

Milan Sen MD FRCSC

Current Position

THE UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON (UTHSC-H) HOUSTON, TX
ASSISTANT PROFESSOR, DEPT. OF ORTHOPAEDIC SURGERY
CHIEF, DIVISION OF ORTHOPAEDIC TRAUMA

Previous Experience

THE UNIVERSITY OF CALIFORNIA, SAN FRANCISCO (UCSF) SAN FRANCISCO, CA
ASSISTANT PROFESSOR IN RESIDENCE, DEPT. OF ORTHOPAEDIC SURGERY 2005-2007 ASSISTANT PROFESSOR IN
RESIDENCE, DEPT. OF SURGERY, DIVISION OF PLASTIC SURGERY DIRECTOR OF UPPER EXTREMITY SURGERY,
SAN FRANCISCO GENERAL HOSPITAL (SFGH)

Education

AO JOHN BORDER MEMORIAL EUROPEAN TRAUMA FELLOWSHIP ZURICH, SWITZERLAND
PROF. OTMAR TRENTZ, UNIVERSITATSSPITAL ZURICH 2005 PROF. GERBER,
DR. NAGY, UNIKLINIK BALGRIST

HOSPITAL FOR SPECIAL SURGERY / WEILL MEDICAL COLLEGE OF CORNELL UNIVERSITY NEW YORK, NY
ORTHOPAEDIC TRAUMA FELLOWSHIP 2004-2005
FELLOWSHIP DIRECTOR: DR. DAVID HELFET

CHRISTINE M. KLEINERT INSTITUTE FOR HAND AND MICROSURGERY LOUISVILLE, KY
HAND AND MICROSURGERY FELLOWSHIP 2003-2004 FELLOWSHIP DIRECTOR: DR. AMIT GUPTA

MCGILL UNIVERSITY MONTREAL, QUEBEC
ORTHOPAEDIC SURGERY RESIDENCY TRAINING PROGRAM 1998-2003 CHAIRMAN: DR. MAX AEBI DIRECTOR: DR.
MICHAEL TANZER APPOINTED FELLOW OF THE ROYAL COLLEGE OF SURGEONS OF CANADA (FRCSC), JUNE 2003

MCGILL UNIVERSITY, FACULTY OF MEDICINE MONTREAL, QUEBEC
DOCTOR OF MEDICINE, MASTER OF SURGERY (MDCM) 1994-1998

MCGILL UNIVERSITY, FACULTY OF SCIENCE MONTREAL, QUEBEC
BACHELOR OF SCIENCE, FIRST CLASS HONOURS (B. SC., IMMUNOLOGY) 1991-1994

Professional and Institutional Activities

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| UT Medical School Faculty Senate Representative | 2009-present |
| Member, Adrian E. Flatt Residents and Fellows Conference Committee, American Society for Surgery of the Hand | 2009-present |
| Member, Young Members Steering Committee, American Society for Surgery of the Hand | 2009-present |
| Member, Case Management Committee, MHH TMC | 2009-present |

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| Director, Orthopaedic Trauma Fellowship, UTHSC-H | 2008-present |
| Medical Director, Orthopaedic Surgery Clinic, UT Physicians Building | 2008-present |
| Member, Trauma Multidisciplinary Peer Review Committee, MHH TMC | 2008-present |
| Chief, Division of Orthopaedic Trauma, Dept. of Orthopaedic Surgery, UTHSC-H | 2007-present |
| Chief, Orthopaedic Trauma Service (OTS), MHH TMC | 2007-present |
| Chair, OTS Research Committee, UTHSC-H | 2007-present |
| Member, Orthopaedic Trauma Association Open Fracture Classification Committee | 2007-present |
| Reviewer, Journal of Orthopaedic Trauma | 2006-present |
| Member, Multidisciplinary Trauma Review Committee, SFGH | 2006-2007 |
| Coordinator, Combined Hand Surgery Conference, SFGH | 2006-2007 |
| Coordinator, Combined Orthopaedic/Plastic Surgery Hand Journal Club | 2006-2007 |
| Co-Founder, Plastic, Reconstructive, and Orthopaedic Surgery (PROS) Clinic, USCF/SMMC | 2006-2007 |
| Director of Upper Extremity Surgery, SFGH 2005-2007 Member, CME Governing Board, UCSF | 2005-2007 |
| Member, Residency Review Committee, UCSF | 2005-2006 |

Publications

1. MK Sen, N Sama, M Raglan, C Bircher, M Bircher, DL Helfet. *Operative Treatment of Acetabular Fractures in the Paediatric Population*. Accepted to The Journal of Pediatric Orthopaedics.
2. Orthopaedic Trauma Association: Open Fracture Study Group. *A New Classification Scheme for Open Fractures*. Accepted to The Journal of Orthopaedic Trauma, Aug. 2010, Vol. 24, No. 8.
3. M Nousiainen, MK Sen, D Mintz, D Lorich, O Omesh, DL Helfet. *The Use Osteochondral Allograft in the Treatment of a Severe Femoral Head Fracture*. The Journal of Orthopaedic Trauma, Feb. 2010, Vol. 24, No. 2 .
4. MK Sen, A Agarwal, U Kandemir, S Nork. *Advanced Surgical Approaches Video Series: Humerus Fractures*. Web publication.
5. M Sen. *Fracture-Dislocations of the Elbow*. Audio-Digest Orthopaedics, June 2008, Vol. 31, Issue 6.
6. MK Sen, N Strauss, EJ Harvey. *Minimally Invasive Plate Osteosynthesis of Distal Radius Fractures Using a Pronator Sparing Approach*. Techniques in Hand and Upper Extremity Surgery, March 2008, Vol.12, Issue 1.
7. MK Sen, N Sama, DL Helfet. *Open Reduction and Internal Fixation of Coronal Fractures of the Capitellum*. The Journal of Hand Surgery (A), November 2007, Vol. 32A, No. 9:1462-1465.
8. MK Sen, T Miclau. *Autologous Iliac Crest Bone Graft: Should it still be the gold standard for the treatment of nonunions?*. *Injury*, March 2007, Vol. 38, Issue 1, Supplement 1:S75-S80.
9. V Wedler, M Farshad, MK Sen, C Koehler, A Handschin, K Graetz, W Kuenzi. *Retrospective Analysis and Clinical Evaluation of Mandible Reconstruction Using a Free Fibular Graft*. Eur. J. Plast Surg, February 2007, Vol. 29, No. 6:285-291.
10. V Wedler, M Farshad, MK Sen, C Köhler, W Künzi. *Clinical Outcome and Long Term Follow-up after Liposuction Procedures*. Eur. J. Plast Surg, January 2007, Vol. 29, No. 5:209-215.

