

Office Address

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Languages: English, Russian, Hebrew

**Centre for Regenerative
Orthopaedic Medicine & Research**

Objectives

- To provide people with expert service in adult and paediatric orthopaedics with an interest in extremity reconstruction and complex foot & ankle surgery
- To advance the field of *Regenerative Orthopaedic Medicine* and provide people with novel therapies for ailments of the musculoskeletal system
- To provide advanced pain management techniques, such as nerve blocks, joint injections, leading-edge physical therapies and functional bracing
- To provide comprehensive diabetic foot care management
- To research and develop innovative techniques in the management of acute and chronic pain management for musculoskeletal ailments
- To offer comprehensive expert orthopaedic medical assessments

Education

- **Foot & Ankle Surgery Fellowship – AOFAS/ACGME** Aug 2009 – Jul 2010
 - **Fellowship Mentors:** Dr. J. Brodsky, Dr. J. Early, Dr. C. Royer
 - Baylor University Medical Center
 - www.DallasOrtho.com, www.TXOrthopaedic.com
- **Orthopaedic Surgery Residency (FRCSC)** July 2004 – Jun 2009
 - McMaster University
- **Undergraduate Medical Program (MD) with Honours** Sep 2001 – May 2004
 - McMaster University
- **Bachelor of Science (B.Sc.) with Honours Kinesiology and Health Sciences** Sep 1997 – May 2001
 - York University

Academic, Hospital & Clinic Affiliations

- **McMaster University, Department of Orthopaedic Surgery** Jun 2012 – Ongoing
 - Assistant Clinical Professor (Adjunct)
- **Hamilton Health Sciences** Jul 2004 – Ongoing
 - **McMaster University Medical Centre**
 - **Hamilton General Hospital**
 - **Juravinski Hospital**
- **St. Joseph Healthcare Hamilton** Jul 2004 – Ongoing
- **Timmins and District Hospital (Locum)** Aug 2010 – Ongoing
- **Burlington Pain Care** May 2016 - Ongoing
- **Hamilton Foot Clinic** Jul 2011 - Ongoing
- **Mobility Orthopaedic Rehab Centre** Jul 2011 – Apr 2016
- **Brantford General Hospital (Associate Staff)** Jul 2011 – Apr 2016
- **Southlake Regional Health Center (Locum)** Aug 2010 – Jul 2011
- **Markham Stouffville Hospital (Locum)** Aug 2010 – Jul 2011
- **Brampton Civic Hospital (Locum)** Sep 2010 – Jul 2011
- **Oakville-Trafalgar Memorial Hospital (Locum)** Feb 2011 – Jul 2011

Continuing Medical Education

Examinations & Certificates

- Independent Practice License – **CPSO (80696)** Feb 18, 2010
- Royal College of Physicians and Surgeons of Canada - **FRCS** Jun 2009
- Royal College of Physicians and Surgeons of Canada - **Principles of Surgery** Apr 2005
- Licentiate of the Medical Council of Canada – **LMCC Part I and II** 2004 & 2006
- Basic & Advanced Cardiac Life Support – **BLS & ACLS** Jun 2009
- Advanced Trauma Life Support - **ATLS** Jul 2004
- Quarterly CME Review Questions from **JBJS** 2006 – 2009
- Orthopaedic In-training Examination - **OITE** 2004 – 2009
- OrthoEvidence Online Education - **OE** 2015 - Ongoing

Meetings

- AOFAS Annual Summer Meeting Jul 20 – 23, 2016
- 12th Biennial Canadian Orthopaedic Foot & Ankle Symposium Apr 15 – 16, 2016
- 11th Biennial Canadian Orthopaedic Foot & Ankle Symposium Apr 11 – 12, 2014
- 10th Biennial Canadian Orthopaedic Foot & Ankle Symposium Apr 20 – 21, 2012
- OMA – Surgical Assistant Education Day Oct 23, 2010
- AOFAS Annual Summer Meeting Jul 7 – 10, 2010
- 9th Biennial Canadian Orthopaedic Foot & Ankle Symposium Apr 10 – 11, 2010

