

## Curriculum Vitae

### Neil Craton

**Sport Medicine Physician,  
Insurance Medicine Consultant and Assistant Professor**

**May 2018**

Legacy Sports Medicine  
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### Other Appointments

Assistant Professor  
Department of Family Medicine  
Faculty of Medicine  
University of Manitoba  
Winnipeg, Manitoba

Adjunct Professor  
Department of Kinesiology  
Applied Health  
University of Winnipeg  
Winnipeg, Manitoba

## Neil Craton

B.Sc., M.H.K., M.D., Dip. Sport and Exercise Med., M.C.F.P. SEM

### BIOGRAPHICAL DATA

Office Address: 14-160 Meadowood Drive, Winnipeg MB.

Birthdate: October 8, 1959

Citizenship: Canadian

### DEGREES

Doctor of Medicine (M.D.)  
University of Manitoba, 1984

Masters of Human Kinetics (M.H.K.)  
University of British Columbia, 1994

Bachelor of Science (B.Sc.)  
University of Manitoba 1985

### EDUCATION

1990-92 Fellow, Allan McGavin Sports Medicine Fellowship  
University of British Columbia, Vancouver, B.C.

1990-94 Masters of Human Kinetics, University of British Columbia  
(Masters Thesis: A Medical Curriculum on Common Musculoskeletal Disorders)

1995 American College of Occupational and Environmental Medicine Fundamental  
and Advanced Courses in Impairment and Disability Evaluation.

1985 Rotating Internship, Manitoba Affiliated Teaching Hospitals.

1985 Certified Advanced Cardiac Life Support Provider/Instructor.

1985 Certified Advanced Trauma Life Support Provider.

1984 Doctor of Medicine, University of Manitoba.

1985 Bachelor of Science, University of Manitoba (Cumulative GPA 3.95).

1984 Licensiate of the Medical Council of Canada.

### EDUCATIONAL HONORS

- 2017 University of Manitoba, Faculty of Medicine, Continuing Professional Development Educator of the Year.
- 2016 University of Manitoba, Faculty of Medicine, Inspiration in Medical Education award Nominee.
- 2015 Certificate of Added Competence, Sport and Exercise Medicine, College of Family Physicians of Canada
- 2013 Recipient, Dave Anderson Award for Outstanding Service in the Advancement of Athletics, University of Winnipeg, Winnipeg, Manitoba.
- 1995 Diplomat, American Board of Independent Medical Examiners certification examination. Updated June 2000.
- 1991 Diplomat, Canadian Academy of Sports Medicine
- 1991 University Graduate Fellowship for academic achievement, University of British Columbia, Faculty of Human Kinetics (\$13,800).
- 1979 Dean's Honor Role, University of Manitoba, Faculty of Science.
- 1978 University of Manitoba Alumni Association Scholarship for academic excellence.

#### **PROFESSIONAL POSITIONS HELD**

- 1992 - Present Private practice, Consultant in Sports Medicine and Rehabilitation, Wpg., MB.
- 2013- Present Consulting Physician, Early Response Concussion Recovery Group.
- 2008-Present Medical Consultant, Manitoba Public Insurance Corporation, Wpg., MB.
- 2008 – 2012 Medical Consultant to the Review Office, Workers Compensation Board of Manitoba, Wpg. MB.
- 1995 - 2008 Medical Director, Manitoba Public Insurance Corporation, Wpg., MB.
- 1996 - Present Team Physician, Winnipeg Blue Bombers Professional Football Club

- 1995 - 2000 Medical Education Consultant, Worker's Compensation Board of Manitoba Wpg., MB.
- 1992-Present Medical Director, University of Winnipeg Sport Medicine Clinic. Winnipeg MB.
- 1997-2016 Member, Board of Directors, Manitoba Blue Cross and UniBlue Incorporated
- 2008-Present Director, University of Manitoba Musculoskeletal-Sports Medicine-Insurance Medicine Fellowship
- 1997-2008 Co-Director, University of Manitoba Musculoskeletal-Sports Medicine-Insurance Medicine Fellowship
- 1997-2008 Assistant Team Physician, Canadian Men's National Volleyball Team
- 1998-Present Physician, National Sport Centre of Manitoba (Supported by the Canadian Olympic Association)
- 1999-2001 Consulting Physician, Manitoba Telecom Services Occupational Health Service.
- 1998-Present Physician, Manitoba Cycling Association.
- 1992 - 1994 Medical Advisor, Worker's Compensation Board of Manitoba, Wpg., MB.
- 1992 - 1995 Medical Consultant, Occupational Rehabilitation Group of Manitoba, Multidisciplinary Rehabilitation Centre for Chronic Pain, Wpg., MB.
- 1992 - 1994 Team Physician, Winnipeg Jets National Hockey League Team
- 1992 - Present Team Physician, Canadian National Women's Volleyball Team, Wpg., MB.
- 1992 - Present Consultant Physician, University of Winnipeg, Varsity Intercollegiate Athletics.
- 1992 – Present Consultant Physician, Triathlon Manitoba.
- 1993 - Present Consultant Teaching Physician in Musculoskeletal Disorders, University of Manitoba Family Medicine Residency Program.
- 1991 Consultant Sports Medicine Physician, Allan McGavin Sports Medicine Centre, Vancouver, B.C.
- 1991 Consultant Physician, Corporate Health Services, Vancouver, B.C.
- 1990 Consultant Sports Medicine Physician, Whistler Clinic, Whistler, B.C.

1987 – 1990 Physician, Primary Health Care Unit of Emergency Department, Health Sciences Centre, Winnipeg, MB. (Full time teaching and academic intern supervision Manitoba Affiliated Teaching Hospitals, University of Manitoba, Faculty of Medicine)

1986 - 1988 Physician, Kinsmen Reh-Fit Centre Cardiac Rehabilitation Unit, Wpg., MB. (Exercise stress tests and cardiovascular assessment for exercise prescription in cardiac rehabilitation patients).

1985 - 1987 Emergency Physician, Grace General Hospital, Wpg., MB.

### **APPOINTMENTS AND POSITIONS HELD**

Assistant Professor, Department of Family Medicine, Faculty of Medicine, University of Manitoba. 1995-present (through 2019)

Assistant Professor, Department of Continuing Medical Education, Faculty of Medicine, University of Manitoba. 1995-present

Adjunct Professor, Department of Kinesiology and Applied Health, University of Winnipeg, 1996-2003, 2010 to the present.

Member, Medical Advisory Board, Albrectson Reh-fit Center. Winnipeg Manitoba 2016-present.

Member, Canadian Football League Health and Safety Committee. 2015

Chair, Education Committee, Canadian Football League Health and Safety Committee. 2015

Member at large, Inquiry Committee, Psychological Association of Manitoba, 2006-present

Vice-President, Legacy X-ray Clinic 2013. Managing Business Partner

Managing Partner, Performance Healthware. Retail medical supply business. 2007-2014.

Member, Seven Oaks General Hospital Wellness Institute Research Advisory Committee. February 1998-2000.

Chair, Governance and Nominating Committee, Manitoba Blue Cross, 2012-2016

Member, Executive Committee, Manitoba Blue Cross, 2012-present

Member, Manitoba Blue Cross Nominating Committee, 1997, 2006-present.

Member, Manitoba Blue Cross Investment Committee, 1998-2002

Member, Manitoba Blue Cross Retirement Fund Committee, 1999-2002

Member, Manitoba Blue Cross Audit Committee, 2002-2004

Member, Manitoba Blue Cross Governance Committee 2003-2004

Member, Manitoba Blue Cross Pension Advisory Committee 2005-2006, 2007-2016

Member, Manitoba Blue Cross, Manitoba Medical Scholarship Foundation Investment Committee, 1998-2002.

Faculty Member, Post-Graduate Education, Los Angeles College of Chiropractic. 1997-2000.

Vice-president, Secretary and Co-founder, Associated Independent Medical Examiners of Manitoba Incorporated, 1996-2000.

Coordinator, Continuing Medical Education Program, Workers Compensation Board of Manitoba, 1993 - 2000

Coordinating Physician and National Canadian Athlete Monitoring Program (CAMP) Representative, Women's National Volleyball Team, 1993 - present.

Member, American College of Occupational and Environmental Medicine, 1995.

Member, Advisory Committee, Seven Oaks Wellness Centre Rehabilitation Services Committee, Winnipeg, MB, 1995.

Business Partner, Associated Emergency Physicians, Wpg., MB. 1989-90.

Lecturer, Department of Family Medicine, University of Manitoba, Faculty of Medicine, 1985 -1995.

Chair, Finance Committee, Section of Sports Medicine, University of Manitoba, Faculty of Medicine 1986 - 1987.

Member, Selection Committee for Academic Emergency Medicine. University of Manitoba, Faculty of Medicine, 1987.

Member, Health Sciences Research Foundation Advisory Committee, Wpg., MB. 1989 - 1990.

Member, Academic Committee, Section of Sports Medicine, University of Manitoba Faculty of Medicine, 1989 - 1990.

Member, American Society for Orthopedic Medicine, 1992 - 1995.

Member, Canadian Academy of Sports Medicine, 1990 - present.

