

HASSAN R. MIR, MD, MBA, FAOA, FACS

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EMPLOYMENT

♦ **Florida Orthopaedic Institute / University of South Florida**

Director of Orthopaedic Residency Program 01/2016 – Present

Director of Orthopaedic Trauma Service Research 09/2015 – Present

Associate Professor of Orthopaedics 09/2015 – Present

Associate Director of Orthopaedic Residency Program 09/2015 – 12/2015

♦ **Vanderbilt University**

Associate Professor of Orthopaedics and Rehabilitation 08/2014 – 08/2015

Associate Director of Orthopaedic Trauma 04/2015 – 08/2015

Medical Director of Finance, Vanderbilt Orthopaedic Institute 03/2014 – 08/2015

Assistant Professor of Orthopaedics and Rehabilitation 09/2010 – 07/2014

♦ **WellSpan Orthopaedics**

Orthopaedic Trauma Surgeon 08/2009 – 08/2010
York, PA

EDUCATION

♦ **Master of Business Administration**

Auburn University Physician Executive MBA Program 08/2012 – 05/2014
Auburn, AL **GPA: 4.0**

♦ **Fellowships**

AAOS Leadership Fellow 03/2015 – 03/2016

AOA/JOA Travelling Fellow 05/2014
Japan

Florida Orthopaedic Institute 07/2008 – 07/2009
Orthopaedic Traumatology and Post-Traumatic Reconstruction
Tampa, FL

♦ **Residency**

The Campbell Clinic 07/2004 – 06/2008
University of Tennessee Department of Orthopaedic Surgery
Memphis, TN

♦ **Internship**

University of Tennessee Department of Surgery 06/2003 – 06/2004
Memphis, TN

- ♦ **Medical School** 08/1999 – 05/2003
West Virginia University School of Medicine (MD)
Morgantown, WV **Top Graduate 2003**
- ♦ **Undergraduate** 08/1995 – 12/1998
West Virginia University
Morgantown, WV Degree: Chemistry (BA)
Summa Cum Laude (GPA: 3.97)
- ♦ **Secondary** 08/1991 – 06/1995
Valley High School
Smithers, WV **Valedictorian (GPA: 4.0)**

L I C E N S U R E & C E R T I F I C A T I O N S

Examinations

- ♦ ABOS Part 2 Oral Exam (Board Certified) Passed (07/21/2011)
- ♦ ABOS Part 1 Written Exam (Board Eligible) Passed (07/18/2008)
- ♦ USMLE
Step 1: 99th Percentile
Step 2: 95th Percentile
Step 3: 93rd Percentile

Licenses

- ♦ Mississippi State Licensure (19198, 01/30/2006, Active)
- ♦ Florida State Licensure (ME 101597, 05/12/2008, Active)
- ♦ Pennsylvania State Licensure (MD437960, 07/22/2009, Active)
- ♦ Tennessee State Licensure (46441, 07/12/2010, Active)
- ♦ DEA Number (FM0833219, 05/20/2008, Active)
- ♦ NPI Number (1467675710, 04/11/2007, Active)

C O N S U L T I N G

- ♦ Bonefied Solutions (2012 – Present)
- ♦ Smith and Nephew Orthopaedics (2013 – Present)
- ♦ Zimmer Biomet (2017 – Present)
- ♦ OrthoGrid (2017 – Present)
- ♦ Acumed (2014 – 2015)
- ♦ Depuy Synthes (2015 – 2016)
- ♦ Pharmacom Group, Inc (2016)