- AAOS Top 15 Foot and Ankle Problems: A Case-Based Approach Dec 3 – 5, 2009
- 5th Annual International Pediatric Orthopaedic Symposium Dec 3 – 7, 2008
- 8th Biennial Canadian Orthopaedic Foot & Ankle Symposium Apr 12 – 13, 2008
- Current Concepts in Joint Replacement Dec 12 – 15, 2007
- 4th Annual International Pediatric Orthopaedic Symposium Nov 28 – Dec 2, 2007
- 23rd OTA Annual Meeting Oct 17 – 20, 2007
- McMaster University Orthopaedic Residents Research Day Oct 5, 2007
- 62nd Annual Canadian Orthopaedic Association Meeting Jun 1 – 3, 2007
- 33rd Annual Canadian Orthopaedic Residents' Association Meeting May 31, 2007
- McMaster University Residents Research Conference Nov 1, 2006
- McMaster University Orthopaedic Residents Research Day Sep 29, 2006
- McMaster University Orthopaedic Residents Research Day Sep 30, 2005
- 59th Annual Canadian Orthopaedic Association Meeting Jun 18 – 20, 2004
- McMaster University Orthopaedic Residents Research Day Oct 1, 2004
- McMaster University Orthopaedic Residents Research Day Sep 30, 2003

Courses

- Workshop on Viscosupplementation – Cingal – Pendopharm Inc. Nov 24, 2016
- Early hip arthritis, the unsolved clinical challenge – Dr. Femi Ayeni Nov 21, 2016
- Advancements in Orthobiologics – Arthrex Medical Education Oct 28, 2016
- Workshop on Viscosupplementation – Synvisc - Sanofi-Aventis Canada Inc. Oct 14, 2016
- Approaches to Responsible Opioid Prescribing – Dr. M. Boucher Apr 26, 2016
- Improving Inter-Professional Communication – Denver, CO, USA Dec 3 – 5, 2015
- Crucial Accountability - OMA Nov 16, 2015
- Crucial Conversations - OMA Oct 19 – 20, 2015
- Ankle Arthroscopy Lab – Mount Sinai Hospital April 19, 2012
- Arthrex – Masters Course in Foot & Ankle Surgery Aug 6, 2011
- Stryker – Advanced Nailing, Percutaneous and MIPO Techniques Mar 19 – 20, 2010
- Small Bone Innovations, Inc. – RingFIX Course and Laboratory Jan 29 – 30, 2010
- 7th Annual Canadian Orthopaedic Resident Forum Apr 3 - 6, 2009
- 22nd St. Justine Paediatric Orthopaedic Review Course Mar 25 – 27, 2009
- AIOD – Canadian Orthopaedic Resident Trauma Review Course Dec 11 – 13, 2008
- AIOD – Practical Solutions for Difficult Fractures of Elbow, Foot & Ankle Nov 28 – 29, 2008
- AO Advanced Principles of Operative Fracture Management Nov 9 – 12, 2008
- COA – Basic Science Course in Orthopaedics Oct 25 – 31, 2008
- McMaster – Cadaver Elbow Arthroscopy Course Oct 4, 2008
- Johns Hopkins 2008 Orthopaedic Surgery Review Course Jul 7 – 11, 2008
- Miller's Colorado Orthopaedic Review Course May 21 – 25, 2008

- Ottawa Wrist Course for Residents May 16 – 18, 2008
- AIOD – Locking Plates: Technical Pearls and Optimizing Outcomes Nov 24, 2007
- OTA Comprehensive Fracture Course for Residents Oct 17 – 20, 2007
- Zimmer National Orthopaedic Resident Program Aug 9 – 12, 2007
- McMaster – Case Controversies: Pelvic and Acetabular Fractures Aug 8, 2007
- McMaster – Case Controversies: Wrist Fractures Jun 6, 2007
- Zimmer Residents Program Trauma Course May 4 – 6, 2007
- AANA – Junior Resident Fundamental Arthroscopic Skills Course Feb 1 – 4, 2007
- McMaster – Cadaver Shoulder Arthroscopy Course Dec 16, 2006
- AIOD – Comprehensive Operative Approaches to Hip Fractures Nov 24 – 25, 2006
- McMaster – Case Controversies: Proximal Humerus Fractures Nov 22, 2006
- AO Basic Principles & Techniques of Operative Fracture Management Nov 16 – 19, 2006
- McMaster – Case Controversies: Tibial Fractures Aug 9, 2006

