in childhood and adolescence: the role of parenting quality and social support.

Kent Hecker, PhD, 2007, Medical Sciences. Thesis in preparation: A Longitudinal Study of the Effects of Medical School Curricula and Educational Policies on Student Performance on the United States Medical Licensing Examinations, 1992-1999: A Multi-level, Multivariate Study.

Andrea Vallevand, PhD, 2008, Faculty of Kinesiology. Reliability and Sources of Errors in Assessing Physician Performance in an Objective Structured Clinical Examination: A Generalizability Theory Analysis

Dr Christopher Blackmore, MSc. Community Health Sciences—Medical Education Specialization. Thesis: A Targeted Needs Assessment for a Transitional “Boot Camp” Curriculum for Pediatric Surgery Residents

Daniela Keren, Leaders in Medicine Student (Combined MD and MSC). 2020. Thesis: Collaborative learning within small groups in medical school.

Gordon Green, EdD. Examining Interprofessional Team Decision Making through a Distributed Cognition Lens, Werklund School of Education, University of Calgary.

Abraham Munene, PhD. 2020. Program in Faculty of Veterinary Medicine. Thesis: Focus on perceptions of water quality in rural Alberta.



Dr Kelly Shrinkaruk, MSc, 2021. Community Health Sciences—Medical Education Specialization. Thesis: Perception of Interprofessional Learning during an Interprofessional Collaborative Care Pain Clinic Elective: An Embedded Mixed Methods Study

### **Member of Supervisory Committee for students in a PhD Program**

Eleanor Turyikira, PhD Program in Health Services Research, Community Health Sciences. Focus on maternal health literacy in Uganda. [Withdrew]

### **Member Supervisory Committee for students who have completed PhD candidacy examinations**

Heather Seabrook, Faculty of Education, Graduate Division of Educational Research, October 2012

Mona Nasir MD, Faculty of Medicine, Medical Education Specialization, December 2012

### **Internal or External Examiner**

Shelley Gronski, Internal/External Examiner, MCE, Faculty of Education, University of Calgary, 2004

Amanda Lowe, External Examiner, MSc, Graduate Studies in Rehabilitation Medicine, University of Toronto, Thesis: Use of reflection in implementing learning from a continuing education course into occupational therapy practice. 2004

Elizabeth Wenghofer PhD, External Examiner, Institute of Medical Science, Faculty of Medicine, University of Toronto, Thesis: A conceptual model for physician clinical performance: The case for family physicians in Ontario. 2004

Kathryn Parker PhD External Examiner, University of Toronto, Ontario Institute for Studies in Education, Internal determinants of change readiness: implications for the continuing education of health professionals. 2006

Bruce C Dunphy PhD External Examiner, School of Education, Faculty of Education and Arts, University of Newcastle, Australia. Thesis: Cognitive and metacognitive factors associated with patterns of obstetrician decision-making to perform and intrapartum caesarean section. 2007

Francesca Luconi PhD, External Examiner, Department of Educational and Counseling Psychology, McGill University, Exploring rural family physicians' learning from a web-based continuing medical education program on Alzheimer's Disease: A pilot study. August 2008

Chris Huffam, External Examiner, PhD in Graduate Division of Educational Research, University of Calgary, Phase 1 in the Development of a Taxonomy of Simulation Based Assessment. April 2010

Renee Ruiter-Kohn, Internal/External Examiner, PhD in Graduate Division of Community Rehabilitation and Disability Studies, University of Calgary, The licensure experience of International Medical Graduates who are practicing physicians in Ontario: A qualitative investigation. November 2010

Helgi Eyford, Internal/External Examiner, PhD in Graduate Division of Educational Research, The acculturation of International Medical Graduates to Canadian practice, August 11, 2011

Patricia McCarthy, External Examiner, PhD, School of Graduate Studies, Memorial University of Newfoundland, Development and Validation of a Multisource Feedback Tool to Assess Medical Trainee Competence in Patient Safety, Feb 2022.

### **Courses Taught**

MDSc 755.74. Instructional Methods. Offered as directed study. January 2003 – April 2003. (2 students)

MDSc 755.74. Instructional Methods. Offered as directed study. April 2003 – June 2003. (2 students)

MDSc 731.02. Curriculum Design and Evaluation. September – December 2003. (7 students)

MDSc 731.01 Instructional Methods. January – April 2004 (8 students)

MDSc 755.44 Qualitative Methods in Medical Education Research. June – August 2004 (1 student)

MDSc 731.02 Curriculum Design and Evaluation . September – December 2004 (5 students)

MDSc 731.01 Instructional Methods January – April 2005 (8 students) (co-taught with T Donnon)

MDSc 731.02 Curriculum Design and Evaluation. September – December 2005 (10 students)

MDSc 755.44 Qualitative Methods in Medical Education Research. September – December 2005 (2 students)

MDSc Foundations of Medical Education. Jan – April 2006. (4 students)

MDSc 737 Curriculum Design. September – December 2006 (9 students)

MDSc 755.55 Qualitative Methods, January – April 2007 (6 students)

MDSc 737 Curriculum Design and Evaluation (Independent Study), January – April 2007 (1 student)

MDSc 737 Curriculum Design and Evaluation, September – December 2007 (6 students)

MDSc 755.55 Qualitative Methods, January – April 2008 (2 students)

MDS 737 Curriculum Design and Evaluation, September – December 2008 (10 students)

MDS 737 Curriculum Design and Evaluation, September – December 2009 (8 students)

MDS 755.55 Qualitative Methods, January – April 2010 (2 students)

MDS 737 Curriculum Design and Evaluation, September – December 2010 (8 students)

MDS 755.55 Qualitative Methods, January – April 2011 (4 students)

MDS 737 Curriculum Design and Evaluation, September – December 2011 (8 students)

MDS 734 Qualitative Methods, January – April 2012 (2 students)

MDS 737 Curriculum Design and Evaluation, September – December 2012 (14 students)

MDS 734 Qualitative Methods, January – April 2013 (4 students)

MDS 737 Curriculum design and evaluation, September – December 2013 (10 students)

MDS 734/MDCH 683 Qualitative Methods. January – April 2014 (16 students)

MDCH 625 Curriculum design and evaluation. Sept – Dec 2014 (3 students)

MDCH 683 Qualitative Methods. January – April 2015 (15 students)

MDCH 625 Curriculum design and evaluation. Sept - Dec 2015 (3 students)

MDCH 683 Qualitative Methods. January – April 2016 (12 students)

MDCH 625 Curriculum design and evaluation. Sept – Dec 2016 (6 students)

MDCH 683 Qualitative Methods in Health Services Research. Jan – April 2017 (14 students)

## **VI UNIVERSITY COMMITTEES**

### **Office of the Dean—Senior Education Office**

Chair, Strategic Education Council [Formerly Council of Associate Deans Education], 2012 to present

Member, IT Investment Council (2014-2017)

Member, Space Committee for Faculty (2012-2017)

Member, Planning and Priorities Committee (2012-2017)

Member, Precision Medicine/Precision Public Health Steering Committee (Fall 2016)

Member, Dean's Executive Committee (2012-2017)

### **Department of Community Health Sciences**

Member, Department of Community Health Sciences Committee

Member, Engagement Committee, 2015 to present

**Faculty**

Member, Admissions Committee, 2003 – 2005  
 Chair, Admissions Committee, 2005 – 2009  
 Member, Professionalism Committee, 2005 -2006  
 Member, 3/6 of the LCME Self-Study Committees (admissions, curriculum, and academic environment) for 2008 LCME/CACMS Review  
 Member, Teaching needs accountability task force, 2007  
 Member Multiple Mini Interview Committee, 2005 to Present  
 Member Search and Selection Committee, Associate Dean, International Health, 2009  
 Member, Interim Accreditation Review for LCME/CACMS, 2011-12  
 Chair Continuing Medical Education and Professional Development Committee, 2006-2012  
 Member, Awards Committee, 2012 to Present.

**Others**

In previous roles within Continuing Medical Education and Post Graduate Medical Education served on CME planning committees, PG review committees, and other committees pertaining to the operational and academic functions of those units. Chaired the CME and PD Committee (2006- 20012).Co-Chaired the Physician Learning Program Committee (2010-2012).

**University**

Member, General Faculties Council, 2007-2009; 2009 – 2012; 2014 to 2018  
 Member, Senate, General Faculties Council Representative, 2015 to 2018  
 Member, Honorary degree Committee, 2016 – 2018. Vice-Chair 2017-18.  
 Member, Honors Committee (2017-18)  
 Associate Deans, Teaching and Learning Network, 2014 – 2017

**Faculty of Continuing Education**

Member, Faculty of Continuing Education Council (Faculty of Medicine Council Representative), 1979 - 1983, 1985 - 1987, 1991 - 1993  
 Member, Program Policy and Review Committee, Faculty of Continuing Education, 1981 - 1983  
 Member, Selection and Review Committee for Dean of Faculty of Continuing Education, 1983;  
 Member Distance Education Advisory Committee 1992 - 1993

**Faculty of Management**

Member, Faculty of Management Council (Faculty of Medicine Council Representative), 1994 – 1996

**Faculty of Education**

Member, Faculty of Education Council (Faculty of Medicine Council Representative), 1996 - 2000

**Member, Administrative and Professional Board Appointees Staff Subcommittee** of The University of Calgary Faculty Association, September 1990 to 1993

**VII PROFESSIONAL ACTIVITIES****i. Membership in Professional and Learned Societies**

Canadian College of Health Services Executives, 1975 - 1987

Standing Committee on Continuing Professional Development (Previously Standing Committee on Continuing Medical Education) of Association of Canadian Medical Colleges, 1977 to 2012

Society of Medical Colleges Directors of Continuing Medical Education, 1985 to 1998

Society of Academic Continuing Medical Education, 1998 to 2012.

Alliance for Continuing Medical Education, 1987 to 2010

Canadian Association for Continuing Health Education, 2001 to 2013

Canadian Association for Medical Education, 2006- Present

## **ii Professional Service**

### **a) Journal Reviews**

Teaching and Learning in Medicine, 1993 - 2012.

Journal of Continuing Education in the Health Professions. 1993 - Present.

BioMed Central. 2004 – Present

Academic Medicine. 2004 – Present

Medical Education. 2004 – Present

The Canadian Journal of Higher Education, 2005

Canadian Journal of Surgery, 2010 to Present

Medical Teacher 2007 – Present

Medical Education 2005 – Present

Evaluation and the Health Professions, 2009 - Present

Canadian Medical Education Journal, 2010 - Present

### **b) Editorships**

CanMED (Newsletter on Continuing Medical Education produced by Upjohn Company of Canada in conjunction with Trimel Publishing Group), Member Editorial Advisory Board, 1989 and 1990

The Journal of Continuing Education in the Health Professions

Member, Journal Overseeing Committee, 1989 - 1994

Member, Search Committee for Editor, 1991.

Associate Editor, Practice of Health Education, 1992 - 1999

Consulting Editor, Reviews, 1995

Guest Editor, 1998 (No 3, Summer Issue on Needs Assessment)

Member, Administrative Board, 2000 – 2006

Chair, Administrative Board, 2003 – 2004  
 Consulting Editor, 2001 to present  
 Editor, Innovations in CME, 2007 – 2011  
 Member, Editorial Advisory Board, 2017 - Present

INTERCOM, Newsletter of the Society of Medical College Directors of Continuing Medical Education

Co-editor, 1992 to 1995  
 Associate Editor for Research Column, 1990 to 1992

Evaluation and the Health Professions

Member, Editorial Board, 2010 to Present

### **c) National and International Committee Work**

#### **i. Canadian College of Health Services Executives**

Member, Host Committee for 1978 National Conference in Calgary  
 Member, Committee for Alberta Chapter Formation, 1978 - 1979  
 Member, Steering Group on Self Assessment and Peer Review, 1978 - 1979  
 Member, Calgary Chapter Executive, 1979 - 1985  
 Member, Planning Committee for 1981 Annual National Conference in Winnipeg  
 Member, Planning Committee 1982 National Conference on Ethics  
 Member, Prairie Educational Committee Member, 1981 - 1985  
 Member, Provincial Advisory Council, 1985 - 1987

#### **ii. Standing Committee on Continuing Professional Development of Association of Faculties of Medicine of Canada**

Member, Research Subcommittee 1985 to 2008  
 Chair, Research Committee 1986 to 1989  
 Editor of Research Subcommittee Publication: Continuing Medical Education in Canada, 1988  
 Co-chair, Research Committee 1990  
 Member of Subcommittee on Relations with Industry 1990  
 Member of Research Subcommittee, 1991 - 2012  
 Vice-Chair, 1991 - 93  
 Chair, 1993 – 1995  
 Chair, Research Committee, 2002 – 2004  
 Chair, Assessment Subcommittee, 2009 – 2011  
 Chair, Committee on Industry, 2011 to 2012

#### **iii. Society of Academic Continuing Medical Education (formerly Society of Medical Colleges Directors of Continuing Medical Education)**

Member, Research Subcommittee 1986 to Present  
 Chair, Call for Research Papers for Annual Meeting in Clearwater, Florida 1987  
 Chair, Call for Research Papers for Annual Meeting in Omaha, Nebraska 1989  
 Member, Publications Committee 1990 to 2000  
 Regular Contributor to Intercom Newsletter, 1989 to Present  
 Co-editor, Intercom Newsletter, 1992 to 1995  
 Chair, Congress 2000  
 Member, Endowment Council 2002 – 2009  
 Chair, Endowment Council 2004 – 2008

SACME representative to Administrative Board of Journal of Continuing Education in the Health Programs 2003 - 2005.

Vice President Elect, 2005 – 2006

Vice President, 2006 – 2007

President, 2007-2008

Past President, 2008 - 2009

iv. Alliance for Continuing Medical Education

Member of Council, 1990 - 1993

Co-chair, Membership Committee, 1990 - 1991

Member Publications Committee, 1990 - 1991

Member of By-laws Committee, 1991

Member of Planning Committee, 1992 Meeting, New Orleans

Co-chair 1993 Meeting, Orlando

Member of Board, 1993 (3 year term)

Member of Planning Committee, 1994 Meeting, San Diego

Member of Planning Committee, 1995 Meeting, Phoenix

Chair, Research Committee, 1993 - 1996

Member, Nominating Committee, 1995

Member, Awards Committee, 1995

Co-Chair, Needs Assessment Courses, Chicago, Aug and Sept 1994.