MEMBERSHIPS & COMMITTEES

National

- ♦ American Academy of Orthopaedic Surgeons (AAOS)
 - ♦ Healthcare Systems Committee Liaison from BOS (2017 – Present)
 - ♦ Diversity Advisory Board (DAB) Member (2012 – Present)
 - ♦ Council on Advocacy Liaison from DAB (2014 – Present)
 - ♦ Leadership Fellows Program (2015 – 2016)
 - ♦ Public Relations National Spokesperson – “Fall Prevention” Campaign (2014)
 - ♦ Active Fellow (2013 – Present)
 - ♦ Candidate Member (2009 – 2012)
 - ♦ National Resident Newsletter Co-Editor (2009 - 2011)
 - ♦ Candidate, Resident, and Fellow Committee Member (2009 - 2011)
- ♦ American Orthopaedic Association (AOA)
 - ♦ Leadership / Fellowship Committee (2016 – Present)
 - ♦ AOA / JOA Fellowship Taskforce (2016 – Present)
 - ♦ AOA / ABC Travelling Fellowship – First Alternate (2017)
 - ♦ Active Member (2014 – Present)
 - ♦ AOA / JOA Travelling Fellow - Japan (2014)
 - ♦ Emerging Leaders Program (2010 – 2014)
- ♦ Orthopaedic Trauma Association (OTA)
 - ♦ AAOS Board of Specialty Societies (BOS) OTA Representative (2017 – Present)
 - ♦ Education Committee Member (2017 – Present)
 - ♦ Opioid Taskforce Member (2017 – Present)
 - ♦ Website Re-Design Project Team (2017 – Present)
 - ♦ *Fracture Lines* National Newsletter Editor-in-Chief (2012 – 2017)
 - ♦ AAOS Board of Specialty Societies Communications Committee
OTA Representative (2016 – 2017)
 - ♦ Active Member (2013 – Present)
 - ♦ Public Relations Committee Member (2011 – 2017)
 - ♦ Member Services Sub-Committee Chair (2011 – 2017)

- ♦ Newsletter Sub-Committee Chair (2011 – 2017)
- ♦ Website Development Sub-Committee Member (2011 – 2017)
- ♦ Social Media Sub-Committee Member (2011 – 2017)
- ♦ Candidate Member (2009 – 2012)
- ♦ American Board of Orthopaedic Surgery (ABOS) Diplomate (2011 – Present)
- ♦ American College of Surgeons (ACS)
 - ♦ Committee on Trauma (2017 – Present)
 - ♦ Active Fellow (FACS) (2014 – Present)
 - ♦ Associate Fellow (2013 – 2014)
- ♦ Foundation for Orthopaedic Trauma (FOT) Member (2010 – Present)
 - ♦ Research Committee (2014 – Present)
 - ♦ Chair, IT Committee (2014 – 2016)
 - ♦ Nominations Committee (2013 – 2015)
 - ♦ Membership Committee (2013 – 2015)
- ♦ Surgical Implant Generation Network (SIGN) Member (2011 – Present)
- ♦ Orthopaedic Political Action Committee (PAC) Member (2009 – Present)
- ♦ American Medical Association (AMA) Member (2010 – Present)
- ♦ AO Trauma North America Member/Faculty (2012 – Present)
- ♦ Major Extremity Trauma Research Consortium (METRC)
 - ♦ Cognitive Based Physical Therapy Study Protocol Committee (2017 – Present)
 - ♦ Vancomycin Powder Study Protocol Committee (2010 – Present)
- ♦ Association of Physicians of Pakistani Descent of North America (APPNA) Member (2013 – Present)
- ♦ Editorial Board
 - ♦ Journal of Orthopaedic Trauma (JOT) (2010 – Present)
 - ♦ Journal of the AAOS (JAAOS) (2009 – Present)
 - ♦ Journal of Bone and Joint Surgery (JBJS) (2011 – Present)
 - ♦ Southern Medical Journal (SMJ) (2013 – Present)
 - ♦ Techniques in Orthopaedics (TIO) (2015 – Present)
 - ♦ Impact – USF Health Intramural Journal (2016 – Present)

- ♦ *OsteoSynthesis*, JOT Online Discussion Forum
 - ♦ Editor-in-Chief (2014 – Present)
- ♦ OTA International (OTAI)
 - ♦ Digital Editor (2017 – Present)

Regional

- ♦ South Eastern Fracture Consortium (SEFC) Member (2010 – Present)
- ♦ Southern Medical Association (SMA) Member (2013 – Present)
- ♦ Florida Medical Association (2013 – Present)
- ♦ Florida Orthopaedic Society (FOS) Member (2015 – Present)
- ♦ Tennessee Orthopaedic Society (TOS) Member (2011 – 2015)
 - ♦ Board of Directors (2013 – 2015)
 - ♦ Residency Program Coordinator (2013 – 2015)

