

**DR. SHANNON M. BAUMAN**  
**BSc, BScN, MD, CCFP(SEM), FRACGP, Dip. Sport Med (CASEM)**  
**Primary Care Sports Medicine Physician**

**CONCUSSION NORTH**  
**ROYAL VICTORIA REGIONAL HEALTH CENTRE**  
**DEPT. OF SURGERY; DEPT. OF FAMILY MEDICINE**  
**LECTURER, DEPT. OF FAMILY MEDICINE**  
**UNIVERSITY OF TORONTO**  
**IOWA BOARD OF MEDICINE**  
[sbjockdoc@gmail.com](mailto:sbjockdoc@gmail.com)  
(515)300-7010

## **ACADEMICS**

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Canadian Academy of Sport Medicine  
**Diploma in Sport Medicine**  
May 2007

McMaster University, Hamilton, ON  
**Fellowship in Sports Medicine—PGY3**  
June 2006

Queen's University, Kingston, ON  
**Postgraduate Medicine —Family Medicine**  
June 2005

McMaster University, Hamilton, ON  
**Doctor of Medicine**  
May 2003

Bethel College, St. Paul, MN, USA  
**Bachelor of Science, Nursing**  
May 1998

St. Norbert College, De Pere, WI, USA  
**Bachelor of Science, Natural Science**  
May 1996

## **EMPLOYMENT**

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**DR. SHANNON BAUMAN MEDICINE, PLC., SPORTS MEDICINE AND CONCUSSION CLINIC**— Consultation and Management of all sports related injuries and sports concussions. Providing guidance and care to athletes of all ages and abilities in a clinic setting located within the new MidAmerican Energy RecPlex. Collaborating with schools and sports teams/organizations in delivering concussion education.

**MEDICAL DIRECTOR, FOUNDER, CEO OF CONCUSSION NORTH LTD.**—A Physician led team of inter-disciplinary expertise for the rehabilitation and medical management of concussions. A recognized world leader in the diagnosis and management of Sports and Exercise related concussions.

**SPORTS AND EXERCISE MEDICINE PHYSICIAN SPECIALIST**—Consultation based clinical sports and exercise medicine practice dedicated to the care of athletes ranging from recreational to professional levels.

Sports Medicine and Concussion Clinic  
West Des Moines, Iowa  
January 2022 to present

Concussion North  
Barrie, ON  
September 2014 to July 31, 2020

FMTU Sports Medicine Clinic  
Barrie, ON  
October 2013 to present

Sports Medicine & Rehabilitation Centre  
Barrie, ON  
July 2009 to June 2012

Active Health Sports Medicine  
Barrie, ON  
April 2009 to December 2009

Levy- Elliott Sports Medicine Clinic  
Burlington, ON  
July 2006 to July 2007

Newcastle Knights Administration  
Newcastle, Australia  
July 2008 to December 2008

**INDEPENDENT CONSULTANT: CONCUSSION**—Providing independent consultation to assist hospitals, clinics and organizations in establishing concussion programs and high-quality concussion models of care.

Iowa Physicians Clinic, Medical Foundation, UnityPoint Clinic, Urbandale, Iowa, USA; March 2019 to May 2019

**INDEPENDENT CONSULTANT: CONCUSSION**—Providing independent medical consultation through assessing, diagnosing and treating sports related concussions for professional and elite athletes. Working together with team physicians and medical staff to assist in the medical care of athletes.

Chicago Avalanche, NHL; Barrie Colts, OHL; North Bay Battalion, OHL; St. Mike's Majors, OHL; St. Andrew's College, Aurora, ON

**SURGICAL ASSIST**— Assisting in a variety of General Surgery and Orthopedic surgical cases with a focus on total hip and knee Arthroplasty.