Member, Education Committee, Canadian Academy of Sports Medicine, 1991 -2000.

Member, College of Physicians and Surgeons of Manitoba 1985 - present.

Member, College of Physicians and Surgeons of British Columbia 1990 - 1992.

Member, Manitoba Medical Association, 1986 - present.

Medical Advisor, Steering Committee, Winnipeg, Inter-hospital Committee on Family Violence 1989 - 1990.

Emergency Medical Privileges, Misericordia General Hospital, Winnipeg MB. 1995-1997

## **ACADEMIC INVOLVEMENT**

### **Courses Taught:**

Upper Extremity and Spine sections, second year medicine musculoskeletal course. University of Manitoba, Faculty of Medicine. 2011-present

Advanced Prevention and Care of Athletic Injuries, University of Winnipeg, Physical Activity and Sport Studies, 1995-1997.

Pathology of Illness and Injury (88.3505/3-001), University of Winnipeg, Physical Activity and Sport Studies,1998-1999

Pathology of Sport Medicine (88.3505/3-001), University of Winnipeg, Physical Activity and Sport Studies

Pathological and Clinical Manifestations of Musculoskeletal Disorders. Spine Section. University of Manitoba School of Medical Rehabilitation, Faculty of Medicine. Course No.68.241. September 2000.

Exercise prescription. Faculty of Medicine, University of Manitoba Clinical Clerkship program, 2010.

Faculty of Medicine, University of Manitoba Clinical Clerkship program, 2011-2012:

MS083	Abnormalities of the Shoulder Girdle
MS029	Abnormalities of Elbow and Forearm
MS061	Abnormalities of the Wrist and Hand
MS018	Abnormalities of the Lumbar Spine & Pelvis
MS020	Abnormalities of the Thoracic Spine
MS068	Abnormalities of the Cervical Spine

**Other Academic Involvement:**

Director, University of Manitoba Sport and Exercise Medicine Enhanced Skills Program, Department of Family Medicine (Legacy Site). 2016-present.

Director, University of Manitoba Musculoskeletal Fellowship, 2008-2016

Co-Director, Musculoskeletal and Insurance Medicine Fellowship, \$49,500 grant from Worker's Compensation Board of Manitoba 1998 Community Initiatives and Research Program.

Co-Chair, Organizing Committee, Canadian Academy of Sport Medicine Annual Meeting and Symposium. 2003.

Lecturer, Spinal Problems, University of Manitoba School of Medical Rehabilitation. 2000

Co-Chair, Organizing Committee, Sprains, Strains and Automobiles. Practical tips for the Primary Care Practitioner. A Multidisciplinary Symposium. Winnipeg MB, February 2000.

Co-Chair, Organizing Committee, Update of Soft Tissue Pain and Rehabilitation. An International Perspective. International Symposium, Winnipeg MB, May 1998.

Co-Chair, Organizing Committee, A Primer on Impairment and Disability. A Multidisciplinary Symposium. Winnipeg MB, Sept 1996.

Co-Chair, Organizing Committee, The Patient is Jeopardy, Streamlining the Approach to the Spine and Extremities. International Symposium, Winnipeg MB, Sept 1996.

Co-Chair, Canadian Academy of Sports Medicine Strategic Planning Committee, Sport Medicine Education Section, 1992.

Lecturer and Assistant Course Coordinator, University of Winnipeg School of Physical Activity and Sport Studies; Advanced Prevention and Care of Athletic Injuries, 1995.

Lecturer, Clinical Clerkship Program, University of Manitoba, Faculty of Medicine. 1985 - 1990.

Examiner, Canadian Academy of Sports Medicine Diploma Examination, Calgary, AB., February 1993.



Examiner, Objective Skills Clinical Examination, University of Manitoba, Faculty of Medicine  
1990, 1993.

Graduate Teaching Assistant, University of British Columbia Faculty of Medicine, Department of  
Anatomy, 1990 - 1992.

Examiner, Department of Anatomy, Faculty of Medicine, University of British Columbia  
1990-91.

Peer Reviewer, Clinical Journal of Sport Medicine- 1999-present

Grant Reviewer, Canadian Lifestyles and Fitness Research Institute 1991 - 1999.

Grant Reviewer, Sport Canada, Applied Sport Research Program, 1991 - 1999.

Book Reviewer, Clinical Journal of Sport Medicine, 1991 - present.

Manuscript Reviewer, Clinical Journal of Sport Medicine, 1991 - present.

Member, Stress Fracture Research Group, Allan McGavin Sports Medicine Centre. Vancouver,  
B.C., 1990 - 1994.

Lecturer, School of Physical Education, University of British Columbia, 1990 - 1991.

Lecturer, University of Manitoba Emergency Medicine Residency Program, Faculty of Medicine,  
1989 - 1990.

Lecturer, Family Medicine Residency Program, University of British Columbia, Faculty of  
Medicine, 1991.

Lecturer, Continuing Medical Education Service Faculty of Medicine, University of British  
Columbia, 1991.

Clinical Instructor, Sports Medicine Elective, Family Practice Residency, University of Manitoba  
Faculty of Medicine, 1992 - present.

### **Publications and writings:**

Craton N., Lenoski S., Ali H. COACH CV: The seven clinical phenotypes of concussion. Brain  
Sciences, September 2017.

Craton N., Leslie O. Does trauma cause CTE: Time for a new IDEA. Submitted to Brain Sciences  
June 2017.

Wisdom from the Homeless: What a doctor learned from his patients at a mission clinic.

Craton N. Diagnostic Triage in Patients with Spinal Pain. In: Rehabilitation of the Spine: A Practitioner's Manual-Third Edition. Editor Liebensohn C. Lippincott Williams & Wilkins. Copyright 2016.

Reply to letters to the editor: Time to re-think the Zurich Guideline on Concussion. A critique on the 2012 Zurich concussion guidelines. Lead Editorial, Clinical Journal of Sport Medicine. November 2014

Is rest the best intervention for concussion? Lessons from the whiplash model. Current Sport Medicine Reports. June/July issue, 2014.

Time to re-think the Zurich Guideline on Concussion. A critique on the 2012 Zurich concussion guidelines. Lead Editorial, Clinical Journal of Sport Medicine. March, 2014

Concussion: Purely a Brain Injury? Lead Editorial, Clinical Journal of Sport Medicine 2013 Sep;23(5):331-2

Concussions and their consequences: current diagnosis, management and prevention: Canadian Medical Association Journal; Dec. 10, 185(18). 2013. Letter to the editor.

"The Ideal Mentor...Do We Agree?" Al Hashemi, Craton N, et al. Submitted to the CMAJ April 2008

Craton N. Diagnostic Triage in Patients with Spinal Pain. In: Rehabilitation of the Spine: A Practitioner's Manual-Second Edition. Editor Liebensohn C. Lippincott Williams & Wilkins. Copyright 2007.

Mohan Radhakrishna, Neil Craton, Ross Hodgkinson, Peter Macdonald and Michael Davidson Isolated mid Popliteus injury in a Professional Football Player. Clinical Journal of Sport Medicine November 2003 p 376-377.

Adam C. and Craton N. Concussions: Diagnosis and management, head on. The Canadian Journal of Diagnosis. February 2002

Baydock B., and Craton N. Triangular fibrocartilage complex problems of the wrist.. The 5-Minute Sports Medicine Consult. Lippincott Williams and Wilkins 2001.

Baydock B., and Craton N. Adhesive Capsulitis of the shoulder. The 5-Minute Sports Medicine Consult. Lippincott Williams and Wilkins 2001.

Fougere G., Craton N., and Sommer H. Effectiveness of Viscosupplementation in the treatment of osteoarthritis of the knee: A critical review. Submitted to Clinical Journal of Sport Medicine

January 2000.

Craton N. The Quebec Task Force on Whiplash Associated Disorders and the British Columbia Whiplash Initiative: A Study of Insurance Industry Initiatives. Letter to the Editor. *Pain Research and Management* 2000 (5), 127-128.

Craton N. Journal Club Clinical Commentary on: Effectiveness of active physical training as treatment for long-standing adductor-related groin pain in athletes: randomised trial. *Lancet* 1999; 353:439-443. in *Clinical Journal of Sport Medicine* 1999; 9 (4)

Craton N. Journal Club Clinical Commentary on Robbin S., Waked E. Hazard of deceptive advertising of athletic footwear. *Br. J Sports Med* 1997; 31:229-203 in *Clinical Journal of Sport Medicine* 1998; 8 (3).

Craton N. and Cosman M. A User Friendly Approach to Acute Low Back Pain. *Canadian Journal Of Continuing Medical Education* 9 (1997) 51-61.

Craton N. Sports Injuries: Diagnosis and Management. Garrick and Webb. A book review. *Clinical Journal of Sports Medicine* 1 (1991) 267-268.

Craton N. and McKenzie D.C. "Orthotics in Injury Prevention" in: *Sports Injuries: Basic Principles of Prevention and Care* 1993. Editor, Per Renstrom, Blackwell, London.

McCargar L., Simmonds D., Craton N., Taunton J., Birmingham CL. Physiological Effects of Weight Cycling in Female Lightweight Rowers. *Canadian Journal of Applied Physiology* 18 (1993) 291-303.

