



Ian Shrier, MD, PhD, Dip Sport Med, FACSM

Curriculum Vitae

Centre for Clinical Epidemiology
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LANGUAGES

Fluent in English and French

EDUCATION

Medical Training

Doctor of Medicine (M.D.C.M.): McGill University, Montreal; June 1985;

Postgraduate Education

Research

- Epidemiology (Post-Doctoral Training): McGill University, Montreal; September 1995-1997
- Physiology (Ph.D, Dean's Honour List): McGill University, Montreal; September 1989-1993.

Clinical

- Rotating Internship: Jewish General Hospital, Montreal; July 1985 - June 1986.

POSITIONS AND APPOINTMENTS

University

- Adjunct Professor, Sports Medicine, Faculty of Health Sciences, University of Southern Denmark (2016-present)
- Associate Professor, Department of Family Medicine, Faculty of Medicine, McGill University (2006-present)
- Assistant Professor, Department of Family Medicine, Faculty of Medicine, McGill University (1993-2006)
- Associate Member, Joint Departments of Epidemiology and Biostatistics, and Occupational Health, McGill University (2001-present)
- Associate Member (Teaching), Department of Physiology, Faculty of Medicine, McGill University (1995-2001)

Hospital

- Director, Consultation Service for the Centre for Clinical Epidemiology and Community Studies Department of the Jewish General Hospital (1998-2006)
- Member of the Centre for Clinical Epidemiology and Community Studies Department of the Jewish General Hospital (1996-present)
- Member of Jewish General Hospital Medical Ethics Committee (July 1995-1996)
- Co-ordinator of Resident Research, Herzl Family Practice Centre, Jewish General Hospital, McGill University (1993-1996)

Other

- Member, FIFA Medical Center of Excellence, Montreal Canada (2016-present)
- Director, Cochrane Collaboration Trading Company (2014-present)
- Consulting Medical Director, Cirque du Soleil (2008-present)

- Founder and President, Savoir Faire Consultants Inc (1987-present)

SPECIAL HONORS, AWARDS, RECOGNITION

- 2001: Became Fellow of the American College of Sport Medicine
1998: Co-winner of Ann Wechsler Award for Best Teacher in the Department of Physiology, McGill University
1996: Best Presenter at the 1996 Annual Symposium of the Canadian Academy of Sport Medicine (English)
1996: Ann Wechsler Award for Best Teacher in the Department of Physiology, McGill University
1995: Prix d'Excellence de la 7ième Journée Québécoise de la Recherche en Médecine Familiale (**Shrier I.** Treatment of lateral collateral ligament sprains of the ankle: A critical appraisal of the literature)
1993: Nominated by Physiology Department for McGill Gold Medal (best Ph.D. thesis)
1991: The Canadian Society for Clinical Investigation Trainee Award
1991: Syntex Travel Fellowship for commitment to sports medicine
1981: J.W. McConnell Scholarship and Faculty Scholar status for academic excellence.

TEACHING

McGill Courses

Undergraduate

- Course-co-ordinator and lecturer for “(The) Body Matters”, an integrative Sport Medicine Course for non-science students, McGill University, 1998 1999, 2000, 2001.
- Cardiovascular Physiology III: McGill University 313B, Feb 1995, Feb 1996, Apr 1997, Mar 1998, Mar 1999, Mar 2000, Mar 2001.
- Exercise Physiology: McGill University Physiology 210B [formerly 211D, Feb 1992, Feb 1993, Feb 1994, Jan 1995, Jan 1996, Jan 1997, Feb 1998, Feb 1999, Mar 2000, Mar 2001] and 202B, Mar 1992.
- Muscle Fatigue: Guest lecturer McGill University, Advanced Exercise Physiology Course, Mar 1991, Apr 1992, Apr 1993, Apr 1994, Apr 1995, Mar 1996, Mar 1998, Mar 1999, Mar 2000, Mar 2001.
- Exercise Physiology: Guest Lecturer, McGill University Physiotherapy Department, Mar 1998.
- Head Trauma: Guest Lecturer Concordia University Exercise Science Students Oct 1996, Jan 1996-88.
- Physiology Laboratory Course (Exercise Section): McGill University Physiology 212D, Feb 1997.
- Exercise is the Best Therapy: Guest Lecturer Concordia University Exercise Science Students Jan 1996.
- Control of Venous Return and Cardiac Output: McGill University Med I Physiology Tutorial Session, Oct 1989-93.
- Muscle Cramps: Guest lecturer McGill University, Advanced Exercise Physiology Course, Apr 1990.

Graduate and Post-graduate medicine

- Causal Diagrams: The basic science of Epidemiology: In EPIB-600 (Course in Clinical Epidemiology), McGill University, May 2016.
- Principal stratification and instrumental variables: In: EPIB-610 (Advanced Methods: Causal Inference), McGill University, Feb 2014
- An approach to the musculoskeletal system: Lecture to Jewish General Hospital Family Medicine Residents, Jewish General Hospital, Jan 2014.
- Validity of different inclusion criteria for systematic reviews. In: EPIB-672: Systematic Reviews and Meta-analyses (2007, 2008)
- Variation among experienced reviewers in the interpretation of the evidence from RCTs: In: EPIB-672: Systematic Reviews and Meta-analyses (2007, 2008)
- Epidemiology small group sessions: Small group session course to McGill medical students (2006)
- Causal Inference Group: Informal seminar series organized by the Department of Epidemiology and Biostatistics graduate students (2005-06)
- Back Pain: Lecture to Jewish General Hospital Family Medicine Residents 2001
- ICU Critical Appraisal Session: Meta-analyses on fluid replacement. Mar 27, 2000.
- Exercise is the best medicine: Faculty Development for Herzl Family Practice Centre, Feb 1998.
- Evidence-based medicine: 6 week small group sessions, developed and created by myself (1997)
- Muscle Cramps: McGill University Emergency Medicine Rounds, Jun 1997.
- Muscle Cramps: McGill University Sport Medicine Rounds, Apr 1996.
- Back Pain: Lecture to Jewish General Hospital Family Medicine Residents 1994
- Low Back Pain: Lecture to Family Medicine Residents Queen Elizabeth Hospital, Montreal (Sep 1988)

CME

- Approach to musculoskeletal injuries. Department of Family Medicine, Jewish General Hospital, McGill University Jan 2014
- Cervical Spine Injuries. Advanced Team Physician Course, Las Vegas 2013
- Shoulder Injuries. Department of Family Medicine, Jewish General Hospital, McGill University Nov 2013
- Shoulder Pain. Thursday Evening Lecture Series, Faculty of Medicine, McGill University, Mar 2013
- Preventing and managing musculoskeletal injuries. McGill 63rd Annual Refresher Course for Family Physicians, Nov 2012
- Cervical spine stabilization workshop. Canadian Academy of Sport and Exercise Medicine Annual Symposium, St. John's Newfoundland Canada, Jul 2011
- Sports Injuries: Video conference to McGill associated physicians from rural areas, Jan 2007
- Sports Injury – Shoulder: Thursday Evening Lecture Series, McGill University Oct 2006
- Osteoarthritis: Time to hang ‘em up?: McGill Department of Family Medicine Rounds, St-Mary's Hospital, Montreal Mar 2006
- Stretching the Truth. Respiratory Department, Jewish General Hospital, Montreal, Mar 2006

