
MARK SHEKHMAN, MD, FRCSC

Practice: **Orthopedic Associates of Hartford**

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MEDICAL SPECIALIZATION

Fellowship sub-specialization in hip and knee joint replacement / Arthroplasty

General orthopedics

Hip and knee arthroscopy

Orthopedic trauma

EDUCATION AND DEGREES

2007-2008 **Orthopaedic Fellowship Training: Adult Reconstruction and Arthroplasty**, Hospital for Special Surgery, Weill Medical College of Cornell University, New York, New York, USA; 8/2007-7/2008

2002-2007 **Residency Training in Orthopaedic Surgery:** Department of Orthopaedic Surgery, University of British Columbia, Vancouver, British Columbia, Canada; 7/2002-6/2007

2005 **Visiting Fellowship, Exeter Hip Unit**, Princess Elizabeth Orthopaedic Centre, Royal Devon and Exeter Hospital, United Kingdom; 9/2005-10/2005

1998-2002 **Medical Education: Doctor of Medicine**, University of Toronto Faculty of Medicine, Toronto, Ontario, Canada; 9/1998-4/2002. Convocation 6/14/2002

1995-1998 **Undergraduate Education: Bachelor of Science**, University of Western Ontario, London, Ontario, Canada; 9/1995-4/1998. Convocation 10/23/1998

PROFESSIONAL CERTIFICATION

2010 **Diplomat of the American Board of Orthopaedic Surgery**, Board Certified July 23, Chapel Hill, NC

2007 **Fellow of the Royal College of Surgeons of Canada (FRCSC)**, Admitted November 7, Ottawa, Ontario, Canada

2007 **Specialist Certification in Orthopaedic Surgery, Royal College of Physicians and Surgeons of Canada**, June 30, Ottawa, Ontario, Canada, ID No. 622974

2007 **College of Physicians and Surgeons of British Columbia**; Registered to practice August 1; Registration No. 18565, CPSID#22724, Vancouver, British Columbia, Canada

2003 **Licentiate of the Medical Council of Canada**, December 12, Ottawa, Ontario, Canada, Licentiate No. 95105

MEDICAL LICENSURE

2008-present	State of Connecticut, USA	License No. 046781 (7/16/08-)
2007-2008	New York State, USA	Limited Permit No. P59445 (08/07-07/08)
2007	British Columbia, Canada	License No. 22724 (7/1/07-7/31/07) Registration No. 25839

ACADEMIC AND HOSPITAL POSITIONS AND AFFILIATIONS

2017-present	Partner , Orthopedic Associates of Hartford, PC (08/2017)
2014-2017	Associate Orthopedic Surgeon , Orthopedic Associates of Hartford, PC
2014-present	Active Medical Staff, Department of Orthopedics, St. Francis Hospital and Medical Center , Connecticut Joint Replacement Institute, Hartford, Connecticut (08/1/2014-)
2014-present	Clinical Associate Professor , University of Connecticut School of Medicine, Farmington Connecticut
2008-present	Active Medical Staff, Department of Orthopedics, Hartford Hospital , Hartford, Connecticut (08/1/2008-)
2010-2013	Co-Director, The Joint Center , Hartford Hospital, Hartford, CT
2009-2014	Clinical Instructor in Orthopedics , University of Connecticut School of Medicine, Farmington Connecticut
2008-2014	Orthopedic Surgeon, Hartford Healthcare Medical Group , Hartford, CT (8/1/08)
2007-2008	Graduate Medical Staff, Hospital for Special Surgery , New York, New York (8/1/07-07/31/08)
2007-2008	Graduate Medical Staff, New York-Presbyterian Hospital , New York, New York (8/1/07-07/31/08)
2007-2008	Senior Clinical Associate in Orthopaedic Surgery , Weill Cornell Medical College, New York, New York (8/1/07-07/31/08)
2007	Locum Tenens, Burnaby General Hospital , Division of Orthopaedics, Burnaby, British Columbia, Canada (7/1/07-7/31/07)

- 2007 **Locum Tenens, Richmond General Hospital**, Division of Orthopaedics, Richmond, British Columbia, Canada (7/1/07-7/31/07)
- 2005-2006 **Moonlighting Locum, St. Paul's Hospital**, Department of Emergency Medicine, Vancouver, British Columbia, Canada