Craton N. and Matheson G.O. "Training and Clinical Competency in Musculoskeletal Medicine: Identifying the Problem. (Medical Teaching of Musculoskeletal Medicine)". *Sports Medicine* 15 (1993) 328-337.

Craton N. "Exercise: An Important Prescription in Disease." *Medicine North America* 16 (1993) 494-500.

Craton N. *A Medical Curriculum on Common Musculoskeletal Disorders*. Masters Thesis. University of British Columbia Library, 1994.

## **RESEARCH PRESENTED AND ABSTRACTS SUBMITTED**

Craton N. and Matheson G.O. A Medical Curriculum on Common Musculoskeletal Disorders. Masters Thesis. *Abstracts of the 25<sup>th</sup> Annual Canadian Academy of Sports Medicine Research Symposium, Banff AB., February 1995*.

Craton N. and Matheson G.O. Stress fractures of the pars interarticularis, a retrospective review of 24 cases with positive bone scintigraphy. Abstracts of the 25<sup>th</sup> Annual Canadian Academy of Sports Medicine Research Symposium, Banff AB., February 1995.

Craton N. and Copen J. Isometric versus eccentric quadriceps strengthening exercises and their effect on pain and function in patellofemoral pain syndrome. Abstracts of the 25<sup>th</sup> Annual Canadian Academy of Sports Medicine Research Symposium, Banff AB., February 1995.

Mohan Radhakrishna\*, MD, FRCPC, Neil Craton MD, MHK, Dip. Sports Med, Ross Hodgkinson M.Sc., Dip. A.T., Peter Macdonald MD, FRCSC Dip. Sports Med., Michael Davidson MD, FRCPC. Isolated mid Popliteus injury in a Professional Football Player. Abstracts of the 2003 Canadian Academy of Sport Medicine Symposium, Winnipeg MB.

## **PROFESSIONAL/EDUCATIONAL PRESENTATIONS**

### **National and International Conferences:**

Concussion. Clinical Trajectories. Medical Education Resources Conference. Office Orthopedics and Sports Medicine for Primary Care. Palm Springs, California, February 2018

The diagnostic triage of low back pain. Medical Education Resources Conference. Office Orthopedics and Sports Medicine for Primary Care. Palm Springs, California, February 2018

Exercise prescription in primary care. Medical Education Resources Conference. Office Orthopedics and Sports Medicine for Primary Care. Palm Springs, California, February 2018

Concussion. Clinical Trajectories. Medical Education Resources Conference. Office Orthopedics and Sports Medicine for Primary Care. Chicago Illinois, June 2017

The diagnostic triage of low back pain. Medical Education Resources Conference. Office Orthopedics and Sports Medicine for Primary Care. Chicago Illinois, June 2017

Exercise prescription in primary care. Medical Education Resources Conference. Office Orthopedics and Sports Medicine for Primary Care. Chicago Illinois, June 2017

Shoulder problems in primary care. Medical Education Resources Conference. Office Orthopedics and Sports Medicine for Primary Care. Chicago Illinois, June 2017

Workshop on physical examination, exercise prescription, bracing and orthotic prescription. Medical Education Resources Conference. Office Orthopedics and Sports Medicine for Primary Care. Chicago Illinois, June 2017

Concussion. Clinical Trajectories. Medical Education Resources Conference. Office Orthopedics and Sports Medicine for Primary Care. New Orleans, Louisiana, April 2016

The diagnostic triage of low back pain. Medical Education Resources Conference. Office Orthopedics and Sports Medicine for Primary Care. New Orleans, Louisiana, April 2016

Exercise prescription in primary care. Medical Education Resources Conference. Office Orthopedics and Sports Medicine for Primary Care. New Orleans, Louisiana, April 2016

Shoulder problems in primary care. Medical Education Resources Conference. Office Orthopedics and Sports Medicine for Primary Care. New Orleans, Louisiana, April 2016

Workshop on physical examination, exercise prescription, bracing and orthotic prescription. Medical Education Resources Conference. Office Orthopedics and Sports Medicine for Primary Care. New Orleans, Louisiana, April 2016

Concussion: Clinical trajectories: Yukon Health and Safety Board, Whitehorse Yukon Territory, January 2016

Concussion: Fact checking on the crisis? Myth or reality. Yukon Health and Safety Board, Whitehorse Yukon Territory, January 2016

Repetitive Motion Disorders. The absence of injury and the absence of healing. Yukon Health and Safety Board, Whitehorse Yukon Territory, January 2016

Hip problems and PRP, Viscosupplements and Steroid Injections. Canadian Football League Health and Safety Committee annual meeting. Toronto Ontario, February 2015.

Time to Re-Think the Zurich Guidelines. Pod Cast. Clinical Journal of Sport Medicine. March 2014.

Concussions. Crisis, what crisis? Canadian Orthopedic Association Annual Meeting. Winnipeg MB. June 2013

Canadian Academy of Sport Medicine Annual Symposium. Vancouver B.C. May 2004.

Concussions in sport. Diagnosis and management. Canadian National Emergency Medicine Conference. Winnipeg MB., June 2003.

MRI usage in sport medicine. Case Presentations. Canadian Academy of Sport Medicine Annual Meeting and Symposium. Winnipeg June, 2003.

Chair, 2 minutes, 2 slides. Canadian Academy of Sport Medicine Annual Meeting and Symposium. Winnipeg June, 2003.

Diagnostic Triage in Low Back Pain. Back to the Future. Canadian Pain Society International Conference. Winnipeg Mb., May 2002

Low back pain. Primary Care Triage and hands on spinal examination techniques. Grey Cup Sports Medicine Conference. Montreal, November 2001.

Key-Note Speaker, Dinner Address, Canadian Association of Athletic Therapist's Annual Conference: Winnipeg MB. June 1999

Soft tissue pain syndromes and motor vehicle collisions. Canadian Life Insurance Medical Officers Association National Conference. Winnipeg MB. May 1999.

Continuing Medical Education for Physicians Dealing with Musculoskeletal Problems. Association of Workers Compensation Boards of Canada National Conference. Winnipeg MB., July 1998

Soft Tissue Pain Syndromes and Disability. Update on Soft Tissue Pain and Rehabilitation. An International Perspective. Winnipeg MB. May 1998.

Health Care Pearls in Case Management. Update on Soft Tissue Pain and Rehabilitation. An International Perspective. Winnipeg MB. May 1998.

Pain Management Techniques. Los Angeles College of Chiropractic Post-Graduate Rehabilitation Fellowship. Los Angeles California. July 1997, Philadelphia PA, March 1998, Boston June 1998.

Do Clinicians Disable Their Patients? Examining the Vortex of Musculoskeletal Disability. Taking Charge of Workers' Compensation: Disability Management and Return to Work. Ontario Occupational Safety and Health Conference. Toronto, Ontario June 1997

Exercise, Athletics and Life: Lessons from The Flood. Keynote address; Canada Summer Games Sports Medicine Conference, Brandon MB., May 1997.

Concussions, Cruciates and Cardiac Cases: Fit to Play? Canada Summer Games Sports Medicine Conference, Brandon MB., May 1997.

Wrist Problems in Sport. Canada Summer Games Sports Medicine Conference, Brandon MB., May 1997.

Back Injuries in the Athlete. Canada Summer Games Sports Medicine Conference, Brandon MB., May 1997.

Injections: Good, Bad or Ugly. Tips on Technique and Timing. Canada Summer Games Sports Medicine Conference, Brandon MB., May 1997.

The Patient in Jeopardy, Introductory lecture for The Patient is Jeopardy, Streamlining the Approach to the Spine and Extremities. International Symposium, Winnipeg MB, Sept 1996.

My Approach to Shoulder Problems: Weak, Unstable, Unbalanced and Irrelevant. The Patient is Jeopardy, Streamlining the Approach to the Spine and Extremities. International Symposium, Winnipeg MB, Sept 1996.

Exercise and your health: Separating truth from fashion. Exercise and your heart. Into the next millenium. International Symposium. Winnipeg MB. Oct 1996.

Stress fractures of the lower extremity. Sports Medicine Concerns in Basketball. University of British Columbia Sports Medicine Conference in affiliation with the National Basketball Association Vancouver Grizzlies, Vancouver, November, 1995.

Overuse Knee Problems: The knee in jeopardy. Sports Medicine Concerns in Basketball. University of British Columbia Sports Medicine Conference in affiliation with the National Basketball Association Vancouver Grizzlies, Vancouver, Nov. 1995.

Workshops on lower extremity stress fractures and overuse knee pain. Sports Medicine Concerns in Basketball. University of British Columbia Sports Medicine Conference in affiliation with the National Basketball Association Vancouver Grizzlies, Vancouver, November, 1995.

Cervical Spine and Associated Airway Injuries. Professional Hockey Association of Athletic Therapists Annual Symposium, Kansas City, MI. June 1993.

Multidisciplinary Case Management – The Roles that Create Effectiveness. First Annual National Conference, Return to Work – Partnership in the 90's. Wpg., April 1994.

Recognition and First Aid Management of Orthopedic Injuries. Sports First Aid and Injury Prevention in the 90's. In conjunction with International Congress on Sport Medicine, Vancouver, B.C. April 1991.