- Back Pain – Teach a man to fish. Thursday Evening Lecture Series, McGill University Oct 2005
- Systematic reviews: An approach to validating inclusion criteria and analytical approaches. Montreal Children’s Hospital, McGill University Jan 2005
- Systematic reviews: An approach to validating inclusion criteria and analytical approaches. Department of Epidemiology, Biostatistics and Occupational Health, McGill University Jan 2005
- Systematic reviews: An approach to validating inclusion criteria and analytical approaches. Division of Epidemiology, Montreal General Hospital, McGill University Health Centre Nov 2004
- The acute and chronic effects of stretching: Consistency among animal, human performance and injury epidemiology data?. Centre for Clinical Epidemiology and Community Studies, Jewish General Hospital, Jan 2004
- Evidence-based Medicine – whose evidence is it anyway? Department of Family Medicine Research Rounds, McGill University Nov 2002.
- Soft-tissue injury and healing. Hôpital Notre-Dame, Sep 2002.
- Who’s afraid of the big bad back pain? Department of Family Medicine, Jewish General Hospital, May 2002.
- Prescribing Exercise for your Patients: Respiriology Department, Jewish General Hospital, Montreal, Feb 2002.
- An approach to the musculoskeletal system: Department of Family Medicine, Jewish General Hospital, Jan 2002.
- Back Pain: Lecture to Jewish General Hospital Family Medicine Residents 2001
- Les exercices pour le cou et les membres supérieurs: L’appareil locomoteur, la santé au travail. Fédération des Médecins Omnipraticiens du Québec, Montreal Nov 15-16, 2001.
- Les exercices pour le dos: L’appareil locomoteur, la santé au travail. Fédération des Médecins Omnipraticiens du Québec, Montreal Nov 15-16, 2001.
- Exercise Prescription: The Healthy Patient. Musculoskeletal problems and exercise prescription in Family Practice, Jewish General Hospital Department of Family Medicine, May 25, 2001.
- Exercise Prescription: Knee and Ankle. Musculoskeletal problems and exercise prescription in Family Practice, Jewish General Hospital Department of Family Medicine, May 25, 2001.
- Getting The Most Out Of Your Patient Database: Quebec Family Medicine Teachers Association, Jun 1997.
- How to examine the shoulder: CME rounds Jewish General Hospital Family Medicine Department 1997
- An approach to the musculoskeletal system: 45th Annual Refresher Course for Family Physicians, Montréal Nov, 1994

Research Trainees Supervised

Post-graduate medicine

1. Jorge Trejovargas (2016-present): Masters in Statistics (co-supervise with Russell Steele)
2. Meng Zhao (2015-present): Masters in Statistics (co-supervise with Russell Steele)

3. Pavel Slavchev (2016-present): Masters in Statistics (co-supervise with Russell Steele)
4. Alexandre Piche (2015-present): Masters in Statistics (co-supervise with Russell Steele)
5. Gavin Hamilton (2008-2010): Masters Thesis in Epidemiology (co-supervisor)
6. Christina Orlando (2008-2009): Masters Project in Epidemiology
7. Marie Claire Gaudet (2001-2005): Masters Student in Epidemiology
8. Christian Vaillancourt MD (1998-2000): series of original research articles published
9. Jeff Franc-Law MD (1995-97): case-series article published.
10. Paul Druzin (1994-96): original research published
11. Dan Somogyi MD (1994-96): original research published as co-author
12. Stephanie Green MD (1993-95): original research published
13. Sylvie Jones MD (1993-94): Original research published

Undergraduate

1. Fatoumata Sylla (2015-2016): McGill Medicine First Year research mentoring
2. Mathieu Boudier-Revéret (2010: First-year medical student): Summer research project
Return to Play
3. Michael Haber (undergraduate student, 1999-2000): original research, (published)
4. Robert Baird (medical student, 1999-2001): Molson project
5. Samantha McGlone (undergraduate student, 1998): Review article published as an editorial.
6. Dean Consuelos (medical student, 1998-99): Molson project

Invited Lectures, Talks, Presentations

Non-McGill Courses

- Stretching, Kinesiology students, Université de Montréal, 2008, 2007
- Small Group Epidemiology Teaching, Université de Montréal, 2005
- .

International

1. Optimizing your injury surveillance system: strategies to maximize prevention. IOC World Conference Prevention of Injury & Illness in Sport. Monaco, April 2017.
2. Natural effects are natural and meaningful. Epidemiology Congress of the Americas 2016, Miami, Jun 2016.
3. The causal effect of states. Atlantic Causal Inference Conference, New York May 2016
4. Hands on with sports injury research methods. American College of Sports Medicine Annual Meeting, Boston May 2016
5. Injury patterns and return to play principles. XXV International Conference of Sport Rehabilitation and Traumatology, London England Apr 2016.
6. Return-to-play: Whose decision should it be? First International Sports Physiotherapy Conference. Bern Switzerland, Nov 2015
7. M-FASIS: A new framework based on multi-state analyses. American College of Sports Medicine Annual Meeting, San Diego USA, May 2015.
8. A structured approach to return-to-play decision making. American College of Sports Medicine Annual Meeting, San Diego USA, May 2015.

9. Estimating the effect of treatment: different assumptions, different perspectives. Society for Clinical Trials Annual Meeting, Arlington USA, May 2015.
10. Randomized Controlled/Confounded Trials: Optimal methods for observing the observed. EMGO⁺ Institute for Health and Care Research, Amsterdam Netherlands Jun 2014.
11. The myth of results as objective evidence. American College of Sports Medicine, Orlando Florida Jun 2014.
12. Avoiding errors in re-injury analysis. IOC World Conference Prevention of Injury and Illness in Sport, Monaco April 2014.
13. A structured approach to return to play decision-making. IOC World Conference Prevention of Injury and Illness in Sport, Monaco April 2014.
14. Does my intervention really work? IOC World Conference Prevention of Injury and Illness in Sport, Monaco April 2014.
15. Injury and Policy at Cirque du Soleil. Advanced Team Physician Course, Las Vegas 2013
16. Patient-centered decision making. International Cochrane Collaboration Colloquium Quebec City, Sep 2013
17. A structural approach to bias: causal diagrams provide an internally coherent and transparent approach for observational studies. Methods Symposium, International Cochrane Collaboration Colloquium Quebec City, Sep 2013
18. Treatment effects from the patient perspective: understanding the alternatives to intention-to-treat analyses. International Cochrane Collaboration Colloquium Quebec City, Sep 2013
19. Causal approach to adherence-based analysis: is it really new? Society for Epidemiological Research Annual Meeting, Boston Jun 2013
20. Return to play decision making: a standardized approach to a complex problem. American College of Sports Medicine, Indianapolis Jun 2013
21. Proper analysis of injury surveillance data. University of Lund, Denmark, Dec 2012
22. Towards a better understanding of adherence based analyses in randomized trials. University of Copenhagen, Denmark, Dec 2012
23. Injury surveillance in Cirque du Soleil. American College of Sports Medicine, San Francisco Jun 2012.
24. Stretching: The debate. American College of Sports Medicine, San Francisco Jun 2012.
25. Challenges in defining re-injury and healing time. American College of Sports Medicine, San Francisco Jun 2012.
26. Sport Injury Prevention. Ironman Sports Medicine Conference. Kona Hawaii, Oct, 2011
27. Does stretching prevent injury? Ironman Sports Medicine Conference. Kona Hawaii, Oct, 2011
28. Exercise and osteoarthritis. Helpful or hurtful? Ironman Sports Medicine Conference. Kona Hawaii, Oct, 2011
29. Meta-analyses Heterogeneity: Beauty is in the eye of the beholder. 3rd North American Congress of Epidemiology, Montreal Canada, Jun 2011
30. Beyond the initial acute injury – Pitfalls from the past. IOC World Conference on Prevention of Injury & Illness in Sport, Monte-Carlo, Monaco Apr 2011.
31. A systematic approach to independent factors in return-to-play decisions. IOC World Conference on Prevention of Injury & Illness in Sport, Monte-Carlo, Monaco Apr 2011.