11. EJ Harvey, M Sen, P Martineau. *A Vascularized Technique for Bone-Tissue-Bone Repair in Scapholunate Dissociation*. Techniques in Hand and Upper Extremity Surgery, Sept 2006, Vol 10, No. 3:166-72.
12. O Borens, MK Sen, RC Huang, J Richmond, P Kloen, JB Jupiter, DL Helfet. *Anterior Tension Band Plating for Anterior Tibial Stress Fractures in High Performance Athletes*. The Journal of Orthopaedic Trauma, July 2006, Vol 20, No 6:425-430.
13. MK Sen, T. Steffen, A. Tsantrizos, R. Reindl, M. Aebi. *Atlantoaxial Fusion Using Anterior Transarticular Screw Fixation of C1-C2: A Technical Innovation and Biomechanical Study*. European Spine Journal, June 2005, Vol 14, No 5.
14. MK Sen, D. Steinitz, P. Guy, R. Reindl, EJ Harvey. *Anatomical Risks of Supra-Acetabular Screws in Percutaneous Internal Fixation of the Acetabulum and Pelvis*. American Journal of Orthopedics, Feb 2005, Vol 34, Issue 2.
15. R. Reindl, M. Sen, M. Aebi. *Anterior Instrumentation for Traumatic C1-C2 Instability*. Spine, Sept 2003, Vol 28, Issue 17.
16. D Kotilingam, MK Sen, K Dickson. *Risk Factors Determining the Outcomes in Femoral Neck Fractures Treated with Internal Fixation*. Submitted to The Journal of Orthopaedic Trauma.
17. MK Sen, T Tchirkounova, A Jandali, S Morshed, C Köhler, A Hanschin, W Kuenzi, V Wedler. *Complications of Free Tissue Transfer Following Lower Extremity Trauma: Factors Influencing Outcome*. Submitted to Plastic and Reconstructive Surgery.
18. MK Sen, M Saint-Cyr, A Weiland. *The Use of Free Tissue Transfer in Extremity Trauma*. Submitted to Journal of the American Academy of Orthopaedic Surgeons.
19. M Saint-Cyr, MK Sen, A Gupta. *Dorsal Percutaneous Accutrak Screw Fixation for Delayed and Nonunion of the Scaphoid: A Pilot Study*. Submitted to The Journal of Hand Surgery (Br).

Books and Book Chapters

1. MK Sen. *Supracondylar Femur Fractures*. In Review of Orthopaedic Trauma, 2nd ed., Brinker.
2. KF Dickson, MK Sen. *Nonunions and Malunions of the Pelvis and Acetabulum*.
3. KF Dickson, MK Sen. *The Extended Iliofemoral Approach*.
4. MK Sen, EJ Harvey. *Management of Soft Tissue Loss after Trauma*. In Complications of Open Fractures (AAOS Monograph), L. Scott Levin, AAOS 2008.
5. MK Sen, DL Helfet. *Surgical Dislocation of the Hip for Fractures of the Femoral Head*. In Masters Techniques in Orthopaedic Surgery: Fractures, 2nd ed., Wiss and Williams, Lippincott Williams and Wilkins (2006).
6. DL Helfet, MK Sen, CS Bartlett, N Sama, AL Malkani. *Acetabular Fractures: The Extended Iliofemoral Approach*. In Masters Techniques in Orthopaedic Surgery: Fractures, 2nd ed., Wiss and Williams, Lippincott Williams and Wilkins (2006).
7. CS Bartlett, MK Sen, DL Helfet. *Acetabular Fractures*. In AO Principles of Fracture Management, 2nd ed., Ruedi and Murphy, Thieme Medical Publishers (2006).

Awards

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| AO JOHN BORDER MEMORIAL EUROPEAN TRAUMA FELLOWSHIP AO NORTH AMERICA | 2005 |
| ANNUAL VISITING PROFESSOR RESIDENT RESEARCH PAPER COMPETITION: 3RD PLACE MCGILL UNIVERSITY DEPT. OF ORTHOPAEDIC SURGERY | 2000 |
| OSLER MEDICAL AID FOUNDATION TRAVEL SCHOLARSHIP MCGILL UNIVERSITY FACULTY OF MEDICINE | 1996 |

Grants

1. **R01AR057837-01A1** *Microengineered Osteons for Bone Tissue Engineering*. P. Yang, MK Sen.
2. **Wallace H. Coulter Foundation Early Career Translational Research Award**. *Optimizing Bone Regeneration with Load Bearing and Osteoinductive Functionally Graded Biomimetic Scaffolds*. P Yang, MK Sen.
3. **Airlift Research Foundation**. *Accelerating Early Weight Bearing Segmental Bone Regeneration by Biomimetic Synthetic Long Bone Grafts*. P. Yang, MK Sen.
4. **DOD Grant OR090562**. *Optimizing segmental bone regeneration using functionally graded scaffolds*. P Yang, MK Sen.
5. **Orthopaedic Trauma Association Resident Research Grant**. *Locked Plate Fixation of Patella Fractures*. K Banks, MK Sen.
6. **Synthes USA Research Grant**. *Biomechanical Evaluation of the Stability of Trans-Sacral Fixation for the Management of Vertically Unstable Pelvic Fractures and Dislocations*. D. Dominy, MK Sen.