### **Regional Presentations:**

Thrombolytic Therapy in Acute Myocardial Infarction. Grace General Hospital Grand Rounds, Wpg., MB. October 1985.

Emergency Treatment of Epistaxis. Grace General Hospital Emergency Rounds. Wpg., MB. March 1986.

Multiple Trauma: An assessment of outcome. Grace General Hospital Emergency Rounds. Wpg., MB. May 1986.

Evaluation of Back Pain in the Emergency Department. Health Sciences Centre Emergency Rounds, Wpg., MB. March, 1988.

Alcohol Abuse: A Ubiquitous Problem in the Emergency Setting, Health Sciences Centre Emergency Rounds, Wpg., MB. April 1988.

Migraine Headache in the Emergency Room. Health Sciences Centre Emergency Rounds, Feb., 1989 and Grace General Hospital Emergency Rounds, March, 1989, Wpg., MB.

Sports Medicine Emergencies. University of Manitoba CCFP-EM Residency Program, Wpg., MB., Sept. 1989, and Grace General Hospital Emergency Rounds, Dec. 1989.

Sexually Transmitted Disease Update. Grace General Hospital Grand Rounds, Wpg., MB. Jan. 1990 and Seven Oaks General Hospital Emergency Rounds, Wpg., MB., Feb. 1990.

Management of Family Violence in the Emergency Department. Concordia General Hospital Grand Rounds, Wpg., MB., March, 1990 and Health Sciences Centre Emergency Rounds, Wpg., MB., Feb. 1990.

Acute Dystonia: Tetanus or Drug Reaction. A Case Presentation. Health Sciences Center Emergency Rounds, Wpg., MB., March 1990.

Emergency Treatment of Sexually Transmitted Diseases. Emergency update Conference, Wpg., MB., 1988 and 1989.

Family Violence: The Medical Perspective. Manitoba Health Organization, Symposium on Family Violence 1990.

Exercise and Osteoporosis. British Columbia Osteoporosis Lecture series Society, Vancouver, B.C., Feb. 1991.

Performance Enhancing Substances in Sport. CIAU Anti-Doping Seminar, University of British Columbia, March 1991.

Community Sports Medicine for the Family Practitioner. University of British Columbia Department of Family Practice, Faculty of Medicine, May 1991.

Injuries in "Spring Training" CBC Radio Interview, Vancouver, B.C., April 1991.

Concepts in Musculoskeletal and Exercise Medicine Curricula in the Medical School. Allan McGavin; Sports Medicine Centre Rounds, Vancouver, B.C., May 1991.

Pediatric Sports Medicine, Continuing Medical Education Seminar, University of British Columbia, Faculty of Medicine Continuing Medical Education, Gibsons, B.C., Oct. 1991.



Shoulder Pain, Continuing Medical Education Seminar, University of British Columbia, Faculty of Medicine Continuing Medical Education, Prince George B.C., Oct. 1991.

Overuse Injuries of the Shoulder. 10<sup>th</sup> Annual Fall Sports Medicine Symposium, Vancouver B.C., Nov. 1991.

Common Foot Problems in Sports Medicine. St. Paul's Hospital Family Practice Rounds. Vancouver, B.C., Nov. 1991.

Impingement Syndrome of the Shoulder. Workers Compensation Board of Manitoba Continuing Medical Education Seminar, Wpg., MB., Oct. 1992 and Grace General Hospital Grand Rounds, March 1993.

Repetitive Strain Injuries to the Shoulder. University of Manitoba Emergency Department Rounds. Wpg., MB., Oct. 1992.

Common Foot Problems in Primary Care Medicine. University of Manitoba Emergency Department Rounds. Wpg., MB., Nov. 1992.

Toward an Understanding of Back Pain. Lecture to Adjudicator Staff, Worker's Compensation Board of Winnipeg, Dec. 1992.

Repetitive Strain Injuries. World Safety Organization, Mid Canada Chapter, Wpg., MB., Dec. 1992.

The Workers Compensation Process. Family Medicine Continuing Medical Education Seminar. Winnipeg, MB., Feb. 1993.

Acute Knee Injuries in the Athlete. University of Winnipeg Faculty of Physical Education, Prevention and Care of Athletic Injuries, March 1993.

Shoulder Injuries in the Emergency Department. Grace General Hospital Emergency Rounds. March 1993.

Impingement of the shoulder; Non-Operative Treatment. Symposium on Sports Medicine – The Shoulder and Elbow. Wpg., MB., May 1993.

Clinical Evaluation of the Painful Shoulder. 9<sup>th</sup> Annual Imaging Symposium, Department of Continuing Medical Education, Department of Radiology, University of Manitoba, Wpg., Oct. 1993.

Diagnosis and Management of Common Shoulder Problems, Continuing Education for Family Physicians, University of Manitoba, Wpg., Oct. 1993.

CIAU Anti-Doping Presentation, University of Winnipeg Varsity Athletes, Wpg., MB. Oct. 1993.

Symposium on Shoulder Problems: Clinical Examination and the Impingement Syndrome, Workers Compensation Board of Manitoba Continuing Medical Education Seminar, Steinbach, MB, Oct. 1993.

The Female Athlete Triad: Amenorrhea, Eating Disorders and Osteoporosis. Pan-Am Sports Medicine, Orthopedic and Rehabilitation Centre, and Canadian Women's National Volleyball Team Educational Seminar, Wpg., Oct. 1993.

Back to Basics; Demystifying Low Back Pain. Continuing Medical Education Seminars, Sponsored by the Workers Compensation Board of Manitoba and the Continuing Medical Education Division of the University of Manitoba. Dauphin, MB, March 1994, Swan River, MB, March 1994, Seven Oaks General Hospital, Wpg., MB, Grand Rounds, November 1994, Selkirk, MB, February 1995, Morden, MB, March 1995, Concordia General Hospital Grand Rounds, Wpg., MB, March 1995.

Clinical Examination of the Back. 1994 Annual Scientific Assembly of the Canadian College of Family Physicians, Wpg., MB.

Clinical Examination of the Shoulder. 1994 Annual Scientific Assembly of the Canadian College of Family Physicians, Wpg., MB.

Clinical Examination of the Knee. 1995 Annual Scientific Assembly of the Canadian College of Family Physicians, Wpg., MB.

Rational use of hyperbaric oxygen therapy. Prime Time Sports radio interview, C.J.O.B.. radio program. Wpg., MB, Nov. 1995.

The wrist, is it really an enigma? Manitoba Federation of Labour, Wpg., MB, March 1995.

Repetitive strain injuries of the upper extremity. Special Multidisciplinary presentation. Seven Oaks General Hospital, Wpg., MB, March 1995.

The Knee in Jeopardy. Special educational "game show". University of Manitoba Department of Emergency Medicine Rounds, Wpg., MB, April 1995.

Fibromyalgia and Myofascial Pain: Myth or Reality? Return to Work Conference, Wpg., MB, April 1995.

Chronic Pain Syndrome Neuroscience Grand Rounds, Health Sciences Centre, Wpg., MB, Oct. 1995.

Soft Tissue Sequelae of Whiplash Associated Disorders: Myth or Reality? Neuroscience Grand Rounds, Health Sciences Centre, Wpg., MB, Oct. 1995.

Repetitive strain injuries of the lower extremity. Physical Medicine and Rehabilitation Resident Rounds, University of Manitoba, Winnipeg Feb. 1996

Injuries of the lower extremity associated with marathon training. Manitoba Marathon Workshop. Kinsmen Reh-fit Centre, Winnipeg MB, Jan. 1996

Whiplash Associated Disorders. Continuing Medical Education seminar, Selkirk MB., Feb. 1996

Understanding Low Back Pain in 60 minutes. A simple approach to a complex problem. Canadian Family Physicians Scientific Congress. Winnipeg MB., March 1996.

Relax, A user friendly approach to low back pain. Pan-Am Sports Medicine Clinic Rounds. Winnipeg MB, March 1996.

Pediatric Repetitive Strain Injuries: Issues in training for a Super-run. Manitoba Marathon Teachers Clinic. Winnipeg, MB. April 1996.

A Morning of Musculoskeletal Discussion. University of Manitoba Continuing Medical Education seminar. Flin Flon, MB. April, 1996

The Wrist: Is it really an enigma? University of Manitoba Continuing Medical Education seminar. Teulon MB. April 1996.

A Day Of Musculoskeletal Discussion. Low Back Pain, Whiplash Associated Disorders, Fibromyalgia and Myofascial Pain. University of Manitoba Continuing Medical Education seminar, Thompson, Dauphin and Swan River MB, June 1996.

Understanding chronic pain. Manitoba Teachers Society Workshop. Winnipeg MB, Oct. 1996.

Head Injury in Sport: The increasing concern over concussions. Prime-Time Sports, C.J.O.B. radio presentation. November, 1996.

Exercise and Your Health: Separating Truth from Fashion. Grace General Hospital Grand Rounds. Winnipeg MB., December 1996.

Day of Musculoskeletal Education for Community Physicians. Winkler/Morden area. Manitoba. November 14, 1996.

Musculoskeletal Examination Skills for Family Physicians. St.Rose du Lac MB. January 1997.