Teaching Experience

- Orthopaedic Resident Review in Reconstructive Surgery - Lecturer Jan 19, 2017
- In-Service – “Injections in Orthopaedics” Sep 23, 2016
- Resident Supervisor – McMaster University – “Foot/Ankle Rotation” Aug 2011 - Ongoing
- Senior Session – McMaster University – “Foot & Ankle Examination Cases” Oct 2010 - Ongoing
- McMaster – FRCSC Exam Instructor for Senior Orthopaedic Residents Jul 2009 - Ongoing
- Orthopaedic Surgery Grand Rounds – Complex Foot & Ankle Reconstructions Dec 9, 2015
- Senior Orthopaedic Residents Teaching Apr 2014
- Orthopaedic Resident Foot and Ankle Teaching Feb 2014
- Senior Orthopaedic Residents Teaching Apr 2013
- Orthopaedic Foot & Ankle Rounds to Operating Room Nurses May 7, 2013
- CSOT - Orthopaedic Technologist – BGH – “Charcot Feet Management” Oct 2, 2012
- Grand Rounds – BGH – “Management of Diabetic Foot” Jun 20, 2012
- In-Service – Mobility Clinic – “Management of Common Foot/Ankle Conditions” Jun 11, 2012
- Senior Session – McMaster University – “Foot/Ankle Trauma & Reconstruction” Nov 2, 2011
- Timmins Hospital – Radiology Teaching Session – “WB & Non-WB Imaging” May 24, 2011
- OMA – Surgical Assistant Education Day – “Supracondylar Femur Fracture Fixation” Oct 23, 2010
- Baylor University Medical Center (Dallas, TX) – Orthopaedic Resident Instructor Aug 2009 – Jul 2010
- Orthopaedic Surgery & Trauma Instructor – Ontario IMG School (OIMG) Jan 2009 – Dec 2010
- Acute Musculoskeletal Limb Support (AMLS) - Course Instructor Jul 2008
- McMaster Observed Simulated Clinical Encounter (OSCE) Instructor Jul 2004 – Jun 2007
- McMaster University Orthopaedic Surgery - Senior Teaching Sessions Jul 2006 – Jun 2009
- McMaster University Orthopaedic Surgery - Grand Rounds Jul 2004 – Jun 2009
- Hamilton General Hospital - Trauma Rounds Jul – Sep 2008

- Henderson Hospital - Fracture Rounds Oct – Dec 2008
- St. Josephs Hospital - Fracture Rounds May – Jul 2009, Oct – Dec 2007
- McMaster University Medical Centre - Pediatric Fracture Rounds Jan – Mar 2009, Apr – Jun 2008

Teaching Supervisor Experience

- Physician Assistant – Ms. Maggie Hitchon – McMaster University Jan 8, 15, 22, 2016
- Physician Assistant – Mr. David Warchuk – McMaster University Jun 22 – Jul 17, 2015
- Physician Assistant – Ms. Alexnadra Martin – McMaster University Jun 24 – Jul 19, 2013
- Resident - Dr. Patricia Farrugia – Orthopaedic PGY 4 – McMaster University Jan 14 – Feb 11, 2013
- Fellow - Dr. Rajrishi Sharma – Foot & Ankle Surgery – McMaster University Jul 1 – Dec 31, 2012
- Resident - Dr. Jamal Al Asari – Orthopaedic PGY 4 – McMaster University May 14 – Jun 29, 2012
- Resident - Dr. Patricia Farrugia – Orthopaedic PGY 3 – McMaster University Jan 16 – 27, 2012
- Student - Mr. Bawo Daibo – Medical – Jagiellonian Univeristy, Poland Sep 5 – 30, 2011