32. A causal diagram approach to evidence synthesis. Clinical Trial Services Unit and Epidemiological Studies Unit, Oxford University, England Feb 2011.
33. A causal diagram approach to evidence synthesis. MRC Biostatistics Unit, Institute of Public Health, Cambridge University, England Feb 2011.
34. Introduction to directed acyclic graphs. Society for Epidemiological Research, June 2010.
35. Alternative approaches to synthesizing information. American College of Sports Medicine, Baltimore MD, June 2010
36. Systematic Reviews I: General Issues. Stanford Sports Medicine Center, Stanford University, California USA, January 2010
37. Systematic Reviews II: It's all about bias. Stanford Sports Medicine Center, Stanford University, California USA, January 2010
38. Systematic Reviews III: Statistical Issues. Stanford Sports Medicine Center, Stanford University, California USA, January 2010
39. The path into and out of confusion. Stanford Prevention Research Center, Stanford University, California USA, January 2010
40. Les étirements améliorent-ils la recuperation chez l'athlète de haut niveau? Les Entretiens de L'Institut National du Sport (France) Dec 2009
41. The path into and out of confusion. American College of Sports Medicine Annual Meeting. Seattle USA, May 2009.
42. Proper analysis of injury surveillance data. American College of Sports Medicine Annual Meeting. Seattle USA, May 2009.
43. The path into and out of confusion. Division of Clinical Epidemiology, University of Minnesota, Minnesota USA, May 2009.
44. From policies to procedures: unique challenges of circus medicine. Minnesota Sports Medicine Conference, Minneapolis Minnesota, May 2009.
45. The epidemiology of circus injuries: an analysis of 5 years of Cirque du Soleil data. Minnesota Sports Medicine Conference, Minneapolis Minnesota, May 2009.
46. Who wants to be a meta-analyst? XVI Cochrane Colloquium, Freiberg Germany, Oct 2008
47. Who wants to be a meta-analyst? XV Cochrane Colloquium, Sao Paulo Brazil, Oct 2007
48. Data Gathering. Cirque du Soleil, Las Vegas Sep 2007.
49. Data Gathering. Cirque du Soleil, Las Vegas Jun 2007.
50. Exercise and Osteoarthritis: Who says you have to hang them up? Medical College of Wisconsin Sports Medicine Symposium, Milwaukee Wisconsin, Mar 2007
51. Stretching: Does it prevent injuries? Does it improve performance? Medical College of Wisconsin Sports Medicine Symposium, Milwaukee Wisconsin, Mar 2007
52. Inclusion criteria for Systematic Reviews: What is the most valid approach? XIV Cochrane Colloquium, Dublin Ireland, Oct 2006
53. Exercise and Osteoarthritis. American Chiropractic Association Sports Council's Annual Sports Sciences Symposium, Orlando Florida, Aug 2006.
54. The Science of Stretching. American Chiropractic Association Sports Council's Annual Sports Sciences Symposium, Orlando Florida, Aug 2006.

55. Stretching the truth – when is it good and when is it not? Israel Society of Sports Medicine and 22nd International Jerusalem Symposium on Sports Medicine, Israel Apr 2006
56. Osteoarthritis – Who says you need to hang them up? Israel Society of Sports Medicine and 22nd International Jerusalem Symposium on Sports Medicine, Israel Apr 2006
57. Osteoarthritis – Who says you need to hang them up? Centre for Health, Exercise and Sports Medicine School of Physiotherapy, The University of Melbourne, Australia. Oct 2005
58. Systematic Reviews – What is the most valid approach? Division of Epidemiology and Community Health, University of Minnesota Sep 2005.
59. Stretching – Does it Prevent Injuries? Does it Improve Performance. Eight Annual Twin Cities Marathon Sports Medicine Conference. Minneapolis Sep 2005.
60. Osteoarthritis – The evidence for Muscle Dysfunction vs Wear and Tear. Eight Annual Twin Cities Marathon Sports Medicine Conference. Minneapolis Sep 2005.
61. Sports Injury Prevention: From Training Improvements to Changes in Rules. ACSM Exchange Lecturer to the 10th Annual Congress of the European College of Sport Sciences, Belgrade July 2005.
62. Chair: Thematic Poster Session on Biostatistics. American College of Sports Medicine, Nashville Jun 2005.
63. Co-Chair: Evidence on clearance for sport – when is it safe? American College of Sports Medicine, Nashville Jun 2005.
64. Stretching the Truth. Swedish Society for Sports Medicine, Karlstad, Sweden Apr 2005.
65. Theoretical and Empirical Weaknesses of Cochrane Collaboration Systematic Reviews. Swedish Society for Sports Medicine, Karlstad, Sweden Apr 2005
66. Clinical, Practical or Mechanistic Significance vs Statistical Significance. American College of Sports Medicine, Indianapolis June 2004
67. The acute and chronic effects of stretching: Consistency among animal, human performance and injury epidemiology data? American College of Sports Medicine, Indianapolis June 2004
68. Evidence-based Medicine – whose evidence is it anyway? American college of Sports Medicine, San Francisco, California, June 2003.
69. Implementing Evidence: Whose evidence is it anyway? Minneapolis Sports Medicine Center Annual Conference, Minneapolis Minn April 2003.
70. Stretching the Truth. Minneapolis Sports Medicine Center Annual Conference, Minneapolis Minn April 2003.
71. Multiple regression: have we been misinterpreting our analyses? American College of Sports Medicine, St. Louis, Missouri, May 2002
72. Truths, Myths and Madness of Osteoarthritis. American College of Sports Medicine, St. Louis, Missouri, May 2002
73. Truths, Myths and Madness of Current Treatments for Soft Tissue Injuries. American College of Sports Medicine, Baltimore, Maryland, May 2001
74. Analysis of Dichotomous Data that Involves a Time Component. American College of Sports Medicine, Baltimore, Maryland, May 2001
75. Truths, Myths and Madness of Stretching: American College of Sports Medicine, Indianapolis, Indiana, May 2000

76. Effects of Exercise on Health: NIH Consensus. Medical Grand Rounds, University of Pittsburgh Medical Centre Shadyside, May 6, 1999.
77. The Effects of Stretching: Primary Care Sport Medicine Rounds, University of Pittsburgh Medical Centre Shadyside, May 5, 1999.

National

78. Fix it or leave it: Anterior cruciate tears. Canadian Academy of Sport and Exercise Medicine Annual Symposium, Victoria BC, May 2016
79. Fix it or leave it: Clavicular fractures. Canadian Academy of Sport and Exercise Medicine Annual Symposium, Victoria BC, May 2016
80. Top practice changing articles in Sport Med in 2014. Canadian Academy of Sport and Exercise Medicine Annual Symposium, Ottawa ON, Feb 2015
81. Tendinopathy Treatment Debate: Eccentric strengthening program. Canadian Academy of Sport and Exercise Medicine Annual Symposium, Ottawa ON, Feb 2015
82. Causal approach to evidence synthesis. CANNeCTIN Biostatistics Videoconference, May 2012
83. Shrier I, Fremont P. Problems in Sport Medicine: Evidence-based answers to your questions. Canadian Academy of Sport and Exercise Medicine Annual Symposium, St. John's Newfoundland Canada, Jul 2011
84. Understanding your data: some nuances of meta-analyses. Cochrane Canada 8th Annual Symposium, Ottawa Ontario, May 2010
85. Meta-Analysis: Analysis and interpretation Cochrane Training Workshop. Ottawa Ontario, May 2010
86. Evidence-based medicine: Interpretations (Keynote Speaker: Lance Richard Memorial Lecture). Canadian Academy of Sport and Exercise Medicine Annual Symposium, Quebec City Quebec, Mar 2007
87. Why in the world would they publish this article? How to write and review for peer-reviewed journals. Canadian Academy of Sport Medicine Annual Symposium, Edmonton Alberta, May 2006
88. Ankle sprains and fractures: mobilize, cast or operate? University of Calgary Sports Medicine Centre, Calgary Sep 2005.
89. The path to confusion. Department of Community Health Sciences, Faculty of Medicine, University of Calgary, Calgary Sep 2005
90. Stretching the Truth: Canadian Chiropractic Sport Sciences College, Vancouver May 2003.
91. Osteoarthritis and Exercise: Canadian Chiropractic Sport Sciences College, Vancouver May 2003.
92. Is a complete rehabilitation programme really better than a home exercise programme? Canadian Memorial Chiropractic College Homecoming, Toronto, June 2002.
93. How to prescribe exercises for your patients. Canadian Memorial Chiropractic College Homecoming, Toronto, June 2002.
94. Does exercise cause or worsen osteoarthritis? Canadian Memorial Chiropractic College Homecoming, Toronto, June 2002.
95. Osteoarthritis: Time to hang 'em up?: Canadian Academy of Sport Medicine, Mt-Tremblant, Quebec, March 2002
96. How to Use PubMed: Canadian Academy of Sport Medicine, May 2001

97. How to Search the Internet: Canadian Academy of Sport Medicine, May 2000
98. When Cervical and Thoracic Pain is not Musculoskeletal - Knowing the Limits: Canadian Athletic Therapy Association Annual Symposium, Montreal May 1996
99. Basic Physiological Principles of Aerobic Testing: Annual Symposium of the Canadian Academy of Sports Medicine - Montreal, Feb 1996.
100. Tibial Stress Syndrome: Mont-Sainte Anne Sport Medicine Symposium, Mont-Sainte Anne, Quebec Mar 1990.