Local

- ♦ University of South Florida
 - ♦ Director of Orthopaedic Residency Program (2016 – Present)
 - ♦ Graduate Medical Education Committee (2016 – Present)
 - ♦ Orthopaedic Residency Clinical Competency Committee (2015 – Present)
 - ♦ Orthopaedic Residency Program Evaluation Committee (2015 – Present)
 - ♦ Medical Student Orthopaedic Clerkship Director (2016 – Present)
 - ♦ Medical Student Orthopaedic Track Director (2016 – Present)
 - ♦ Medical Student Orthopaedic Specialty Advisor (2016 – Present)
 - ♦ Associate Director of Orthopaedic Residency Program (2015)
- ♦ Tampa General Hospital
 - ♦ Trauma Program Operational Performance Committee (2015 – Present)
 - ♦ Pediatric Trauma Program Operational Performance Committee (2015 – Present)
 - ♦ Best Practices and Innovation Committee (2017 – Present)
 - ♦ Geriatric Fracture Program Committee (2015 – Present)
- ♦ Florida Orthopaedic Institute
 - ♦ Disclosure and Consents Taskforce (2016 – Present)

- ♦ Vanderbilt Orthopaedic Institute
 - ♦ Medical Director of Finance (2014 – 2015)
 - ♦ Clinical Competency Committee (2013 – 2014)
 - ♦ Residency Education Committee (2012 – 2014)
 - ♦ Residency Education Coordinator For Trauma (2012 – 2015)
 - ♦ Trauma Division Financial Review Team Leader (2011 – 2015)
 - ♦ EMR Progress Note and Handover Tool Team Leader (2011 – 2012)
 - ♦ Health Policy Institute (2010 – 2015)
- ♦ Vanderbilt University Medical Center
 - ♦ Transfusion Committee Member (2010 – 2015)
 - ♦ Trauma Patient Care Center Advisory Panel (2014 – 2015)

Residency / Fellowship

- ♦ AAOS
 - ♦ National Resident Newsletter Co-Editor (2007 – 2009)
 - ♦ Candidate, Resident, and Fellow Committee Member (2007 – 2009)
 - ♦ Resident Liaison Program Representative (2007 – 2008)
- ♦ Orthopaedic PAC Member (2007 – 2009)
- ♦ OTA Candidate Member (2007 – 2009)

HONORS & AWARDS

Professional

- ♦ AOA / ABC Travelling Fellowship – First Alternate (2017)
- ♦ AAOS Achievement Award (2017)
- ♦ OTA Recognition Award – Newsletter Editor 2012 - 2017 (2017)
- ♦ FOS Champion Member Abstract (2017)
- ♦ FOI/USF Orthopaedic Research Day – 3rd Place and Honorable Mention (2017)
- ♦ OTA Annual Meeting Best Poster (2016)
- ♦ AAOS Leadership Fellows Program (2015 – 2016)
- ♦ AAOS Achievement Award (2016)
- ♦ AAOS Annual Meeting “Game Changer” Paper (2016)
- ♦ OTA Annual Meeting Best Poster (2015)
- ♦ AOA/JOA Travelling Fellowship – Japan (2014)
- ♦ OTA Sponsored JOT Supplement Grant Award (2014)
- ♦ WOA Annual Meeting Poster Award – 2nd Place (2014)
- ♦ TOS Annual Meeting Poster Award (2014)
- ♦ TOS Annual Meeting Podium Award (2014)
- ♦ OTA Annual Meeting Highlight Paper (2013)
- ♦ Kathy Cramer Award – Best Vanderbilt Chief Resident Research Paper – Mentor (2013)
- ♦ Vanderbilt Orthopaedic Institute Kenneth D. Johnson Resident Teaching Award (2012)
- ♦ Vanderbilt Research Forum Best Clinical Science Poster Award (2012)
- ♦ AOA Annual Meeting Special Emphasis Poster (2012)
- ♦ AOA Annual Meeting Special Emphasis Poster (2012)
- ♦ AAOS Achievement Award (2011)
- ♦ AOA Annual Meeting Special Emphasis Poster (2010)

Medical School

- ♦ Alpha Omega Alpha (Inducted as Junior; Vice President, 2002 - 2003)
- ♦ Merck Award (Top Graduating Student - 2003)
- ♦ International Health Program (Rotation in Peru - 04/2003)

- ♦ W. Warren Point Award (4th year Student with Most Empathy & Compassion - 2003)
- ♦ McGraw – Hill and Appleton & Lange Award (Top First Year Student - 2000)
- ♦ Medical Endowment Scholarship
- ♦ Obstetrics/Gynecology Award of Excellence (2003)
- ♦ Van Liere Research Program – Second Place (2001)
- ♦ Academic Council (3 Years)
- ♦ Student Leadership Committee