ADDITIONAL MEDICAL TRAINING AND CERTIFICATION

- 2013-2014 **LeadQuest Physician Leadership Development: Mark Sasser**, Hartford Healthcare, Hartford, CT
- 2007 **Basic and Advanced Cardiac Life Support (BCLS, ACLS)** Provider Recertification, Hospital for Special Surgery, New York, New York
- 2005 **United States Medical Licensing Examinations** – Step 1 (2000), Step 2 (2002); Step 3 (2005)
- 2004 **AO ASIF Basic Principles and Techniques of Operative Fracture Management**, Toronto, Canada
- 2003 **Advanced Cardiac Life Support (ACLS)** Provider course, New Westminster, British Columbia, Canada
- 2002 **Advanced Trauma Life Support (ATLS)**, University of British Columbia, Vancouver, Canada

PROFESSIONAL AFFILIATIONS

- 2010-present **American Association of Hip and Knee Surgeons**, member
- 2009-present **Connecticut Orthopaedic Society**, member
- 2002-present **American Academy of Orthopaedic Surgeons**, member
- 2003-present **Canadian Orthopaedic Association**, member
- 2003-present **Royal College of Physicians and Surgeons of Canada**, Member No. 622974
- 2002-present **Canadian Medical Association**, Member
- 2002-2008 **College of Physicians and Surgeons of British Columbia**, Member
- 2002-2007 **British Columbian Medical Association**, member
- 2002-2007 **Canadian Medical Protective Association**, Member No. 20010269
- 2002-2007 **Professional Association of Residents of British Columbia**, member
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PUBLICATIONS

1. Hodgson AJ, Inkpen KB, **Shekhman M**, Anglin C, Tonetti J, Masri BA, Duncan CP, Garbuz DS, Greidanus NV. Computer-assisted femoral head resurfacing. *Computer Aided Surgery* 2005; 10(5/6): 337–343.
2. Jones JJ, Fan J, Nathens AB, Kapus A, **Shekhman M**, Marshall JC, Parodo J, Rotstein OD. Redox manipulation using the thiol-oxidizing agent diethyl maleate prevents hepatocellular necrosis and apoptosis in a rodent endotoxemia model. *Hepatology* 1999; 30(3):714-24.

BOOK CHAPTERS

1. Checo F, **Shekhman M**, Goldstein A, Erwtaman A. **Chapter 13: Hip and Thigh**. *In: Musculoskeletal Emergencies* (Browner B, Fuller R, eds.). Elsevier Saunders 2013
2. **Shekhman M**, Kuzyk P, Sidky A, Kulidjian A, von Schroeder H. **Orthopaedics**. *In: Toronto Notes: MCCQE 2002 Review Notes, 17th Ed.* (Panu N, Wong SYC, eds). University of Toronto, faculty of Medicine, Toronto, 2002

SUBMITTED PAPERS, UNPUBLISHED

1. Lobo JJA, **Shekhman M**, Mishra S, Aksenov SA, Schemitsch EH. The effect of contact area on biomechanical properties of Limited Contact Dynamic Compression Plates. *Journal of Orthopaedic Trauma*. Submitted.
2. Lobo JJA, Mishra S, **Shekhman M**, Aksenov SA, Schemitsch EH. A biomechanical evaluation of the Limited Contact Dynamic Compression Plate and Point Contact Fixator. *Journal of Orthopaedic Trauma*. Submitted.
3. Whelan DB, Bhandari M, **Shekhman M**, McKee MD, Kreder H, Stephen D, Schemitsch EH. Development of a scale to improve reliability in the assessment of tibial fracture healing following intramedullary fixation. *Journal of Orthopaedic Trauma*, Submitted.