Co-Chair, Evaluation Course, Chicago, Sept 1995

Co-Chair, Needs Assessment Course, Chicago, June 1996

Co-Chair, Evaluation Track, Alliance Annual Meetings, 1997, 1998

Chair, Evaluation Track, Alliance Annual Meetings, 1999 - 2001

Member Strategic Planning Committee, 1999

Member, Planning Committee for 1999 Annual Meeting, New Orleans

Member, Planning Committee for 2000 Annual Meeting, San Francisco

Alliance representative to Canadian Forum on CME – 1998 - 2000

Alliance representative to Administrative Board of Journal of Continuing Education in the Health Programs 1999 – 2002.

Member of Strategic Task Force to Develop a Plan for a Research Institute, 2011

v. Co-chair, Research in Continuing Medical Education III Conference; Los Angeles, April 1988

vi. Chair, Call for Papers, Congress on Continuing Medical Education: Research in Continuing Medical Education III, Los Angeles, April 1988

vii. Member, Planning Committee, RICME IV Conference, San Antonio, Texas, 1990

viii. Committee on Accreditation of Canadian Medical Schools

Member CME Subcommittee, 1993

Chair, Subcommittee to Develop "White" Paper on CME Accreditation, 1993

Member, On Site Survey Team, CME Survey, University of Toronto, Oct 1993.

Member, On Site Survey Team, CME Survey, University of Sask, March 1995.

Chair, On Site Survey Team, CME Survey, McGill University, April 1996

Member, On Site Survey Team, CME Survey, University of Ottawa, June 1998

Member, On Site Survey Team, CME Survey, University of British Columbia, Nov 1999

Member, On Site Survey Team, CME Survey, University of Manitoba, 2001

Member, On Site Survey Team, CME Survey, University of Toronto, 2002

Member, On Site Survey Team, CME Survey, McMaster University, 2003

- Member, On Site Survey Team, CME Survey, Dalhousie University, 2006 (Nov)  
 Member, On Site Survey Team, CME Survey, University of Saskatchewan, 2010 (April)  
 Chair, On Site Survey Team, CME Survey, Northern Ontario School of Medicine, 2011  
 (Nov)  
 Chair, On Site Survey Team, CME Survey, University of Toronto, March 2013  
 Co-chair, On Site Survey Team, McGill University, March 2015  
 Co-chair, On Site Survey Team, Dalhousie University, April 2017  
 Co-chair, On Site Survey Team, McMaster University, April 2019
- ix. Royal College of Physicians and Surgeons of Canada  
 Annual Meeting's Medical Education Organizing Committee, 1993-1996  
 Provider Conference Organizing Committee 2004-2011  
 Public Member, Education Committee, 2006 – 2010  
 Professional Development Committee, 2009 – 2013  
 Working Group on Self-approved Accredited Group Learning Activities, 2012  
 Maintenance of Certification Program Evaluation Steering Committee, 2012 to 2014  
 International Competence Based Medical Education Group, 2013 to Present  
 Member, Planning Committee, Summit on Competency Based Medical Education,  
 Barcelona 2016, Berne 2018  
 Member, National Advisory Committee on Competence by Design for Continuing  
 Professional Development. 2016 to present  
 Member, Continuing Professional Development Practice Based Assessment Working  
 Group, 2017 to Present
- x. Congress on Continuing Medical Education  
 Member, Planning Committee, 2004 program (Toronto)  
 Co-Chair, Scientific Committee 2008 program (Vancouver)  
 Co-Chair, Scientific Committee 2012 program (Toronto)  
 Member of Planning Committee 2012 program (Toronto)
- xi. Research Paper Reviews  
 Association of American Medical Colleges' GEA Reviews for Mini Workshops and  
 Presentations, 1998, 1999, 2003 - 2010
- xii. Aylmer V  
 Member of Planning Committee
- xiii. Canadian Association Continuing Health Education  
 Member, Executive Committee 2004 to 2006  
 Co-Chair, National Program, 2005 Calgary  
 Member, 2007 – Present  
 Member, Planning Committee, 2010 – 2011
- xiv. Canadian Association for Medical Education  
 Co-Chair Scholarship in Medical Education (SIME) Workshop Group 2008 – Present  
 President-Elect 2013-14  
 President 2014-16  
 Past-President 2016-2017  
 Nominations Member (2015); Chair (2016, 2017)
- xv. Canadian Conference for Medical Education  
 Member Planning Committee, 2015



Chair, Scientific Committee, 2016.

Xvi Canadian Medical Education Journal

Member Ad Hoc Administrative Board, 2014 to present; Co-chair 2017-present

Xvii. Medical Council of Canada, MCC 360

Member Steering Committee 2017 - Present

Member Instrument Development Group 2017 – Present

Member Research Committee 2017 - Present

### **c) Provincial Committees**

Alberta Heart and Stroke Foundation

Member, Committee for Dissemination of Cholesterol Guidelines for Physicians and Health Professionals, 1989 - 1991

Member, Subcommittee on Evaluation of Heart Smart Program, 1991

Member, Education Committee, 1991 - 1994

Chair, Community Development Workshop Planning Committee, 1992 - 93

Alberta Medical Association

Member, Meloche-Monnex (Alberta Medical Association) Scholarship Committee, 1992 - 2004

Member, Clinical Practice Guideline Dissemination Committee, 1996 - 1997

Member, Evaluation Committee, Physician Office Support Program, 2004 – 2005

Alberta Motor Vehicles Insurance

Member, Continuing Education Committee

Chair, Education Program Committee for Multi-disciplinary Education Event 2006

Alberta Cancer Board,

Member, Provincial Family Physicians Initiative's Education Committee 2008

Provincial CME Committee

Chair, 2011 -2012

Physician Learning Program Steering Committee

Ex officio member

Alberta Health Physician Educator Steering Committee

Member, 2012 to Present

Member of Committee to Review RFP for Consultant Work, 2012-13

## **VIII RESEARCH AND OTHER GRANT SUPPORT**

### **1981 - 1983**

Conjoint Medical/Nursing Education Project Designed to Develop Collaborative Problem Solving Skills in a Selected Group of Adult Learners. In collaboration with J Parboosingh, M Munro, G McDougall, E McKeil, D Pechiulis, and M Hammond. Funded by Alberta Advanced Education and Manpower--Innovative Projects Section. Award: \$100,000

### **1983 - 1984**

A Study of Factors Influencing Change in Clinical Behavior. In collaboration with J Parboosingh and G McDougall. Partial funding from the Royal College of Physicians and Surgeons of Canada. Award: \$4,000

**1985 - 1986**

Teaching Physicians to Access a Data Retrieval System for Clinical Information. In collaboration with J Parboosingh and W Maes. Partial Funding through the Royal College of Physicians and Surgeons of Canada. Award: \$4,000.

The Use of Stimulated Case Recall Interviews in Learning Needs Assessment for Intra Uterine Growth Retardation. In collaboration with J Parboosingh, D Avar, M Watson, C Pim, and J Yee. Partial funding through Medical Services Inc. Award: \$7,000

**1988 - 1989**

Sports Medicine: A Study of Family Physician Management of, Level of Comfort with and Sources of Information for Upgrading Knowledge. In collaboration with R Strother. Funded by Syntex Inc. Award: \$6000.

**1989 - 1990**

Hyperbilirubinemia in the Term Neonate: A Study of Physician Investigation and Treatment Decision Making. In collaboration with D McMillan and J Parboosingh. Funded by the Association of Canadian Medical Colleges and Foothills Hospital Research and Development Fund. Award: \$4500 (ACMC) and \$2500 (Foothills)

**1990 - 1991**

Can Practice-Based Questions Be Used to Focus CME Programs on the Educational Needs of Physicians. In collaboration with T Gondocz, P Jennett, B Badertscher, and J Parboosingh. Funded by Association of Canadian Medical Colleges. Award: \$3500.

**1991 - 1992**

Assessment of Stress in Medical and Graduate Science Students and Residents at the Faculty of Medicine, The University of Calgary. In collaboration with J Toews and K Brownell. Funded by the Association of Canadian Medical Colleges and The University of Calgary. Award: \$3000 (ACMC) and \$2000 (U of C).

**1992 - 1994**

The Development of a CME Curriculum in Alcohol Abuse for Family Physicians. In collaboration with N el-Guebaly and J Parboosingh. Funded by Alberta Family Life and Substance Abuse Foundation. Award: \$120,000.

**1993 - 1994**

The Development of a CME Curriculum in Cardiovascular Medicine. In collaboration with J Parboosingh. Funded by Merck Frosst. Award: \$85,000 in 1993; \$70,000 in 1994.

**1994**

A Study to Examine Stress among Medical and Graduate Science Students and Residents at Four Canadian Medical Schools. In collaboration with J Toews et al. Funded by Association of Canadian Medical Colleges. Award: \$15,000

A Study to Examine Physician Learning Needs Related to Medication Induced Headache. In collaboration with J Toews, V Becker and E Simpson, Glaxo Canada Inc. Award: \$9,000

A Survey of Physician Learning Needs in Schizophrenia. In collaboration with J Toews, D Addington, G McDougall and E Simpson. Janssen Canada. Award: \$9,000.

### **1995**

A Study to Examine Physician Use of Peak Flow Meters in Family Practice and Patient Perspectives on their Knowledge of Asthma. In conjunction with I Mitchell and E Simpson. Glaxo Canada. Award: \$5,000.

Physician Monitoring Project. In conjunction with J Toews, C Violato, T Marini, P Jennett, W Hall, E Flagler, J Swiniarski, and B Ward. Award: \$122,000

### **1996**

A Study to Examine Physician Knowledge About and Interest in Continuing Medical Education Related to the Management of Patients with Chronic Obstructive Pulmonary Disease. In conjunction with J Mellor, W Whitelaw, J Toews and A Gretton. Award: \$5,000.

### **1997**

A Follow-up Study of How Physicians Used the Personalized Information from the Physician Achievement Review Program to Make Changes in their Clinical Practice. In conjunction with J Toews, C Violato, H Fidler. Award: \$7,000. Society of Academic CME. 1997

A Study of Physician Educational Needs in Osteoporosis. In conjunction with D Hanley, H Fidler, J Toews, and E Lysholm-Andrews. Funded by Merck Frosst. Award: \$7,000 in 1997

An Examination of the Medical Educational Literature Related to Alcohol and Substance Abuse Teaching for Physicians. In conjunction with N el-Guebaly, D Hodges, S Armstrong, and J Toews. LR LeRiche Fund. Award: \$12,000 in 1997 and 1998

### **1999**

A Study of Physician Educational Needs re Preterm Labour. In conjunction with J Pollard, C Lane, N Singhal, C Frick. Funded by Population Health—Healthy Babies Program, Calgary Regional Health Authority. Award: \$7,000 in 1999.

Development and Validation of the Instruments for Surgeons and Anesthetists for the College of Physicians and Surgeons of Alberta Physician Achievement Review Program. In conjunction with C Violato, H Fidler, J Toews. Award: \$130,000 for 1999 and 2000

Commitment to Change: A Follow Up Study of Physicians Participating in an Educational Program re Diabetes and Lipids. In conjunction with A Edwards, C Jones, L Pereles, R Ward, H Fidler, and J Toews. Award: \$12,000 for 1999.

### **2000**

Study of Learning in Permanent Small Groups. In conjunction with L Pereles and H Fidler, Award: \$2,000 Alberta Family Physician Research Network and \$5000 (US) Society for Academic Continuing Medical Education 2000

### **2001**

Surgeon use of feedback from the CPSA-PAR Program. Medical Council of Canada. J Lockyer, C Violato, and J Toews. \$8,000. 2001

Standards of training and maintenance of competence for FP-anesthesia training. P Norton, J Lockyer, Health Canada, Office of Rural Health, 2001-2003.

## 2002

Impact of Alzheimer's and other dementias course on Practitioner Behavior. Pfizer Canada. J Lockyer, H Fidler, J Toews. \$20000. 2002 – 2004

## 2003

The development and validation of a megacode check list for the Neonatal Resuscitation Program. American Academy of Pediatrics. J Lockyer, N Singhal. \$20,000. 2003-2005

Development and psychometric assessment of medical specialists by patients, co-workers, peers, and self. College of Physicians and Surgeons of Alberta. J Lockyer, C Violato, J Toews. \$10,000. 2003-2004.

Development and psychometric assessment of tools to assess episodic practitioners through CPSA Physician Achievement Review (PAR) program. College of Physicians and Surgeons of Alberta. J Lockyer, C Violato. \$10,000. 2003-2006

Feasibility study to develop assessment tools for IMG physicians on special/limited registers. Medical Council of Canada. J Lockyer. \$ 10,000. 2003-2004

Perioperative pain and the orthopedic patient: A needs assessment of orthopedic surgeons and anesthesiologists. Merck Frosst Canada. \$20,000. 2003-2004

Canadian Association of Radiologists educational learning needs assessment. Canadian Association of Radiologists. J Lockyer, H Fidler. \$3,000. 2003

Breast screening: An assessment of an educational program. Alberta Medical Association. J Lockyer, M Churcher, H Fidler, \$10,000 2003-2004

Canadian Association of Anesthesiologists Educational Learning Needs Assessment. Canadian Association of Anesthesiologists. J Lockyer. \$5000. 2003

## 2004

An assessment of the meaning of certain aspects of medical professionalism in practicing physicians in Alberta. College of Physicians and Surgeons of Alberta. L Pereles, K Brownell, J Lockyer. \$5,000. 2004-2005

A review and assessment of educational strategies to help physicians gain systems acumen. Merck Frosst Canada Ltd. J Lockyer, D Wright. \$10,000. 2004-2005

A study of family physician perception of working on interdisciplinary teams. Association of Canadian Medical Colleges' Social Accountability Project. J Toews, B Wright, J Lockyer. \$12,000. 2004-2005

## 2005

Global Cardiovascular Risk education program: An assessment of outcomes, Pfizer Canada, J Lockyer. \$80,000. 2005-2006.

## 2006

Psychometric assessment of tools to assess anesthesiologists through CPSA Physician Achievement Review (PAR) program. College of Physicians and Surgeons of Alberta. J Lockyer, C Violato. \$8522. 2005-2006

Development and psychometric assessment of tools to assess radiologists through CPSA Physician Achievement Review (PAR) program. College of Physicians and Surgeons of Alberta. J Lockyer, C Violato. \$3338. 2005-2007

Communication skills in Orthopedics. Royal College of Physicians and Surgeons of Canada. K Lundine (MSc thesis work). \$8606. 2005-2006

### **2007**

Canadian Psychiatric Association Needs Assessment. Canadian Psychiatric Association. \$4608. 2006-2007.

### **2008**

Medical Council of Canada, Towards a system-based culture of professional self-regulation through directed self-assessment \$50,000 2008 – Present

Canadian Institute for Health Research (CIHR), Impact of (ACoRN) acute care of at risk newborn education program – Rural China. \$30,000 Summer 2008 - 2011

American Academy of Pediatrics, Evaluation of the 'Healthy Babies Program' Phase I (Pakistan and Tanzania), \$57,000, Summer 2008 – 2010

### **2009**

Physician Learning Program, \$5 million allocated 2008 – 2011 for Universities of Alberta and Calgary.