Fit or Fad. The Kinsmen Reh Fit Centre "Affairs of the Heart". Winnipeg MB. February, 1997

Marathons: No myths, no misery. Trainsmart symposium, Manitoba Marathon, Winnipeg, April 1997.

Moderator: Impingement Revisited Conference. Continuing Medical Education Conference on the shoulder joint complex. Winnipeg MB. May 1997

When You Think Its Impingement and Its Not. Impingement Revisited Conference. Winnipeg MB. May 1997.

Fibromyalgia: A Contemporary View. Manitoba Claims Association Meeting. Winnipeg MB. November 1997.

Fibromyalgia: A Reasonable View. Concordia General Hospital Grand Rounds. Winnipeg MB. November 1997.

Assessment and Management of the Patient with Delayed Recovery. A Primer on Impairment and Disability. Winnipeg MB, January 1998.

The Last Paragraph: Weaning from Treatment and Returning to Work. A Primer on Impairment and Disability. Winnipeg MB, January 1998.

Clinical Examination of the Spine and Shoulder Girdle. Small Group Break Out Session. . A Primer on Impairment and Disability. Winnipeg MB, January 1998.

Panel Discussion: A Primer on Impairment and Disability. Winnipeg MB, January 1998.

Concussions in Sport: Sideline evaluation. Manitoba Head Injury Association Symposium on Concussion. Winnipeg MB. October 1998

Chair, Visiting Expert Symposium, The Pitfalls and management of the patient with chronic pain. Winnipeg November 1998.

It is, Osis and I don't Knows. Upper extremity repetitive motion disorders. Manitoba Federation of Labor occupational Health Symposium. Winnipeg, November 1998

How to help the patient with delayed recovery in ten minutes. Flin Flon and The Pas Continuing Medical Education, November 1998.

My approach to shoulder problems: Unstable, Unbalanced and Irrelevant. Victoria General Hospital Grand Rounds, Winnipeg, MB. December 1998.

Musculoskeletal Education Day. Continuing Medical Education Seminar, Dauphin MB. April 1999

The Fab Five. Five Exercises Every Clinician Should Know. Cardiac Rehabilitation: Applied Strategies for Client Centered Care. Winnipeg Manitoba, October, 1999.

Manitoba Head Injury Association 2<sup>nd</sup> Annual Concussion in Sport Seminar. Baseline Testing of the head injured Athlete. Winnipeg MB., Oct. 1999.

Upper Extremity Problems for the Chiropractic clinician. Brandon MB. November 1999.

The Fab Five. Five Exercises Every Clinician Should Know. Family Medicine rounds. St. Boniface General Hospital. Winnipeg December 1999.

Medicolegal Report Writing: The Last Paragraph. Family Medicine Rounds. Seven Oaks General Hospital. December 1999.

Are you Y2K Compliant. An update on myofascial pain syndrome and fibromyalgia. Pan-am clinic sports medicine rounds. Winnipeg, January 2000.

When what hurts is sinister. Red flags in musculoskeletal medicine. Sprains, Strains and Automobiles. Practical tips for the Primary Care Practitioner. A Multidisciplinary Symposium. Winnipeg MB, February 2000.

Panel Discussion. Sprains, Strains and Automobiles. Practical tips for the Primary Care Practitioner. A Multidisciplinary Symposium. Winnipeg MB, February 2000.

Shoulder problems in the working population. Workers Compensation Appeal Commission Presentation. June 2000.

Foot Problems in Family Practice. Plessis Medical Clinic Educational Rounds. Winnipeg MB., November 2000

Sports Medicine Continuing Medical Education. Concussions and Return to Play. Morden Manitoba, December 2000.

Musculoskeletal education day. Rural Continuing Medical Education Program, University of Manitoba Faculty of Medicine: Shoulder and Knee problems. From examination to return to activity. February 2001.

Speaker, Career night, Faculty of Physical Education, University of Manitoba. Physical activity in work, play and health. February 2001.

Concussion: Truth and Consequences. City Wide Emergency Rounds, St. Boniface General Hospital January 2001.

Stress Fractures of the Lower Extremity. Seven Oaks Hospital Rounds, February 2001.

Repetitive Motion Disorders. Concordia General Hospital Grand Rounds. February 2001.

Concussions and post concussion syndrome. University of Manitoba Continuing Medical Education for Family Physicians: Sports Medicine. May 2001

Lower Limb Injuries: Examination and management. University of Manitoba Continuing Medical Education for Family Physicians: Sports Medicine. May 2001

The Diagnosis of Low Back Pain. Complex Spine Day. University of Manitoba, Orthopedic and Neurosurgery. Winnipeg Manitoba, October 2001.

Whiplash and other Cervical Spine Disorders. Z-Joint research Project. Family Medicine Rounds. Seven Oaks General Hospital. November 2002

Musculoskeletal education day. Concussion and Post-concussion syndrome: Fact and Fallacies. Foot and ankle problems in primary care. Dauphin General Hospital . University of Manitoba Continuing Medical Education. November 2002.

Musculoskeletal education day. Concussion and Post-concussion syndrome: Fact and Fallacies. Foot and ankle problems in primary care. Swan River General Hospital . University of Manitoba Continuing Medical Education. November 2002.

The diagnostic triage of spine pain. Continuing medical education at the Boundary Trails Hospital, Morden Manitoba. March 2003

Weekend Warriors. Sports Medicine Injuries from Head to Toe. Annual Family Medicine Scientific Assembly. Winnipeg MB. April 2003

How to prevent spinal problems in health care workers. Annual Nurse Education Symposium. Concordia Hospital, Winnipeg MB. April 2003.

Shoulder problems in primary medical practice. Charleswood clinic, Winnipeg MB., September 2003

The diagnostic triage of spine pain. Continuing medical education. Health Action Centre, Winnipeg MB, October 2003

Communicating with insurance companies. Family medicine Continuing Medical Education. University of Manitoba, Winnipeg November 2003.

Joint injection seminar. Portage la Prairie Manitoba, November 2003.

Spinal segmental sensitization: Fact or Fiction. Rehabilitation Medicine Grand Rounds, Health Sciences Center, Winnipeg MB. January 2004.

The Flawed Five: Five exercises we should never perform. Concordia Hospital Nurses Education Week. May 2004.

Whiplash management in the rural setting. Hodgson Manitoba Hospital, December 2004.

Concussion in sport. Concordia General Hospital rounds. Winnipeg Manitoba, December 2004.

Computerized testing and concussion management. Sport Medicine Council of Manitoba Concussion seminar. Winnipeg MB. January 2005

Concussion: Diagnosis and Treatment. Concordia General Hospital rounds. Winnipeg Manitoba, March 2005.

Upper Limb Sports Injuries. Physical Medicine resident rounds. Health Sciences Center, Winnipeg Manitoba. March 2005.

Concussion: Diagnosis and Treatment. Health Action Center. Winnipeg Manitoba, April, 2005.

Computerized testing and concussion management. Grand Rounds, Physical Medicine and Rehabilitation, Health Sciences Center Winnipeg MB. January 2006

Whiplash. More than just a pain in the neck. University of Manitoba Family Medicine Continuing Medical Education Program. Winnipeg MB, December 2006.

Concussion. Office assessment and return to play guidelines. University of Manitoba Family Medicine Continuing Medical Education Program. Winnipeg MB, December 2006.

Red and Yellow Flags in the Diagnostic Triage of Spinal Pain Patients. Brandon Orthopedic Symposium, Brandon Manitoba, February 2007

The Good, the Bad and the Ugly. The Five best and the Five Worst Exercises for Human Health. Kinsmen Reh-Fit Centre, Winnipeg MB, October 2007.

Management of Concussion and Mild Brain Injury in the Emergency Room. City Wide Emergency Rounds, St. Boniface Hospital. Winnipeg MB., October 2007.

Update in Tendinopathies and Repetitive Motion Disorders. Continuing Medical Education for Family Physicians: Orthopedics. Winnipeg MB. February 2008

Acute Knee Joint Examination Techniques and Management. Continuing Medical Education for Family Physicians: Orthopedics. Winnipeg MB. February 2008

The Fab Five. Five exercises everyone should know. Manitoba Association of School Superintendents Annual Conference, May 2008.

ImPACT Concussion Software use in the Clinical Setting. Pan-Am Clinic, Winnipeg, September 2008.

Concussion Management. Sport Medicine Rounds. Pan-Am Clinic, Winnipeg, November 2008.

Red and Yellow Flags in the Management of Spinal Pain Patients. University of Winnipeg Athletic Therapy Students. Winnipeg MB., November 2008

Chronic pain and central sensitization. Workers Compensation Board's of Canada Medical Directors Meeting, Winnipeg Manitoba, May 2009

How to help when the doc can't. Return to Work Conference. Winnipeg MB. May 2010

The Good, the Bad and the Ugly. The Five best and the Five Worst Exercises for Human Health. Safework conference, Winnipeg Regional Health Authority. Winnipeg MB, May 2010

Concussions in Hockey. The use of ImPact in concussion management. AAA Hockey Board. Winnipeg MB. September 2010.