Royal Victoria Hospital  
Barrie, ON  
March 2009 to present

Brantford General Hospital  
Brantford, ON  
July 2006 to December 2007

Hamilton Health Sciences  
Hamilton, ON  
October 2005 to December 2007

**PUBLIC HEALTH REGISTERED NURSE**  
Peterborough City- County Health Unit  
Peterborough, ON  
Healthy Babies, Healthy Children Program  
September 1999—July 2000

**REGISTERED NURSE**  
Mayo Medical Center  
Rochester, MN, USA  
Community Internal Medicine  
July 1998—August 1999

## **AWARDS**

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2019 Mayor's Innovation Award: finalist, Innovative Institution: Concussion North, Honourable Mention

2017 Minister's Medal of Honor—Honour Role; Ministry of Health and Long-Term Care

Nomination: 2018 Minister's Medal of Honor—Team Award; Ministry of Health and Long-Term Care

## **GUIDELINES**

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*Update and Implementation of the Guidelines for Diagnosing and Managing Pediatric Concussion: 2nd Edition. Ontario Neurotrauma Foundation Grant. 2017 Dec - 2019 April. 252,396 CAD. Principal*

Investigators: Zemek, R. & Reed, N. Co-Investigators: Babul, S., Bauman, S., Bayley, M, Beauchamp, M., DeMatteo, C., DePompei, R., Ellis, M., Emery, C., Fait, P., Fremont, P., Gagnon, I., Gioia, G., Giza, C., Goulet, K., Marshall, S., Macartney, G., Meehan, W., Purcell, L., Schneider, K., Yeates, K.

*Updated Statement on Concussion Baseline Testing in Canada.* Parachute and Canadian Concussion Collaborative (November 2018). Toronto: Parachute. Expert Advisory Committee on Concussions: Tator C, Ellis M, Babul S, Bauman S, Cusimano M, Emery C, Fremont P, Goulet C, Logan L, MacPherson A, Reed N, Schneider K, Singhal A, Vasilyadi M, Zemek R.

*Canadian Guideline on Concussion in Sport.* Parachute (July 2017). Canadian Guideline on Concussion in Sport. Toronto: Parachute. Expert Advisory Committee on Concussions: Tator C, Ellis M, Babul S, Bauman S, Cusimano M, Emery C, Fremont P, Goulet C, Logan L, MacPherson A, Reed N, Schneider K, Singhal A, Vasilyadi M, Zemek R.

*Ontario Neurotrauma Foundation Standards for Post Concussion Care.* Ontario Neurotrauma Foundation (June 8, 2017) Toronto: ONF. Concussion Advisory Subcommittee: Velikonja D, Baldisera T, Bauman S, Davis S, Di Salle C, Freedman M, Ouchterlony D, Quon D, Reed N, Sims K, Wilcock R, Zemek R.

*Ontario Neurotrauma Foundation Guidelines for Concussion/mTBI & Persistent Symptoms 3<sup>rd</sup> Edition.* Guideline Development Committee/Contributor; publication & release June 2018.

*Statement on Concussion Baseline Testing in Canada.* Parachute (August 2017). Toronto: Parachute. Expert Advisory Committee on Concussions: Tator C, Ellis M, Babul S, Bauman S, Cusimano M, Emery C, Fremont P, Goulet C, Logan L, MacPherson A, Reed N, Schneider K, Singhal A, Vasilyadi M, Zemek R.

## **PUBLICATIONS**

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Bauman S., MacDonald J., Glatt C., Doktor-Inglis I., McLean J. A novel clinical practice tool increases patients' understanding of concussion care within an interdisciplinary clinic. *Journal of Concussion*, vol. 3, Nov 7, 2019.

Ellis M., Bauman S., Cowle S., Fuselli P., Tator C.: Primary care management of concussion in Canada. *Paediatrics and Child Health*, 2019, 1-6.

Bauman S, Ray M, Joseph P. Gender Differences in Clinical Presentation and Recovery of Sports Related Concussions. *BJSM* June 2017, 51 (11) A35

Kelly Russell K., Ellis M., Bauman S, and Tator C. Youth sport concussion legislation in Canada: brief review, conceptual framework and recommendations. *CJNS*. Online: 10 January 2017, pp. 1-10

Bauman S., Joseph, P., Ray, M. Gender Differences in Clinical Presentation and Recovery of Sports Related Concussions. Abstract, 5th International World Consensus in Sport Concussions, Berlin, Germany, Oct 2016, *BJSM*. July 2017 (In Print).

Bauman S., Williams D, Petrucelli D, et al. Physical Activity After Total Joint Replacement: A Cross-Sectional Survey. *Clinical Journal of Sport Medicine*. March 2007; 17 (2): 104-108.

Levy D, Bauman S. Medial and Lateral Epicondylitis—Rehabilitation and prevention of overuse elbow injury. *Parkhurst Exchange*. March 2006; 17 (3): 122-123, 157.