Provincial/Regional

101. Mixed treatment meta-analysis and causal diagrams. Causal Inference Group, Department of Epidemiology and Biostatistics, McGill University, Sep 2014.
102. Exercise and osteoarthritis. Orthopaedic rounds, McGill University (Jun 2014).
103. Clinical Decision Making: Navigating the process for "return-to-play" decision-making. Centre for Clinical Epidemiology, Lady Davis Institute for Medical Research, Jewish General Hospital, McGill University, Feb 2014.
104. Causal diagrams: the basic science of epidemiology. Prodigy Annual Meeting, McGill University Oct 2013
105. A causal diagram approach to evidence synthesis. Institute for Clinical Evaluative Sciences (ICES), May 2013
106. Evidence synthesis: subjectivity within an objective approach. Faculty of Dentistry, McGill University, Mar 2013
107. When adherence is not all or none. Causal Inference Group, Department of Epidemiology and Biostatistics, McGill University, Jan 2013
108. Towards a better understanding of adherence based analyses in randomized trials. Centre for Clinical Epidemiology, Lady Davis Institute for Medical Research, Jewish General Hospital, Montreal Nov 2012
109. Étude sure les techniques d'immobilisation de al colonne cervicale. Colloque sur la recherche scientifique préhospitalière, Montreal Quebec, Nov 2012.
110. A causal diagram approach to evidence synthesis. Centre for Clinical Epidemiology and Community Studies, Jewish General Hospital, Jan 2011.
111. The unknown-unknowns of confounding and selection bias. Montreal Chest Institute, McGill University, Feb 2008
112. The unknown-unknowns of confounding and selection bias. CRCHUM Population Health, Université de Montréal, Sep 2007
113. Stretching the Truth. Energie Cardio Fitness trainers. Aug 2007
114. The path into and out of confusion. Department of Epidemiology and Biostatistics, McGill University, Mar 2007
115. The path into and out of confusion. McGill University Health Centre, Feb 2007
116. The path into and out of confusion. Groupe de Recherche Interdisciplinaire en Santé (GRIS), Université de Montréal, Jan 2007
117. An approach to injuries in active people. McGill 57th Annual Refresher Course for Family Physicians, Nov 2006
118. The Path Into and Out of Confusion: Centre for Clinical Epidemiology and Community Studies, Jewish General Hospital, McGill University, Nov 2006
119. Stretching and rehabilitation. Concordia Sports Medicine Centre conference, Montreal Feb 2006.

120. Systematic reviews: An approach to validating inclusion criteria and analytical approaches. Montreal Children's Hospital, McGill University Jan 2005
121. Systematic reviews: An approach to validating inclusion criteria and analytical approaches. Department of Epidemiology, Biostatistics and Occupational Health, McGill University Jan 2005
122. Systematic reviews: An approach to validating inclusion criteria and analytical approaches. Division of Epidemiology, Montreal General Hospital, McGill University Health Centre Nov 2004
123. Myths and madness of stretching: prevention, performance and rehabilitation. KINATEX Annual Sport Medicine Symposium, Esterel, Qc May 2004.
124. The acute and chronic effects of stretching: Consistency among animal, human performance and injury epidemiology data?. Centre for Clinical Epidemiology and Community Studies, Jewish General Hospital, Jan 2004
125. Evidence-based Medicine – whose evidence is it anyway? Department of Family Medicine Research Rounds, McGill University Nov 2002.
126. Soft-tissue injury and healing. Hôpital Notre-Dame, Sep 2002.
127. Prescribing Exercise for your Patients: Respiriology Department, Jewish General Hospital, Montreal, Feb 2002.
128. Getting The Most Out Of Your Patient Database: Quebec Family Medicine Teachers Association, Jun 1997.
129. Home Exercise Programs: Lakeshore General Hospital George Rona Sport Medicine Day, Montreal Apr 1996
130. Acute Compartment Syndrome: Canadian Athletic Therapy Association, Montreal 1992.
131. Ankle Injuries: A Small but Serious Problem: Congrès '90, Quebec Gymnastics Federation, Montreal Nov 1990.
132. Gymnastics Injuries: Congres '89, Quebec Gymnastics Federation, Montreal, Nov 1989.
133. Who Needs A Doctor Anyway?: Talk on first-aid in dealing with medical problems of athletes to the Physical Education Teachers of the Protestant School Board of Greater Montreal. Feb 1988
134. Sports Traumatology: Unisport '88 University of Montreal, Jan 1988
135. Inversion Ankle Sprains: Quebec Association of Athletic Therapists Jan 1988
136. Shin Splints: Quebec Association of Athletic Therapists 1987

Dissemination of Knowledge in Other Media

1. Does sex the night before competition affect performance. Radio-Canada (Sep 2016)
2. Does sex the night before competition affect performance. NBC News (Jun 2014)
3. Does sex the night before competition affect performance. Breakfast NewsTalk, Dublin Ireland (Aug 2012)
4. Does sex the night before competition affect performance. Thomson-Reuters (Jul 2012)
5. Does sex the night before competition affect performance. Radio-Canada (Jul 2012)
6. Does sex the night before competition affect performance. TSN Radio 990 (Jul 2012)
7. Exercise and Health: Pulse, Jewish General Hospital. (summer 2010)
8. Does sex the night before competition affect performance. ESPN (Jun 2010)
9. Does sex the night before competition affect performance. Discovery News (Jun 2010)
10. Stretching: the Truth. CBS Evening News, USA (Jun 2009)

11. Does sex the night before competition affect performance. TSN, Canada (Nov 2008)
12. Does sex the night before competition affect performance. Montreal940 Radio, Montreal Canada (Feb 2008)
13. Does sex the night before competition affect performance. BBC World Service Radio, London England (Sep 2007)
14. Does sex the night before competition affect performance. BBC Five Alive Radio Show, London England (Sep 2007)
15. Exercise caution in summer exercises. Interview with JGH News (Mar 2007)
16. Sex before competition: Interview with SPIKE television (Feb 2007)
17. Getting Warmer: Interview with Arthur Kelly of the Alaska Club (Nov 2006)
18. Sport Drinks: Interview with Sonali Karnick (July 2006)
19. Stretch: Interview with Diane Magazine (Summer 2006)
20. Les étirements : Interview with Z-télévision show « La revanche des nerdz” (Mar 2006)
21. Sex before competition: Interview with Stefan Lovgren of National Geographic News (Feb 2006)
22. Sex before competition: Interview with CNN for Paula Zahn Now show (Feb 2006)
23. Safety of Spa Sauna-Ice water immersion treatments: Interview with Ms. Lawlor on the NY Times (Feb 2006)
24. Sex before competition: Interview with Jay Ingram of The Daily Planet Show, Discovery Channel (Nov 2004)
25. Drugs and Sport: Dispelling the Myths: Concordia University Athletics Department, (Montreal Sep 2004)
26. Stretching before exercise. Interview with CFRB Radio (Toronto, Sept 2004).
27. Stretching before exercise. Interview with CBS News Radio (Washington DC, Sept 2004).
28. Stretching before exercise. Interview with FACTS (Swiss News Magazine) (Sept 2004).
29. Exercise: The myths and the madness: Adath Poale Zedek Anshei Ozeroff Congregation, Montreal (Sept 2004)
30. Stretching before exercise. Interview with Runners World (Sep 2004).
31. Is stretching beneficial: Interview with Real Simple Magazine (Aug 2004)
32. Is stretching beneficial: Interview with Wall Street Week (Aug 2004)
33. Sex before competition: Interview with Irish Radio Station (Aug 2004)
34. Sex before competition: Interview with BBC online (July 2004)
35. Stretching before exercise. Interview with The New York Times (April 2004).
36. Sex and weak knees: Interview with Miami Herald/CBS journalist (Feb 2004)
37. Avoid injuries shovelling snow: Interview with CTV News Reporter (Dec 2003).
38. Exercise and Baby Boomers: Interview with CTV News reporter (April 2003)
39. Stretching Before Exercise Doesn't Do Squat: Interview with HealthScoutNews wireservice (Aug 2002)
40. Stretching before exercise. Interview with Bottom Line Health Newsletter (Aug 2002).
41. When not to stretch: Interview with Prevention Magazine (June 2002).
42. Does sex the night before competition affect performance: Interview for Australian Broadcasting Corporation Radio (Sep 2001)
43. Does sex the night before competition affect performance: Interview for Canadian Broadcasting Corporation television (Feb 2001)
44. Stretch marks: Interview for “The Walking Magazine” (Jan-Feb 2001)