### **2010**

American Academy of Pediatrics, Evaluation of the 'Healthy Babies Program' Phase II (Bangladesh and India), \$50,000, 2010 - 2011

Royal College of General Practice, Comparison of Colleague and Patient Multi Source Feedback Instruments Designed for GPs in UK, £25,000

### **2011**

Physician Learning Program, \$3.5 million allocated 2011 – 2012 for Universities of Alberta and Calgary.

Health Canada, Drug Utilization Prevention and Promotion Program Grant.

### **2012**

Health Canada, Drug Utilization Prevention and Promotion Program Grant. (2010-2012). (\$180,000)

Kee Tas Kee Now Tribal Council (via Health Canada), Drug Utilization Prevention and Promotion Program Grant. (\$320,000)

Association of Faculties of Medicine of Canada, Standing Committee on Continuing Medical Education. Clinical Teaching as Part of Continuing Medical Education: Does Teaching Enhance Performance? 2012-13 (\$20,000) [Co-PI].

W21 C/Brenda Stafford Foundation Chair in Geriatric Medicine Gerontechnology Grant, 2012-2014. \$7000. [Co PI with Heather Seabrook]

### **2013**

American Academy of Pediatrics. Evaluation of Helping Babies Survive. 2013-14. \$20,000. [Co-PI with Nalini Singhal]

College of Physicians and Surgeons of Alberta. Psychometric Assessment of the Revised Family Physician Instruments for the Physician Achievement Review Program. \$17,000. 2013-14. [PI].

W21C/Brenda Stafford Foundation Chair in Geriatric Medicine Gerontechnology Grants Committee. \$2,925 Assessing a quick method for selecting usable apps for aging adults. \$2925. 2013-14. [Co-PI with Heather Seabrook].

### **2014**

Sargeant J, Armson H, Dreissen E, Lockyer J, Lynn L, Mann K, Ross K, Silver I, Soklaridis S, Warren A, Zetkusic M. Testing an evidence-based model for facilitating performance feedback and improvement in residency education: what works and why? National Board of Medical Examiners Stemmler Foundation, Philadelphia PA. \$150,000. 2014-16

### **2015**

Lockyer J, Free Text Study of PAR Comments, College of Physicians and Surgeons of Alberta, Edmonton, \$6,000, 2015.

## **IX PRESENTATIONS**

### **i. Invited Presentations**

#### **1977**

Utilizing Clinical Appraisal: The Implications for Research, University of Calgary Faculty of Medicine Symposium: Clinical Appraisal, September 1977, Calgary

An Introduction to Budgeting in Hospitals, University of Calgary Faculty of Continuing Education Symposium: Budgeting for the Head Nurse and Nursing Co-ordinator, October 1977, Calgary

#### **1978**

The Process of Medical Audit, Alberta Meeting of Health Record Analysts, April 1978, Calgary

#### **1985**

Physician Adoption of Innovation: Information Sources Used in the Decision Making Process, Canadian Health Libraries Association Annual Conference, June 1985, Calgary

#### **1993**

Changing Clinical Practice: A Look at the CME Literature, Medical Advisory Committee, Calgary General Hospital, May 1993, Calgary, Alberta

**1995**

Getting Started in Research and Evaluation in CME, Presentation and Discussion with Continuing Medical Education Committee, Seton Hall University, April 1995, South Orange, NJ.

Clinical Practice Guidelines: Dissemination is more than a publication. Presentation at Ottawa Heart Institute Meeting on New Canadian Guidelines for Hypercholesterolemia, Nov 1995, Ottawa, Ontario.

**1996**

Adult Learning, Presentation at Glaxo Wellcome Program on Asthma, Calgary, March 1996

Learning Needs in Asthma, Presentation at Glaxo Wellcome Program on Asthma, Calgary, March 1996.

Outcomes Research and Continuing Dental Education: A Workshop for Continuing Dental Education Professionals, Association for Continuing Dental Education Annual Meeting, Napa, August 1996.

**1997**

Educational Programming to Maximize Physician and Patient Gain: What works and what doesn't? Keynote Presentation at BCMA CME 1997 Annual General Meeting and Conference. Vancouver, April 1997.

Physician Learning: The role of evidence based medicine in continuing medical education. Are clinical practice guidelines the answer to educational content? Keynote Presentation at BCMA CME 1997 Annual General Meeting and Conference. Vancouver, April 1997.

Assessing Your Impact: How can you have an impact on physician behavior and patient care? How do you know you had an impact? What are the practical ways to measure improvement in physician practice and patient care? Workshop at BCMA CME 1997 Annual General Meeting and Conference. Vancouver, April 1997.

What Residents Should Know About Quality Assurance/Improvement. Workshops with Dean Sandham at the 3rd Annual Conference on Residency Education of the Royal College of Physicians and Surgeons of Canada, Vancouver, September 1997.

Looking Beyond Your Practice: The Family Physician as Catalyst for Change in the Community, Presentation at Pfizer Invitational Meeting for Family Physician Leaders, October 1997, Banff, AB.

**1998**

Education Principles and Approaches. ProCAM (Professional Certification in Asthma Management) Course, Calgary, Sept 1998.

**1999**

Presentation Skills: A Look at the Basics When Presenting to Professionals. Janssen-Ortho Inc Invitational Program on Foot Ulcer Management. Calgary. March 1999.

**2000**

How To Do Needs Assessments Effectively without Resources. Maine Medical Association Meeting, Portland Maine, April 2000.

Physicians as Learners: Are Physicians That Much Different From Other Learners? Teach the Teacher Program on Urinary Incontinence, Calgary, May 2000.

How to Get Grand Rounds Approved for Section 1. Jocelyn Lockyer, John Toews, Tom Marrie, Royal College of Physicians and Surgeons of Canada, Edmonton, Sept 2000

### **2001**

Mini Plenary Session: Bridging Theory to Practice, Respondent to Robert Fox's Presentation, Alliance for CME Annual Meeting, San Francisco, January 2001

360 Degree Assessment: Development and Evaluation from the Alberta Perspective. University of Toronto CME Committee. Toronto, April 2001

360 Degree Assessment: Development and Evaluation from the Alberta Perspective. Department of Medicine CME Committee Retreat, University of Toronto, Niagara on the Lake, April 2001

Opinion Leader Follow-up Workshop: Data from Stamford CT Evaluation Study and Next Steps. Stamford OL Retreat. New Canaan Ct, June 2001

### **2003**

Lockyer J, From Contemplation to Implementation: Our Role in Helping Residents Acquire New Knowledge, Skills and Attitudes, University of Calgary Faculty of Medicine Preceptor Conference (Cabin Fever), Kananaskis, February 2003

Lockyer J, Types of Accreditation and Credit Requirements for Family Physicians. Merck Canada Field Training Program, Montreal, April 2003

Lockyer J, Types of Accreditation and Credit Requirements for Royal College Fellows. Merck Canada Field Training Program, Montreal, April 2003

Lockyer J, Section 1 Course: Educational Standards, Providers Conference, Royal College of Physicians and Surgeons of Canada, Ottawa, November 2003.

Lockyer J, Multi Source Feedback, Coalition for Physician Enhancement Annual Meeting, Chicago, November 2003.

### **2004**

Lockyer J, Developing, assessing and giving feedback to clerks and residents about professional behaviors, 2004 Cabin Fever/Rural Physician Action Plan Faculty Development Program, Kananaskis, AB, Feb 2004

Lockyer J, The rationale for linking assessment and CPD: The University perspective. Aylmer V: A meeting of regulatory authorities and universities. Saskatoon, June 2004

### **2005**

Lockyer J, Multi source feedback: A Canadian Perspective on quality improvement and assessment of practicing physicians. Presentation to the staff and associates, National Board of Medical Examiners, Philadelphia, PA, March 2005.



Lockyer J, Research Design, Society for Academic CME Summer Research Institute, Halifax NS, June 2005

Lockyer J, Kane G, Linking theory and practice: Applying what has been learned. Society for Academic CME Summer Research Institute, Halifax NS, June 2005

Lockyer J, Tremblay G, Needs Assessment: Options for Evaluating Perceived and Non-perceived Needs, Royal College of Physicians and Surgeons of Canada, Provider Conference, Vancouver, September 2005.

Lockyer J, How physicians learn, 7<sup>th</sup> Annual Continuing Medical Education Conference, Montevideo Uruguay, October 2005 [Como aprende el medico, 7<sup>th</sup> Seminario—Taller en DPMC) Hacia la universalization del DPMC en el primer nivel de atencion: Metodologias educativas, Montevideo]

Lockyer J, Lecture, large interactive group & small group learning, 7<sup>th</sup> Annual Continuing Medical Education Conference, Montevideo Uruguay, October 2005 [Como aumentar la efectividad de las conferencias a grandes grupos y del aprendizaje en pequenos grupos, 7<sup>th</sup> Seminario—Taller en DPMC) Hacia la universalization del DPMC en el primer nivel de atencion: Metodologias educativas, Montevideo, Uruguay]

Lockyer J, Ward R, Adherence: Tips & Tricks to Facilitate Health Care Professional & Physician Learning: New Ways to Promote change in Chronic Disease Management, Canadian Network for Asthma Care, ASED Conference 7, Calgary AB, November 2005

## **2006**

Lockyer J, Multi source feedback in Alberta and the United Kingdom: Alternative Models, National Board of Medical Examiners Invitational Meeting, Philadelphia, PA, May 2006

Lockyer J, Multi source (360-degree) feedback for assessment & feedback: Description and rationale, Invitational Workshop, University of Saskatchewan, May 2006

Lockyer J, The practical aspects of getting started with multi source feedback, Invitational Workshop, University of Saskatchewan, May 2006

Lockyer J, Principles of Effective CME: Information for Facilitators of Small Group Learning, 2006 British Columbia Medical Association Continuing Medical Education Conference, Vancouver, June 2006

Lockyer J, Principles of adult learning and how to make them work for you. 2006 British Columbia Medical Association Continuing Medical Education Conference, Vancouver, June 2006

Lockyer J, Wright B, Toews J, Fidler H, Hofmeister M, Wright D, Development and Testing of a Model for Team-Based CPD (short presentation), CPDiQ Conference (Association of Faculties of Medicine of Canada, Social Accountability Initiative), Montreal, June 2006.

Manchul L, Lockyer J, Needs assessment, practice assessment and practice review in radiation oncology, Can Assoc for Radiation Oncology, Calgary, Sept 2006

Lockyer J, Practical aspects of needs assessment questionnaires, 4<sup>th</sup> annual Continuing Professional Development Providers Conference, Royal College of Physicians and Surgeons of Canada, Ottawa, Sept 2006

Lockyer J, How to Integrate systems thinking into educational planning. 4<sup>th</sup> annual Continuing Professional Development Providers Conference, Royal College of Physicians and Surgeons of Canada, Ottawa, Sept 2006

Lockyer J, Using 360<sup>o</sup> feedback methods to assess physician competence, 2006 annual conference: Leadership in specialty medicine: enhancing and assessing physician competencies. Royal College of Physicians and Surgeons of Canada, Ottawa, Sept 2006

Lockyer J, Multi-source feedback: An overview (Keynote presentation), Association of Studies in Medical Education Course on Multi Source feedback, London, UK Dec 2006

Lockyer J, CPD and revalidation, Association of Studies in Medical Education Course on Multi Source feedback, London, UK, Dec 2006

## **2007**

Lockyer J, Multi source feedback findings: It all depends on the question(s). National Board of Medical Examiners, Professional Behaviors Advisory Group Meeting, Philadelphia, February 2007

Lockyer J and Pereles L, Professionalism/Hidden Curriculum, Cabin Fever: A faculty development program for Alberta rural physicians. Kananaskis, February 2007

Lockyer J, Outcomes in CME: Let's get creative. Plenary session, Society for Academic Continuing Medical Education. Copper Mountain Colorado, March 2007

Lockyer J, CME Outcomes: It depends on the questions and the context. Plenary session, Society for Academic Continuing Medical Education. Copper Mountain Colorado, March 2007

Lockyer J, Experience with the MCC's IMG Multi Source Feedback Instrument, Medical Council of Canada Invitational Meeting on Summative Assessment of Clinical Performance in the Workplace, Whistler BC April 2007

Lockyer J, Didactic programs have very minimal impact on physician learning, Medical Marketing and Media Webcast, April 2007

Lockyer J, Klein D, Settling into practice in a new country: Learning for practice, Standing Committee on CME Retreat, Victoria, BC, May 2007

Lockyer J, Measuring the impact of health education activities on the learner. Health Research Methods Course. Faculty of Medicine, University of Calgary, Calgary, May 2007

Lockyer J, PAR, University of Alberta Psychiatry Residency Program Committee Retreat, Edmonton, June 2007

Lockyer J, Ward R, Integrating systems thinking into CPD: Practical considerations. Royal College of Physicians and Surgeons of Canada Annual Provider's Conference, Winnipeg, September 2007.

## 2008

Lockyer J, Mini-Plenary: Top 5 lessons learned from CME literature over the past 20 years. Alliance for Continuing Medical Education Annual Conference; Orlando FL. January 2008

Swiniarski J, Lockyer J, The role of PAR in practice improvement, Surgical Grand Rounds, University of Alberta, Edmonton, February 2008

De Gara C, Lockyer J, A presentation to the Board of the AMA, Alberta Medical Association Board meeting, Edmonton, February 2008

Lockyer J, Tips for designing effective CME/Sugerencias para el diseno de una actividad de education medica continua, 10<sup>th</sup> Seminar in Continuing Professional Development, Montevideo Uruguay, October 2008

Lockyer J, Evaluation of CPD/La evaluacion en el desarrollo profesional medico continuo. 10<sup>th</sup> Seminar in Continuing Professional Development, Montevideo Uruguay, October 2008

Lockyer J, Evaluation methods: focus groups and commitment to change/ metodologias para la evaluacion: Grupos foco y Compromiso de cambio, 10<sup>th</sup> Seminar in Continuing Professional Development, Montevideo Uruguay, October 2008

## 2009

Lockyer J, Data driven learning: feedback, audit, privacy—Getting patient outcomes to influence physician learning and practice, Standing Committee on CME Retreat, Association of Faculties of Medicine of Canada Annual Meeting, Edmonton, May 2009

Lockyer J, Ian Hart Lecture--The New Frontier: Physician Continuing Professional Development, Association of Faculties of Medicine of Canada Annual Meeting, Edmonton, May 2009

Lockyer J, How physicians learn and change: Physical Medicine and Rehabilitation, Canadian Association of Physical Medicine and Rehabilitation Annual Scientific Meeting, Banff, AB, May 2009

Lockyer J, Current Trends and Issues in CME Research and Evaluation, Society for Academic Continuing Medical Education, Summer Research Institute, Toronto, June 2009

Lockyer J, Designing the Evaluation, Society for Academic Continuing Medical Education, Society for Academic Continuing Medical Education, Summer Research Institute, Toronto, June 2009

Lockyer J, Quantitative Methods-Rationale and Outcomes, Society for Academic Continuing Medical Education, Summer Research Institute, Toronto, June 2009

Lockyer J, Survey Methodology, Society for Academic Continuing Medical Education, Summer Research Institute, Toronto, June 2009

Lockyer J, Sargeant J, Workshop: Multisource feedback: Viable assessment and feedback for both in-training and in-practice, Royal College of Physicians and Surgeons of Canada, International Conference on Residency Education, Victoria, September 2009.