Undergraduate

- ♦ Summa Cum Laude (1999)
- ♦ WVU Foundation Outstanding Senior (Top 1% of Class)
- ♦ Phi Beta Kappa National Honor Society
- ♦ Phi Kappa Phi National Honor Society
- ♦ Mortar Board National Senior Honor Society
- ♦ Golden Key National Honor Society
- ♦ National Dean's List
- ♦ Chimes Junior Honorary
- ♦ Alpha Epsilon Delta National Premedical Honor Society
- ♦ Phi Sigma Pi National Honor Fraternity (Brother of the Year - 1997)
- ♦ Phi Kappa Phi Outstanding Freshman (Top 1% of Class)
- ♦ Presidential Scholarship
- ♦ Honors Program
- ♦ Intramural Athletics (Basketball Team Captain)

High School

- ♦ Class Valedictorian (1995)
- ♦ Governor's Honors Academy (1994)
- ♦ National Honor Society
- ♦ Mountaineer Boys' State (1994)
- ♦ Tennis Team Captain
- ♦ Academic Team Captain

PUBLICATIONS

Articles in Refereed Journals

1. **Mir HR**, Russell TA. Minimally Invasive Nail Insertion Technique for Subtrochanteric Femur Fractures: How and Why. *Techniques in Orthopaedics*. Surgical Reduction and Stabilization of Subtrochanteric Femur Fractures. 23(2):118-125, June 2008.
2. Russell TA, **Mir HR**, Stoneback J, Cohen J, Downs B. Avoidance of Malreduction of Proximal Femoral Shaft Fractures with the Use of a Minimally Invasive Nail Insertion Technique (MINIT). *J Orthop Trauma*. 2008 Jul;22(6):391-8.
3. **Mir HR**, Crenshaw WD. Squeaking Ceramic Hips – 2 Case Reports. *Current Orthopaedic Practice*. 2008 Nov; 19(6):682-684.
4. **Mir HR**, Passirini S, Russell TA. The Use of Blocking Screws in Retrograde Intramedullary Nailing of Distal Femoral Shaft Fractures. *Current Orthopaedic Practice*. 2010 Jul/Aug; 21(4): 415-416.
5. **Mir HR**, Edwards PK, Sanders RW, Haidukewych GJ. Results of Cephalomedullary Nail Fixation for Displaced Intracapsular Femoral Neck Fractures. *J Orthop Trauma*. 2011 Dec;25(12):714-20.
6. **Mir HR**, Meinberg EG. When Things Don't Work Out: Finding Another Job. *J Orthop Trauma*. 2011 Dec;25 Suppl 3:S131-4.
7. **Mir HR**, Cannada LK, Murray JN, Black KP, Wolf JM. Orthopaedic Resident and Program Director Opinions of Resident Duty Hours - A National Survey. *J Bone Joint Surg Am*. 2011 Dec 7;93(23):e1421-9.
8. Sethi MK, Obrebsky WT, Natividad H, **Mir HR**, Jahangir AA. The Prevalence and Costs of Defensive Medicine among Orthopaedic Surgeons: A National Survey Study. *Am J Orthop*. 2012 Feb; 41(2):69-73.
9. **Mir HR**, Jahangir AA, Sethi MK, Obrebsky WT. Grand Rounds from Vanderbilt University – Proximal Humerus Fracture. *J Orthop Trauma*. 2012 Apr;26(4):e29-32.
10. **Mir HR**, Jahangir AA, Sethi MK, Obrebsky WT. Grand Rounds from Vanderbilt University – Distal Femoral Metaphyseal Fracture. *J Orthop Trauma*. 2012 Jun;26(6):e60-2.
11. **Mir HR**, Marinescu R, Janda H, Russell TA. Biomechanical Effects of the Nail Entry Zone and Anterior Cortical Bone Loss on the Proximal Tibia. *J Orthop Trauma*. 2013 Jan;27(1):34-41.
12. **Mir HR**. Author's Reply to Dr. Keating's Invited Commentary. Biomechanical Effects of the Nail Entry Zone and Anterior Cortical Bone Loss on the Proximal Tibia. *J Orthop Trauma*. 2013 Jan;27(1):42.
13. Sagi HC, Dziadosz DR, **Mir HR**, Virani N, Olson CM. Obesity, leukocytosis, embolization, and injury severity increase the risk for deep postoperative wound infection after pelvic and acetabular surgery. *J Orthop Trauma*. 2013 Jan;27(1):6-10.
14. **Mir HR**, Edwards PK, Sanders RW, Haidukewych GJ. Iatrogenic Displacement of Minimally/Nondisplaced Intertrochanteric Fractures during Intramedullary Fixation: Incidence, Potential Etiologies, and Clinical Impact. *Current Orthopaedic Practice*. 2013 Jan/Feb; 24(1): 58-63.
15. Bible JE, Kadakia RJ, Choxi AA, Bauer JM, **Mir HR**. Analysis of Retrograde Femoral Nailing through Traumatic Knee Arthrotomies. *J Orthop Trauma*. 2013 Apr;27(4):217-20.