45. Stretching Truths: Interview for “Parents” magazine (Jan 2001)
46. The truth about stretching: Interview for CBC television (Dec 1999)
47. Swimming and Sweating: An interview with “Earth & Sky”(US Public Radio show) (Jul 1998)
48. Myths and Madness of Exercise I - Whose heart is it anyway?: Public seminar on the importance and physiology of exercise.
49. Becoming a Sport Medicine Physician: HOPS Program for High School students who want to become physicians (Mar 1998).
50. The Painful and Swollen Ankle: Interview with reporter from Actualité Médicale for a chapter in a Public Education book
51. Anabolic Steroid Use: Buzz Zone Television show, Jan 1997
52. La Presse Newspaper Interview: Le mal des grimpeurs. Oct 1996
53. CFCF Television: Sports Injuries (On-Line TV show) Jan 1996
54. CFCF Television: What about sweat? (Pilot for “Lifestyles”, a new television series). Apr 1995.
55. Montreal Gazette Newspaper Interview: Where to get help for sport injuries. Oct 1994
56. Ergogenic Aids: Radio interview CJFM 96, Montreal Apr 1993
57. Drugs and Sport: Dispellling the Myths: Concordia University Athletics Department, 1992-1988.
58. Sports Injuries: Radio interview CKUT, Montreal Sep 1991.
59. Anabolic Steroids: Radio interview CKUT, Montreal Aug 1991.
60. Pourquoi Banir les Drogues: CEGEP Vieux-Montréal May 1991.
61. Safe Exercise: Melanie King Radio Show - Phone in talk show, Montreal, Quebec Feb 1988

OTHER CONTRIBUTIONS

Journals

- Editor, Research Synthesis Methods (2014-present)
- Editorial Board Member, Research Synthesis Methods (2013-present)
- Editorial Board Member, Scandinavian Journal of Medicine & Science in Sports (2006-present)
- Editorial Board Member, Journal of Science and Medicine in Sport (2004-present)
- Section Editor, Yearbook of Sport Medicine, International Olympic Committee (2002-2008)
- Editorial Board Member, British Journal of Sports Medicine (2001-present)
- Associate Editor for Clinical Journal of Sport Medicine (1996-2012)
- Section Editor (Best of the Literature), Physician and Sportsmedicine (2000-2006)
- Editorial Board Member, Physician and Sportsmedicine (2000-2006)
- Associate Editor for Sport Medicine Journal Club section of the Clinical Journal of Sport Medicine (1995-1998)

Grant Reviews

Panel Member

- CHRP Grant Committee: Winter 2016
- FRSQ Salary award competition: 2004, 2007-2009, 2012

- CIHR Health Services 1 Committee Member: Fall 2012, Spring 2013, Fall 2013
- American College of Sports Medicine: Research Review Committee 2013, 2014, 2015, 2016
- American College of Sports Medicine: Research Awards Committee 2009, 2010, 2011, 2012

Ad hoc Reviews

- American Journal of Epidemiology: Jan 2006, Jul 1997, Apr 2008, Aug 2008, Aug 2009, Nov 2009, Sep 2010, Oct 2010, Aug 2013
- American Journal of Sports Medicine: Aug 2006, Oct 2006, Aug 2007, Aug 2008, May 2011, Aug 2011
- Applied Physiology, Nutrition and Metabolism: May 2007, Jul 2007
- Arthritis and Rheumatism: Apr 2004
- BioMed Central: Nov 2008, Mar 2009
- BMC Medical Research Methodology: Mar 2012
- British Journal of Sports Medicine: Mar 2003, Sep 2003, Apr 2004, Oct 2004, Jan 2005, Feb 2005, May 2005, Oct 2005, Jan 2006, Jul 2006, Jun 2007 (2), Oct 2007, Jan 2008 (2), Mar 2009, May 2010, Nov 2011, Jun 2014, Jun 2015, May 2016, Jun 2016, Jul 2016
- British Medical Bulletin: Nov 2015
- British Medical Journal: Sep 2006
- Canadian Institute of Health Research (CIHR): May 2006, Dec 2006 (2)
- Canadian Medical Association Journal: Jul 2005, Jan 2011, Jan 2013, Dec 2014, Feb 2016
- Clinical Journal of Sport Medicine: Sep 2008, May 2009 (2), Sep 2009, Oct 2010, Oct 2011, Jul 2013
- Cochrane Collaboration: Aug 2008
- Current Gerontology and Geriatrics: May 2012
- Current Sports Medicine Reviews: Feb 2014
- Epidemiology: Jul 2014, Sep 2014, Jul 2015, Dec 2015, Feb 2016, Jul 2016, Aug 2016, Oct 2016
- Health Care Policy: Dec 2007
- International Journal of Sports Physiology and Performance: May 2008
- International Rugby Federation: Aug 2004, Jul 2015
- Journal of Ageing and Physical Activity: Nov 2008
- Journal of Athletic Training: Apr 2012, Jan 2013
- Journal of Clinical Epidemiology: May 2007, Dec 2007
- Journal of Physical Activity and Health: Sep 2010, May 2011
- Journal of Science and Medicine in Sport: Nov 2003, Feb 2004, Sep 2004, Dec 2004, Sep 2005, Jan 2007, May 2007, Nov 2006, Jan 2007, Jan 2014, Feb 2014
- Journal of Sport Sciences: Nov 2003, Feb 2004, Jun 2013, Mar 2015
- Lancet: Jun 2010
- Manitoba Research Council: Mar 2009
- Medical Care: Aug 2013
- Medicine and Science in Sports and Exercise: May 2007, Nov 2007 (2), Apr 2008, Jun 2008, Jul 2008, Mar 2008, Aug 2009, Nov 2009, Dec 2009, Jul 2011, Mar 2012, Jul 2012, Aug 2013, Dec 2013, Mar 2014, Jun 2014, Sep 2014, Jun 2016
- Multiple Sclerosis Society: Jun 2007, Aug 2008

- Physician and Sports Medicine: Jun 2003, Sep 2003, Sep 2004, Dec 2004
- PLoS One: Oct 2013
- Research Synthesis Methods: Dec 2012, Jan 2013, Sep 2013, Jan 2014, Mar 2015.
- Scandinavian Journal of Medicine and Science in Sports: May 2006, Jun 2006, Oct 2006, Oct 2008, Dec 2008, May 2010, Mar 2012, Jul 2012, Jan 2013
- Spine: Oct 2004
- Sportsmedicine: Jul 2008
- Sports Medicine: Oct 2009
- Trials Oct 2015

Administrative Responsibilities

McGill

- Member, Protocol Defense Committee (Alexandra Seaward) (2014)
- Member, MSc Epidemiology Admissions Committee (2014, 2016)
- Member, adhoc committee of Quebec Family Medicine Research Units: development of proposal for a new funding structure for family physician-researchers (2007)
- Organizing Committee for the 7ième Journée Québécoise de la Recherche en Médecine Familiale (1996)
- Member, Research Committee, Department of Family Medicine, McGill University (1994-1996)
- Session President, 7ième Journée Québécoise de la Recherche en Médecine Familiale (organized by McGill University Department of Family Medicine)

Hospital

- Organizer of weekly seminars for Centre of Clinical Epidemiology and Community Studies, Jewish General Hospital, McGill University, 1999-2001, 2005-2006, 2011-2014
- Evaluation of computer network changes for the Centre of Clinical Epidemiology and Community Studies, Jewish General Hospital, McGill University (2007)
- Member, Search and Selection Committee for Jewish General Hospital Chief of the Department of Family Medicine (1996)
- Member of Jewish General Hospital Medical Ethics Committee (July 1995-1996)

Other

- Chair, Organizing committee for the Society for Research Synthesis Methodology annual meeting, Montreal July 3-5, 2017.
- Scientific Committee: L'appareil locomoteur, la santé au travail. Fédération des Médecins Omnipraticiens du Québec, Montreal Nov 15-16, 2001.