Lockyer J, Evaluation Overview, Northern Ontario School of Medicine, Research Workshop: Curriculum Design and Program Evaluation, Thunder Bay, September 2009.

Lockyer J, Developing a Plan for Program Evaluation, Northern Ontario School of Medicine, Research Workshop: Curriculum Design and Program Evaluation, Thunder Bay, September 2009.

Lockyer J, Designing Surveys, Northern Ontario School of Medicine, Research Workshop: Curriculum Design and Program Evaluation, Thunder Bay, September 2009.

Lockyer J, Switzer C, Needs Assessment, Royal College of Physicians and Surgeons of Canada and College of Family Physicians of Canada, 1<sup>st</sup> National CPD Accreditation Conference, Ottawa, October 2009

Lockyer J, Developing the Research Question (Videoconference), Queen's Fellows in Medical Education, October 2009

Lockyer J, An examination of UK physician and patient multisource feedback instruments: How do the instruments align with GMC attributes and GMP duties? What are their psychometric properties? How do physicians use MSF feedback? Revalidation Ready! A meeting of the Royal College of General Practitioners of the UK, Glasgow, November 2009

## **2010**

Lockyer J, Multisource (360 degree) feedback and the assessment of ACGME competencies for Emergency Medicine Residents, Council of Residency Directors of Emergency Medicine (CORD-EM) Academic Assembly, Orlando FL, March 2010

Lockyer J, Physicians and the pharmaceutical industry: Contemporary thinking about conflicts of interest, Canadian Pediatric Endocrine Group, Calgary, March 2010

Lockyer J, Curriculum Design, Teaching Scholars Program, Calgary, April 2010

Lockyer J, Lemay J-F, McIlwrick J, Kothandra Raman M, Targeting a career in medical education: Preparing for a career in medical education, Teaching Scholars Program, Calgary, May 2010

Lockyer J, Targeting a career in medical education: Engaging in scholarship in medical education. Teaching Scholars Program, Calgary, May 2010

Lockyer J, The CME/PD Literature, CPD-KT Researcher Meeting: "Moving research forward: a national collaboration of CME/CPD and KT researchers" Halifax, June 2010

Lockyer, J, Multi source (360<sup>0</sup>) feedback: An approach to assessing CanMEDS roles, Royal College of Physicians and Surgeons of Canada: International Conference on Medical Education, Sept 2010.

Lockyer J, Elements of a proposal and the research question, Research in Medical Education Program at Royal College of Physicians and Surgeons of Canada: International Conference on Medical Education, Ottawa, Sept 2010.

Lockyer J, Review of key research findings in CME/CPD, 2<sup>nd</sup> National CPD Accreditation Conference, Toronto, Sept 2010

Lockyer J, Continuing Professional Development: Changing Behaviors to Improve Outcomes (Keynote), University of Ottawa Faculty Development Day, October 2010

Lockyer J, Self Assessment: Strategies to improve knowledge of self and guide others about their practice (Workshop), University of Ottawa Faculty Development Day, October 2010

Lockyer J, Physician Learning Program: A QI initiative for physicians in Alberta, Society for Academic Continuing Medical Education Fall Meeting, Washington, DC, November 2100.

Bent K, Moore D jr, Lockyer J, Spence P, Moving from learner to practicing physician: what are the questions, how can we begin to answer them? Association of American Medical Colleges RIME and CME GEA Symposium, Washington, DC, November 2010

Lockyer J, Simpson S, Schachar N, Maintenance of competence for pathologists: Trends in AB, Canada and the rest of the World, Department of Pathology Rounds, University of Calgary, Nov 2010

## **2011**

Bainbridge L, Lockyer J, Gagnon M, Croteau, Panel Presentation--Collaboration: Best Practices, Canadian Association of Continuing Health Education, Banff, April 2011

J. Lockyer, University of Calgary, Calgary, A. Oswald, University of Alberta, Edmonton, C. Campbell SYMPOSIUM: Career transitions: Preparing for a fulfilling life and career in medicine International Conference on Residency Education (ICRE), Quebec City, Sept 2011

Lockyer J, Transitioning into Practice, Conference Plenary Panel Session: Transitions: Critical phases in the evolution of a doctor with A Neville, J Lockyer, A Boucher, M Sholzberg, International Conference on Residency Education (ICRE), Quebec City, Sept 2011

Lockyer J, Learning theories as the building blocks for effective CPD, 3<sup>rd</sup> Annual CPD Providers Conference, Ottawa, Sept 2011

Lockyer J, Webinar: Best practices in CPD: How they are supported by educational theory? *EMC en Red* (CME network for those working in CME and CPD who organize and carry out educational activities for health professionals in Latin America), Delivered in English with translation into Spanish, October 2011

Multi Source Feedback: An evidence based overview of the tool for assessment, feedback, and quality improvement. Annual General Meeting of the Medical Council of Canada. October 2011

Lockyer J, Physician self-assessment vs. objective external assessment, Saskatchewan Practice Enhancement Program Assessor's Conference, San Diego, Nov 2011

Lockyer J, Multisource feedback: An evidence based overview, Council of the College of Physicians and Surgeons of Ontario, November 2011

## **2012**

Lockyer J, How does multisource feedback work for regulators, public and practicing physicians. American Board of Internal Medicine: Multisource Feedback Expert Panel Meeting; Philadelphia, Feb 2012

Lockyer J, Plenary Presentation: Pedagogy, politics, and practicality: Advancing curriculum design for today's learners, Congress on CME, Toronto On, June 2012

Lockyer J, Videoconference Presentation: Maximizing the 3 p's (pedagogy, politics, and practicality) for effective curriculum planning and design, University of Saskatchewan, Continuing Medical Education, June 2012

Lockyer J, Medical Council of Canada Centenary Workshop Initiative, Multisource feedback: Evidence for and implementation of this assessment tool, University of Ottawa, Dec 4 2012.

Lockyer J, Medical Council of Canada Centenary Workshop Initiative, Multisource feedback: Evidence for and implementation of this assessment tool, University of Toronto, Dec 5 2012.

Lockyer J, Multisource feedback (aka 360<sup>0</sup> evaluation) What is the 'science' behind an MSF assessment? What are the critical steps in implementing an effective MSF program? 41<sup>st</sup> Annual Meeting of Association of Academic Professionals in Obstetrics and Gynecology, Toronto, Dec 8, 2012

## **2013**

Lockyer J, World of Multi-Source Feedback, PAR Collaboration Workshop Hosted by the College of Physicians and Surgeons of Alberta, Toronto, April 4, 2013

Lockyer J, Multisource feedback: Its role In assessment and remediation, The Coalition for Physician Enhancement, Spring 2013 Meeting—Workplace-based assessment, Winnipeg, May 30, 2013

Lockyer J, How can multisource feedback work in our program? The Coalition for Physician Enhancement, Spring 2013 Meeting—Workplace-based assessment, Winnipeg, May 30, 2013

Lockyer J, Assessment and Feedback, University of Calgary Faculty of Medicine Continuing Medical Education and Professional Development Retreat. September 16, 2013

Lockyer J, Mann K, Coderre S, Goldszmidt M, Donnon T, Canadian Association for Medical Education--Scholarship in Medical Education Workshop Royal College of Physicians and Surgeons of Canada International Conference on Residency Education, September 26, 2013, Calgary AB.

Lockyer J, Mann K, Multisource feedback: Designing a program, instruments and feedback to optimize quality and effectiveness, Invited Workshop, Royal College of Physicians and Surgeons of Canada International Conference on Residency Education, September 28, 2013, Calgary AB.

Lockyer J, Organizational approaches to ensuring continuing competence: the role of educational interventions, practice data and feedback, Canadian Network of National Associations of Regulators, Oct 23, 2013, Toronto, On.

## **2014**

Lockyer J, Changing Behaviors: The literature and research that guides us in helping physicians do better, Pre-Seminar Program for Royal Australasian College of Surgeons, Royal Australasian College of Physicians, and Royal College of Physicians and Surgeons of Canada Revalidation 2014 Meeting, March 13, Melbourne Australia

Lockyer J, How do we assess the individual's performance? Alberta Physician Achievement Review and Physician, Learning Program, Revalidation—Conjoint Medical Education Seminar Royal Australasian College of Surgeons, Royal Australasian College of Physicians, and Royal College of Physicians and Surgeons of Canada Revalidation Meeting, March 14, 2014, Melbourne, Australia

Lockyer J, Feedback and R2C2 (Relationship, Reaction, Content and Coaching), Revalidation—Conjoint Medical Education Seminar Royal Australasian College of Surgeons, Royal Australasian College of Physicians, and Royal College of Physicians and Surgeons of Canada Revalidation Meeting, March 14, 2014, Melbourne, Australia

Lockyer J, New thinking on integrating health professions education and practice, Association of Academic Health Centers 2014 International Forum, Beyond Survival: New Management Strategies for Academic Health Centers, April 7 & 8, 2014 Washington DC.

Lockyer J, Measurement and utilization challenges and concerns: What does the research tell us? PAR/MSF National Workshop, May 8 and 9, 2014 Toronto ON.

## **2015**

Lockyer J, History of PAR Research: 1997 to 2015, Medical Council of Canada Invitational Meeting, Jan 13, 2015, Toronto, ON.

Lockyer J, Update on the latest research from the Physician Achievement Review (PAR) program, International Medical Symposium, Five Colleges [Royal College of Physicians and Surgeons of Canada, Royal Australasian College of Surgeons, Royal Australasian College of Physicians, Royal Australian and New Zealand College of Psychiatrists, and Australian and New Zealand College of Anesthetists] March 11, 2015, Melbourne Australia.

Lockyer J, Overview of the literature / psychology of transitions, Career and Transitions Day of International Medical Symposium of Five Colleges in Canada and Australia, [Royal College of Physicians and Surgeons of Canada, Royal Australasian College of Surgeons, Royal Australasian College of Physicians, Royal Australian and New Zealand College of Psychiatrists, and Australian and New Zealand College of Anesthetists] March 12, 2015, Melbourne Australia.

## **2016**

Lockyer J, Multisource feedback: Its evidence and optimization in a CBME Environment, Master Teacher Program, University of Toronto, March 30, 2016.

Lockyer J, Professional identity formation through transitions: Approaches to supporting learners, Master Teacher Program, University of Toronto, March 30, 2016.

Lockyer J, Core principles of assessment in competency-based medical education: Do they provide a viable framework for action? CREST Session, Toronto Western Hospital/University of Toronto, March 31, 2016.

Lockyer J. Multisource Feedback: Optimizing uptake of a structured approach to feedback that uses a learning/change plan to gain a commitment for improvement. HoPingKong Centre for Excellence in Education and Practice, Toronto Western Hospital Rounds, March 31, 2016.

Lockyer J, The R2C2 evidence-based model for feedback and coaching in competency-based medical education, College of Physicians and Surgeons of British Columbia Facilitator Training Program, Dec 2, 2016, Vancouver.

Lockyer J, Millar K, The R2C2 evidence-based model for feedback and coaching in competency-based medical education, PGME Retreat, October 14, 2016, Calgary

Lockyer J, Millar K, Sandhu A, The R2C2 evidence-based model for feedback and coaching in competency-based medical education, Department of Pediatrics Retreat, Nov 20, 2016, Calgary



**2017**

Lockyer J, R2C2 – May the Feedback be with You! - Tips to maximize impact. Cabin Fever, February 11, 2017, Kananaskis, AB

Lockyer J, The R2C2 evidence-based model for feedback and coaching in competency-based medical education as adapted for use with family medicine clinics in Alberta, College of Physicians and Surgeons of Alberta, Edmonton, April 8, 2017.

Lockyer J, McFadyen R, The R2C2 evidence based model for feedback and coaching Training Session, College of Registered Nurses of British Columbia, Vancouver, July 12, 2017.

Lockyer J, Zetkulik MG, The R2C2 Model of Feedback Delivery and Uptake, Institute for Innovations in Medical Education and Research on Medical Education Outcomes, New York University School of Medicine, New York, September 27, 2017

Lockyer J, The R2C2 model: An examination of how the model was developed from theory to practice, Royal College of Physicians and Surgeons of Canada: Research Seminar, Ottawa, October 3, 2017.

Lockyer J, McFadyen R, Continuum of Support Training R2C2 Workshop, College of RNs of British Columbia, October 12, 2017.

Lockyer J, Assessment and feedback in competency based medical education: The theory and research supporting contemporary approaches. Opening of the IDEAS (Innovation, Discovery, Education and Scholarship) Office, Faculty of Medicine and Dentistry, University of Alberta. Edmonton, October 23, 2017.

Lockyer J, Optimizing Coaching and Feedback: Using the R2C2 (relationship, reaction, content, coaching) model to facilitate performance improvement. University of British Columbia Faculty Development, Vancouver, November 30, 2017.

Lockyer J, Facilitated Feedback and Interviewing, College of Physicians and Surgeons of British Columbia, Vancouver December 1, 2017.

**2018**

Lockyer J, Role of Multi-Source Feedback in Evaluating Communications, Professionalism, and Other Competencies, Coalition for Physician Enhancement Programs, Washington, DC, Oct 29, 2018.

Lockyer J, Putting Multi-Source Feedback into Action, Coalition for Physician Enhancement Programs, Washington, DC, Oct 29, 2018.

Lockyer J, Meridith Marks Mentorship Lecture: Contemporary Feedback: Research and Directions, 2018 Health Professions Educational Scholarship Forum, Memorial University of Newfoundland, St John's Newfoundland, November 27, 2018

Lockyer J, The R2C2 evidence based model of feedback and coaching: Building a relationship, exploring reactions and content, and coaching to gain a co-created action and follow-up plan. 2018 Health Professions Educational Scholarship Forum, Memorial University of Newfoundland, St John's Newfoundland, November 27, 2018

## **2019**

Lockyer J, Adopting to Change in the Perspective of an Evolving Profession, Canadian Digestive Diseases Week™ Conference of the Canadian Association of Gastroenterology, Banff, AB, March 3, 2019.