16. Bible JE, Kadakia RJ, Wegner A, Richards JE, **Mir HR**. One-Year Mortality after Isolated Pelvic Fractures with Posterior Ring Involvement in Elderly Patients. *Orthopedics*. 2013 Jun;36(6):760-4.
17. Issar NM, Kadakia RJ, Tsahakis JM, Yoneda ZT, Sethi MK, **Mir HR**, Archer K, Obremskey WT, Jahangir AA. The Link between Texting and Motor Vehicle Collision Frequency in the Orthopaedic Trauma Population. *J Inj Violence Res*. 2013 Jul;5(2):95-100.
18. Bible JE, Choxi AA, Dhulipala S, Evans JM, **Mir HR**. Quantification of Anterior Cortical Bone Removal and Intermeniscal Damage at the Tibial Nail Entry Zone using Parapatellar and Retropatellar Approaches. *J Orthop Trauma*. 2013 Aug;27(8):437-41.
19. Kadakia RJ, Tsahakis JM, Issar NM, Archer KR, Jahangir AA, Sethi MK, Obremskey WT, **Mir HR**. Health Literacy in an Orthopaedic Trauma Patient Population – A Cross Sectional Survey of Patient Comprehension. *J Orthop Trauma*. 2013 Aug;27(8):467-71.
20. Lee D, Stinner DC, **Mir HR**. Quadriceps and Patellar Tendon Ruptures. *J Knee Surg*. 2013 Oct;26(5):301-8.
21. Sathikumar V, Jahangir AA, **Mir HR**, Obremskey WT, Lee Y, Apfeld JC, Sethi MK. The Prevalence and Costs of Defensive Medicine among Orthopaedic Trauma Surgeons: A National Survey Study. *J Orthop Trauma*. 2013 Oct;27(10):592-7.
22. Bible JE, McClure JM, **Mir HR**. Analysis of One vs. Two-Incision Fasciotomy for Tibial Fractures with Acute Compartment Syndrome. *J Orthop Trauma*. 2013 Nov;27(11):607-11.
23. Bible JE, Choxi AA, Dhulipala S, Evans JM, **Mir HR**. Tibia-Based Referencing for “Standard” Proximal Tibial Radiographs During Intramedullary Nailing. *Am J Orthop (Belle Mead NJ)*. 2013 Nov;42(11):E95-8.
24. Sathiyakumar V, Sethi MK, Obremskey WT, **Mir HR**, Jahangir AA. Patterns of Costs and Spending Among Orthopaedic Surgeons Across the United States: A National Survey. *Am J Orthop (Belle Mead NJ)*. 2014 Jan;43(1):E7-E13.
25. Stinner DC, **Mir HR**. Techniques for Intramedullary Nailing of Proximal Tibia Fractures. *Orthop Clin North Am*. 2014 Jan;45(1):33-45.
26. Bauer JM, Bible JE, **Mir HR**. Is it Safe to Place a Tibial Nail through a Traumatic Knee Arthrotomy? *Am J Orthop (Belle Mead NJ)*. 2014 Mar;43(3):118-21.
27. Bible JE, Wegner A, McClure JM, Kadakia RJ, Richards JE, Bauer JM, **Mir HR**. One-Year Mortality after Acetabular Fractures in Elderly Patients Presenting to a Level-One Trauma Center. *J Orthop Trauma*. 2014 Mar;28(3):154-9.
28. Richards JE, Hutchinson J, Mukherjee K, Jahangir AA, **Mir HR**, Evans JM, Perdue AM, Obremskey WT, Sethi MK, May AK. Stress Hyperglycemia and Surgical Site Infection in Stable Non-Diabetic Adults with Orthopaedic Injuries. *J Trauma Acute Care Surg*. 2014 Apr;76(4):1070-5.
29. Tsahakis JM, Issar NM, Kadakia RJ, Archer KR, Barzyk T, **Mir HR**. Health Literacy in an Orthopaedic Trauma Patient Population – Improving Patient Comprehension with Informational Intervention. *J Orthop Trauma*. 2014 Apr;28(4):e75-9.
30. Bible JE, Sivasubramaniam P, Jahangir AA, Evans JM, **Mir HR**. High-Energy Trans-Syndesmotic Ankle Fracture Dislocations – The “Logsplinter” Injury. *J Orthop Trauma*. 2014 Apr;28(4):200-4.
31. Collinge, CN, **Mir HR**, Reddix R. Fracture Morphology of High Shear Angle “Vertical” Femoral Neck Fractures in Young Adults. *J Orthop Trauma*. 2014 May;28(5):270-5.