Professional and/or Learned Societies

- Canadian Academy of Sport and Exercise Medicine (1986-present)
 - Chair, Credentials Committee (2009-2012)
 - Credentials Committee (2006-present)
 - Education Committee (1999-2009)
 - Listserv Manager (1998-2005)

- o Webmaster (1997-2004)
- o Communications Committee (1997-2004)
- o Past-President (2003-04)
- o President (2002-03)
- o President-elect (2001-02)
- o Chair, Education Committee (1999-2002)
- o Treasurer (1998-2001).
- o Member at large - Board of Directors (1993-1997).
- o Bilingual Committee (1994-1997)
- o Co-Chairperson Annual Symposium (1996)
- o Chairperson Fundraising Committee (1993).
- American College of Sports Medicine (1993-present)
 - o Evidence-Based Practice Committee (2014-present)
 - o Board of Trustees (2011-2014)
 - o Research Review Committee (2013-2016)
 - o Research Awards Committee (2009-2012)
 - o Co-Chair, Biostatistics Interest Group (2003-2006)
 - o Member, Biostatistics Interest Group (2001-present)
 - o Founder – Epidemiology Interest Group (2005)
 - o Co-Chair - Epidemiology Interest Group (2005-2008)
- International Cochrane Collaboration (2004-present)
 - o Statistical consultant, Peripheral Vascular Disease Group (2013-present)
 - o Member, Statistical Methods Group (2005-present)
 - o Member, Bias Methods Group (2009-present)
 - o Cochrane Trading Company, Board of Directors (2015-present)
- Society for Epidemiological Research Publications Committee (2016-present)
- Society for Research Synthesis Methodology (Jan 2014-present)
- REPAR – FRSQ (1994-present)
- Canadian Medical Association (1986-present)
- Federation des medecins omnipraticiens du Quebec (1986-present)
- Other
 - o Scientific Committee: L'appareil locomoteur, la santé au travail. Fédération des Médecins Omnipraticiens du Québec, Montreal Nov 15-16, 2001.
 - o Section Editor, Yearbook of Sport Medicine, International Olympic Committee (2002-present)
 - o Section Editor (Best of the Literature), Physician and Sportsmedicine (2000-2006)
 - o Chairperson, Canadian Amateur Speed Skating Association Medical Committee 1992-93.
 - o Member, Canadian Amateur Speed Skating Association Science Committee 1992-1993.

Other Professional and Scientific Contributions

Team Physician

- Concordia University Stingers - Men's Basketball Team. (1994-2004)
- Concordia University Stingers - Men's Hockey and Football Teams. (1986-2000)
- Canadian Triathlon Medical Committee - Quebec representative 1992-94
- Canadian Aerobic Instructor's Network Medical Advisor 1992 - 1997

- Canadian Short Track Speed Skating Team (CAMP Physician 1991-1993)
- Montreal Supra Soccer Team - 1991, 1990
- Vanier CEGEP (College) Cheetahs - Football Team. (1987-89)
- St. Leonard Cougars - Quebec Junior Major Football League. (1986-87, 1987-88)
- Corfinium St. Leonard - Quebec National Soccer League. (1987-88)

Physician – Special Sporting Events - National/International

- 1999 (Jul): (Mallorca, Spain) World Summer University Games
- 1998 (Aug): CMO Canadian National Ultimate Championships
- 1998 (Aug): (Cayman Islands) Junior Track and Field Championships
- 1998 (Jul): (Montreal) Canadian Track and Field Championships
- 1998 (Jul): Canadian Pro-Beach Volleyball Tournament, Repentigny Qc
- 1997 (Sum): (Montreal) Davis Cup Tennis Tournament
- 1997 (Jan): (Montreal) Davis Cup Tennis Tournament
- 1996-95 (Aug): (Montreal) Du Maurier Tennis Championships
- 1996-95, 1992-91 (Jul): (Montreal) Canadian Track and Field Championships
- 1994 (Aug): (Toronto) World Championship of Basketball
- 1994 (Apr): (Montreal) Canadian Championships Synchronized Figure Skating
- 1994-91 (Sep): Esprit Triathlon (Ironman Distance - Medical Director)
- 1994-88 (Aug): Montreal Triathlon (Medical Director)
- 1993 (Jul): (Buffalo) World University Games Medical Team
- 1993 (Mar): (Montreal) Canadian Short Track Speed skating Trials
- 1991 (Dec) (Montreal) Olympic Trials Short Track Speed Skating
- 1991 (Dec) (Montreal) Women's Elite Competition (Gymnastics)
- 1991 (Oct) (Montreal) Canada Cup Judo (8 countries)
- 1991 (Oct): (Kona, Hawaii) Hawaii Ironman Triathlon World Championship
- 1990-86: Montreal Marathon
- 1989 (Jul): (Morocco) Jeux de la Francophonie
- 1989 (May): (Montreal) Defi Canadian Tire (International Indoor Cycling Competition)
- 1988 (Dec): (Montreal) World Sombo Wrestling Championships
- 1988-87 (June) (Montreal) Le Defi Mark Ten (Montreal International Strongest Man in the World Competition)
- 1988 (May): (Montreal) Exhibition Soccer Game (Canada versus Greece)
- 1987 (Nov): (Montreal) C.C.A.A. National Soccer Championships
- 1987 (Oct): (Montreal) Quebec Omnium Judo Competition (International event with over 10 countries represented)
- 1987 (Aug): (Montreal) Montreal World Triathlon
- 1987 (Aug): (Montreal) Training Camp for Canada's National Wrestling Team
- 1987 (Aug): (Montreal) National Rowing Championships
- 1987 (Jun): (Montreal) Canada Cup Indoor Cycling Championship
- 1987 (May): (Montreal) Canadian National Netball Championship
- 1987 (May): (Montreal) Defi Sportif (Canadian National Competition for Handicapped Athletes)

- 1987 (Mar): (Montreal) Montreal International Cup International Weightlifting Competition)
- 1987 (Feb): (Montreal) C.I.A.U. Wrestling Championship
- 1986 (Nov): (Montreal) Canadian Indoor Cycling Trials
- 1986 (Aug): (Montreal) International Canoe and Kayak Competition

Physician – Special Sporting Events – Regional/Provincial

- 1993-92 (Sep): Le Relais des Entreprises Triathlon (Medical Director)
- 1993-89 (Aug): Montreal Kids' Triathlon - Medical director
- 1990,88,86 (Oct): (Montreal) Quebec Provincial Open Judo Championship
- 1990 (Mar): (Montreal) Provincial Judo Championships (Montreal): 1988 (Nov) - 1987 (Dec) - 1987 (May) - 1987 (Apr) - 1987 (Mar)
- 1989 (May): (Montreal) Montreal Regional Judo Championships; 1988 (Feb); 1987 (Apr); 1987 (Mar); 1986 (Oct)
- 1987 (Dec): (Montreal) Les 36 Heures de Soccer
- 1987 (Nov): (Montreal) Quebec Provincial Tae Kwon Do Championships; (Repentigny) 1987 (May); (Montreal) 1987 (Apr)
- 1987 (Jul): (Quebec) Sri Chimnoy Triathlon - Parc Paul Sauvé, Oka
- 1987 (Jun): (Montreal) Tour de L'Isle Montreal (mass participation cycling event involving more than 20,000 cyclists)
- 1987 (Jun): (Montreal) Quebec Cup Indoor Cycling Championship
- 1987 (Apr): (Montreal) Halo Run (mass participation run students of the Protestant School Board of Greater Montreal.

Conferences

- IOC World Conference Prevention of Injury and Illness in Sport, 2011, 2014
- Canadian Academy of Sport Medicine Annual Symposium, 1986 to 2013
- American College of Sports Medicine, 1994 to 2013
- Society for Epidemiological Research, 2008 to 2013
- Advanced Team Physician Course Las Vegas, Nev 2013
- International Cochrane Colloquium, 2004 to 2013
- Ironman Sports Medicine Conference – Kona Hawaii, 2011
- Canadian Cochrane Symposium, 2007, 2010
- La récupération chez l'athlète de haut niveau? Les Entretiens de L'Institut National du Sport (France), Dec 2009
- Minnesota Sports Medicine Conference, Minneapolis Minnesota, May 2009
- Medical College of Wisconsin Sports Medicine Symposium, Milwaukee Wisconsin, Mar 2007
- McGill Qualitative Health Research Group Spring Conference, Montreal, Quebec 2007
- Israel Society of Sports Medicine and 22nd International Jerusalem Symposium on Sports Medicine, Israel 2006
- Minneapolis Eight Annual Twin Cities Marathon Sports Medicine Conference, 2005
- European Congress of Sport Sciences, Belgrade Yugoslavia 2005
- Chiropractic College of Sport Sciences Annual Symposium, Vancouver May 2003.