Bauman S. Reflections from a Public Health Nurse, *ONA Vision*. March 2000

## RESEARCH

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### ORIGINAL RESEARCH

*Sex Differences in Clinical Diagnosis and Recovery in Sports Related Concussions*

**Poster:** 6<sup>th</sup> International Consensus Conference on Concussion in Sport, Amsterdam, Netherlands, October 2022.

*Improving Access to Medical Care for Concussion Patients at High Risk for developing Persistent Symptoms: Utilization of a Physician Assistant within a Physician-Supervised Interdisciplinary Concussion Centre; ONF Catalyst Grant: Concussion North, 2019- August 2020*

*A novel clinical practice tool increases patients' understanding of concussion care within an interdisciplinary clinic. Poster:* RVH Ignite Research Day 2019, RVH, Barrie, ON, 2019.

*Sex Differences in Clinical Diagnosis and Recovery in Sports Related Concussions*

**Presented:** Concussion in Women and Girls, The Canadian Concussion Centre, UHN, Toronto Western Hospital; Toronto, Ontario, Canada, Sept. 2017

*Patients' Understanding of Concussion Care within a Multi-Disciplinary Team*

**Poster:** 1<sup>st</sup> Croatian Conference on Sports Related Brain Injury, June 15-17. Split, Croatia

*Gender Differences in Clinical Presentation and Recovery of Sports Related Concussions*

**Poster:** 5th International World Consensus in Sport Concussions, Berlin, Germany, Oct 2016

**Presented:** Pink Concussions: The National Summit on Female Concussions, TBI, and Headache Washington D.C., USA, February 2016

**Poster:** Georgian College Research and Innovation Day, Barrie, ON, April 2016

**Poster:** CASEM 2016 High Performance on the Pacific Rim, Victoria, B.C, May 2016

*Treatments for Tendinopathy— CASEM Traveling Scholarship: International Collaboration NSW Australia—May 2008*

**Presented:** Canadian Academy of Sports Medicine Conference AGM, Vancouver, BC, June 2009

*Physical Activity after Total Joint Replacement*

**Published:** Bauman S., Williams D, Petrucelli D, et al. Physical Activity After Total Joint Replacement: A Cross-Sectional Survey. *Clinical Journal of Sport Medicine.* March 2007; 17(2): 104-108.

**Presented:** Ontario Medical Association Sport Med Conference, Toronto, Ontario 2006

**Awarded--** J.C. Kennedy Memorial Award for Excellence in Sports Medicine

**Presented:** Queen's Family Medicine Annual Research Day, Kingston, Ontario, 2005

**Awarded—**PSI Foundation Resident Research Award

**Awarded—**CSCI/ CIHR Resident Research Award

**Presented:** Canadian Orthopaedic Association 60<sup>th</sup> Annual Meeting, Montreal, Quebec, June 2005

**Presented:** McMaster Department of Surgery Annual Research Day, Hamilton, Ontario, Nov. 2005

**Awarded –** Resident Research Project Pfizer Book Award—Williams D

**Poster:** Primary Hip Arthroplasty: How Active are Patients?

D Williams, S Bauman, D Petrucelli, J deBeer

HIP-APOA - International Society for Fracture Repair Meeting, Adelaide, Australia, May 2006

PRACTICE AUDIT

*Predictors for persistent Symptoms and Prolonged Recovery in Sports Related Concussions*

Concussion North

November 2015- to present

PRACTICE AUDIT

*Screening for Diabetic Nephropathy among Patients with Diabetes*

Family Medicine Center

Queen's University

October 2003

FORMAL REVIEW/ SPORTS MEDICINE GRAND ROUNDS

*Plantar Fasciitis—New Treatments for a Common Problem*

McMaster University

February 2003

**MEDICAL EXPERT ADVISOR: CONCUSSIONS**

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Canadian Concussion Research Steering Committee, JLA; CHEO/ Ottawa, ON--- Medical Expert Advisor, 2020 to present

Medical Director, CEO of Concussion North (Barrie, ON and Des Moines, IA)—2014 to present

Health Quality Ontario (HQO) Concussion Standards Committee—Medical Expert Advisor; 2019 to present.

House of Commons; Subcommittee on Sports-Related Concussions in Canada; Expert Witness: February 26, 2019, Meeting No. 7.