32. Corrigan CM, **Mir HR**. Posttraumatic Heterotopic Ossification around the Hip. *Current Orthopaedic Practice*. 2014 May/June; 25(3):203-207.
33. Bible JE, Choxi AA, Kadakia RJ, Evans JM, **Mir HR**. Quantification of Bony Pelvic Exposure through the Modified Stoppa Approach. *J Orthop Trauma*. 2014 Jun;28(6):320-3
34. Bible JE, Spangler DM, **Mir HR**. An Orthopaedic Primer for Workers Compensation. *Spine J*. 2014 Jul 1;14(7):1325-1331.
35. Morris BJ, Zumsteg JW, Cash B, Archer KR, **Mir HR**. Predictors of Narcotic Use and Doctor Shopping in the Orthopaedic Trauma Population. *J Bone Joint Surg Am*. 2014 Aug 6;96(15):1257-1262.
36. Lebus GF, Krueger C, Stinner DS, **Mir HR**. Hunting-stand Related Injuries in Orthopaedics. *South Med J*. 2014 Sep;107(9):574-7.
37. Kroonen LT, Tyler W, **Mir HR**, Zlotolow D. August 9, 1945, 11:02am. *J Hand Surg*. Volume 39, Issue 9, Pages 1830–1831, September 2014.
38. Lee D, **Mir HR**. International Systems of Health and Trauma Care. *J Orthop Trauma*. 2014 Oct;28 Suppl 10:S8-S10.
39. Greenberg S, **Mir HR**, Jahangir AA, Mehta S, Sethi MK. Impacting Policy Change for Orthopaedic Trauma. *J Orthop Trauma*. 2014 Oct;28 Suppl 10:S14-6.
40. Avilucea FR, Greenberg SE, Grantham WJ, Sathiyakumar V, Thakore R, Nwosu S, Swygert KA, Obremskey WT, **Mir HR**, Sethi MK. The Costs of Operative Complications for Ankle Fractures: A Case Control Study. *Adv Orthop*. 2014;2014:709241. Epub 2014 Nov 27.
41. Bible JE, **Mir HR**. Well-Leg Positioning on a Fracture Table using a Pillow Sling. *Am J Orthop (Belle Mead NJ)*. 2014 Dec;43(12):571-3.
42. Tyler W, **Mir HR**, Zlotolow D, Kroonen LT. 2014 AOA-JOA Travelling Fellowship – Banzai & Beyond. *J Bone Joint Surg Am*. 2015 Feb 18;97(4):e22.
43. Ihejirika RC, Thakore R, Jahangir AA, Obremskey WT, **Mir HR**, Sethi MK. Healthcare Reimbursement Models and Orthopaedic Trauma: Will There Be Change in Patient Management? *J Orthop Trauma*. 2015 Feb;29(2):e79-84.
44. Collinge CA, **Mir HR**, McAndrew C. Displaced Femoral Neck Fractures in Young Adults: Accessory Fixation. *Techniques in Orthopaedics*. 2015 March; 30(1):16-21.
45. **Mir HR**, Collinge CN. Application of a medial buttress plate may prevent many treatment failures seen after fixation of vertical femoral neck fractures in young adults. *Med Hypotheses*. 2015 May;84(5):429-33.
46. Molina CS, Callan AK, Burgos EJ, **Mir HR**. On-Call Communication in Orthopaedic Trauma: “A Picture is Worth a Thousand Words”. *J Orthop Trauma*. 2015 May;29(5):e194-7.
47. Morris BJ, **Mir HR**. The Opioid Epidemic – Impact on Orthopaedic Surgery. *J Am Acad Orthop Surg*. 2015 May;23(5):267-71.
48. Yoon RS, Bible JE, Marcus MS, Donegan D, Bergmann K, Siebler J, **Mir HR**, Liporace FA. Outcomes Following Combined Intramedullary Nail and Plate Combinations for Complex Tibial Fractures: A Multi-center Study. *Injury*. 2015 Jun;46(6):1097-101.