PAPERS AND POSTERS PRESENTED AT SCIENTIFIC MEETINGS

1. **Retrieval Analysis of Oxidized Zirconium Femoral Heads**, Shekhman M, Heyes T, Chen D, Wright T, Padgett D. Hospital for Special Surgery Arthroplasty Research Day, New York, New York, April 20, 2008
 2. **Comparison of Retrograde IM Nailing vs. LISS Plate Fixation in Periprosthetic Fractures Above Total Knee Arthroplasties**. **Shekhman M**, Broekhuysen H, Blachut P, Guy P, O'Brien P. Orthopaedic Research Day, Department of Orthopaedics, University of British Columbia, Vancouver, November 20, 2006, Vancouver, British Columbia; Podium presentation
 3. **Computer-Assisted Navigation Improves Femoral Guide-Pin Placement in Hip Resurfacing Arthroplasty**. **Shekhman, M**; Inkpen, K; Greidanus, N V; Anglin, C; Hodgson, A J; Tonetti, J;
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- Garbuz, D S; Duncan, C P; Masri, B. Canadian Orthopaedic Association 61st Annual Meeting, June 2-4, 2006, Toronto, Ontario; Podium presentation
4. **Computer-Assisted Surgical Navigation improves femoral guide-pin placement in a cadaveric model of hip resurfacing arthroplasty.** Shekhman, M; Inkpen, K; Greidanus, N V; Anglin, C; Hodgson, A J; Tonetti, J; Garbuz, D S; Duncan, C P; Masri, B. 52nd Annual Meeting of the Orthopaedic Research Society, March 19-22, 2006, Chicago, Illinois; Poster 458
 5. **Computer-Assisted Femoral Head Resurfacing.** Inkpen KB, Shekhman M, Anglin C, Greidanus N, Tonetti J, Duncan C, Garbuz D, Masri B, Hodgson AJ. International Society for Computer Assisted Orthopaedic Surgery (CAOS), 5th Annual meeting, Helsinki, Finland, June 2005; Podium presentation
 6. **Computer-assisted femoral guide-pin insertion in hip resurfacing arthroplasty.** Shekhman M, Greidanus NV, Garbuz DS, Duncan CP, Anglin C, Hodgson AJ, Inkpen KB, Masri BA. Canadian Orthopaedic Residents Association 31st annual meeting, Montreal, QC, June 2005; Podium
 7. **Variability of femoral positioning in hip resurfacing arthroplasty.** Shekhman M, Greidanus NV, Garbuz DS, Duncan CP, Anglin C, Hodgson AJ, Inkpen KB, Masri BA. Orthopaedic Research Society, 51st Annual Meeting, Washington, D.C. Feb 2005; Poster 1192
 8. **Computer-assisted femoral guide-pin insertion in hip resurfacing arthroplasty.** Shekhman M, Greidanus NV, Garbuz DS, Duncan CP, Anglin C, Hodgson AJ, Inkpen KB, Masri BA. Department of Orthopaedics, University of British Columbia, Orthopaedic Research Day, Dec 2004. *2nd place winner, Resident Research Award; Podium
 9. **Preoperative patient education saves money.** S Schulz, P Lindsay, P Conrad, D Howell, R Davey, M Shekhman, NN Mahomed, M Koo. Canadian Orthopaedic Association 56th Meeting, London, Ontario, June 2001; Poster
 10. **Development of a scale to improve reliability in the assessment of tibial fracture healing following intramedullary nail fixation.** DB Whelan, M Bhandari, M Shekhman, MD McKee, H Kreder, D Stephen, EH Schemitsch. American Academy of Orthopaedic Surgeons, Annual Meeting, San Francisco, California, March 2, 2001. Poster
 11. **Biomechanical comparison of the Point Contact Fixator and Limited Contact Dynamic Compression Plate.** J Lobo, S Mishra, M Shekhman, S Aksenov, EH Schemitsch. American Academy of Orthopaedic Surgery, 2001. Poster
 12. **Development of a scale to improve reliability in the assessment of tibial fracture healing following intramedullary nailing.** Whelan DB, Bhandari M, Shekhman M, McKee MD, Kreder HJ, Sephen DJG, Schemitsch EH. International Society for Fracture Repair, Hong Kong, China, Sept 20, 2000.
 13. **The impact of resource utilization intensity on short-term outcomes of patients undergoing home-based (CCAC) rehabilitation following primary total hip or knee arthroplasty.** M Shekhman, MJ Koo, J Scott, R Davey, NN Mahomed. Medical Research Day, University of Toronto, Faculty of Medicine, May 2000; Podium
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14. **Biomechanical comparison of the Point Contact Fixator and Limited Contact Dynamic Compression Plate.** J Lobo, S Mishra, **M Shekhman**, S Aksenov, EH Schemitsch. Canadian Orthopaedic Association 55th Annual Meeting, 2000. Poster
15. **Biomechanical comparison of the Point Contact Fixator and Limited Contact Dynamic Compression Plate.** J Lobo, S Mishra, **M Shekhman**, S Aksenov, EH Schemitsch. Orthopaedic Trauma Association 16th Annual Meeting, 2000.
16. **Biomechanical comparison of the Contour Plus and Limited Contact Dynamic Compression Plate.** J Lobo, **M Shekhman**, S Mishra, S Aksenov, EH Schemitsch. Canadian Orthopaedic Association 55th Annual Meeting, 2000. Poster
17. **Biomechanical comparison of the Contour Plus and Limited Contact Dynamic Compression Plate.** J Lobo, **M Shekhman**, S Mishra, S Aksenov, EH Schemitsch. Orthopaedic Trauma Association 16th Annual meeting, 2000. Poster
18. **Development of a scale to improve reliability in the assessment of tibial fracture healing following intramedullary nail fixation.** DB Whelan, M Bhandari, **M Shekhman**, MD McKee, H Kreder, D Stephen, EH Schemitsch. Canadian Orthopaedic Association 55th Annual Meeting, June 4, 2000. Poster
19. **Reliability of the Radiographic Union Scale for Tibia Fractures.** **M Shekhman**, DB Whelan, M Bhandari, MD McKee, H Kreder, D Stephen, EH Schemitsch. University of Toronto Medical Student Research Day, January, 2000. Poster
20. **Glutathione depletion protects against LPS/Galactosamine induced liver injury.** JJ Jones, **M Shekhman**, J Fan, ID McGilvray, OD Rotstein. Twenty-first Annual Conference On Shock, San Antonio, Texas, 1998. Podium
21. **Diethyl maleate reduces TNF-a-Induced Hepatocellular apoptosis and necrosis in a rat model of endotoxin-induced liver injury.** **M Shekhman**, J Fan, J Parado, JJ Jones, OD Rotstein. Institute of Medical Science Summer Undergraduate Research Program Research Day, University of Toronto, 1998. Poster
22. **Glutathione depletion attenuates endotoxin-induced liver injury.** **M Shekhman**, JJ Jones, OD Rotstein. The Toronto Hospital Transplantation Research Group Summer Student Research Day, 1997. Podium
23. **Glutathione depletion attenuates endotoxin-induced liver injury.** **M Shekhman**, JJ Jones, OD Rotstein. Institute of Medical Science Summer Undergraduate Research Program Research Day, University of Toronto, 1997. Poster