Lockyer J, Physician assessment: What strategies do physicians use to assess themselves? How effective are these strategies in facilitating change? College of Physicians and Surgeons of Alberta: Specialist Consultation Working Group, Calgary, March 4, 2019

Lockyer J, The R2C2 model of feedback and coaching for elective students, clerks and residents: An exploration of how relationships are built, reactions are explored, content is determined and one coaches for change at the end of a clinical activity to facilitate learning and development, Chronic Pain Symposium, Chronic Pain Education Symposia, Calgary, March 6 2019

## **2021**

Lockyer J, Faculty development virtual workshop aimed to enhance feedback conversations between faculty and trainees and to promote the development of actionable trainee individualized learning plans. Via Zoom. Harvard Medical School/Mass General/Brigham, Jan 25 2021.

Lockyer J, Multisource Feedback: Perspective from Canada, Client Focused Evaluation Program (CFEP) National Webinar. Via Zoom. Australia. August 18, 2021.

## **2022.**

Lockyer J, Assessment and Feedback in a Competency Based Era, Grand Rounds, Dalhousie University, Halifax NS. Via Zoom. February 22, 2022

### **ii. Other Presentations (i.e., Orals, Workshops and other Adjudicated Submissions/Presentations)**

## **1984**

The Impact of Conjoint Educational Programming on Patient Care: A Study of One Rural Hospital, First Annual Southern Alberta Canadian College of Health Services Executives Forum: Facing the Challenge of the 80's, September 1984, Calgary

A Study of the Sources of Information Used by Physicians to Implement Changes in Clinical Practice, Society of Medical College Directors of Continuing Medical Education Meeting, April 1984, San Francisco

Adoption of New Clinical Investigations--A Study of the Information Sources Utilized During the Decision Making Process, Research in Medical Education Conference of Association of American Medical Colleges, October 1984, Chicago

### **1985**

Adoption of Innovation by Health Professionals, University of Ottawa Health Administration Forum, August 1985, Ottawa

### **1986**

The Role of the Consultation Process in Physician Learning, Presented at the Research in Medical Education Conference of Association of American Medical Colleges, November 1986, New Orleans

### **1988**

Family Physician Attendance at Short Courses, Presented at Research in Continuing Medical Education III Conference, April 1988, Los Angeles

### **1989**

Assessing the Quality of Residency Programs, K Brownell and J Lockyer, Canadian Association for Medical Education, 2nd Annual Meeting, October 1989. Winnipeg.

Rationale for Physician Decisions: Investigation and Treatment of Hyperbilirubinemia in the Term Neonate, Research in Continuing Medical Education Program, Association of Canadian Medical Colleges, October 1989. Winnipeg.

### **1990**

Does the Research "Fit" the Performance Model, Presented at the Congress on Continuing Medical Education/Research in Continuing Medical Education Program, April 1990, San Antonio, TX.

The Development of a Data Base of Educational Needs for Use in CME Programming, Presented at the Association of Canadian Medical College's Research in Continuing Medical Education Program, October 1990, Ottawa, ON.

Workshop on Stimulated Case Recall Interviews with John Parboosingh, Presented at the Society of Medical College Directors of Continuing Medical Education Fall Meeting, October 1990, San Francisco, CA

### **1991**

Workshop on Doing Evaluation Projects in the CME Office, Presented at the Annual Meeting of the Alliance for Continuing Medical Education, January 1991, San Francisco, CA.

Workshop on Identifying and Using the Educational Influential in CME, with Mel Freedman, Presented at the Annual Meeting of the Alliance for Continuing Medical Education, January 1991, San Francisco, CA.

Plenary Presentation Graduate Clinical Education Program Evaluation, with K Brownell, Presented at the Annual Meeting of the Association of Canadian Medical Colleges, April 1991, Saskatoon, Sask.

Medical Information Service at The University of Calgary, Poster at the Annual Meeting of the Association of Canadian Medical Colleges, April 1991, Saskatoon, Sask.

Effect of Educational Program and Interview on Adoption of Guidelines for the Management of Neonatal Hyperbilirubinemia, Poster at the Annual Meeting of the Association of Canadian Medical Colleges, April 1991, Saskatoon, Sask.

What Do We Know About: Adoption of Innovation, Presented at the Society of Medical College Directors of Continuing Medical Education Fall Meeting, Nov 1991, Washington DC.

### **1992**

Future Directions for CME Research: What Have We Learned in the Last Year? With David Davis, Workshop for the Alliance for Continuing Medical Education, January 1992, New Orleans.

Learning Effective Teaching Techniques: A Key Component of Faculty Development, With Richard Swanson, Workshop for the Alliance for Continuing Medical Education, January 1992, New Orleans.

Methods of Needs Assessment: Questions in Practice, CME Invitational Meeting: Increasing the Effectiveness of Continuing Medical Education, Sponsored by the CMA, Royal College of Physicians and Surgeons of Canada and College of Family Physicians, January 1992, Ottawa.

### **1993**

Important CME Research and Evaluation Studies in 1992, With Deborah Jones, Workshop for the Alliance for Continuing Medical Education, January 1993, Orlando Florida

Personnel Issues in the CME Office: Case Studies, With Susan Duncan and Martyn Hotvedt, Workshop for the Alliance for Continuing Medical Education, January 1993, Orlando Florida

Practice Guidelines for Clinical Practice: What Are They? Can They Change Practice and How Do They Relate to CME: A Review of the Research on Practice Guidelines, Society of Medical College Directors of CME Meeting, May 1993, Tucson Arizona

### **1994**

Telephone Consultation Systems: Taking Advantage of the Teachable Moment, With Robert Kristofco and Nancy Holt, Workshop for the Alliance for Continuing Medical Education, January 1994, San Diego, California

1993 CME Research: A Review of the Year's Publications, With David Davis, Workshop for the Alliance for Continuing Medical Education, January 1994, San Diego, California

Written Surveys, Keynote Presentation and Workshop for Alliance for Continuing Medical Education Needs Assessment Courses, August and September 1994, Chicago, Illinois

Clinical Recall Interviews, Keynote Presentation, Videotape and Workshop for Alliance for Continuing Medical Education Needs Assessment Courses, September 1994, Chicago, Illinois

Faculty Perceptions of their Role as Consultants to Practicing Physicians, Research in Medical Education Program of the Association of American Medical Colleges, November 1994, Boston, Mass

### **1995**

CME Research in 1994, With David Davis, Workshop for the Alliance for Continuing Medical Education, January 1995, Scottsdale, Arizona

Learning Needs Assessment: An Introduction, With John Toews, Workshop for the Alliance for Continuing Medical Education, January 1995, Scottsdale, Arizona

Practical Tips for Evaluation Designs in CME, With Jane Tipping, Workshop for the Alliance for Continuing Medical Education, January 1995, Scottsdale, Arizona

New Directions for CME: How do we Change Physician Behavior? How Should we Measure Life-Long Commitment? With Harrison Visscher, Workshop for the Alliance for Continuing Medical Education, January 1995, Scottsdale, Arizona

Clinical Recall Interviews: A Technique for Practicing Physicians and Residents, Workshop for the Canadian Association for Medical Education, May 1995, Quebec City, PQ.

The Impact of an Educational Intervention on Physician Practices. Alliance for CME Fall Institute on Physician and Patient Outcome Through Continuing Medical Education, Sept 1995, Chicago, Illinois.

Measuring Behavior. Alliance for CME Fall Institute on Physician and Patient Outcome Through Continuing Medical Education, Sept 1995, Chicago, Illinois.

Where is CME Going: A Panel Discussion. Alliance for CME Fall Institute on Physician and Patient Outcome Through Continuing Medical Education, Sept 1995, Chicago, Illinois.

### **1996**

Research in CME: Practical Implications for the CME Provider. Keynote Presentation at the Newcomers Program of the Alliance for CME Meeting, Orlando, Florida, January 1996.

Behavior Change Measurement Following the CME Intervention. Workshop at Alliance for CME Meeting, Orlando, Florida, January 1996.

How to Use Questionnaires for Effective Needs Assessment. Workshop at Alliance for CME Meeting, Orlando, Florida, January 1996.

Attention Deficit Disorder: A Needs Assessment of the Learning Needs of Family Physicians and Pediatricians, Presentation for CME Research Program, Association of Canadian Medical Colleges Meeting, Edmonton, April 1996.

Partnerships in the Provision of CME: Growth Strategies for the Future, Presentation at Canadian Association of Medical Education Program, Association of Canadian Medical Colleges Meeting, Edmonton, April 1996.

Overview of Needs Assessment Methods, Presentation at Alliance for CME Needs Assessment Program, Chicago, June 1996

Questionnaires for Disease or Discipline Specific Directions and Programs, Workshop at Alliance for CME Needs Assessment Program, Chicago, June 1996

Standardized Patients and Clinical Recall Interviews, Workshop at Alliance for CME Needs Assessment Program, Chicago, June 1996

Translating Research into Practice: Panel Discussion and Presentation with Don Moore and David Davis, Society of Medical College Directors of CME Fall Meeting, San Francisco, November 1996.

### **1997**

From Concepts and Questions to Projects and Papers, Research Institute with R Fox, D Davis, P Bashook, and D Moore, Alliance for Continuing Medical Education Annual Meeting, New Orleans, January 1997.

Measuring Outcomes of Practice Guideline Dissemination, Research Institute with L Casebeer, Alliance for Continuing Medical Education Annual Meeting, New Orleans, January 1997.

Alliances in the Provision of CME: Maximizing Your Impact, Research Institute with J Toews, Alliance for Continuing Medical Education Annual Meeting, New Orleans, January 1997.

Performance Measurement, Workshop at Alliance for Continuing Medical Education Annual Meeting, New Orleans, January 1997.

Needs Assessment: An Overview of Methods, Workshop at Alliance for Continuing Medical Education Annual Meeting, New Orleans, January 1997.

Physician Achievement Review Project. Presentation at CME Research Program of ACMC Annual Meeting. Halifax, May 1997

Feasibility and Psychometric Properties of Using Peers, Consulting Physicians, Co-workers, and patients to Assess Physicians, Research Presentation at the Association of American Medical Colleges Annual Meeting, November 1997. Washington DC.

Pre and Post Measurement in Continuing Medical Education, Jocelyn Lockyer and John Toews, Association of American Medical Colleges' Generalist Educators Association Mini-Workshop, November 1997. Washington DC.

### **1998**

Facilitated Discussion on Research in CME at the Canada Day Program of the Alliance for Continuing Medical Education Annual Meeting, San Diego, January 1998.

Evidence-Based Medicine with John Toews, Alliance for Continuing Medical Education Annual Meeting, San Diego, January 1998.

Implementing Practice Guidelines: Interventions that Work with Linda Casebeer, Alliance for Continuing Medical Education Annual Meeting, San Diego, January 1998.

Physician Assessment: The Use of Individualized Needs Assessment for Intensive Courses with Richard Ward, Alliance for Continuing Medical Education Annual Meeting, San Diego, January 1998.

Best Practices in CME: Developing an Academic Profile Through Everyday Work. Panel Discussion and Presentation, Society for Academic CME Spring Meeting, Ottawa, April 1998.

Physician Educational Needs in Osteoporosis: Data Triangulation. Society for Academic CME Spring Meeting, Ottawa, April 1998.

Needs Assessment: Triangulation of Methods and Data with John Toews. Association of American Medical Colleges Meeting—GEA Mini Workshop, New Orleans, November 1998.

### **1999**

Mini Course Introduction to Conducting Needs Assessments in CE. Canada Day Program at Alliance for CME Meeting, Atlanta, GA, Jan 1999.

CME Research in 1998. Canada Day Program at Alliance for CME Meeting, Atlanta, GA, Jan 1999.

Needs Assessments: What method to use, when to combine methods, and how to create linkages to optimize the data available with Elaine Andrews. Alliance for CME Meeting, Atlanta Georgia, Jan 1999.

Evaluation: Tips and tricks to measuring outcome with Richard Ward. Alliance for CME Meeting, Atlanta Georgia, Jan 1999.

A 'MAINPRO-C' Intensive Educational Experience on Attention Deficit Hyperactivity Disorder: Physician Participation in Pre/Post Testing and Outcomes. Society for Academic CME Spring Meeting. San Antonio. April 1999.

Strategic Planning for an Educational Unit. With John Toews. Association of Canadian Medical Colleges/Canadian Association of Medical Education Annual Meeting. Winnipeg. May 1999.

Using Workplace Reflection and Experiences Before and After Classroom-Based Educational Interventions to Improve Professional and Client Outcomes. Workplace Learning Research Unit, University of Calgary Program: How to Keep Your Intellectual Capital, Calgary, May 1999.

The Use of Focus Groups for Faculty Development and CME: From Curriculum Planning to Evaluation with Yvonne Steinert and Linda Snell. Association of American Medical Colleges' Meeting, Washington DC, October 1999.

360° Feedback: What it is and its Potential for Assessing Undergraduate, Resident and Practicing Physicians with John Toews. Association of American Medical Colleges' Meeting, Washington DC, October 1999.

How do Physicians Learn and Change? How can we help them improve their care of patients? University of Calgary Office of CME Program for Pharmaceutical Representatives: Making Continuing Health Education Work for You. Calgary, December 1999

**2000**

Effective Ways to Use Health Care and Physician Performance Data to Guide CME Interventions. Canada Day Program at Alliance for CME Annual Meeting, New Orleans, LA, Jan 2000.

Questionnaires for Needs Assessment and Evaluation. Alliance for CME Annual Meeting, New Orleans, LA, Jan 2000.

Designing Multi Dimensional/Trait (360<sup>0</sup>) Feedback for Physicians, Alliance for CME Annual Meeting, New Orleans, LA, Jan 2000.

Symposium: Beaver Creek: Deciding What to Do. With B Barnes, J Leist, J Green, J Lockyer and C Campbell, Congress on CME, Universal City, April 2000.

Effective Ways to Use Health Care and Physician Performance Data to Guide Continuing Medical Education Interventions, L Casebeer and J Lockyer, Congress on CME, Universal City, April 2000

Clinical Faculty as Volunteers: Why do they volunteer? What sustains them as volunteers? With John Toews and Lynn Beamer, Association of Canadian Medical Colleges, Whistler, May 2000

Commitment to Change Contracts in CME: A Fad or a Valid method of Assessing Outcome. Jocelyn Lockyer, John Toews and John Boothby, Association of American Medical Colleges, Chicago, October 2000

Best Practices in CME: Design and implementation of a multi-site training program with required pre/post activity. Jocelyn Lockyer, John Toews, Rick Ward, Herta Fidler, Society for Academic CME, Chicago, October 2000.