Parachute Canada/ PHAC Harmonized Concussion-NSO Initiative—Medical Expert Advisory Board-- 2016 to present

Ontario Neurotrauma Foundation—Acquired Brain Injury Committee Member 2017 to present

Canadian Concussion Collaborative—Representative for Ontario Neurotrauma Foundation, 2017

Ontario Neurotrauma Foundation— Guidelines for Diagnosing and Managing Pediatric Concussion 3<sup>rd</sup> Edition Committee, 2018.

Ontario Neurotrauma Foundation—Guidelines for Concussion/mTBI & Persistent Symptoms 3<sup>rd</sup> Edition Committee, 2017.

Ontario Neurotrauma Foundation—Concussion Advisory Committee member for Concussion Care in Ontario for Summit on Concussion Care in Ontario (April 2016)

Ontario Neurotrauma Foundation—Medical Advisor on the committee for Persistent Symptoms in Concussion—2014 to present

NCAA/ US Dept Defense Mom'TEAM—Concussion Expert Advisory Panel

Medical Advisor to Simcoe County District School Board's Concussion Committee—2013 to present

Medical Advisor for Ontario Minor Hockey Association—Injury Prevention Committee—2015 to present

## **SPORTS MEDICINE TEAM PHYSICIAN and EVENT COVERAGE**

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TORONTO ROCK—National Lacrosse League (NLL)  
Toronto, ON  
Medical Staff/Physician 2005-- 2020

TEAM CANADA WOMEN'S LACROSSE  
WORLD CUP  
Oshawa, ON  
Team Physician--July 2013

HOCKEY CANADA: SLEDGE HOCKEY  
Team Canada Training Camp/ Physicals  
Barrie, ON 2011

HAMILTON NATIONALS—Major League Lacrosse (MLL)  
MLL Championship Team—2010  
Hamilton, ON  
Team Physician—2010-2011

PARALYMPIC SLEDGE HOCKEY—VANCOUVER 2010  
Thunderbird Arena, VANOC, Vancouver, BC  
Host Medical Team Physician-- 2010

TORONTO NATIONALS—Major League Lacrosse (MLL)  
Toronto, ON  
Team Physician—2009

HOCKEY CANADA CUP-- Sledge Hockey  
Thunderbird Arena, VANOC, Vancouver, BC  
Venue Physician --March 2009

NEWCASTLE KNIGHTS—National Rugby League (NRL)  
Newcastle, NSW Australia  
Team Physician 2008

HAMILTON BULLDOGS—American Hockey League (AHL)  
Hamilton, ON  
Team Physician 2005—2007  
Calder Cup Champions 2007

HAMILTON TIGER CATS—Canadian Football League (CFL)  
Hamilton, ON  
Medical Staff 2005-2007

MCMASTER MAURADERS—Men's Rugby (CIAU)  
Hamilton, ON  
Assistant Team Physician 2005  
Ontario University Athletics (OUA) Champions, November 2005

BMO SKATE CANADA—EAST-WEST CHALLENGE  
Hershey Centre, Mississauga, ON  
On-Site Physician, December 2005

ONTARIO SUMMER GAMES  
Waterloo, ON  
Medical Staff, July 2002

## **PROFESSIONAL ACTIVITIES**

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Team Canada Lacrosse PSA—"Time out with the Twins"—September 2021  
Gymnastics Medicine—Lecturer, Educator-- 2021 to present

ImPACT CIC provider—2013 to present

Lecturer—University of Toronto Department of Family Medicine – 2010 to present

Musculoskeletal Unit Coordinator—U of T Department of Family Medicine (Barrie)—2010 to 2019

Medical Education Committee—University of Toronto Family Medicine Teaching Unit—2010 to present

Canadian Academy of Sport & Exercise (CASEM) Team Physician Committee—2012 to present

Simcoe Muskoka Sports Medicine Physician Journal Club—2009 to present

Ontario Medical Association (OMA) Sports Medicine Executive member—2010 to 2012

Royal Australian College of General Practitioners—Active Member 2008 to December 2008

Hamilton Sports Medicine Group—2006 to July 2007

Canadian Academy of Sport and Exercise Medicine—Active Member 2004 to present

College of Family Physicians of Canada—Active Member 2005 to present

Daniel Levy Memorial Sports Medicine Grand Rounds--Organizer 2005-2006

FIMS Team Physician Course—Ottawa, ON 2005

FIMS—Member 2004-2005

## **OTHER ACCOMPLISHMENTS/ HONOURS**

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College of Family Physicians of Canada Certificate of Added Competency in Sports and Exercise Medicine