Shoulder problems in primary care. University of Manitoba Faculty of Medicine. Winnipeg, MB. January 2011.

Exercise prescription for primary care practitioners. University of Manitoba Faculty of Medicine Family Practice Program. Winnipeg, MB. February 2011.

MRI use for primary care practitioners. We're drying out and rotting. University of Manitoba Faculty of Medicine Family Practice Program. Winnipeg, MB. February 2011

Musculoskeletal Imaging: What helps, what hurts. Annual General Meeting of Manitoba Physiotherapists. Winnipeg MB. April 2011

Clinical management of osteoarthritis. Family Medicine Lunch Hour Tele-medicine series. University of Manitoba Faculty of Medicine. Winnipeg MB. May, 2011

Back pain and the Functional Movement Screen. Legacy Sport Medicine Rounds. Winnipeg MB. November, 2011

Concussion and whiplash: Are they the same thing? Manitoba Sport Concussion group. Winnipeg MB. February 2012.

Concussion in Football. Canadian Football League Medical Meeting, Toronto, Ont, Feb. 2012.

Concussion Management. Manitoba College of Family Physicians Annual Scientific Assembly. Winnipeg Manitoba. April 2012

The Weekend Warrior. Shoulders, knees and tendons in Family Practice. Manitoba College of Family Physicians Annual Scientific Assembly. Winnipeg Manitoba. April 2012



Concussion Management Controversy. University of Manitoba Rural Telemedicine Program. Winnipeg, Manitoba. April 2012

Strength Training for Injury Prevention in the Volleyball Players Shoulder, National Volleyball Summit, Winnipeg Manitoba, May 2102

Concussion: Diagnosis and Management. University of Manitoba Family Physician Continuing Medical Education day. January 2013

Sport Medicine: From head to Toe. Concussions, shoulder problems, knee injuries and foot and ankle pathology. University of Manitoba Faculty of Medicine Rural Education day, Boundary Trails Health Center, November 2013.

Concussion in Sport. Panel Discussion. University of Winnipeg Kinesiology and Applied Health Forum, March 2014.

A Perspective on Concussions: Past, Present and Future. Keynote speech, head's up dinner, Manitoba Brain Injury Association. June, 2014.

Shoulder and Knee Problems in Volleyball Athletes. National Women's Volleyball Integrated Support Team. Winnipeg, MB. June, 2014.

Ambulatory Orthopedic Trauma, the Legacy Clinic experience. Manitoba Orthopedic Symposium, Winnipeg , MB. October 2014

Hip, shoulder and knee problems in family practice. Telemedicine for rural Manitoba. Continuing Medical Education. University of Manitoba, Winnipeg January 2015.

Hip, shoulder and knee problems in family practice. Rural Manitoba. Continuing Medical Education. University of Manitoba, Boundry Trails Health Center March, 2015.

Concussions, the day after. Annual Scientific Assembly, College of Family Physicians of Manitoba, Winnipeg. April 2015

Medical management of concussion trajectories. Family Medicine Residents Education day, University of Manitoba. June 2015

The use of Cannabis in the Insurance Context. Manitoba Public Insurance Health Care services Retreat. September 2015

Concussion: Evidence based management. Brandon Primary Care Conference, Brandon Manitoba, October, 2015.

Exercise prescription for primary care practitioners The five exercises every clinician should know. Brandon Primary Care Conference, Brandon Manitoba, October, 2015.

The diagnostic triage of low back pain. University of Manitoba Continuing Medical Education Friday sessions; Winnipeg, MB, January 2016.

The diagnostic triage of low back pain. University of Manitoba Continuing Medical Education Rural program. Steinbach, MB, February 2016.

Concussion, A tale of two roads: Clinical trajectories and Crisis. University of Manitoba Continuing Medical Education Rural program. Steinbach, MB, April 2016.

Shoulder problems in Primary care. University of Manitoba Continuing Medical Education Rural program. Thompson MB, April 2016.

The seven clinical trajectories of concussion. Health Sciences Center Research Foundation. Winnipeg MB, February 2017.

The arthritis tsunami: Multi-disciplinary management. Reh fit center. Winnipeg Manitoba, February 2017.

Knee pain in the office. University of Manitoba Family Medicine Friday program. Winnipeg Manitoba, March, 2017.

Primary Care Management of Low Back Pain. "Best of Bannatyne" Webinar. University of Manitoba Faculty of Medicine Continuing Medical Education. Winnipeg Manitoba, March 2017.

COACH CV. The Clinical Trajectories of Concussion. WCB Manitoba Medical Services Rounds. Winnipeg, Manitoba, March, 2017

COACH CV. The Clinical Trajectories of Concussion in Pediatric Patients. University of Manitoba Pediatric Community Rounds, Winnipeg, Manitoba, April , 2017

Cannabis for pain management. Manitoba Public Insurance Retreat. Winnipeg, January 2018

Cannabis for pain management. Manitoba Public Insurance Case Manager training. Winnipeg, February 2018

## **CLINICAL EDUCATION ACTIVITIES**

Director of University of Manitoba Musculoskeletal Fellowship.

Fellows:	Dr. Marin Duke Dr. Brad Baydock Dr. Mohan Radhakrishna Dr. Kanwal Saran Dr. Darren Barber Dr. Bitu Amin Dr. Neesha Patel Dr. Oliver Leslie Dr. Kathleen Kinsner Dr. Stephane Lenoski Dr. Matthew Katz	Dr. Garnet Fougere Dr. Chris Adam Dr. Sean Gauthier Dr. Hashem el Hashemi Dr. Sylvia Loewen Dr. Maleen Mendis Dr. Enrico Mancini Dr. Saif Al Salmi Dr. Ayman Alushabumi Dr. Hatham Ali
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Clinical Instructor in Primary Health Care, Health Sciences Centre, University of Manitoba  
 Affiliated Teaching Hospitals, Rotating Internship Program, 1987 - 1990.

Supervisor, Conrad Hoy MD. Resident in Physical Medicine and Rehabilitation Longitudinal  
 Elective in Clinical Sport Medicine, Spring 1994. Supervisor, Harry Hoff MD, rotating intern. One  
 Month Clinical Rotation in Sports Medicine, April 1993.

Assistant Supervisor, Jim Langridge MD, Family Medicine Resident, One Month Clinical Rotation  
 in Sports Medicine, Dec. 1992.

Supervisor, Linda Parker MD. Family Medicine Resident, Longitudinal Elective in Sports  
 Medicine, Oct. 1993 - March 1994.

Supervisor, John Copen, BSC (MED) Successful Candidate, Isometric Versus Eccentric  
 Quadriceps strengthening in Patellofemoral Pain Syndrome, Completed August 1994.

Supervisor, Garnet Fougere Clinical Clerk University of Manitoba Faculty of Medicine, 6 week  
 elective in Sports Medicine. Feb. - March, 1995.

Assistant Supervisor, Andre Pacin, BSC (MED) Candidate, Proprioception in ACL Deficient Knees,  
 March 1993.

Clinical Supervisor, One Month Elective in Sports Medicine as part of Family Medicine  
 Residency, University of Manitoba Faculty of Medicine:

Paul Lee	Rex Sokolies	Sheila Peters
Charles Metcalfe	Karen Bergen	Monte Seper
Marlis Jabs	Michael Stephenson	Anjala Bardawaj
Rubeena Ahmed	Brian Quo	Michel Bruneau
Jose Mohammed	David Lam	Maureen Kennedy
Dedeisha Holowenko	Kathy Jones	Sylvia Loewen.
Ruth Skakum	Ronni Tolton	Brad Baydock

Andrew Borys	Marlene Wickman	Halim Tomy
Daphne Whitfield	Marin Duke-Lee	Phil Neilssen
Garnet Crawford	Permjeet Danjal	Nadine Fontigny
Garnet Fougere	Randi Arronson	Rob Poettker
Justine Fong	Lisa Yang	Rob Lacher
Maria Athaide	Kathy Goodmandson	Bruce Schlatter
Nick Able	Mike Rutledge	Sarah Johnstone
Chris Adam	Kerrie Wyant Crossman	Bunmi Fatoye
Marnie Waters	Mark Polle	Omar Rahaman
Jason Scott	Sean Gauthier	Andrew Migay
Ahmed Hashmi	Angela Doerksen	Jennifer Chan
Ram Sivasundaram	Aaron Mellon	Sarida Brar
Anjali Gupta	Shandis Price	Darren Barber
David Blondin	Chandra Dandekar	Bob Sangster
Keith Wilson	Jaimie Law	Jodie Brown
Jackie Goscimski	Keith Wilson	Erica Leung
Alicia Bradford	Laura White	Curt Kauenhofen
Tyler Burnside.	Felicity Huisma	Birinder Narwang
Matthew Katz	Catherine Guzman	Kamal Gill

Clinical Sport Medicine Elective Supervisor, Dr. L. Schledewitz, Chiropractor, University of Winnipeg Varsity Athletes, Sept. - Nov., 1995.

Supervisor, Andre Pacin, Clinical Clerk, University of Manitoba Faculty of Medicine, 6 week elective in Sports Medicine. Jan-Feb 1996.

Supervisor, Dr. H. Lau, Physical Medicine resident, elective in Sports Medicine.