- Canadian Memorial Chiropractic College Homecoming, Toronto, June 2002
- L'appareil locomoteur, la santé au travail. Fédération des Médecins Omnipraticiens du Québec, Montreal Nov 15-16, 2001.
- Fédération Internationale de Médecine Sportive - Orlando, May 1998.
- 1996 Intersociety Conference: The Integrative Biology of Exercise. Vancouver, October 1996.
- George Rona Day - Sport Medicine Conference of Lakeshore General Hospital - April 1996.
- 7ième Journée Québécoise de la Recherche en Médecine Familiale - Montreal, April 1995.
- New Faculty Teaching Workshop - McGill University, Montreal, April 1995
- Small Group Teaching - McGill University, Montreal, March 1995
- SportMed (OMA Sport Medicine Conference): 1988-1995
- IRSST Workshop on Epidemiology and Statistical Issues on Evaluative Research in Musculo-Skeletal Disorders - Montreal, October 1994
- Effective Lecturing - McGill University, Montreal, March 1994.
- Experimental Biology (FASEB) – 1989-1993
- Canadian Society for Clinical Investigation – 1991-1992.
- Ironman Sports Medicine Conference - Kona, Hawaii. October 1991.
- American Physiological Society - Montreal, Que. October 1988.
- Interferential Conference (Concordia University) - Montreal, Quebec November 1987.
- Ultrasound Conference (Concordia University) - Montreal, Quebec, 1987.
- Sports Medicine Clinical Day (Royal Victoria Hospital) - Montreal, Quebec November 1986.

Sport Medicine Work Experience

- Concordia Sports Medicine Centre: Attending physician for recreational athletes and national amateurs (Aug '93 - present).
- Kinatex Sports Medicine Clinic: Attending physician for sports medicine rehabilitation clinic (May '88-November '89, 1997-September '05)
- Herzl Family Practice Sports Medicine Clinic (Jewish General Hospital): Co-Director of Primary Care Sports Medicine Clinic (February 1993-2003)
- G.D.C. Sports Rehabilitation Centre: Attending physician for sports medicine rehabilitation clinic (July '87 - 2001)
- South Shore Sports Medicine Clinic: Attending physician primarily for recreational athletes (November '86 - July '89).
- Concordia University Sports Medicine Clinic: Attending physician for recreational athletes and national amateurs (July '86 - Feb '88).
- Centre Yvon Belanger: Attending physician for sports medicine rehabilitation clinic (Sept '87 - Feb '88)
- Royal Victoria Hospital Sports Medicine Clinic: Physician assistant to clinic chief, Dr. B. Costello (July '86 - July '88).
- Club Entrain (Feb'87-Dec'87): Attending physician for rehabilitation clinic (February '87 - December '87). Royal Victoria Hospital Sports Medicine Clinic

Other Work Experience

- Urgences Santé/Emergency Health Service: Provide emergency medical care for the Montreal Urban Community and Laval regions (July '86-July '89).
- Queen Elizabeth Hospital: Emergency room physician (May '88 - August '89)

Medical Licensure and Certification

- Licentiate of the Medical Council of Canada, July 1986.
- Quebec Medical License: Corporation professionnelle des medecins du Quebec, June 1986.
- Diplomate of the National Board of Medical Examiners, U.S.A., July 1986.
- Advanced Cardiac Life Support Certification, June 1986, March 1988.
- Advanced Trauma Life Support Certification, December 1985.
- SMCC Certified Doping Control Officer (1988-89)
- Diploma of Sport Medicine, Canadian Academy of Sport Medicine (June 1989)

RESEARCH ACTIVITIES

In the last five years, my primary research interests have been in the field of injury epidemiology, causal inference, and knowledge exchange/meta-analysis. My injury prevention interests have led me to work directly with private industry stakeholders (Cirque du Soleil) employing artists/athletes, for which I provide research (while retaining proprietary rights) and consultation services under contract. This research has led to important statistical insights and publications in injury methodology research, and further collaborations with the Institut National du Sport du Quebec and the Canadian Athlete Monitoring Program. One important aspect of my injury prevention research is my collaboration with multiple clinician and non-clinician stakeholder groups in sports, both nation-wide and internationally, to address issues related to return-to-activity decision-making. This work involves several research projects, including developing and validating a theoretical model, and a mix of quantitative and qualitative methods to provide perspectives from all stakeholders on descriptive (what the current methods are) and proscriptive (what the methods should be) processes for return to play decision making. My work in the field of causal inference includes both theoretical (with particular interest in the underlying assumptions of adherence-based analyses) and knowledge exchange (conveying complex concepts to clinicians and epidemiologists), where one of my publications is now routinely used in teaching causal inference to epidemiological classes at several universities. Finally, I continue to publish on systematic review and meta-analysis methods, and am an active participant in the Cochrane Collaboration Statistical Methods and Bias Methods groups. Wherever possible, I try to integrate my graduate training in basic science, clinical epidemiology and knowledge exchange into one project.

Personal Support Awards

2005-09 Chercheur-Boursier Clinicien – Sénior (Fonds de la Recherche en Santé du Québec)
(≈\$40-45,000/yr) (FRSQ-13009-241)

2001-05 Chercheur-Boursier Clinicien – Junior II (Fonds de la Recherche en Santé du Québec)
(≈\$35-40,000/yr) (FRSQ – 8136)

1995-97: Fonds de la Recherche en Santé du Québec for Post-Doctoral training in Epidemiology
(\$34,650/yr)

1989-93: Fonds de la Recherche en Santé du Québec Scholarship for Doctoral training (\$30,000-\$34,000/yr)

Peer Reviewed operating Grants – PI or co-PI

- 2015-18: Causal Modeling of Recurrent Injury Data (nominated PI: Russell Steele, CIHR/NSERC \$362,499).
- 2012-14: The effectiveness of different cervical spine stabilization procedures during pre-hospital management of accident victim (CIHR: \$92,360)
- 2009-10: Pre-hospital spine stabilization in suspected spine fractures. Canadian Academy of Sport and Exercise Medicine. \$7500
- 2009: Current Concepts in Practice Management of Musculoskeletal Injuries in Active Children. McGill Faculty of Medicine Summary Research Bursary Program: \$2,834
- 2008-09: An Analysis of Recurring Injuries and Consequences of Injury. Canadian Academy of Sport Medicine. \$7500
- 2008-09: Meta-analyses: Understanding the subjective interpretation of an “objective” analysis (co-PI: Mary Ellen Macdonald). CIHR: \$38,033 (MOP 89377)
- 2004-06: Are systematic reviews that use only RCT studies sometimes misleading? CIHR 116340. 2-year: \$99,860
- 2002-03: Exercise therapy in patients awaiting total hip replacement. CIHR 93018. 1-year: \$39,339.
- 2000-01: REPAR-IRSST for “Conflicting advice and its effect on safe return to work for workers compensated for low back pain. Co-PI with Dr. Debbie Feldman. (\$15,000, no grant number)
- 1999-00: Exercise tolerance after Deep Vein Thrombosis: is there a role for compression therapy?. (Co-PI with Dr. Susan Kahn). (American College of Phenology: \$15,000 USD – no grant number)
- 1994-96: Heart & Stroke Foundation of Quebec Operating Grant for “Compartment Syndrome” (\$20,000 – no grant number)

Peer Reviewed Grants – co-investigator

- 2015-2016: (PI: Brett Thombs) Improving Depression Screening in Medically Ill Patients by Reducing Bias and Including Individual Patient Characteristics in Accuracy Estimates: An Independent Patient Data Meta-Analysis of the Hospital Anxiety and Depression Scale (HADS). Co-Investigator (CIHR: \$100,000)
- 2014-15: (PI: Patrick Boissy) The effectiveness of equipment removal techniques during pre-hospital management of suspected c-spine trauma in football players. Co-Investigator (Ministère de l’Éducation, du Loisir et du Sport, Quebec: \$25,860).
- 2014-15: (PI: Brett Thombs) Improving depression screening by reducing bias in accuracy estimates: An independent patient data meta-analysis of the PHQ-9. Co-investigator (CIHR: \$100,000)
- 2013-14: (PI: David Moher) Do sugar-sweetened beverages cause adverse health outcomes in adults? A systematic review. Co-investigator (CIHR: \$99,693).
- 2013-14: (PI: David Moher) Do sugar-sweetened beverages cause adverse health outcomes in children? A systematic review. Co-investigator (CIHR: \$96,895).
- 2013-16: (PI: Jonathan Kimmelman) Can Researchers Predict Trial Outcomes and Feasibility? An Empirical Investigation. Co-investigator (CIHR: \$280,007).