Presentations/Posters

1. Overview of the Medial Elbow. **ASSH 2010 Master Skills Series: Trauma of the Elbow, Forearm and Wrist**. Rosemont, Illinois (May 21, 2010).
2. *Six Weeks After the Haitian Earthquake: The UT Experience and Lessons Learned*. **UT Faculty Wives and Women Faculty Luncheon**. Houston, Texas (May 6, 2010).
3. *The UT Experience in Haiti*. **UTH Dept. of Orthopaedic Surgery Grand Rounds**. Houston, Texas (Apr. 30, 2010).
4. *Management of Soft Tissue Injury and Traumatic Wounds*. **Smith and Nephew 2010 Science Summit: Prepare, Protect, Progress**. San Francisco (Apr. 24, 2010)
5. *Proximal Humerus Fractures*. **UTHSC-H Orthopaedic Trauma Service Weekly Trauma Conference**. Houston, Texas (Apr. 14, 2010).
6. *Fractures of the Humeral Diaphysis*. **OTA Comprehensive Fracture Course for Residents**. Rosemont, Illinois (Mar. 15-17, 2010).
7. *Intracapsular Hip Fractures*. **OTA Comprehensive Fracture Course for Residents**. Rosemont, Illinois (Mar. 15-17, 2010).
8. *Lab Presentation: Tension Band Wiring*. **OTA Comprehensive Fracture Course for Residents**. Rosemont, Illinois (Mar. 15-17, 2010).
9. *Current Concepts in Upper Extremity/Shoulder Trauma*. **Stryker Trauma Symposium**. St. Louis, Missouri (April 1, 2010).
10. *Soft Tissue Management in High Energy Trauma*. **UTHSC-H Orthopaedic Trauma Service Weekly Trauma Conference**. Houston, Texas (Mar. 31, 2010).

11. *Soft Tissue Trauma and Open Fractures*. **Smith and Nephew Wound Management Expert Panel**. Atlanta, Georgia (Mar. 27, 2010).
12. *Prepare, Protect, Progress: Dedicated to the Management of Soft Tissue Injuries*. **American Academy of Orthopaedic Surgeons Annual Meeting**. New Orleans, Louisiana (Mar. 10, 12, 2010).
13. *Instructional Course Lecture: State-of-the-Art for Complex Distal Radius Fractures -Surgical Approaches to the Distal Radius: Principles and Pearls*. **American Academy of Orthopaedic Surgeons Annual Meeting**. New Orleans, Louisiana (Mar. 10, 2010).
14. *Instructional Course Lecture: Soft Tissue Management in Orthopaedic Trauma -Timing and Techniques in Soft Tissue Coverage*. **American Academy of Orthopaedic Surgeons Annual Meeting**. New Orleans , Louisiana (Mar. 10, 2010).
15. *Overview of Carpal Instability*. **Stryker Hand and Upper Extremity Dissection Course**. Ft. Lauderdale, Florida (Feb. 26, 2009).
16. *Distal Radius Malunion*. **UTHSC-H Orthopaedic Trauma Service Weekly Trauma Conference**. Houston, Texas (Feb. 17, 2010).
17. *Scaphoid Fractures and Nonunions*. **North American Hand and Wrist Workshop**. Dallas, Texas (Jan. 30, 2010).
18. *Corrective Osteotomy of Distal Radius Malunions*. **North American Hand and Wrist Workshop**. Dallas, Texas (Jan. 30, 2010).
19. *Periprosthetic Fractures*. **Synthes Periprosthetic Fracture Symposium**. Austin, Texas (Dec. 2, 2009).
20. *Proximal Humerus Fractures*. **UTHSC-H Orthopaedic Trauma Service Weekly Trauma Conference**. Houston, Texas (Nov. 4, 2009).
21. *Distal Humerus Fractures and their Complicaitons*. **The UTHSC-H Dept. of Orthopaedic Surgery 53rd Annual Edward T. Smith Orthopaedic Lectureship**. Houston, Texas (Oct. 22, 2009).
22. *Metaphyseal Tibia Fractures -Treatment Options and Tips*. **OTA 15th Annual Comprehensive Fracture Course for Residents**. San Diego, California (Oct. 10, 2009).
23. *Case Presentations: Problems Solved in Proximal Humerus Fractures*. **Orthopaedic Trauma Association Annual Meeting**. San Diego, California (Oct 9, 2009).
24. *Humeral Shaft Fractures*. **Trauma Case Controversies**. New York, New York (Sept. 26, 2009).
25. *Latest Technologies in the Treatment of Hand and Wrist Fractures*. **American Society for Surgery of the Hand Annual Meeting**. San Francisco, California (Sept. 3, 2009).
26. *Upper Extremity Articular Fractures: Distal Radius*. **AO North American Basic Principles and Techniques of Operative Fracture Management Course**. La Jolla, California (Aug. 29, 2009).
27. *Principles and Decision Making: Preoperative Planning*. **AO North American Basic Principles and Techniques of Operative Fracture Management Course**. La Jolla, California (Aug. 28, 2009).
28. *Practical Exercise: Preoperative Planning -Forearm Model*. **AO North American Basic Principles and Techniques of Operative Fracture Management Course**. La Jolla, California (Aug. 28, 2009).
29. *Distal Radius Fractures: Fact vs Fiction*. **8th Annual Southeast Trauma Symposium**. San Destin, Florida (Aug. 2, 2009).
30. *Acute Management of Traumatic Nerve Injury*. **8th Annual Southeast Trauma Symposium**. San Destin,

Florida (Aug. 1, 2009).