49. Stinner DC, **Mir HR**. Use of the Lateral Fluoroscopic View to Identify a Safe Starting Point and Trajectory Lines when Placing Percutaneous Iliosacral Screws. *J Surg Orthop Adv*. 2015 Summer;24(2):147-50.
50. Avilucea, FR, **Mir HR**. Displaced Closed Subtrochanteric Hip Fractures With Nails. *Techniques in Orthopaedics*. 2015 June; 30(2):104-110.
51. Atkinson CT, **Mir HR**. Development of an Orthopaedic Handover System to Improve Communication for Inpatient Care. *Current Orthopaedic Practice*. Epub 2015 Jul 16.
52. Levin P, **Mir HR**. The Opioid Epidemic – Impact on Orthopaedic Surgery. Invited Commentary. *J Am Acad Orthop Surg*. 2015 Sep;23(9):e36-7.
53. Sathiyakumar V, Greenberg SE, Jahangir AA, **Mir HR**, Obrebskey WT, Sethi MK. Impact of type of surgery on deep venous thrombi and pulmonary emboli: a look at twenty seven thousand hip fracture patients. *Int Orthop*. 2015 Oct;39(10):2017-22.
54. Morris BJ, Richards JE, Guillamondegui OD, Sweeney KR, **Mir HR**, Obrebskey WT, Kregor PJ. Obesity Increases Early Complications Following High-Energy Pelvic and Acetabular Fractures Treated both Operatively and Nonoperatively. *Orthopedics*. 2015 Oct 1;38(10):e881-7.
55. Sethi MK, **Mir HR**. Misclassification of Pelvic Ring Injuries in the National Trauma Data Bank – Invited Commentary. *J Orthop Trauma*. 2015 Oct;29(10):462-3.
56. Singh K, Bible JE, **Mir HR**. Single and Dual-Incision Fasciotomy of the Lower Leg. *JBJS Essent Surg Tech*. 2015 Nov 11; 5 (4): e25.
57. Bible JE, **Mir HR**. External Fixation – Principles and Application. *J Am Acad Orthop Surg*. 2015 Nov;23(11):683-90.
58. **Mir HR**. Getting Started in Orthopaedic Trauma Research. *J Orthop Trauma*. 2015 Nov;29 Suppl 11:S17-20.
59. Devers BN, Lebus GF, **Mir HR**. Incidence and Functional Outcomes Following Malunion of Non-operative Humeral Shaft Fractures. *Am J Orthop (Belle Mead NJ)*. 2015 Nov;44(11):E434-7.
60. Singh K, Bauer JM, LaChaud GY, Bible JE, **Mir HR**. Surgical Site Infection in High-Energy Peri-articular Tibia Fractures with Intra-Wound Vancomycin Powder: A Retrospective Pilot Study. *J Orthop Traumatol*. 2015 Dec;16(4):287-91.
61. Singh K, Sivasubramaniam P, Ghuman SA, **Mir HR**. The Dilemma of the Racist Patient. *Am J Orthop (Belle Mead NJ)*. 2015 Dec;44(12):E477-9.
62. Perdue AM, Greenberg SE, Sathiyakumar V, Thakore R, **Mir HR**, Obrebskey WT, Sethi MK. Staged Columnar Fixation of Bicondylar Tibial Plateaus: A Cheaper Alternative to External Fixation. *J Surg Orthop Adv*. 2016 Spring;25(1):13-7.
63. Sathiyakumar V, Avilucea FR, Whiting PS, Jahangir AA, **Mir HR**, Obrebskey WT, Sethi MK. Risk Factors for Adverse Cardiac Events in Hip Fracture Patients: an analysis of NSQIP data. *Int Orthop*. 2016 Mar;40(3):439-45.
64. Sielatycki A, Sawyer J, **Mir HR**. A Supply and Demand Analysis of the Orthopaedic Trauma Workforce in the United States. *J Orthop Trauma*. 2016 May;30(5):278-83.