COURSES AND MEETINGS ATTENDED

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| 2016 | American Academy of Orthopedic Surgeons, 83rd Meeting , Orlando, FL, March 1-5 |
| 2014 | American Academy of Orthopedic Surgeons, 81st Meeting , New Orleans, LA
March 11-15 |
| 2013 | American Association of Hip and Knee Surgeons, 23rd Meeting , Dallas, TX, |

- November 8-10
- 2013 **American Academy of Orthopaedic Surgeons**, Chicago, IL, March 18-23
- 2013 **Direct Anterior Total Hip Arthroplasty Course** (Cadaveric), Miami, FL, February 7
- 2012 **Hip Arthroscopy and Preservation Cadaver Course**, Arthroscopy Association of North America, OLC, Rosemont, Illinois, March 23-25
- 2010 **American Academy of Orthopaedic Surgeons**, 77th Meeting, New Orleans, LA
- 2008 **Anderson Orthopaedic Institute Advanced Technologies in Hip Arthroplasty**, Alexandria, Virginia, May 28-30
- 2008 **American Academy of Orthopaedic Surgeons**, 75th Meeting, San Francisco, CA
- 2007 **Current Concepts in Joint Replacement**, 24th Meeting, Orlando, Florida
- 2007 **Zimmer Arthroplasty Fellows Meeting**, Tempe, Arizona
- 2007 **Canadian Orthopaedic Association**, 62nd Meeting, June, Halifax, Nova Scotia, Canada
- 2007 **Canadian Orthopaedic Resident Forum**, Calgary, Alberta, Canada
- 2007 **American Academy of Orthopaedic Surgeons**, 74th Meeting, San Diego, California
- 2006 **Canadian Orthopaedic Association Basic Science Course**, Ottawa, Ontario, Canada
- 2006 **Canadian Orthopaedic Association**, 61st Meeting, June 2-4, Toronto, Ontario, Canada
- 2006 **American Academy of Orthopaedic Surgeons**, 73rd Meeting, Chicago, Illinois
- 2006 **Orthopaedic Research Society**, 52nd Meeting, Chicago, Illinois
- 2006 **Contemporary and Future Concepts in Orthopaedics**, Whistler, British Columbia, Canada
- 2005 **Orthopaedic Research Society**, 51st Meeting, Washington, D.C.
- 2004 **Zimmer National Residents Course**, Chicago, Illinois