31. *Posterior Malleolus Fractures -ORIF: When, how, and why?* **Osteosynthesis and Trauma Care Foundation Leadership Forum.** Nice, France (June 25, 2009).
32. *Gunshot Wounds and Retrograde Intramedullary Nails.* **Stryker Temporizing Fixation, Locked Plating, and IM Nailing Training Course.** Chicago, Illinois (May 28, 2009).
33. *Locked Plating of the Distal Femur and Proximal Tibia.* **Stryker Temporizing Fixation, Locked Plating, and IM Nailing Training Course.** Chicago, Illinois (May 28, 2009).
34. *High Energy Orthopaedic Injury and Orthopaedic Trauma.* **Stryker Temporizing Fixation, Locked Plating, and IM Nailing Training Course.** Chicago, Illinois (May 28, 2009).
35. *Management of Soft Tissue Injury and Traumatic Wounds.* **Smith and Nephew 2009 Science Summit: Prepare, Protect, Progress.** Las Vegas, Nevada (May 9, 2009).
36. *Workshop: Pediatric and Adolescent Femur Fracture Treatment with Intramedullary Nailing and Locked Plating.* **4th Annual San Francisco Orthopaedic Trauma Course.** San Francisco, California (May 2, 2009).
37. *Is Iliac Crest Bone Graft Still the Gold Standard?.* **4th Annual San Francisco Orthopaedic Trauma Course.** San Francisco, California (May 1, 2009).
38. *Risk Factors Determining the Radiological Outcomes in Femoral Neck Fractures Treated with Internal Fixation.* **Texas Orthopaedic Association Annual Meeting.** Austin, Texas (April 24-25, 2009).
39. *Proximal Humerus Fractures.* **Stryker Trauma Upper Extremity Dissection Course.** Ft. Lauderdale, Florida (April 24, 2009).
40. *Case Presentations.* **Stryker Trauma Upper Extremity Dissection Course.** Ft. Lauderdale, Florida (April 24, 2009).
41. *Management of Soft Tissue Injury and Traumatic Wounds.* **Smith and Nephew 2009 Science Summit: Prepare, Protect, Progress.** San Francisco, California (April 17, 2009).
42. *Recognizing, Treating, or Referring the Complex Carpal Injuries.* **AO Western Regional Fracture Summit.** Coronado, California (April 4, 2009).
43. *The Radial Head Fracture: How to Decide When to Fix, Replace, or Excise and What is New?* **AO Western Regional Fracture Summit.** Coronado, California (April 4, 2009).
44. *Negative Pressure Wound Therapy, Hydrosurgical Debridement, and the Science of Silver.* **American Academy of Orthopaedic Surgeons Annual Meeting.** Las Vegas, Nevada (Feb. 26 and 27, 2009).
45. *Distal Radius Fractures – Evolution of Treatment and Outcomes.* **Stryker Trauma Hand and Upper Extremity Course.** New Orleans, Louisiana (Nov. 6-7, 2008).
46. *DRUJ Anatomy and Examination.* **Stryker Trauma Hand and Upper Extremity Course.** New Orleans, Louisiana (Nov. 6-7, 2008).
47. *TFCC Tears – Diagnosis and Treatment.* **Stryker Trauma Hand and Upper Extremity Course.** New Orleans, Louisiana (Nov. 6-7, 2008).
48. *Fracture-Dislocations of the Elbow.* **Stryker Trauma Hand and Upper Extremity Course.** New Orleans, Louisiana (Nov. 6-7, 2008).
49. *ICBG, Bone Graft Substitutes.* **Stryker Trauma Hand and Upper Extremity Course.** New Orleans, Louisiana

(Nov. 6-7, 2008).

50. *Workshop: VariAx Locking Modular Hand Set. Stryker Trauma Hand and Upper Extremity Course.* New Orleans, Louisiana (Nov. 6-7, 2008).
51. *Workshop: VariAx Distal Radius Locking Plate. Stryker Trauma Hand and Upper Extremity Course.* New Orleans, Louisiana (Nov. 6-7, 2008).
52. *Open Fractures: Pushing the Orthopaedic Boundaries. Synthes National Nailing Symposium.* Bristol, United Kingdom (Sept. 12, 2008).
53. *Nailing: What Can the Americans Teach Us? Synthes National Nailing Symposium.* Bristol, United Kingdom (Sept. 12, 2008).
54. *Proximal Humerus Fractures. 7th Annual Southeast Trauma Symposium.* San Destin, Florida (Aug. 31-Sept. 3, 2008).
55. *Scaphoid Fractures and Nonunions. 3rd Annual Hand Fracture Management Symposium.* University of Texas Southwestern Medical Center. Dallas, Texas (Aug. 22-23, 2008).
56. *Wrist Fusion. 3rd Annual Hand Fracture Management Symposium.* University of Texas Southwestern Medical Center. Dallas, Texas (Aug. 22-23, 2008).
57. *Negative Pressure Wound Therapy and Orthopaedic Trauma. Masters Course: Advanced Techniques in Surgical Wound Management.* San Francisco, California (Aug. 16, 2008).
58. *Management of High Energy Soft Tissue Trauma. III Curso de Ortopedia y Traumatologia.* Bogota, Columbia (July 11-12, 2008).
59. *Fat Embolism Syndrome. III Curso de Ortopedia y Traumatologia.* Bogota, Columbia (July 11-12, 2008).
60. *Fractures of the Proximal Humerus: ORIF. III Curso de Ortopedia y Traumatologia.* Bogota, Columbia (July 11-12, 2008).
61. *Fracture Dislocations of the Elbow. III Curso de Ortopedia y Traumatologia.* Bogota, Columbia (July 11-12, 2008).
62. *Complex Distal Radius Fractures. III Curso de Ortopedia y Traumatologia.* Bogota, Columbia (July 11-12, 2008).
63. *The Painful Wrist and Elbow. UTH Spring Orthopaedic Update Course.* Houston, Texas (May 30-31, 2008).
64. *What is the Evidence?: Autografting Techniques. UCSF/SFGH Orthopaedic Trauma Course.* San Francisco, California (May 1-3, 2008).
65. *Common Complex Carpal Injuries. UCSF/SFGH Orthopaedic Trauma Course.* San Francisco, California (May 1-3, 2008).
66. *Workshop: Proximal Tibial Nailing with Platelet Rich Concentrate. UCSF/SFGH Orthopaedic Trauma Course.* San Francisco, California (May 1-3, 2008).