Supervisor, Dr. M. Stitz, Physical Medicine resident, elective in Sports Medicine.

Supervisor, Dr. Alan Casey, Physical Medicine resident, elective in Sports Medicine.

Supervisor, Chris Adams, Clinical Clerk, One Month Elective in Sports and Musculoskeletal Medicine. November-December 1997

Supervisor, Heather Johnstone, Clinical Clerk, One Month Elective in Sports and Musculoskeletal Medicine. January 2000.

Supervisor, Eric Smith, Clinical Clerk, One Month Elective in Sports and Musculoskeletal Medicine. March 2000.

Member, Thesis Committee, Mikey Mork, University of Manitoba Master's of Physical Education. Thesis topic: Treatment for Delayed Onset Muscle Soreness. September 2000.

Supervisor, Kanwal Saran. Seven week elective in Sports Medicine. February, 2001

Supervisor, Raena Buksak. Four week elective in Sports Medicine. May, 2001

Supervisor, Dr. Sayed Shaik. One year rheumatology post-doctoral fellowship. July 2001-2002.

External Examiner, S. Arneja, University of Manitoba Faculty of Medicine B.Sc., Med Project: Evaluation of the Endopearl in femoral fixation of hamstring anterior cruciate ligament reconstruction. August 2001

Supervisor, Sajjad Hashmi. 4 week elective in Sports Medicine. May 2002.

Post-Doctoral longitudinal sport medicine elective. Dr. Sean Gauthier. August 2002

Supervisor, 4 week elective in sport medicine, Dr. Mike Boscko, Emergency Medicine resident. February 2003

Supervisor, 2 week elective in sport medicine, Riley Campbell 4<sup>th</sup> year medical student. February 2003.

Supervisor, 6 week elective in sport medicine, Dr. Hashem el Hashemi, Physical Medicine resident September 2003.

Supervisor, 4 week elective in sport medicine, Shannon Wiebe, 4<sup>th</sup> year medical student. January 2004.

Supervisor, 6 week elective in sport medicine, Dr. Lena Galemova, Physical Medicine resident January –March 2004.

Supervisor, 6 week elective in sport medicine, Dr. Darryl Perry, Physical Medicine resident January –March 2004.

Supervisor, 8 week elective in sport medicine, Dr. Hashem el Hashemi, Physical Medicine resident July 2004.

Supervisor, 3 week elective in sport medicine, Mark Morris, 4<sup>th</sup> year medical student, September 2004.

Supervisor, 4 week elective in sport medicine, Riydah Dekriat, Foreign medical graduate, December 2004.

External Examiner; B.Sc. (Medicine) project. Arthroscopic Rotator Cuff Repair with and without Arthroscopic Acromioplasty in the Treatment of Full-Thickness Rotator Cuff Tears. University of Manitoba, Faculty of Medicine, August 2005.

Supervisor, Kara Solmundson, 4<sup>th</sup> year medical student two week elective in sport and musculoskeletal medicine. October 2005

Supervisor, Maleen Mendis, 4<sup>th</sup> year medical student three week elective in sport and musculoskeletal medicine. October 2005

Supervisor, Rachel Fox, Memorial University Family Medical Resident, two week elective in sport and musculoskeletal medicine. October 2005

Supervisor, 6 week elective in sport medicine, Dr. Doug Priestly, Physical Medicine resident October –November 2005.

Supervisor, 6 week elective in sport medicine, Dr. Dan Hooper, Physical Medicine resident January –February 2006.

Supervisor, 2 week elective in sport medicine, Dr. Adarshdip Brar, Rheumatology resident January –February 2006.

Supervisor, 6 week elective in sport medicine, Dr. Doug Priestly, Physical Medicine resident October –November 2006

Supervisor, 6 week elective in sport medicine, Dr. Sepideh Pooyania, Physical Medicine resident November 2006- January 2007.

Supervisor, 6 week elective in sport medicine, Dr. David Hooper, Physical Medicine resident - January –February 2007.

Supervisor, 2 week elective in sport medicine, Dr. Thomas Jacob, Rheumatology resident, May 2007.

Supervisor, 6 week elective in sport medicine, Dr. Doug Priestly, Physical Medicine resident October –November 2007

Supervisor, 6 week elective in sport medicine, Dr. Mohammed Tahroni, Physical Medicine resident January- February 2008

Supervisor, 4 week elective in sport medicine, Dr. Robyn Mossman Family Medicine from University of Ottawa. May –June 2008

Supervisor, 6 week elective in sport medicine, Dr. Sepideh Pooyania, Physical Medicine resident May-June 2008

Supervisor, 6 week elective in sport medicine, Dr. Navjot Dhindsa, Rheumatology resident November 2006- January 2007.

Supervisor, 4 week elective in sport medicine, Richard Lindenschmidt, 4<sup>th</sup> year medical student. November 2008.

Supervisor, 4 week elective in sport medicine, Chris Funk 4<sup>th</sup> year medical student.  
December 2008.

Supervisor, 4 week elective in sport medicine, Ben Lulashynyk, 4<sup>th</sup> year medical student.  
January 2009.

Supervisor, 4 week elective in sport medicine, Dr. Shabah Khanhandi, Physical Medicine  
resident June, 2009.

Supervisor, 4 week elective in sport medicine, Dr. Amerijani, Physical Medicine resident May  
2009.

Supervisor, 4 week elective in sport medicine, Dr. Jennifer Salter Physical Medicine resident  
October, 2009.

Supervisor, Pediatric Sport Medicine Fellow. Dr. Erika Persson, July and August 2009.

Supervisor, Katrina Bruckschwaiger, Physician's assistant trainee, University of Manitoba  
Master's program, January 2010.

Supervisor, Laban Eskaros, Physician's assistant trainee, Winnipeg MB., 2010

Supervisor, 4 week elective in sport medicine, Dr. Saif el Sayami, Physical Medicine resident  
February, 2011.

Supervisor, 4 week elective in sport medicine, Dr. Jeff Klassen, Emergency Medicine resident  
February, 2011.

Supervisor, 4 week elective in sport medicine, Dr. Zoe Piggot, Emergency Medicine resident  
May, 2011.

Supervisor, 4 week elective in sport medicine, Dr. Kim Rosing, Memorial University Family  
Medicine resident April, 2011.

Supervisor, 4 week elective in sport medicine, Dr. Kathy Kinsner, Memorial University Family  
Medicine resident April, 2011.

Supervisor, 4 week elective in sport medicine, Dr. Oliver Leslie, University of British Columbia  
Family Medicine resident October, 2011.

Supervisor, 4 week elective in sport medicine, Dr. Melanie McCannell, University of British  
Columbia Family Medicine resident November, 2011.

Supervisor, 4 week elective in sport medicine, Dr. Daniela Stroescu, University of Manitoba Rheumatology Fellow, November, 2011.

Supervisor, 4 week elective in sport medicine, Dr. Ayman Alsuhabani, Physical Medicine resident November, 2011.

Supervisor, 4 week elective in sport medicine, Dr. Katie Cook, Medical Student, February, 2014

Supervisor, 6 week elective in sport medicine, Dr. Justin March, Physical Medicine and Rehabilitation resident, November, 2014

Supervisor, 6 week elective in sport medicine, Dr. Hatham Ali, Physical Medicine and Rehabilitation resident, December, 2014

Supervisor, 2 week early exposure to sport medicine, Elliot Wong, Med 2, University of Manitoba. June 2015

Supervisor, 4 week elective in Sport and Exercise Medicine, Meagan Springman, University of Ottawa, December 2015- January 2016

Supervisor, 6 week elective in sport medicine, Dr. George Deng, Physical Medicine and Rehabilitation resident, June 2016

Supervisor, 6 week elective in sport medicine, Dr. Marcus Ng, Physical Medicine and Rehabilitation resident, November 2016-January 2017.

Supervisor, Elective in Sport and Exercise Medicine, Amber Cogar, Rheumatology Fellow, May 2017.

Supervisor, Elective in Sport and Exercise Medicine, Mai Nguyen, Rheumatology Fellow, May 2017.

Supervisor, Two week elective in Sport and Exercise Medicine, Kyle Hancock, Fourth year student, January 2018

Supervisor 4 week elective in Sport and Exercise Medicine, Harpal Chaudary, Physical Medicine Resident. University of Manitoba, April , 2018.

## **FIELD EXPERIENCE IN SPORTS MEDICINE**

Team Physician, Winnipeg Blue Bombers, Professional Football Club 1996-present

Team Physician, Winnipeg Jets Professional Hockey Team 1992 - 1994.



Physician, XIIIth Pan-American Games, Winnipeg MB, summer 1999 (venues: polyclinic, wrestling, basketball and Team Physician, Women's Volleyball)

Physician, National Sport Center of Manitoba  
(Supported by the Canadian Olympic Association) 1998-Present

Medical Officer, Canadian Figure Skating Championships, Winnipeg MB, January 2001.

Supervising Physician, Winnipeg Cyclone, Professional Basketball Team 1998-1999

Support Physician, 1998 Grey Cup Game, Winnipeg, MB., November 1998

Physician, CFL Spring Player Evaluation Camp, Winnipeg MB, 1998, 1999, 2000

Physician, Manitoba Cycling Association. 1998-Present

Medical Assistant, Canadian Ironman Triathlon Championship, Penticton, B.C. 1990.