Advanced Trauma Life Support Certification

Advanced Cardiac Life Support Certification

Basic Cardiac Life Support Certification

CASM Traveling Scholarship 2008

Recognition of Achievement Award—Peterborough County Board of Health

Magna cum Laude—Bethel College

Cum Laude—St. Norbert College

Trustee Scholarship—St. Norbert College

Thelma Jenkins Award--Nursing

Hamilton Women's Hockey Association—League Champions 2007

Toronto Waterfront Triathlon— 2005

Guelph Lake II Triathlon— 2005

NCAA Varsity Tennis/ Academic All Conference —St. Norbert College

NCAA Varsity Soccer/ Academic All-Conference —St. Norbert College

NCAA Midwest Conference Championship (Soccer)—St. Norbert College

All State Select (MN)/ All-American—gymnastics 1992

United States Gymnastics Federation (USGF) — national level 8/9 gymnast (1980-1992)

## **EDUCATION ACTIVITIES**

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“Concussion: An Evening with Experts,” Community Lectureship Series, RVH; Georgian College, November 2019.

“Initial Assessment and Management of Pediatric Concussions”, Keynote speaker, 7<sup>th</sup> Annual Barrie Pediatric Update; Royal Victoria Regional Health Care Centre, Barrie, Ontario, October 10, 2018.

“Working with the Student Athlete from Youth to College: A case Presentation”, Keynote Speaker: 6<sup>th</sup> Annual Concussion Symposium; Sports Neuropsychology Society; Washington, DC, USA, May 3-5<sup>th</sup>, 2018.

“Medical Assessment and Management of Pediatric Concussions” Keynote Speaker, Traumatic Brain Injury and Concussion: What's new in Research and Clinical Practice, The Rotman Research Institute at Baycrest Health Sciences; Toronto, Ontario, Canada, March 19, 2018

“A Multi-Disciplinary Approach to Concussion Care” Keynote Speaker, Brain Injury Alliance of New Jersey, NJ, USA, June 2017

“Challenge and Approach to Concussion Care in Canada” Keynote Speaker, 1<sup>st</sup> Croatian Conference on Sports Related Brain Injury, June 15-17. Split, Croatia

“Concussion Trajectories” 2016 Ontario Neurotrauma Foundation Provincial Standards Committee Meeting, Toronto, ON, 2016.

“Concussion—What do we need to know for Ontario Youth Hockey?” Ontario Minor Hockey Association AGM meetings, July 2016 and August 2016.

“A multidisciplinary Approach to Concussion Management.” RVH Physiotherapy Grand Rounds, 2016.



“Concussions” Collingwood General and Marine Hospital—2015

“Concussions in Kids” Pediatric Grand Rounds, Dept. of Pediatrics, Royal Victoria Hospital—2015

“Concussion 101—Return to Learn”--Simcoe County District School Board—2014

“Concussions: The Next Chapter” -- MERCK DAY 2014

“Concussion 101”—Barrie Minor Hockey and Oro Minor Hockey—presentations in 2014

“Concussions” – Dept of Family Medicine Teaching Unit—presented 2012

“Osteoarthritis in the Athlete—to inject or not to inject” – Barrie Sports Medicine—presented February 2010

“Knee and Ankle Common Injuries”—U of T Family Medicine Residents (Barrie)--2009

“Concussions: When is it okay to return to play?”—HPMI Sport Medicine Day—presented July 2008

“Hockey Injuries 101”—Burlington Hockey Association—presented Feb. 2007

“Hip Injuries in Sport”—Ontario College of Family Physicians Scientific Assembly—presented Nov. 2006

“Knee and Ankle Injuries in Soccer”—Burlington Soccer Association— presented May 2006

Clinical Skills Tutor for Medical Students Musculoskeletal Unit—2005-2006

McMaster University Medical School, Hamilton, ON

McMaster University Medical School Class of 2003 Graduation Committee

McMaster University MD Selection process 2003-2004

Intramurals—Class Organizer

McMaster University Medical School 2003

Med Games—Class Organizer 2003

Preceptor for MSK Sports Medicine Clinic rotations in 2009: U of Toronto (Barrie) Family Medicine Resident, U of Ottawa medical student, Local Barrie High School Student