67. *Diaphyseal Fractures: Tibia*. **AO North America Basic Principles and Techniques of Operative Fracture Management Course**. Houston, Texas (February 21-24, 2008).
68. *Fracture-Dislocations of the Elbow*. **UTH Dept. of Orthopaedic Surgery Grand Rounds**. Houston, Texas (February 7, 2008).
69. *Effect of Injury on Bone and Soft Tissue*. **AO North America Basic Principles and Techniques of Operative Fracture Management Course**. Jacksonville, Florida (January 31-February 3, 2008).
70. *Articular Fractures: Distal Radius*. **AO North America Basic Principles and Techniques of Operative Fracture Management Course**. Jacksonville, Florida (January 31-February 3, 2008).
71. *Locking Compression Plates in Proximal Tibia Fractures*. **Treatment Options for Difficult Fractures: Advanced Technology Symposium**. San Francisco, California (Dec. 8, 2007).
72. *Workshop: Fixation of Distal Femur Fractures Using a 4.5mm LCP Condylar Locking Plate*. **Treatment Options for Difficult Fractures: Advanced Technology Symposium**. San Francisco, California (Dec. 8, 2007).
73. *Perilunate Dislocations*. **Napa Hand and Upper Extremity Trauma Course**. Napa, California (Oct. 5-7, 2007).
74. *ORIF of Distal Radius Fractures*. **Napa Hand and Upper Extremity Trauma Course**. Napa, California (Oct. 5-7, 2007).
75. *ORIF of Proximal Humerus Fractures*. **Napa Hand and Upper Extremity Trauma Course**. Napa, California (Oct. 5-7, 2007).
76. *Workshop: Proximal Humeral Locking Plate*. **Napa Hand and Upper Extremity Trauma Course**. Napa, California (Oct. 5-7, 2007).
77. *Workshop: Locked Plating of Distal Radius Fractures*. **International Trauma Symposium**. Aventura, Florida (Sept. 7-8, 2007).
78. *Fracture-Dislocations of the Elbow*. **UCSF Dept. of Orthopaedics Resident Seminars**. San Francisco, California (Aug. 29, 2007).
79. *Distal Radius Fractures: External Fixation*. **North American Users Meeting of the AO Technical Commission – Trauma: Locking Compression Plate (LCP) and Expert Nail System**. Chicago, Illinois (August 24-25, 2007).
80. *Olecranon, Forearm, and Distal Radius Fractures*. **North American Users Meeting of the AO Technical Commission – Trauma: Locking Compression Plate (LCP) and Expert Nail System**. Chicago, Illinois (August 24-25, 2007).
81. *Workshop: Open Reduction and Internal Fixation of Distal Radius Fractures (Synthes)*. **Chicago Trauma Symposium**. Chicago, Illinois (Aug. 9-11, 2007).
82. *Scaphoid Fractures and Nonunions*. **Hand Fracture Management Symposium**. University of Texas Southwestern Medical Center. Dallas, Texas (July 28, 2007).
83. *Corrective Osteotomy of the Radius*. **Hand Fracture Management Symposium**. University of Texas Southwestern Medical Center. Dallas, Texas (July 28, 2007).
84. *Thumb Fractures*. **Doctor's Demystify: The Thumb**. San Francisco, California (May 5, 2007).
85. *Imaging of the Thumb*. **Doctor's Demystify: The Thumb**. San Francisco, California (May 5, 2007).

86. *Management of High Energy Soft Tissue Trauma. AO Visiting Professor.* Grand Rounds, Michigan State University Dept. of Orthopaedics, McLaren Regional Medical Center. Flint, Michigan (April 24-25, 2007).
87. *Distal Radius Fractures. AO Visiting Professor.* Michigan State University Dept. of Orthopaedics, McLaren Regional Medical Center. Flint, Michigan (April 24-25, 2007).
88. *Elbow Fracture-Dislocations. AO Visiting Professor.* Michigan State University Dept. of Orthopaedics, McLaren Regional Medical Center. Flint, Michigan (April 24-25, 2007).
89. *Elbow Fracture-Dislocations. UCSF/SFGH Orthopaedic Trauma Course.* San Francisco, California (April 19-21).
90. *Common Complex Carpal Injuries. UCSF/SFGH Orthopaedic Trauma Course.* San Francisco, California (April 19-21).
91. *Soft Tissue Coverage. UCSF/SFGH Orthopaedic Trauma Course.* San Francisco, California (April 19-21).
92. *Workshop: Locked Plating of the Distal Radius – DVR. UCSF/SFGH Orthopaedic Trauma Course.* San Francisco, California (April 19-21).
93. *Workshop: Wound V.A.C.. UCSF/SFGH Orthopaedic Trauma Course.* San Francisco, California (April 19-21).
94. *Tibial Pilon Fractures. Synthes USA West Area Spring Meeting.* San Diego, California (April 2, 2007).
95. *Orthopaedic Trauma. UCSF Dept. of Orthopaedics Medical Student Teaching.* San Francisco, California (March 1, 2007).
96. *Volar Locking Plate Fixation of Distal Radius Fractures. SFGH Combined Hand Surgery Conference.* (Dec. 22, 2006).
97. *Bone Graft and Biologics. Visiting Professor, Chulalongkorn University, Dept. of Orthopaedics.* Bangkok, Thailand (Nov. 11-15, 2006).
98. *Perilunate Dislocations. Visiting Professor, Chulalongkorn University, Dept. of Orthopaedics.* Bangkok, Thailand (Nov. 11-15, 2006).
99. *Volar Locking Plate Fixation of Distal Radius Fractures. Visiting Professor, Chulalongkorn University, Dept. of Orthopaedics.* Bangkok, Thailand (Nov. 11-15, 2006).
100. *Outcomes After Distal Radius Fractures. Visiting Professor, Chulalongkorn University, Dept. of Orthopaedics.* Bangkok, Thailand (Nov. 11-15, 2006).
101. *Fracture-Dislocations of the Elbow. Visiting Professor, Chulalongkorn University, Dept. of Orthopaedics.* Bangkok, Thailand (Nov. 11-15, 2006).
102. *Proximal Locking Plate Fixation of Proximal Humerus Fractures. Visiting Professor, Chulalongkorn University, Dept. of Orthopaedics.* Bangkok, Thailand (Nov. 11-15, 2006).
103. *Outcomes After Distal Radius Fractures. International Trauma Symposium.* Orlando, Florida (Nov. 2-4, 2006).
104. *Workshop: ORIF of Distal Radius Fractures. International Trauma Symposium.* Orlando, Florida (Nov. 2-4, 2006).