Medical Advisor, Ironkids, Juvenile Triathlon Association, Wpg., MB, 1990.

Team Physician, University of British Columbia Varsity Hockey, 1990-1991.

Team Physician, University of British Columbia Varsity Football, 1990.

Medical Assistant, Harry Jerome Invitational Track Meet, Vancouver, B.C., 1991.

Physician, Manitoba Triathlon Association. 1992 - Present.

Certified Doping Control Officer, Canadian Centre for Drug Free Sport, 1992 - present.

Attending Physician, Canadian National Junior Badminton Championships, Winnipeg, MB, March 1995.

Team Physician, Canadian National Women's Volleyball Team, Wpg., MB. 1992 - present.

Physician, University of Winnipeg, Varsity Intercollegiate Athletics 1992 - present.

Tournament Physician, Canada Cup, International Volleyball Invitational Tournament, for Canadian National Volleyball Team, Winnipeg, MB, March 1993, 1994, and 1998.

Tournament Physician, Intercontinental Cup, Olympic Qualifying Women's Volleyball Tournament, Winnipeg MB., March 1996.

Team Physician, 1996 Canadian Olympic Women's Volleyball Team, Spring-summer 1996.

Physician, MTS Canadian Tour Professional Golf Tournament, Winnipeg MB. July 1998.

Team Physician, Canadian National Women's Volleyball Pan-American Games Team, 1999

Tournament Physician, Continental Cup, Men's National Volleyball Team Olympic Qualifying Tournament, Winnipeg MB., January 2000.

Team Physician, Winnipeg Rifles Senior Football Team, 2002, 2003, 2004.

Clinic Coordinator. National Junior Girls Soccer Tournament. Winnipeg MB. October 2003.

Attending physician. NORCECA Women's Volleyball Tournament, Winnipeg MB, September 2007.

Team Delegate, Canadian Football League Medical Meeting, Toronto, Ontario, February 2012.

Attending physician. NORCECA Olympic Qualifying Women's Volleyball Tournament, Tijuana Mexico, April 2012.

Team Delegate, Canadian Football League Medical Meeting, Calgary Alberta, January 2018

#### **NATIONAL AND INTERNATIONAL EDUCATIONAL CONFERENCES ATTENDED:**

Canadian Academy of Sport Medicine Annual Symposium. In conjunction with International Congress on Sport Medicine, Vancouver, B.C. April 1991.

Canadian Academy of Sport Medicine Annual Symposium. Quebec City 1992

First International Conference on the Sacro-iliac Joint. San Diego California, November 1992.

Canadian Academy of Sport Medicine Annual Symposium. Banff Alberta, 1993

Second International Conference on the Sacro-iliac Joint. Orthopedic Medicine Society. Orlando Florida. February 1994.

Canadian Academy of Sport Medicine Annual Symposium. Ottawa Ontario, 1994

Canadian Academy of Sport Medicine Annual Symposium. Twenty-fifth Annual Conference Banff Alberta, 1995

American College of Occupational and Environmental Medicine Fundamental and Advanced Courses in Impairment and Disability Evaluation. New Orleans Louisiana, September 1995

Diagnosis and Management of the Neck and Back. Association of Rehabilitation Medicine of Manitoba National Conference. Winnipeg MB. 1996.

Joyner International Sport Medicine Conference on the Knee and Shoulder. Hilton Head South Carolina, November, 1997.

World Congress on Whiplash Associated Disorders. Vancouver B.C., February 1999.

Canadian Academy of Sport Medicine Annual Symposium. Whistler B.C., March 1999.

Treatment of Rheumatoid Arthritis and Osteoarthritis with Anti-inflammatories. Paris France, June 2000.

Advanced Diagnosis and Treatment for Neck and Back Pain 2000. American Back Society, Vancouver BC., Dec 2000.

Level One, Part One, Anatomical Acupuncture, Acupuncture Foundation of Canada, Winnipeg MB. March 2002.

Back to the Future. Canadian Pain Society International Conference. Winnipeg MB. May 2002.

Canadian Academy of Sport Medicine Annual Meeting and Symposium. Winnipeg June, 2003.

Rendez-vous 2004. Multi-national Sport Medicine Conference. Vancouver BC. April 2004.

International Olympic Committee National Team Physician Course: Preparation for Major Games. Toronto, Ontario. May 2004

46<sup>th</sup> Annual Manitoba Orthopedic Symposium, "Ortho 2006". Winnipeg MB., October 2006

Pain Medicine: A state of the art Course in Pain Management for the Non-Pain Specialist. Mayo Clinic. Key West Florida, January 2007.

Canadian Athletic Therapy Association, National Conference, Winnipeg, May 2007

47<sup>th</sup> Annual Manitoba Orthopedic Symposium, "Ortho 2007". Winnipeg MB., October 2007

48<sup>th</sup> Annual Manitoba Orthopedic Symposium, "Ortho 2008". Winnipeg MB., October 2008

Canadian Academy of Sport Medicine Advanced Sport Medicine Course, Vancouver B.C., June 2009.

2010 Annual Pain Medicine Meeting and Workshops.. American Society of Regional Anesthesia and Pain Medicine. Phoenix Arizona, November 2010.

2012 Annual conference of the International Federation of Health Plans: Chronic Non-Communicable Diseases around the world. Buenos Aries, Argentina, March 2012.

Sideline Emergency Course, Canadian Academy of Sport and Exercise Medicine, Kelowna B.C. 2012

American College of Sport Medicine Team Physician Course, Miami Fla. February 2013.

Rheumatology and musculoskeletal medicine for the primary care physician. Palm Springs, CA,. February 2014.

2014 Annual conference of the International Federation of Health Plans: Big Data in Health Care. Madrid Spain, May 2014.

Dermatology for the primary care physician. Phoenix Arizona. February 2015.

Geriatrics for the Primary care physician. Phoenix Arizona, February 2016.

## **COMMUNITY SERVICE**

Volunteer, Saul Sair Medical Clinic, Siloam Mission, Winnipeg MB, July 2009-present. Medical service to homeless people.

Assistant Coach, Westgate Junior Varsity basketball team. 2011-2012.

Volunteer, New Canadians Help Network, English as a second language classes. Bethesda Church. Winnipeg MB. 2010-present.

Assistant Coach, Westgate Junior Varsity basketball team. 2010-2011.

Coach, Westgate Junior boys basketball team. 2008-2010.

Chair, Council of Bethesda Church, Winnipeg MB., 1999-2008, 2010-2016.

Coach, Friday Night Basketball. Athletes in Action. Winnipeg Manitoba, 2002, 2003, 2004.

Assistant Coach, Richmond Kings Boys Basketball, 2007-2008

Chair, Decision Making in Professional Ethics Seminar. St. John's Ravenscourt High School, Wpg., MB, April 1996 and 1997, 2001.

Volunteer Team Leader, Decision Making in Professional Ethics Seminar. St. John's Ravenscourt High School, Wpg., MB, April 1994, 1995, 1998, 1999, 2000.

Member, Organizing Committee, 1998 Athletes in Action Grey Cup Breakfast Committee. May-December 1998.

Volunteer, Union Gospel Mission, Core Area Shelter for the Homeless, Wpg., MB. 1988 - 1990.

Member, Board of Elders, Bethesda Church, Wpg., MB. 1987 - 1990, 1992 – 1995, 1997, 2003, 2005, 2007-present.

Member, Board of Directors, Manitoba Triathlon Association, 1992 - 1993.

Co-Chair, Medical Drug Committee, Manitoba Triathlon Association, 1992.

Superintendent, Sunday School, Bethesda Church, Wpg., MB. 1987 - 1990.

Medical Advisor, Ironkids, Juvenile Triathlon Association, Wpg., MB. 1990.

Speaker, Career Day, Winnipeg School Division Number One, 1989.

Player-Coach, Elm Street Athletic Association Senior Mens Basketball Team, Wpg., MB. 1982 - 1984.

Team Leader: Bethesda Church Adult education program. Winnipeg MB, 1993-2000.

Chair, Committee on Women in Leadership. Bethesda Church, Winnipeg MB, 1992-1994.

## **INTERESTS AND RECREATIONAL ACTIVITIES**

### **Current Research Activities:**

- Concussion management and diagnosis.
- Clinical phenotypes of concussion.
- Chronic traumatic encephalopathy and pharmaceutical exposure
- King Devick test in concussion assessment (CFL/NFL study).
- Back pain in primary care
- Curriculum in upper extremity disorders for second year medical school.
- Identification of common musculoskeletal disorders.
- The sociological phenomenon of concussion.
- The relationship between whiplash and concussion.
- The psychosocial factors related to post concussion symptom reporting.

**Athletic Pursuits:**

- Endurance training; completed 12 marathons, 7 half marathons and eight half Ironman triathlons.
- Completed 1991, 1992 and 1993 Ironman Canada, North American Triathlon Championships, Penticton British Columbia.
- Second Place, age group, Lac Du Bonnet Olympic distance triathlon, July 2003
- Snow skiing and waterskiing