Administrative Activities

- **Chief Fellow** – Baylor University Medical Centre Aug 1 – Jul 2010
- **Chief Resident** - McMaster University Orthopaedic Surgery Jul 2008 – Jun 2009
- **Founder/Coordinator** – McMaster University Resident Graduation Ceremony Jul 2007 – Jun 2009
- **Resident Member** – Residency Training Committee for Orthopaedic Surgery Jul 2006 – Jun 2009
- **RCPSC Rep** - Professional Association of Interns & Residents of Ontario (PAIRO) Jul 2005 – Jun 2008
- **Interviewer** – Admissions McMaster University Medical School Sep 2001 – Jun 2003
- **Application Reviewer** – Admissions McMaster University Medical School Sep 2001 – Jun 2007

Professional Memberships

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- Canadian Society of Medical Evaluators - **CSME** Jan 2016 - Ongoing
 - Ontario Orthopaedic Association -**OOA** Jun 2014 - Ongoing
 - American Orthopaedic Foot & Ankle Society - **AOFAS** Apr 2008 – Ongoing
 - Canadian Orthopaedic Foot & Ankle Society - **COFAS** Apr 2008 – Ongoing
 - American Academy of Orthopaedic Surgeons - **AAOS** Jul 2004 – Ongoing
 - Canadian Orthopaedic Association - **COA** Jul 2004 – Ongoing
 - Canadian Medical Protective Association - **CMPA** Jul 2004 – Ongoing
 - College of Physicians and Surgeons of Ontario - **CPSO** Jul 2004 – Ongoing
 - Royal College of Physicians and Surgeons of Canada - **RCPSC** Jul 2004 – Ongoing
 - Ontario Medical Association - **OMA** Sep 2001 – Ongoing
 - Canadian Medical Association - **CMA** Sep 2001 – Ongoing
 - Dallas County Medical Society - **DCMS** Aug 2009 – Jul 2010
 - Texas Medical Board – **TMB** Aug 2009 – Jul 2010
 - Canadian Society for Clinical Investigation - **CSCI** Jul 2005 – Nov 2010

- Orthopaedic Trauma Association - **OTA** Nov 2008 – Dec 2009
- Arthroscopy Association of North America - **AANA** Jun 2007 – Dec 2009
- Professional Association of Interns and Residents of Ontario - **PAIRO** Jul 2004 – Jun 2009
- Association Internationale pour l'Oesteosynthese Dynamique - **AIOD** Jul 2005 – Jun 2009

Research & Awards

- **The natural history of Charcot Neuroarthropathy: Is the Brodsky classification predictive of long-term outcome?**
 - AOFAS Annual Summer Meeting (July 20, 2016)
- **Charcot Arthropathy of the Foot and Ankle in Patients with Idiopathic Neuropathy**

Publication

 - *Foot & Ankle International, August 2014* (PMID: 25104748)
- **Charcot Arthropathy of the Foot and Ankle Associated with Rheumatoid Arthritis**

Publication

 - *Foot & Ankle International, November 2013* (PMID: 23900228)
- **Intermediate-Term Follow-Up of Surgical and Functional Outcomes in 334 patients with Charcot Arthropathy of the Tarsus**
- **Natural History and Outcomes of Charcot Arthropathy in the Tarsus correlated with Anatomic Classification**

Publications

 - *Orthopedics Today, November 2010, Volume 30, Number 11*

Presentation

 - British Orthopaedic Foot and Ankle Society Annual Meeting (November 4, 2011)
 - AOFAS Annual Summer Meeting (July 10, 2010)
- **Durability of Improvement in Gait Analysis after Total Ankle Arthroplasty**

Presentation

 - AOFAS Annual Summer Meeting (July 9, 2010)
 - ESMAC (European Society for Movement Analysis in Adults and Children) & GCMAS (Gait and Clinical Movement Analysis Society) - (May 12-17, 2010)
- **Matrix Metalloproteinase Activity in the Stromal Cell of Giant Cell Tumor of Bone**
 - *The Open Bone Journal, 2009, 1, 46-52* (PMID: 22287999)