105. *Perilunate Injuries*. **Stryker Hand and Wrist Trauma Course**. Napa, California (Oct. 27-29, 2006).
106. *Distal Radius Fractures – ORIF*. **Stryker Hand and Wrist Trauma Course**. Napa, California (Oct. 27-29, 2006).
107. *Bone Graft and Biologics*. **Stryker Hand and Wrist Trauma Course**. Napa, California (Oct. 27-29, 2006).
108. *Management of Soft Tissue Trauma*. **San Francisco Orthopaedic Residency Program**. San Francisco, California (Sept. 18, 2006).
109. *Proximal Humeral Locking Plates*. **UCSF/SFGH Orthopaedic Trauma Course**. San Francisco, California (May 18-20, 2006).
110. *Lower Extremity Soft Tissue Coverage*. **UCSF/SFGH Orthopaedic Trauma Course**. San Francisco, California (May 18-20, 2006).
111. *Workshop: Distal Radius Locked Plating -UDR, Stryker*. **UCSF/SFGH Orthopaedic Trauma Course**. San Francisco, California (May 18-20, 2006).
112. *Basic Hand Anatomy and Pathology*. **SFGH Combined Hand Surgery Conference**. San Francisco, California (Apr. 14, 2006).
113. *Instructional Course Lecture 401: Management of High Energy Soft-Tissue Trauma in Orthopaedics*. **American Academy of Orthopaedic Surgeons Annual Meeting**. Chicago, Illinois (Mar. 26, 2006).
114. *Acetabular Fractures in the Pediatric Population*. **American Academy of Orthopaedic Surgeons Annual Meeting**. Chicago, Illinois (Mar. 22-26, 2006).
115. *Proximal Femur Fractures*. **Synthes USA West Area Spring Meeting**. San Francisco, California (Feb. 13 and 16, 2006)
116. *Soft Tissue Management in Extremity Trauma*. **UCSF Dept. of Orthopaedics Resident Seminars**. San Francisco, California (Feb. 15, 2006).
117. *Fracture Dislocations of the Elbow*. **UCSF Dept. of Orthopaedics Resident Seminars**. San Francisco, California (Aug. 23, 2006).
118. *Hand Pathoanatomy*. **UCSF Dept. of Orthopaedics Resident Seminars**. San Francisco, California (Aug. 30, 2006).
119. *Orthopaedic Trauma*. **UCSF Dept. of Orthopaedics Medical Student Teaching**. San Francisco, California. (Feb. 23, 2006).
120. *Free Flaps in the Management of Extremity Trauma*. **UCSF Dept. of Orthopaedics Grand Rounds**. San Francisco, California (Oct. 19, 2005).
121. *Open Reduction and Internal Fixation of Acetabular Fractures in Adolescents*. **Hospital for Special Surgery Research Day**. New York, New York (July 2005).
122. *Scaphoid Nonunion*. **San Francisco General Hospital Trauma Conference**. San Francisco, California (December 2004).
123. *Dorsal Percutaneous Accutrak Screw Fixation for Delayed and Nonunion of the Scaphoid*. **American Society for Surgery of the Hand Annual Meeting**. New York, New York (September 2004).