- 2010-11: (PI: Susan Kahn) Evaluation of interventions for implementation of thromboprophylaxis in hospitalized medical and surgical patients at risk for venous thromboembolism: A systematic review and meta-analysis. Co-investigator (CIHR: \$90,020)
- 2009-12: (co-PIs: Phyllis Zelkowitz, Nancy Feeley) Cues and care: Follow-up of a trial to reduce maternal anxiety and promote sensitivity in mothers of very low birthweight infants. Co-investigator (SSHRC \$113,080)
- 2007-09: (PI: Carolyn Emery) The risk of injury associated with body checking among paediatric ice hockey players. Co-investigator (CIHR \$442,600)
- 2006-08: (PI: Francois Prince) Recovery after hip arthroplasty: effects of physical exercise on gait pattern and early return to daily living activities (TEAM Development Grant, Co-investigator, \$95,000)
- 2006-08: (PI: Susan Kahn) Exercise Training for Treatment of Post-Thrombotic Syndrome: The EXPO Pilot Trial. Co-investigator. (CIHR \$350,686)
- 2006-10: (PI: Phyllis Zelkowitz) A trial of a skills-based intervention to reduce maternal anxiety and improve developmental outcomes in very low birthweight infants (CIHR: \$338,172 Grant # 150895)
- 2005-06: (PI: Nancy Feeley) A follow up study of a program to promote mothers' ability to communicate with their very-low-birthweight infants. \$10,000 for one year, plus \$2000 as best submission, given for Knowledge Exchange of results (FRESIQ – FRE-02-074).
- 2005-06: (PI: Bonnie Swaine) Factors associated with safe return to physical activity among injured children (FRSQ – REPAR: \$20,000 –05-06DN1-09)
- 2005-06: (PI: Barbara Mazer) Current Concepts in Practice Management of Musculoskeletal Injuries in Active Children (FRSQ – REPAR: \$15,000, Grant number 05-06N2-05)
- 2003-06: (PI: Dr. François Prince) Instabilité posturale en fauteuil roulant chez les enfants atteints d'un déficit moteur cérébral. CIHR, \$55,062 for 3 years (MOP 62938)
- 2004-05: (PI: Dr. Murray Baron) Development of a Canadian Scleroderma Research Group. CIHR, \$99,974 for 1 year. (CIHR-122602)
- 2000-03: (PI: Marc Afilalo) Total Funding (\$570,930). "The impact of a standardized information system between the emergency department and the primary care network: Effects on continuity and quality of care. Breakdown of funding: Canadian Health Services Research Foundation (\$188,406), MSSS (\$135,000), MRST (\$45,000), RRSSS(\$60,000), AMUQ (\$2,500), MSSS (\$100,000), JGH Emergency Department (\$15,023), FRSQ Commitment to Quebec projects (\$75,000). (CHSRF-RC1-0249-05)
- 1998-99: (PI: Michel Rossignol) Prévention de l'incapacité due aux maux de dos en première ligne". (Co-investigators: Ian Shrier, Marie-Josée Durand, Susan Stock) (FRSQ-REPAR \$5000)

Investigator-Initiated Grant-in-Aid

- 2016-2018: (PI: Ian Shrier) A study on the reliability of quantitative measures of the visual system and their correlation with change in concussion-associated symptoms (MEDTEQ/MITACS \$57,000, Varitron Tech \$15,000, Apexk \$15,000)
- 2006-08: (PI: Andrew Szilagy) Differential biologic impact of lactose consumption in lactase persistent and non-persistent populations: Evaluation of microflora and insulin / glycemic response. Co-investigator (Danone Institute of Canada \$65,650)

2001-07 (PI: Susan Kahn) FRSQ and Sanofi (\$1,400,377). A prospective cohort study of the post-phlebotic syndrome after deep vein thrombosis. Co-investigator (FRSQ-015018)
 2000-01: (PI: Dr. Karen Johnston) Tom Pashby Sport Safety Fund for “Concussion Prevention Website”. (Co-investigators: Ian Shrier, Suzanne Leclerc). (\$2,500)

Peer Reviewed Operating Grants – Submitted

None

Industry Grants

None

PUBLICATIONS

(* Supervised Student)

Personal Original Research/Systematic Reviews

1. Simoneau G, Levis B, Cuijpers P, Ioannidis JPA, Patten SB, Shrier I, Bombardier CH, Osorio FL, Fann JR, Gjerdingen D, Lamers F, Lotrakul M, Lowe B, Shaaban J, Stafford L, van Weert HCPM, Whooley MA, Wittkamp KA, Yeung AS, Thombs BD, Benedetti A. A comparison of bivariate, multivariate random-effects, and Poisson correlated gamma-frailty models to meta-analyze individual patient data of ordinal scale diagnostic tests. *Biometrical J.* 2017 (In Press)
2. Schnitzer M, Steele RJ, Bally M, Shrier I. A causal inference approach to network meta-analysis. *J Causal Inf* 2017 (In Press).
3. Shrier I, Serner A, Wangenstein A, Steele RJ, Weir A. Measuring heterogeneity of reinjury risk assessments at the time of clearance to return to play: A feasibility study. *J Sci Med Sport* 2017 (In Press).
4. Levis B, Benedetti A, Levis AW, Ioannidis JPA, Shrier I, et al. Selective cutoff reporting in studies of diagnostic test accuracy: A comparison of conventional and individual patient data meta-analyses of the Patient Health Questionnaire-9 depression screening tool. *Am J Epid* 2017 (In Press)
5. Shrier I, Clarsen B, Verhagen E, Gordon K, Mellette J. Improving the accuracy of sports medicine surveillance – when is a subsequent event a new injury? *Br J Sports Med* 51: 26-28, 2017
6. Sterne JAC, Hernan MA, Reeves BC, Savovic J, Berkman ND, Viswantathan M, Henry D, Altman DG, Ansari MT, Boutron I, Carpenter JR, Chan A-W, Churchill R, Deeks JJ, Hrobjartsson A, Kirkham J, Juni P, Loke YK, Pitott TD, Ramsay CR, Regidor D, Rothstein HR, Sandhu L, Santaguida PL, Schunemann HJ, Shea B, Shrier I, Tugwell P, Turner L, Valentine JC, Waddington H, Waters E, Wells GA, Whiting PF, Higgins JPT. Robins-I: a tool for assessing risk of bias in non-randomized studies of interventions. *BMJ* 355: i4919, 2016.
7. Shrier I, Christensen R, Juhl C, Beyene J. Meta-analysis on continuous outcomes in minimal important difference units: An application with appropriate variance calculations. *J Clin Epidemiol* 80:57-67, 2016

8. Hernan MA, Sauer BC, Hernandez-Diaz S, Platt RW, Shrier I. Specifying a target trial prevents immortal time bias and other self-inflicted injuries in observational analyses. *J Clin Epidemiol* 79: 70-75, 2016.
9. Rice DB, Kloda LA, Shrier I, Thombs BD. Reporting quality in abstracts of meta-analyses of depression screening tool accuracy: A review of systematic reviews and meta-analyses. *BMJ Open* 6: e012867, 2016 (doi:10.1136/bmjopen-2016-012867)
10. Rice DB, Kloda LA, Shrier I, Thombs BD. Reporting completeness and transparency of meta-analyses of depression screening tool accuracy: A comparison of meta-analyses published before and after the PRISMA statement. *Journal of Psychosomatic Research* 87: 57-69, 2016.
11. Mountjoy M, Junge A, Alonso JM, Carsen B, Pluim BM, Shrier I, van den Hoogenband C, Marks S, Gerrard D, Heyns P, Kaneoka K, Dijkstra HP, Khan KM. Consensus statement on the methodology of injury and illness surveillance in aquatic sports. *Brit J Sports Med* 50: 590-596, 2016.
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None

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Abstracts and Conference Presentations

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