In Service Educational Day for University of Manitoba CME Staff and Faculty: Practical Needs Assessment and Evaluation Strategies, Winnipeg, November 2000

Getting Grand Rounds Accredited: A Guide to Self Assessment, University of Calgary CME Office Session for Faculty Members, November 2000

**2001**

Mini Plenary Session: The Future for the Profession, the Provider Venues, and the CME Professional, Chair for Session, Alliance for CME Annual Meeting, San Francisco, January 2001

Asking Questions Effectively to Determine Outcomes, Alliance for CME Annual Meeting, San Francisco, January 2001

Getting Articles Published in Medical Education Journals, Society of Academic CME, Lexington, April 2001



Small Group Learning: The care and sustenance of 'permanent' communities of learners. With John Premi, Jackie Wakefield, Association of Canadian Medical College's Annual Meeting, Toronto, April 2001

Physician Outcomes Following a MAINPRO-C Course on Erectile Dysfunction. Association of Canadian Medical Colleges' Annual Meeting, Toronto, May 2001

Changing Physician Behavior: How Have We Measured Change in CME? Merck Institute On Aging Conference on Evidence Based Medicine in Geriatrics and Education. Washington DC, June 2001.

Designing Questionnaires, with H Fidler, Society for Academic Continuing Medical Education: Summer Institute for CME Research—Developing Expertise in the Investigation and Evaluation of Physician Learning and Change, Calgary, AB, June 2001.

Using Clinical Data to Assess Performance, with P Mazmanian and B Barnes, Society for Academic Continuing Medical Education: Summer Institute for CME Research—Developing Expertise in the Investigation and Evaluation of Physician Learning and Change, Calgary, AB, June 2001

360 Degree Feedback Systems: Their Potential for Learning and Change, 2<sup>nd</sup> International Conference on Researching Work and Learning, Calgary, AB. July 2001.

Pre/Post Course Assessments: Measurement Tools, With H Fidler, Canadian Association of Continuing Health Education (CACHE), Ottawa, Sept 2001.

A Community/University/Industry-Based Partnership to Improve Osteoarthritis (OA) Care: an Example of MD, Health Professional, and Public Education Programming, with Sherry Robertson, Canadian Association of Continuing Health Education (CACHE), Ottawa, Sept 2001.

Discussion Group Session at Association of American Medical Colleges Meeting on Continuing Medical Education: A new vision of the professional development of physicians." Bennet NL, Davis DA, Easterling WE, Friedman P, Green JS, Koeppen BM, Mazmanian PE, Waxman HS. Acad Med 2000 Dec;75(12):1167-72. Presented with Michael Allen, Joan Sargeant, and Jean Gray. Association of American Medical Colleges Meeting, Washington, DC. Nov 2001

## **2002**

Breakout Session: Questionnaires for Needs Assessment and Evaluation. Alliance for Continuing Medical Education Annual Meeting. Orlando, FL, January 2002.

Workshop: Linking Physician Assessment Programs and CME. With Joan Sargeant, Karen Mann, Dalhousie University; Jocelyn Lockyer, University of Calgary; and François Goulet, Association of Canadian Medical Colleges Annual Meeting. Calgary. April 2002.

Workshop: Can the Theories of Situated Cognition and Communities of Practice Explain How Students and Physicians Learn in Small Groups? With John Toews, Jocelyn Lockyer, Laurie Pereles, Herta Fidler, University of Calgary, Association of Canadian Medical Colleges Annual Meeting. Calgary. April 2002.

Workshop: Adult Learning Theories and Learner Centeredness. With Herta Fidler. Canadian Association of Continuing Health Education Annual Program. Ottawa. September 2002.

Presentation: Dual Track CME: Accuracy and Outcome. Presented at Research in Medical Education Conference, Association of American Medical Colleges. San Francisco. November 2002

Presentation: Levels of Involvement: A Tool for Pre/Post Course Assessment? Society for Academic Continuing Medical Education. San Francisco. November 2002.

### **2003**

Lockyer J and Toews J, Focus Groups: Appropriateness for Needs Assessment? Alliance for CME Annual Meeting, Dallas, TX January 2003.

Lockyer J and Toews J, Small Groups: How to Maximize their Learning Potential. Alliance for CME Annual Meeting, Dallas, TX January 2003.

Lockyer J, Jacques A, Monette C, Toews J, Verma S, Hayes V, Kvern, Principles for Partnerships with the Pharmaceutical Industry—Across the Continuum of Learning, Association of Canadian Medical Colleges, Quebec City, April 2003

Lockyer J, Frank J, Mann K, Sargeant J, Violato C, Using Multi Source Feedback (MSF) to Assess CANMEDS Competencies for Residents and Practicing Physicians, Association of Canadian Medical Colleges, Quebec City, April 2003

Violato C, Lockyer J, Discrepancy in Meta Cognitive Processes: Self and Peer Among Family Physicians and Surgeons, Community Health Sciences Noon Rounds, May 2003.

Violato C, Lockyer J, Discrepancy in Meta Cognitive Processes: Self and Peer Among Family Physicians and Surgeons, Medical Education Seminar Series, Calgary, May 2003.

Lockyer J, Ward R, Fidler H, Toews J, Churcher M, Outcome assessment: Using pre and post course measurements to gain an understanding of course success, 50<sup>th</sup> Annual Conference Canadian Association for University Continuing Education: Focusing on the Future: Progress, partnerships, and possibilities, Calgary, June 2003

Fidler H, Lockyer J, A Discussion of Models and Measurement of Change in Physician Practice, Canadian Association of Continuing Health Education, Halifax, Sept 2003

Lockyer J, CHE 101: Evaluating Programs, Canadian Association of Continuing Health Education, Halifax, Sept 2003

Lockyer J, Toews J, Evidence Base for Adult Education and CME Theories and Practices: Does Evidence or Myth Drive our Practices as Educators? Canadian Association of Continuing Health Education, Halifax, Sept 2003

Lockyer J, Pereles L, Reflection and Reflective Practice: Techniques and Approaches to Facilitating Reflection Amongst Clinical Clerks and Residents, College of Family Physicians of Canada, Family Medicine Forum, Calgary, October 2003

Lockyer J, The development of a strategy to create and sustain family physician anesthesiology practice in rural Canada, Society for Academic Continuing Medical Education, Washington DC, November 2003.

Lockyer J, Campbell C, Mann K, Reflection and Reflective Practice Along the Continuum of Medicine: Examples, Benefits and Challenges, Association of American Medical Colleges' Annual Meeting, Washington DC, November 2003.

## **2004**

Lockyer J, Toews J, Reflection in CME: Is it a fad or sound educational principle? Alliance for CME Annual Meeting, Atlanta GA, Jan 2004

Lockyer J, Wong G, Toews J, Business planning in CME. Alliance for CME Annual Meeting, Atlanta GA, Jan 2004

Lockyer J, Toews J, Curriculum design across the continuum of medical education: Are there differences? Association of Canadian Medical Colleges/Canadian Association for Medical Education 2004 Annual Meeting, Halifax NS, April 2004

Lockyer J, CME Research in Calgary: Medical Council of Canada International Medical Graduate and Alzheimer's and Other Dementia Outcome Projects, ACMC Continuing Medical Education Research Committee Presentations, Association of Canadian Medical Colleges/Canadian Association for Medical Education 2004 Annual Meeting, Halifax NS, April 2004

Lockyer J, Violato C, Conducting a Needs Assessment of Faculty Development, Association of Canadian Medical Colleges/Canadian Association for Medical Education 2004 Annual Meeting, Halifax NS, April 2004

Lockyer J, Specialist multi source feedback: Lessons learned from a psychometric analysis of data from internal medicine and pediatric specialists and psychiatrists. CME Congress 2004: How continuing medical education helps translate knowledge into practice, Toronto, May 2004.

Lockyer J, Toews J, Research evidence or myth: The interface between research and practice. CME Congress 2004: How continuing medical education helps translate knowledge into practice, Toronto, May 2004.

Lockyer J, The Canadian perspective on multi source feedback, in pre-conference half day workshop with Sargeant J, Lockyer J, Mann K, Davies H, McAvoy P, Galbraith R, Blackmore, Using 360-degree assessment for physicians and learners: An international perspective. 11<sup>th</sup> International Conference on Medical Education, Barcelona, Spain. July 2004.

Lockyer J on behalf of Blackmore D, Crutcher R, Ward B, Salte B, Shaw K, Wolfish N, Fidler H, A pilot Program to assess international medical graduates holding limited licenses in Canada, 11<sup>th</sup> International Conference on Medical Education, Barcelona, Spain. July 2004.

Lockyer J on behalf of Fidler H, Hogan DB, Pereles L, Lebeuf C, Wright B, Gerritsen C, Assessing short course outcomes from a three module educational program on Alzheimer's and other Dementias. 11<sup>th</sup> International Conference on Medical Education, Barcelona, Spain. July 2004.

Lockyer JM and Cwinn A, Best practices courses: Taking section 1 activities one-step further. Royal College of Physicians and Surgeons of Canada 2<sup>nd</sup> Accredited Providers Conference. Ottawa. September 2004.

Lockyer J, An examination of physician self-assessment skill, Society for Academic CME Fall Meeting. Boston. November 2004

Lockyer J, An examination of the appropriateness of using a common peer agreement instrument to assess physician skills across specialties. Association of American Medical Colleges Meeting. Boston. November 2004.

Lockyer J, Multi source (360-degree) feedback for assessment and feedback along the continuum. With L Southgate (UK), J Sargeant (Dalhousie) and S Clyman (NBME). Association of American Medical Colleges Meeting. Boston. November 2004.

## **2005**

Lockyer J, The science of CME planning: How will incorporating what we know about CME research impact on course outcomes? Alliance for CME Annual Conference, San Francisco, January 2005

Wong G, Lockyer J, Business plans for CME, Alliance for CME Annual Conference, San Francisco, January 2005

Lockyer J, Development and psychometric assessment of a checklist to assess clinical skill. Presentation at Society of Academic Continuing Medical Education Spring Meeting, Austin TX, April 2005

Lockyer J, Sargeant J, Research Methods in Continuing Medical Education. Workshop for Standing Committee on CME, Saskatoon, SK, April 2005

Sargeant J, Lockyer J, Mann K, and Wright B, Self-assessment throughout the medical education curriculum, Workshop at Association of Faculties of Medicine of Canada Annual Meeting. Saskatoon, SK, May 2005

Lockyer J, Crutcher R, Violato C, Sargeant J, Improving performance evaluation in medical education: Multi source feedback as an option. Workshop at Association of Faculties of Medicine of Canada Annual Meeting. Saskatoon, SK, May 2005

Lockyer J, Crutcher R, Blackmore D, Wolfish N, Salte B, Shaw K, Ward B, and Fidler H, Development and assessment of a multi source feedback evaluation system for physicians new to Canada on special licenses. Research and Development Presentation at Association of Faculties of Medicine of Canada Annual Meeting. Saskatoon, SK, May 2005

Lockyer J, Sargeant J, Clyman S, Archer, Multi source (360 degree) feedback for assessment, feedback and learning across the medical education continuum (workshop), Association for Medical Education in Europe 2005 Meeting, Amsterdam, September 2005.

Lockyer J, Violato C, Fidler H, The development and psychometric assessment of multi source instruments to assess practicing anesthesiologists (short communication), Association for Medical Education in Europe 2005 Meeting, Amsterdam, September 2005.

Wright D, Lockyer J, Mallette N, Development of a multi disciplinary best practice course from needs assessment to implementation, Canadian Association for Continuing Health Education, Calgary, September 2005

Wright D, Lockyer J, Robertson S, Incorporating office systems change strategies into CME programs, Canadian Association for Continuing Health Education, Calgary, September 2005

Lockyer J, Facilitator transition from face-to-face to an on-line learning environment [Research presentation from work with V Curran, J Sargeant, and L Fleet], Society for Academic Continuing Medical Education 2005 Fall Meeting, Washington DC, November 2005

Lockyer J, Sargeant J, Clyman S, Archer J, Davies H, Multi Source (360 degree) Feedback for Assessment and Feedback Along the Continuum, Association of American Medical Colleges Annual Meeting, Washington DC, November 2005

## **2006**

Lockyer J, Holtman M, Clyman S, Multi Source (360-degree) Feedback: The Interface Between Research and Practice, 12<sup>th</sup> International Ottawa Conference (Workshop), New York, May 2006

Lockyer J, Wright B, Armson H, Enhancing Clinical Competence: Transforming Reflection into Action, 12<sup>th</sup> International Ottawa Conference (Workshop), New York, May 2006

Laidlaw T, Lockyer J, Lemire F, Blackmore D, Campbell C, Klass D, Research Presentation: Piloting an instrument to assess physician/patient communication skills: A national strategy. 12<sup>th</sup> International Ottawa Conference, New York, May 2006

Lockyer J, Application of Greenhalgh's diffusion model to continuing health education. Can Assoc for Cont Health Education, St John's NFLD, Sept 2006

Lockyer J, 360-degree assessment: Its role in revalidation. Revalidation Pre-Conference Symposia, Can Assoc for Cont Health Education, St John's NFLD, Sept 2006

Lockyer J, Lemay J-F, Reiter H, and Eva K, the multiple mini interview: A new method of assessing applicants for medical school, Association of American Medical Colleges Annual Meeting, Seattle, Oct 2006.

Sargeant J, Mann KV, Sinclair D, Lockyer J, Moving beyond assessment: Enhancing the educational value of multi source feedback, Association of American Medical Colleges Annual Meeting, Seattle, Oct 2006.

## **2007**

Lockyer J, Sargeant J, Mann K, Strategies for reflection along the continuum: Transforming reflection into action. Association of Faculties of Medicine of Canada, Victoria BC, May 2007

Lockyer J, Violato C, Fidler H, Multi source feedback: A retrospective analysis of the College of Physicians and Surgeons of Alberta—Physician Achievement Review Instruments. Association of Faculties of Medicine of Canada, Victoria BC, May 2007

Lockyer J, Lemay J-F, Brownell K, Collin C, The multiple mini interview: An assessment of validity and reliability, Association of Faculties of Medicine of Canada, Victoria BC, May 2007

Lockyer J, Ward R, Integrating Systems Thinking into CPD: Practical Considerations, Royal College of Physicians and Surgeons of Canada Annual Provider Conference, Winnipeg, September 2007

Mills C, Lockyer J, Tips and tricks for sustainable videoconference programming, Canadian Association for Continuing Health Education, Quebec City, October 2007.

Lockyer J, Sargeant J, Educational and learning theory: What theories are relevant and why? Canadian Association for Continuing Health Education, Quebec City, October 2007.