124. *Volunteering in the Developing World: A Surgeon's Experience in Vietnam*. **Kentuckiana Association of Hand Health Professionals Annual Fall Symposium -American Society for Surgery of the Hand Annual Meeting**. New York, New York (September 2004).
125. *Scaphoid Nonunion*. **Orthopaedics Overseas Visiting Instructor**. Hospital for Traumatology and Orthopaedics, Ho Chi Minh City, Vietnam (July 2004).
126. *Humerus Nonunion*. **Orthopaedics Overseas Visiting Instructor**. Hospital for Traumatology and Orthopaedics, Ho Chi Minh City, Vietnam (July 2004).
127. *Distal Radius Malunion*. **Orthopaedics Overseas Visiting Instructor**. Hospital for Traumatology and Orthopaedics, Ho Chi Minh City, Vietnam (July 2004).
128. *Scaphoid Nonunion*. **Orthopaedics Overseas Visiting Instructor**. Cho Ray Hospital, Ho Chi Minh City, Vietnam (July 2004).
129. *Humerus Nonunion*. **Orthopaedics Overseas Visiting Instructor**. Cho Ray Hospital, Ho Chi Minh City, Vietnam (July 2004).
130. *Distal Radius Malunion*. **Orthopaedics Overseas Visiting Instructor**. Cho Ray Hospital, Ho Chi Minh City, Vietnam (July 2004).
131. *Scaphoid Nonunion*. **Orthopaedics Overseas Visiting Instructor**. Hue Medical College, Hue, Vietnam (July 2004).
132. *Humerus Nonunion*. **Orthopaedics Overseas Visiting Instructor**. Hue Medical College, Hue, Vietnam (July 2004).
133. *Distal Radius Malunion*. **Orthopaedics Overseas Visiting Instructor**. Hue Medical College, Hue, Vietnam (July 2004).
134. *Scaphoid Nonunion*. **Orthopaedics Overseas Visiting Instructor**. Hue Central Hospital, Hue, Vietnam (July 2004).
135. *Humerus Nonunion*. **Orthopaedics Overseas Visiting Instructor**. Hue Central Hospital, Hue, Vietnam (July 2004).
136. *Distal Radius Malunion*. **Orthopaedics Overseas Visiting Instructor**. Hue Central Hospital, Hue, Vietnam (July 2004).
137. *Injection Injuries in the Hand*. **Kentuckiana Association of Hand Health Professionals**. Louisville, Kentucky (2004).
138. *Primary Bone Tumors in the Upper Extremity*. **Christine M. Kleinert Institute Fellows Conference**. Louisville, Kentucky(2004).
139. *Atlantoaxial Fusion Using Anterior Transarticular Screw Fixation of C1-C2: A Technical Innovation and Biomechanical Study*. **American Academy of Orthopedic Surgeons Annual Meeting**. San Francisco, California (2004).
140. *Fracture-dislocations of the Proximal Interphalangeal Joint*. **Christine M. Kleinert Institute Fellows Conference**. Louisville, Kentucky (2003).

141. *Atlantoaxial Fusion Using Anterior Transarticular Screw Fixation of C1-C2: A Technical Innovation and Biomechanical Study.* **Orthopaedic Trauma Association Annual Meeting.** Salt Lake City, Utah (October 2003).
142. *Atlantoaxial Fusion Using Anterior Transarticular Screw Fixation of C1-C2: A Technical Innovation and Biomechanical Study.* **Canadian Orthopaedic Association Annual Meeting.** Winnipeg, Manitoba (2003).
143. *Safety Assessment of Percutaneous Fixation of Iliac Fractures: A Cadaver Study.* **Canadian Orthopaedic Association Annual Meeting.** Winnipeg, Manitoba (2003).
144. *Vascularised Fibular Pedicle Graft in the Treatment of Avascular Necrosis of the Talus.* **McGill Orthopaedics Annual Visiting Professor Resident Research Paper Competition (Dr. Russell Warren).** Montreal, Quebec (2003).
145. *Atlantoaxial Fusion Using Anterior Transarticular Screw Fixation of C1-C2: A Technical Innovation and Biomechanical Study.* **Canadian Spine Society 3rd Annual Meeting.** Cornerbrook, Newfoundland (2003).
146. *Atlantoaxial Fusion Using Anterior Transarticular Screw Fixation of C1-C2: A Technical Innovation and Biomechanical Study.* **Canadian Orthopaedic Resident Association Annual Meeting.** Winnipeg, Manitoba (2002).
147. *Atlantoaxial Fusion Using Anterior Transarticular Screw Fixation of C1-C2: A Technical Innovation and Biomechanical Study.* **McGill Orthopaedics Annual Visiting Professor Resident Research Paper Competition (Dr. Kelly Vince).** Montreal, Quebec (2002).
148. *Pseudarthrosis of the Radius Treated With Vascularised Fibular Graft.* **McGill Orthopaedics Annual Eugene Rogala Pediatric Visiting Professor in Pediatric Orthopaedic Surgery (Dr. Dror Paley).** Montreal, Quebec (2001).
149. *Three Dimensional Intraoperative Pelvimetry to Manage Pelvic Hemodynamic Instability.* **McGill Orthopaedics Annual Visiting Professor Resident Research Paper Competition (Dr. Franklin Sim).** Montreal, Quebec (2001).
150. *Safety Assessment of Percutaneous Fixation of Iliac Fractures: A Cadaver Study.* **McGill University 11th Annual Fraser Gurd Day.** Montreal, Quebec (2000).
151. *Safety Assessment of Percutaneous Fixation of Iliac Fractures: A Cadaver Study.* **McGill Orthopaedics Annual Visiting Professor Resident Research Paper Competition (Dr. Ian Alexander).** Montreal, Quebec (2000).
152. *Student University Network for Social and International Health Traveling Exhibit: Canadian International Development Agency Sponsored Student Projects.* **3rd Canadian Conference on International Health.** Ottawa, Ontario (1997).

Course Faculty

1. **ASSH 2010 Master Skills Series: Trauma of the Elbow, Forearm and Wrist.** Rosemont, Illinois (May 21, 2010).
2. **Smith and Nephew 2010 Science Summit: Prepare, Protect, Progress.** San Francisco (Apr. 24, 2010).
3. **OTA Comprehensive Fracture Course for Residents.** Rosemont, Illinois (Mar. 15-17, 2010).
4. **Smith and Nephew Wound Management Expert Panel.** Atlanta, Georgia (Mar. 27, 2010).
5. **Stryker Hand and Upper Extremity Dissection Course.** Ft. Lauderdale, Florida (Feb. 26-27, 2009).
6. **North American Hand and Wrist Workshop.** Dallas, Texas (Jan. 29-30, 2010).