Awards

 - Nigel Colterjohn Resident Research Award – McMaster Orthopaedic Research Day (Sep 2008)
 - Alexandra Kirkley Award – Top Presentation at the 33rd Annual CORA Meeting (Jun 2007)
 - A. K. Mighton Award – Best Presentation by a Junior Resident (Nov 2006)
 - Best Junior Resident Award – McMaster Orthopaedic Surgery Research Day (Sep 2006)
 - Best Poster Honours – 53rd Annual Orthopaedic Research Society Meeting (Sep 2006)

Presentations

- Podium at the 62nd Canadian Orthopaedic Association Annual Meeting (Jun 2007)
- Podium at the 33rd Canadian Orthopaedic Residents' Association Annual Meeting (Jun 2007)
- Podium at the McMaster University Residents Research Conference (Nov 2006)
- Podium at the McMaster University Orthopaedic Residents Day (Sep 2006)
- Poster at the 53rd Annual Orthopaedic Research Society (Sep 2006)
- **Outcomes of Intramedullary Nail Fixation through the Olecranon Apophysis in Skeletally Immature Forearm Fractures**
 - *J Pediatr Orthop* 2005;25:565-569 (PMID: 16199932)
- Awards**
 - 1st Prize for Best Resident Research - Canadian Society for Clinical Investigation (Aug 2005)
 - 1st Prize for Best Resident Research - Quality Assurance Award (Jul 2005)
 - 1st Prize for Best Resident Research - Physicians Services Incorporated Foundation (Jul 2005)
- Presentations**
 - Podium at the 59th Canadian Orthopaedic Association Annual Meeting (Jun 2004)
 - Podium at the McMaster University Orthopaedic Residents Day (Sep 2003)
- **Varicose Veins, Port-Wine Stains, and Bony & Soft Tissue Hypertrophy: Klippel-Trenaunay-Weber Syndrome**
 - *MUMJ* 2009; Num 1, Vol 6, 62-65
- Presentation**
 - McMaster Orthopaedics Grand Rounds (Jul 2007)
- **Analysis of Arthrodesis, Interobserver and Intraobserver Reliability using the Bridwell Radiographic Criteria for Posterior Lumbar Interbody Fusion with the Prospace™ Osteoconductive Interbody Block Implant**
 - Presentations**
 - Poster at the 6th Canadian Spine Society Annual Meeting (Mar 2006)
 - Podium at the McMaster University Orthopaedic Residents Day (Sep 2005)
 - Poster at the 12th International Meeting on Advanced Spine Technologies (Jul 2005)
 - Poster at the 60th Canadian Orthopaedic Association Annual Meeting (Jun 2005)
 - Poster at the 39th Canadian Orthopaedic Research Society Annual Meeting (Jun 2005)
 - Poster at the International Society for the Study of Lumbar Spine (May 2005)
- **Fat Embolism Syndrome and Alcohol. Retrospective Analysis of the Prophylactic Effect of Systemic Alcohol on the Incidence of Fat Embolism Syndrome after Blunt Trauma**
 - Presentations**
 - McMaster University Orthopaedic Residents Day (Sep 2004)

Consultant

Sanofi-Aventis Canada Inc.

Oct 14, 2016 - Ongoing

Pendopharm Inc.

Sep 23, 2016 - Ongoing

Undergraduate Medical Program (MD)

McMaster University

September 2001 – May 2004

Research & Awards

- **Scotiabank Breast Cancer Scholarship (2002/2003)**
 - Radiation Oncology research on the treatment and long-term management of breast cancer
- **Canadian Institute of Health Research (CIHR) and Burroughs Wellcome Fund Student Research Awards (2001/2002)**
 - “Investigating the Educational and Social Needs of Students Training in Rural Communities”
 - Podium and Poster presentation at McMaster University Medical Student Research Day

Undergraduate (BSc)

York University

September 1997 – June 2001

- **Kinesiology & Health Science**

Extracurricular Activities and Hobbies

- Information Technology / Computers
- Team Sports and Personal Health
- Traveling and Languages
- Books, Music (Jazz/Blues) and Movies