Lockyer J, Violato C, Fidler H, What Multi Source Feedback Factors Influence Physician Self Assessments? Association of American Medical Colleges Annual Meeting, Washington DC, November 2007

Sargeant J, Eva KW, Mann KV, Lockyer J, Self assessment within a social context, Association of American Medical Colleges, Washington DC, November 2007.

## **2008**

Lockyer J, Top 5 lessons learned from CME literature over the past 20 years, Alliance for Continuing Medical Education Annual Conference, Orlando FL, January 2008

Lockyer, J, Violato C, Fidler H, Graduates of Calgary's 3 year medical school: How are they performing over a 30 year period? Standing Committee on CME Research Morning of Association of Faculties of Medicine of Canada Annual Meeting, Montreal, PQ, May 2008

Lockyer J, Workshop Facilitator for CAME/AFMC Research in Medical Education Workshop, Association of Faculties of Medicine of Canada Annual Meeting, Montreal, PQ, May 2008

Hofmeister M, Lockyer J, Crutcher R, Violato C, The multi mini interview in the assessment of International Medical Graduates for Family Medicine residency Training, Association of Faculties of Medicine of Canada Annual Meeting, Montreal, PQ, May 2008

Lockyer J, Kane G, Learning theories in CME: Their influence on practice, research, and regulations, CME Congress, Vancouver, May 2008

Lockyer J, Violato C, Fidler H, Multi source feedback: A retrospective analysis of the College of Physicians and Surgeons of Alberta—Physician Achievement Review Instruments, CME Congress, Vancouver, May 2008

Llambi L, Margolis A, Toews J, Dapeueto J, Estevez E, Martinez E, Forster E, Arredondo A, Lockyer J, Distance education for physicians: Adaptation of a Canadian experience to Uruguay, CME Congress, Vancouver, May 2008

Lockyer J, Sargeant J, Continuing medical education: Tips for effective course design, Association for Medical Education in Europe, Prague Czech Republic, August 2008.

Sargeant J, Lockyer J, Archer J, Bruce D, Multi-source feedback in medical education : An update on research and practice, Association for Medical Education in Europe, Prague Czech Republic, September 2008.

McIlwrick J, Lockyer J, "It's an incredibly tense, difficult thing"—Psychiatry Resident Perspectives on the Psychiatric Emergency Medicine Rotation, Canadian Psychiatric Association Annual Meeting, Vancouver, September 2008

## **2009**

Lockyer J, Fidler H, de Gara CJ, Keefe J, Learning in a foreign land: The hidden curriculum of practice, Society for Academic Continuing Medical Education Spring Meeting, Rancho Mirage, CA, April 2009.

Lockyer J, de Gara CJ, The 3 p's of mentorship: pedagogy, practicality, politics (workshop), Canadian Conference on Medical Education, Edmonton, May 2009

Lockyer J, Fidler H, de Gara CJ, Keefe J, Learning for Clinical Practice in Alberta: Perceptions of International Medical Graduates and Medical Leaders, Canadian Conference on Medical Education, Edmonton, May 2009

Lockyer J, Using the meeting to further develop your plan, Research in Medical Education Program at the Canadian Conference on Medical Education, Edmonton, May 2009

Lockyer J, Violato C, Fidler H, Research Presentation: A retrospective analysis of a multi source feedback program, Association for Medical Education in Europe, Malaga Spain, September 2009

Lockyer J, Armson H, Workshop: Strategies for high impact faculty development and continuing professional development courses, Association for Medical Education in Europe, Malaga Spain, September 2009

Lockyer J, Armson H, Workshop: Learning theories in medical education: How do theories inform curriculum design and assessment along the continuum of medical education? Association for Medical Education in Europe, Malaga Spain, September 2009

## **2010**

Lockyer J, The critical literature in CPD: What should I read to be current? Linking CHE to Educational Outcomes: Closing the Loop for the Canadian Association of Continuing Health Education Annual Meeting, St John's NL, April 2010

Mills C, Lockyer J, Models for Collaborative Interprofessional CPD educational offerings which both attract and promote community of interest among professionals, Linking CHE to Educational Outcomes: Closing the Loop for the Canadian Association of Continuing Health Education Annual Meeting, St John's NL, April 2010

Lockyer J, Designing the Project, 2010 Scholarship and Innovation in Medical Education Program of the Canadian Association of Medical Education (CAME), Canadian Conference on Medical Education, St John's NL, April 2010

Lockyer J, Armson H, Learning theories in medical education: how do theories inform curriculum design and assessment along the continuum of medical education? Canadian Conference on Medical Education, St John's NL, April 2010

Lockyer J, Singhal N, Schoen E, Helping Babies Breathe Curricula: How much information is required to determine whether a course is successful? Association for Medical Education in Europe, Glasgow, UK, Sept 2010.

Lockyer J, Sargeant J, Learning theories in medical education, How do theories inform curriculum design and assessment along the continuum of medical education? Association for Medical Education in Europe, Glasgow, UK, Sept 2010.

## 2011

Lockyer J, Wycliffe-Jones K, Raman M, Sandhu A, Fidler H, Moving into medical practice in a new community: Supporting the physician through the transition, Society of Academic Continuing Medical Education, New York NY, April 2011

Lockyer J, Sargeant, J, Eva K, Mann K, Armson H, Van der Vleuten C, Dornan T, Holmboe E, Chesluk B, Loney E, *Feedback Sources that Inform Physician Self- Assessment, Canadian Association of Continuing Health Education, Banff, April 2011*[Paper received award for 'best research paper at conference.]

*Lockyer J, Learning Theory as a Basis for Curricular Design (Workshop), Canadian Association of Continuing Health Education, Banff, April 2011*

Topps D, Lockyer J, Ellaway R, Needs-based Personal Learning – jumping off a CLIFF (Clinical Learning Information Friendly Framework), Canadian Conference on Medical Education, May 2011.

Sargeant J, Lockyer J, Mann K, Armson H, Informed self-assessment and feedback: Implications for teaching and learning, Association for Medical Education in Europe, Vienna Austria, Aug 2011

Lockyer J, Curran C, Snell L, Donnon T, Van Melle E, Scholarship and Innovation in Medical Education, Association for Medical Education in Europe, Vienna Austria, Aug 2011

Sargeant J, Armson H, Lockyer J, Using learning theory to inform curriculum design and learning activities, Association for Medical Education in Europe, Vienna Austria, Aug 2011

Lockyer J, Saucier D, Lacasse M, Van Melle E, CAME: Scholarship and Innovation in Medical Education (SIME), International Conference on Residency Education (ICRE), Quebec City, Sept 2011



Chan RF, Hutchison C, Lockyer J\*, Measurement of the operating room educational environment Paper Session: Teaching and Learning in Residency Education, International Conference on Residency Education (ICRE), Quebec City, Sept 2011 [Paper delivered by Dr Chan based on thesis.]

## **2012**

Lockyer J, Oswald A, Campbell C, Career Transition Support: Successful approaches for undergraduates, residents, and entry into practice, Canadian Conference on Medical Education, Banff, April 2012

Sargeant J, Lockyer J, Armson H, Informed self-assessment and performance feedback: Implications for teaching and learning in clinical settings, Canadian Conference on Medical Education, Banff, April 2012

Lockyer J, Bourgeois-Law G, Campbell C. Workshop: Transitions in Practice: The evidence and practice of supporting physicians as they move through their careers, Congress on CME, Toronto Ontario, May 2012

Lockyer J, Curran V, Sargeant J, Hodgson C, Donnon T, Mann K, Scholarship and Innovation in Medical Education Workshop, Association for Medical Education in Europe, Lyon France, August 2012.

Sargeant J, Holmboe E, Lockyer J, Mann K, Informed self-assessment and performance feedback: Translating research into enhanced teaching and learning (Workshop), Association for Medical Education in Europe, Lyon France, August 2012.

Bourgeois-Law G, Lockyer J, Scott I, Dealing with transition from medical school entry to retirement (Workshop), Association for Medical Education in Europe, Lyon France, August 2012.

Lockyer J, Mann K, Sargeant J, Continuing Medical Education: Obtaining and measuring CME course outcomes, Association for Medical Education in Europe, Lyon France, August 2012.

## **2013**

Sandhu A, Lockyer, Managing the mayhem: How to lead successful family-centred bedside ward rounds on a clinical teaching unit, Workshop, Canadian Conference on Medical Education, Quebec City, April 2013

Sargeant J, Mann K, Armson H, Lockyer J, Silver I, Facilitating performance feedback to promote physician practice improvement: Implications for undergraduate and postgraduate medical education, Workshop, Canadian Conference on Medical Education, Quebec City, April 2013

Lockyer J, Sargeant J, Multisource feedback: designing a program to meet criteria for a 'good assessment tool, Workshop, Canadian Conference on Medical Education, Quebec City, April 2013

Violato C, Lockyer J, Fidler H, Multisource feedback to assess Can MEDS roles of surgeons, Research presentation, Canadian Conference on Medical Education, Quebec City, April 2013

Lockyer J, Violato C, Fidler H, Trueman G, Faremo S, Lee T, Fisher B, Hodgson C, Dafoe W, Yiu V, and Theman T, Does teaching make you a better physician? Research Presentation. Standing Committee on Continuing Professional Development, Quebec City, April 2013.

Lockyer J, Mann K, Donnon T, Hodgson C, MacLeod A, Pre-Conference Full Day Workshop: Scholarship and innovation in medical education: A practical workshop on developing a project for peer review and dissemination, Association for Medical Education in Europe. Prague, CZ. Aug 28, 2013

Lockyer J, Sargeant J, Mann K, Workshop: Continuing medical education and professional development: Designing effective short courses with measureable outcomes. Association for Medical Education in Europe. Prague, CZ. Aug 26, 2013  
<http://www.amee.org/documents/AMEE%202013%20ABSTRACT%20BOOK%20-%20updated%20190813.pdf> Page 215, 4R

Goldzmidt M, Lieff S, Lockyer J, Workshop: Engaging faculty in education scholarship, Association for Medical Education in Europe. Prague, CZ. Aug 26, 2013  
<http://www.amee.org/documents/AMEE%202013%20ABSTRACT%20BOOK%20-%20updated%20190813.pdf> page 301 5R

Sargeant J, Holmboe E, Mann K, Lockyer J, Silver I, Driesseen E, Workshop: Evidence-based facilitated feedback: a model to enhance feedback acceptance and use. Association for Medical Education in Europe. Prague, CZ. Aug 27, 2013  
<http://www.amee.org/documents/AMEE%202013%20ABSTRACT%20BOOK%20-%20updated%20190813.pdf> page 480 8V

Lockyer J, Violato C, Lee TZU, Faremo S, Hodgson C, Fisher B, Short research communication: Does teaching make you a better physician? Association for Medical Education in Europe. Prague, CZ. Aug 28, 2013 (short research communication)  
<http://www.amee.org/documents/AMEE%202013%20ABSTRACT%20BOOK%20-%20updated%20190813.pdf> Page 663, 10N/4

Fisher BW, Lockyer J, Violato C, Lee T, Faremo S, Hodgson C, Does teaching make you a better physician? International Conference on Residency Education, Delivered by B Fisher. Research Paper. Sept 27, 2013, Calgary AB.

Van Melle E, Goldszmidt M, Lockyer J, Curran V, Lieff S, St Onge C, Toward a common understanding: Advancing education scholarship for clinical faculty. International Conference on Residency Education, Delivered by E Van Melle. Research Paper. Sept 27, 2013. Calgary AB.

Sandhu, AK, Lockyer J, Leading educationally effective family-centred bedside ward rounds: It's all about the manager? International Conference on Residency Education, Delivered by A Sandhu. Research Paper. Sept 27, 2013. Calgary AB.

## 2014

Trueman G, Lockyer J, Hecker K, Beran T, Nordstrom P, Co-workers and Physician Multisource Feedback, Canadian Conference on Medical Education and Ottawa Conference. Delivered by G Trueman. Research Paper, April 28, 2014. Ottawa ON.

Lockyer J, Sargeant J, Campbell J, Xhignesse M, Mann K, Multisource feedback: its controversies and challenges in providing feedback to practicing physicians. Symposium. Canadian Conference on Medical Education and Ottawa Conference. April 28, 2014. Ottawa ON.

Lockyer J (Lead), Donnon T, Hodgson C, MacLeod A, Mann K, van Melle E, Scholarship and Innovation in Medical Education Full Day Workshop, Association of Medical Education--Europe, August 30, 2014. Milan Italy

Lockyer J, Learning Theory and Continuing Professional Development, Essential Skills for Continuing Education and Professional Development (key note presentation). Held in conjunction with Association of Medical Education--Europe, August 31, 2014. Milan Italy

Horsley T, Lockyer J, Burse F, Cogo E, Zeiter J, Campbell C. Affirmation of Continued Competence of Physicians in Practice: A Scoping Review (short paper), Association of Medical Education Europe, September 1, 2014, Milan Italy.

Lockyer J, Mann K, Measuring Outcomes in Continuing Medical Education and Professional Development (workshop), Association of Medical Education Europe, September 2, 2014, Milan Italy.

Mann K, Lockyer J, Silver I, Holmboe E, Sargeant J, Evidence-based facilitated feedback: Using the R-2 C-2 model to enhance feedback acceptance and use (workshop). Association of Medical Education Europe, September 2, 2014, Milan Italy.

## **2015**

Lockyer JM, Van Melle E, Lief S, Making education scholarship count: Considerations in disseminating your work, Royal College of Physicians and Surgeons of Canada: International Conference on Residency Education, October 24, 2015, Toronto Ontario

Lockyer J, Sargeant J, Mann K, Silver I, Soklaridis S, Practicing an evidence-based model for feedback in competency-based medical education, Canadian Conference on Medical Education, April 26, 2015, Vancouver BC

Sargeant J, Mann K, Lockyer J, Holmboe E, Using the United Kingdom—Medical Research Council guidelines for studying complex interventions: a helpful model for studying educational innovations? Canadian Conference on Medical Education, April 26, 2015, Vancouver BC

Lockyer J (Lead), Hodgson C, Touchie C, St-Onge C, Scholarship and Innovation in Medical Education Half-Day Workshop, Association of Medical Education--Europe, September 5, 2015. Glasgow, UK.

Lockyer J, Educational Theory, Essential Skills for Continuing Education and Professional Development (key note presentation). Held in conjunction with Association of Medical Education--Europe, September 5, 2015. Glasgow, UK

Holmboe E, Sargeant J, Warren A, Lockyer J, Practicing an evidence-based model for feedback in competency-based medical education, Workshop, Royal College of Physicians and Surgeons of Canada, International Conference on Residency Education, Vancouver, October 24, 2015.