HONORS AND AWARDS

- 2013 **Arthritis Foundation New England Physician's Award**, October 25
- 2007 **Current Concepts Foundation**, Scholarship funding for Current Concepts in Joint Replacement 24th Meeting, Orlando, Florida
- 2004 **Resident Research Award**, Orthopaedic Research Day, Department of Orthopaedics,

- University of British Columbia, Vancouver, British Columbia, Canada
- 2001 **Dr. Jean Hogarth Scholarship**, Faculty of Medicine, University of Toronto, Toronto, Ontario, Canada
- 2000 **Medical Research Council of Canada Summer Student Research Grant**, University of Toronto, Toronto, Ontario, Canada
- 1999 **St. Michael's Hospital Summer Student Research Scholarship**, Toronto, Ontario, Canada
- 1998 **John Wolfe-McColl Memorial Award**, Faculty of Medicine Admission Scholarship, University of Toronto, Toronto, Ontario, Canada
- 1998,1997 **The Toronto Hospital Research Institute Summer Undergraduate Student Research Fellowship**, Institute of Medical Sciences, University of Toronto, Toronto, Ontario, Canada
- 1996-1998 **Dean's Honor List**, University of Western Ontario, London, Ontario, Canada
- 1997 **University of Western Ontario In-Course Scholarship**, University of Western Ontario, London, Ontario, Canada
- 1996 **William Wyatt Scholarship**, University of Western Ontario, London, Ontario, Canada
- 1996 **Parent's Fund Scholarship**, University of Western Ontario, London, Ontario, Canada
- 1995 **University of Western Ontario Admission Scholarship**, University of Western Ontario, London, Ontario, Canada

PROFESSIONAL LEADERSHIP

- 2013-present **Arthroplasty Service Line Development Committee**, Hartford Hospital, Hartford, CT
- 2012 **HHCThrive** Blood product utilization reduction initiative committee, Hartford Hospital, CT
- 2012 **Medical Chair, Arthritis Foundation** 2012 Arthritis walk
- 2010-2013 **Orthopaedic Process Improvement Committee**, Hartford Hospital, Hartford, CT
- 2008-2014 **Head, Division of Orthopaedics, Hartford Healthcare Medical Group**, Hartford, CT
- 2005-2006 **Resident Training Committee**, Appointed representative, Department of Orthopaedics, University of British Columbia, Vancouver, British Columbia, Canada
- 2005-2006 **Resident Information Technology Representative**, Department of Orthopaedics, University of British Columbia, Vancouver, British Columbia, Canada
- 2000-2001 **Peer Review Editor, Surgery section, *University of Toronto Medical Journal***, University of Toronto, Toronto, Ontario, Canada

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- 1999-2000 **Technical Director, Production Committee, 'Daffydil' Annual Medical School Performance**, Faculty of Medicine, University of Toronto, Toronto, Ontario
- 2000 **Faculty of Medicine Admission Committee**, interviewer and applicant reviewer, University of Toronto, Toronto, Ontario, Canada
- 1998-1999 **Student Curriculum Evaluation Committee Member**, Faculty of Medicine, University of Toronto, Toronto, Ontario, Canada
- 1998-1999 **Class Council Member**, Course Representative, Faculty of Medicine, University of Toronto, Toronto, Ontario, Canada
- 1997-1998 **Science Students' Council Member**, University of Western Ontario, London, Ontario, Canada
- 1997-1998 **Founder and President; The Scientific Research Society**, University of Western Ontario, London, Ontario, Canada
- 1995-1997 **Pre-Medical Society Executive Member**, University of Western Ontario, London, Ontario, Canada
- 1994 **Canadian Ski Instructors' Alliance, Level 1 Instructor Certification**, Mount St. Louis, Ontario, Canada
- 1993-1994 **Canadian Ski Patrol System**, Ski Patroller, North York, Ontario, Canada
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