7. **Chair: The UTHSC-H Dept. of Orthopaedic Surgery 53rd Annual Edward T. Smith Orthopaedic Lectureship.** Houston, Texas (Oct. 22, 2009).
8. **OTA 15th Annual Comprehensive Fracture Course for Residents.** San Diego, California (Oct. 8-10, 2009).
9. **Trauma Case Controversies.** New York, New York (Sept. 25-26, 2009).
10. **AO North American Basic Principles and Techniques of Operative Fracture Management Course.** La Jolla, California (Aug. 27-30, 2009).
11. **8th Annual Southeast Trauma Symposium.** San Destin, Florida (July 30-Aug. 2, 2009).
12. **Osteosynthesis and Trauma Care Foundation Leadership Forum.** Nice, France (June 25-26, 2009).
13. **Stryker Temporizing Fixation, Locked Plating, and IM Nailing Training Course.** Chicago, Illinois (May 28, 2009).
14. **Smith and Nephew 2009 Science Summit: Prepare, Protect, Progress.** Las Vegas, Nevada (May 9, 2009).
15. **4th Annual San Francisco Orthopaedic Trauma Course.** San Francisco, California (April 30-May 2, 2009).
16. **Chair: Foundation for Orthopaedic Trauma Upper Extremity Dissection Course.** San Francisco, California (April 29, 2009).
17. **Stryker Trauma Upper Extremity Dissection Course.** Ft. Lauderdale, Florida (April 24, 2009).
18. **Smith and Nephew 2009 Science Summit: Prepare, Protect, Progress.** San Francisco, California (April 17, 2009)
19. **AO Western Regional Fracture Summit.** Coronado, California (April 3-5, 2009).
20. **Chair: Stryker Trauma Hand and Upper Extremity Course.** New Orleans, Louisiana (Nov. 6-7, 2008).
21. **OTA Annual Meeting Lab Faculty.** Denver, Colorado (October 17, 2008).
22. **Keynote Speaker: Synthes National Nailing Symposium.** Bristol, United Kingdom (Sept. 12, 2008).
23. **3rd Annual Hand Fracture Management Symposium.** University of Texas Southwestern Medical Center Dallas, Texas (Aug. 22-23, 2008).
24. **Masters Course: Advanced Techniques in Surgical Wound Management.** San Francisco, California (Aug. 16, 2008).
25. **7th Annual Southeast Trauma Symposium.** San Destin, Florida (Aug. 31-Sept. 3, 2008).
26. **III Curso de Ortopedia y Traumatologia.** Bogota, Columbia (July 11-12, 2008).
27. **UTH Spring Orthopaedic Update Course.** Houston, Texas (May 30-31, 2008).
28. **UCSF/SFGH Orthopaedic Trauma Course.** San Francisco, California (May 1-3, 2008).
29. **AO North American Basic Principles and Techniques of Operative Fracture Management Course.** Houston, Texas (February 21-24, 2008).
30. **AO North American Basic Principles and Techniques of Operative Fracture Management Course.** Jacksonville, Florida (January 31-February 3, 2008).
31. **Chair: Treatment Options for Difficult Fractures: Advanced Technology Symposium.** San Francisco, California (Dec. 8, 2007).
32. **Co-Chair: AONA Orthopaedic Bioskills Workshop.** San Francisco, California (Dec. 7, 2007).
33. **Chair: Napa Hand and Upper Extremity Trauma Course.** Napa, California (Oct. 5-7, 2007).
34. **International Trauma Symposium.** Aventura, Florida (Sept. 7-8, 2007).
35. **AO North American Basic Principles and Techniques of Operative Fracture Management Course.**

Montreal, Quebec, CA (August 15-19, 2007).

36. **Chicago Trauma Symposium.** Chicago, IL (August 9-11, 2007).
37. **Hand Fracture Management Course, University of Texas Southwestern Medical Center.** Dallas, Texas (July 28, 2007).
38. **Doctor's Demystify the Thumb.** San Francisco, California (May 5, 2007).
39. **AO Visiting Professor, Michigan State University, Dept. of Orthopaedics,** Flint, Michigan (April 24-25, 2007).
40. **UCSF/SFGH Orthopaedic Trauma Course.** San Francisco, California (April 19-21, 2007).
41. **Visiting Professor, Chulalongkorn University, Dept. of Orthopaedics.** Bangkok, Thailand (November 11-15, 2006).
42. **International Trauma Symposium.** Orlando, Florida (November 3-4, 2006).
43. **Chair: Stryker Hand and Wrist Trauma Course.** Napa, California (October 26-29, 2006).
44. **AO North American Basic Principles and Techniques of Operative Fracture Management Course.** Marco Island, Florida (June, 2006).
45. **UCSF/SFGH Orthopaedic Trauma Course.** San Francisco, California (2006).
46. **Table Instructor: OTA Residents Basic Fracture Course.** Ottawa, Ontario (October 2005).
47. **Orthopaedics Overseas Visiting Instructor.** Hospital for Traumatology and Orthopaedics (Ho Chi Minh City),
48. Cho Ray Hospital (Ho Chi Minh City), Hue Medical College (Hue), Hue Central Hospital (Hue), Vietnam (July 2004).

Memberships in Professional Societies

- American Academy of Orthopedic Surgeons
- American Medical Association
- American Orthopaedic Association Emerging Leaders Program
- American Society for Peripheral Nerve
- American Society for Surgery of the Hand
- AO/Association for the Study of Internal Fixation
- Canadian Medical Association
- Canadian Orthopaedic Association
- Foundation for Orthopaedic Trauma
- Health Volunteers Overseas
- Orthopaedic Trauma Association
- Royal College of Surgeons of Canada
- Texas Medical Association

Licensing Examinations

American Board of Orthopaedic Surgery (Part 1) 2008 Royal College of Surgeons of Canada (Ortho) 2003
United States Medical Licensing Examination (Steps 1, 2, 3) 2002 Medical Council of Canada Qualifying
Examination (Part 1)

References available on request.