## 2016

Lockyer J, Silver I, de Groot J, Professional Identity Among Practicing Physicians: A Fresh View Through a Deep Lens. Workshop. World Congress on Continuing Professional Development San Diego. March 19, 2016

Armson, H, Zetkolic M, Sargeant J, Lockyer J, Coaching for performance change in residency education: How does it differ from feedback? Workshop. Canadian Conference on Medical Education. Montreal. April 18, 2016

Ross K, Mann K, Boudreau M, Sargeant J, Lockyer J, Approaches to assessment and feedback in residency programs: Results of site interviews from a five-site case study. Canadian Conference on Medical Education. Montreal. April 19, 2016

Lockyer J, Sargeant J, I Silver, Brenneis F, Support for educators and leaders through difficult and adversarial experiences, Canadian Conference on Medical Education. Montreal. April 19, 2016

Lockyer J, Sargeant J, Cooke L, Richards S, Campbell J, Rivera L, Narrative comments for multisource feedback: An approach to guiding development of CanMEDS competencies (oral), Summit on Competency Based Medical Education, Barcelona, August 27, 2016

Lockyer J, Bursey F, Richardson D, Continuing medical education/professional development within a competency based medical education framework (Workshop). Summit on Competency Based Medical Education, Barcelona, August 28, 2016

Lockyer J, Sargeant J, Cooke L, Richards S, Campbell J, Rivera L, Multisource feedback narrative comments: An examination of formats and alignment with CanMEDS (oral), Association for Medical Education Europe, Barcelona, August 29, 2016

Sargeant J, Mann K, Lockyer J, Zetkolic M, Soklaridis S, Driessen E, Testing a feedback model in residency education: does it foster interaction, reflection and planning for change? (oral) Association for Medical Education Europe, Barcelona, August 30, 2016

Ross K, Mann K, Bourdeau M, Sargeant J, Lockyer J, Soklaridis S, Approaches to assessment and feedback in residency programs: Results of site interviews from a five-site case study (oral), Association for Medical Education Europe, Barcelona, August 31, 2016

Lockyer J, Touchie C, Holmboe E, Core principles of assessment in competency based medical education (workshop), International Conference on Residency Education, Niagara Falls, ON, September 30, 2016.

**2017**

Lockyer J, Sargeant J, Silver I, Zetkolic MG, Conducting scholarly work across multiple institutions, multiple sites, and multiple programs: Strategies for optimizing success, Canadian Conference for Medical Education, Winnipeg, April 30, 2017.

Lockyer, Silver I, Sargeant J, Support for educators and leaders through difficult decisions in high stakes assessments, Canadian Conference for Medical Education, Winnipeg, May 2, 2017.

Lockyer J, Chan M-K, Unconference Facilitator: Changing times, how do we keep up with faculty development in a constantly changing world. Canadian Conference for Medical Education, Winnipeg, May 1, 2017.

Lockyer J, Bruce D, Individual CPD, Essential Skills in Medical Education: CPD, Pre-Conference, Association for Medical Education Europe, Helsinki Finland, August 26, 2017

Kelly M, Lockyer J, Dornan T, Yardley S, Arranged marriage or match made in heaven: what makes for successful mentorship? Association for Medical Education Europe, Helsinki Finland, August 28, 2017

Lockyer J, Warren A, Holmboe E, Zetkolic MG, Optimizing coaching and feedback: Using the R2C2 (relationship, reaction, content, coaching) model and learning change plan to facilitate performance improvement. Royal College of Physicians and Surgeons of Canada: International Conference on Residency Education, Quebec City, October 26, 2017.

Haber J, Lockyer J, Strategies to enhance teaching and assessment of situational awareness. Royal College of Physicians and Surgeons of Canada: International Conference on Residency Education, Quebec City, October 27, 2017.

**2018**

Roy M, Lockyer J, Sargeant J, Pre-Conference Workshop: Giving and receiving feedback in the context of CBME: Exploring the use of multisource feedback (MSF) reports to have feedback conversations about collaboration, communication, and professionalism, Canadian Conference on Medical Education, Halifax, NS, April 28, 2018

Kelly M, Lockyer J, Epstein I, Workshop: Sharing skills for effective and successful mentoring, Canadian Conference on Medical Education, Halifax, NS, April 29, 2018

Roze des Ordons A, Lockyer J, Workshop: Who wants feedback? Adapting feedback conversations to learners. Canadian Conference on Medical Education, Halifax, NS, April 30, 2018

**2019**

Lockyer J, Assessment activities, learning and change: An exploration of documented assessment activities and outcomes by Canadian gastroenterologists, Office of Health and Medical Education Scholarship Symposium, Calgary, February 20, 2019.

## X PUBLICATIONS

### i. Peer reviewed manuscripts

1. Johnston MA, Hyldebrandt N and Lockyer J. One small step. Canadian Family Physician 1976;22:1081-1087
2. McDougall GM, Lockyer JM, and Cockroft L. Review of residency programs. Journal of Medical Education 1981;6(10):877
3. Lockyer J, McDougall GM, and McLeod L. Residency training in family practice: how many residents, faculty and rotations? Canadian Family Physician 1982;28:1648-1651
4. Lockyer J and McDougall G. Resident hours of work: how many are enough? Annals of the Royal College of Physicians and Surgeons of Canada 1982;15(6):508-512
5. Parboosingh J, Lockyer J, McDougall G and Munro M. A conjoint medical/nursing diabetes education program: impact on care in a rural community. Mobius: A Journal for Continuing Education in the Health Professions 1983;3(3):7-11
6. McDougall G, Lockyer J, Anholt L and Cockroft L. Two years of pre-licensure training: observations from the Alberta experience. Canadian Family Physician 1983;29:1224-1235
7. Guillemain EJ, Parboosingh IJ, Lockyer J, McDougall G, McKiel RE and Munro M. Medical nursing project in clinical management. Canadian Journal of University Continuing Education 1983;IX (2):58-61
8. Lockyer JM, Parboosingh J, McDougall GM and Chugh U. Physician adoption of new clinical investigations: a study of the information sources utilized during the decision making process. Research in Medical Education: Proceedings of the Twenty-second Annual Association of American Medical Colleges Conference 1984;225-230
9. Parboosingh J, Lockyer JM, McDougall GM and Chugh U. How physicians make changes in their clinical practice: a study of physicians' perception of factors which facilitate the process. Annals of the Royal College of Physicians and Surgeons of Canada 1984;17(5):429-435
10. Lockyer JM, Parboosingh IJT, McDougall GM and Chugh U. How physicians integrate advances into clinical practice. Mobius: A Journal for Continuing Education in the Health Professions 1985; 5(2):5-12
11. Parboosingh J and Lockyer J. Physician consultation practices in small rural communities. Research in Medical Education: Proceedings of the Twenty-third Association of American Medical Colleges Conference 1985;219-224
12. Lockyer J, Parboosingh J. The role of the consultation process in physician learning. Research in Medical Education: Proceedings of the Twenty-fourth Annual Association of American Medical Colleges Conference 1986;151-156

13. Parboosingh J, Maes W, Lockyer J, and Bauer J. Teaching physicians to use a literature retrieval service for clinical information: a feasibility study. *Annals of the Royal College of Physicians and Surgeons of Canada* 1986;19(4):273-277
14. Lockyer JM and Parboosingh IJT. Nurse's perceptions of inter and intra professional relationships: an analysis of support from nursing and physician colleagues in rural hospitals. *The Journal of Rural Health* 1987;3(1):31-38.
15. Lockyer JM, Parboosingh IJ, and McDowell AC. Teleconferencing and the continuing education preferences of physicians and nurses in rural areas. *Mobius: A Journal for Continuing Education in the Health Professions* 1987;7(3):53-58.
16. Parboosingh IJ, Lockyer JM, and McDowell AC. CME teleconferences. *Journal of Medical Education* 1987;62(9): 785-786.
17. McDowell CA, Challis EB, Lockyer JM, White L, Adams K, and Parboosingh IJ. Teleconferencing continuing medical education programs to rural physicians: The University of Calgary teleconference program, *Canadian Family Physician* 1987; 33:1705-1708.
18. Parboosingh J, Avard D, Lockyer J, Watson M, Pim C and Yee J. The use of clinical recall interviews as a method of determining needs in continuing medical education, *Research in Medical Education: Proceedings of the Twenty-fifth Association of American Medical Colleges Conference* 1987; 103-108.
19. McKiel RE, Lockyer JM, and Pechiulis DD. A model of continuing education for conjoint practice. *The Journal of Continuing Education in Nursing* 1988;19(2):65-68.
20. Lockyer J, Jennett P, Parboosingh J, and Maes W. Raising questions in clinical practice. *The Journal of Continuing Education in the Health Professions* 1988;8(1):21-26
21. Lockyer J, Jennett P, Parboosingh J, McDougall G, and Bryan G. Family physician registration at locally produced courses. *Canadian Medical Association Journal* 1988;139(12):1153-1155.
22. Jennett PA, Parboosingh IJT, Lockyer JM, Maes WA and Paul CA. A pilot study of a medical information system for family physicians in practice. *Journal of Medical Education* 1988; 63(3):193 - 195
23. Jennett P, Parboosingh J, Lockyer J, and Maes W. Practice generated questions: A method of formulating true learning needs for family physicians. *Canadian Family Physician* 1989;35(3):497 - 500.
24. Jennett P, Parboosingh IJT, Maes W, and Lockyer JM. The management of medical knowledge and information overload in rural practice: can a medical information system help? *Research in Medical Education: Proceedings of the Twenty-eighth Association of American Medical Colleges Conference* 1989;63 - 68
25. Lockyer JM and Brownell AKW. Evaluation of a Program to Train Saudi Arabian Physicians. *Academic Medicine* 1990;65 (12): 778-779.
26. Strother R, Dhanani N, and Lockyer J. Education in sports medicine: a resident perspective. *Canadian Family Physician* 1990, 36:1966-1970.

27. Jennett PA, Parboosingh IJ, Maes WR, Lockyer JM, and Lawson D. A medical information networking system between practitioners and academia. *The Journal of Continuing Education in the Health Professions* 1990;10:237-243.
28. Jennett PA, Lockyer J, Maes WR, Parboosingh J, and Lawson D. Providing relevant information to rural practitioners: a study of a medical information system, *Teaching and Learning in Medicine* 1990;2(4):200-204.
29. McMillan DD, Lockyer JM, Magnan RN, Akierman A, and Parboosingh, JT. Effect of educational program and interview on adoption of guidelines for the management of neonatal hyperbilirubinemia. *Canadian Medical Association Journal* 1991; 144(6):707-712.
30. Lockyer JM and Brownell AKWB. Residency internal reviews: cross program information, time required and benefits. *Annals of the Royal College of Physicians and Surgeons of Canada* 1991; 24(2):125-128.
31. Lockyer JM, McMillan DD, Magnan L, Akierman A, and Parboosingh JT. Stimulated case recall interviews applied to a national protocol for hyperbilirubinemia. *The Journal of Continuing Education in the Health Professions* 1991;11(2):129-137
32. Jennett PA, Kishinevsky M, Parboosingh IT, Lockyer JM, and Maes WR. Responses to non-emergency questions in rural medicine: their usefulness to practice decisions. *Medical Education* 1991, 25:238 - 142
33. Lockyer JM, Strother R, Gondocz T, and Bell GD. Sports medicine: what family physicians see and what they need to learn. *Canadian Family Physician* 1992; 38:67-71.
34. Lockyer JM. Physician performance: the role of knowledge, skill and environment. *Teaching and Learning in Medicine* 1992; 4(2):86-96.
35. Singhal N, McMillan DD, Lockyer JM, Gondocz ST, Shukla AK, and Swaby C. Attitudinal and resource changes after a neonatal resuscitation training program. *Neonatal Network: The Journal of Neonatal Nursing* 1992; 11(4):37-40.
36. Lockyer J. What do we know about adoption of innovation? *The Journal of Continuing Education in the Health Professions* 1992; 12(1):33-38.
37. Lockyer JM and Gill MJ. Bridging the gap: educational theory, research and CME practice--HIV infection programming as a case report. *The Journal of Continuing Education in the Health Professions* 1992; 12(2):83-88.
38. Chugh U, Dillmann E, Kurtz SM, Lockyer J, and Parboosingh J. Multicultural issues in medical curriculum: implications for Canadian physicians. *Medical Teacher* 1993;15(1):83-91
39. Lockyer JM and Brownell AKW. A study of medical students' career decision-making at The University of Calgary. *Annals of the Royal College of Physicians and Surgeons of Canada* 1993; 26(2):86 - 88.
40. Wiley JP, Strother RT, Lockyer JM. Sports medicine electives: are they available in Canadian family medicine programs? *Canadian Family Physician* 1993; 39:1742 - 1745.



41. Toews JA, Lockyer JM, Dobson DJG, and Brownell AK. Stress among residents, medical students, and graduate science (MSc/PhD) students, *Academic Medicine* 1993; 68(10):S46-S48.
42. Becker WJ, Brownell AKW, and Lockyer J. Quality assurance education in residency education programs at the University of Calgary. *Annals of the Royal College of Physicians and Surgeons of Canada* 1993;26(5):288 - 290.
43. Kinsella D, Lockyer J and Brownell K. Ethics training for residents. *Academic Medicine* 1994; 69(5):432.
44. Lockyer J, Clinical practice guidelines and the CME office. *Journal of Continuing Education in the Health Professions* 1994; 14(1):46-55.
45. Pereles L, Lockyer J, Parboosingh J, Meyers G. The evolution and evaluation of a physician interest group in geriatric continuing medical education. *Journal of Continuing Education in the Health Professions* 1994; 14(2):101 - 109.
46. Lockyer J, Strother R, and Wiley P. Centralized Family Practice Curricula: The Canadian Experience. *Academic Medicine* 1994; 69(3):211.
47. Lockyer JM, Juschka BB, Rajwani A and Gill J. A patient survey to identify CME learning needs. *Academic Medicine* 1994; 69(8):651-2.
48. Lockyer J, Woloschuk W, Hayden A, McCombs B, and Toews J, Faculty perceptions of their role as consultants to practicing physicians, In *Proceedings of the Thirty-third Annual Conference on Research in Medical Education*. *Academic Medicine* 1994; 69 (10--Supplement):S13-15.
49. Toews JA, Lockyer JM, Brownell AKW, Dobson DJG. Stress and resiliency among residents. *Annals of the Royal College of Physicians and Surgeons of Canada* 1994; 27 (5):272-274.
50. Johnston D and Lockyer J. A comparison of two needs assessments methods: Clinical recall interviews and focus groups. *Teaching and Learning in Medicine* 1994; 6(4):264 - 268.
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