65. **Mir HR**, Boulton C, Russell GV, Archdeacon MT. Lower Extremity Fracture Reduction – Tips, Tricks, and Techniques so that you Leave the Operating Room Satisfied. *Instr Course Lect*. 2016;65:25-40.
66. Avilucea FR, Whiting PS, **Mir HR**. Posterior Fixation in APC-2 Pelvic Ring Injuries Decreases the Rates of Anterior Plate Failure and Malunion. *J Bone Joint Surg Am*. 2016 Jun 1;98(11):944-51.
67. Beebe MJ, Bauer JM, **Mir HR**. Treatment of Hip Dislocations and Associated Injuries: Current State of Care. *Orthop Clin North Am*. 2016 Jul;47(3):527-49.
68. Major Extremity Trauma Research Consortium (METRC). Building a Clinical Research Network in Trauma Orthopaedics: The Major Extremity Trauma Research Consortium (METRC). *J Orthop Trauma*. 2016 Jul;30(7):353-61.
69. Dodd A, Lakomkin N, Attum B, Bulka C, Karhade AV, Douleh DG, **Mir HR**, Jahangir AA, Obrebsky WT, Sethi MK. Predictors of Adverse Events for Ankle Fractures: An Analysis of 6800 Patients. *J Foot Ankle Surg*. 2016 Jul-Aug;55(4):762-6.
70. Kappa SF, Green EA, Miller NL, Herrell SD, Mitchell CR, **Mir HR**, Resnick MJ. Narcotic Use and Postoperative Doctor Shopping Among Patients with Nephrolithiasis Requiring Operative Intervention: Implications for Patient Safety. *J Urol*. 2016 Sep;196(3):763-8.
71. Avilucea FR, Whiting PW, Triantofolou K, Perez EA, **Mir HR**. Suprapatellar Intramedullary Nail Technique Lowers Rate of Malalignment of Distal Tibia Fractures. *J Orthop Trauma*. 2016 Oct;30(10):557-60.
72. Dodd AC, Bulka C, Jahangir A, **Mir HR**, Obrebsky WT, Sethi MK. Predictors of 30-day mortality following hip/pelvis fractures. *Orthop Traumatol Surg Res*. 2016 Oct;102(6):707-10.
73. Scolaro JA, Donegan DJ, **Mir HR**. Introduction. *J Orthop Trauma*. 2016 Nov;30 Suppl 4:S1.
74. Morris BJ, **Mir HR**. The Opioid Epidemic and Orthopaedic Outcomes – Implications and Strategies. *Techniques in Orthopaedics*. 2016 Dec; 31(4):215-217.
75. Sagi HC, Donohue D, Cooper S, Barei DP, Siebler J, Archdeacon MT, Sciadini M, Romeo M, Bergin PF, Higgins T, **Mir H**; Center for Bone and Joint Infection. Institutional and Seasonal Variations in the Incidence and Causative Organisms for Posttraumatic Infection following Open Fractures. *J Orthop Trauma*. 2017 Feb;31(2):78-84.
76. Auston D, Serrano R, Sellers T, Beebe M, Quade J, Watson D, Kistler B, **Mir HR**. Percutaneous or Open Reduction of Closed Tibial Shaft Fractures During Intramedullary Nailing Does Not Increase Wound Complications, Infection or Nonunion Rates. *J Orthop Trauma*. 2017 Apr;31(4):215-219.
77. Whiting PW, Auston D, Avilucea FR, Ross D, Archdeacon MT, Sciadini M, Collinge CA, Sagi HC, **Mir HR**. Negative Stress Examination Under Anesthesia Reliably Predicts Pelvic Ring Union Without Displacement. *J Orthop Trauma*. 2017 Apr;31(4):189-193.
78. Kuhn KM, Cannada LK, Watson JT, Ali A, Boudreau JA, **Mir HR**, Bauer JM, Mullis B, Hymes R, Genova R, Tucker M, Schlatter D. How High Can You Go?: Retrograde Nailing of Proximal Femur Fractures. *J Surg Orthop Adv*. 2017 Spring;26(1):33-39.
79. Castillo RC, Raja SN, Frey KP, Vallier HA, Tornetta P 3rd, Jaebon T, Goff BJ, Gottschalk A, Scharfstein DO, O'Toole RV; **METRC**. Improving Pain Management and Long-Term Outcomes Following High-Energy Orthopaedic Trauma (Pain Study). *J Orthop Trauma*. 2017 Apr;31 Suppl 1:S71-S77.

80. Bosse MJ, Morshed S, Reider L, Ertl W, Toledano J, Firoozabadi R, Seymour RB, Carroll E, Scharfstein DO, Steversen B, MacKenzie EJ; **METRC**. Transtibial Amputation Outcomes Study (TAOS): Comparing Transtibial Amputation With and Without a Tibiofibular Synostosis (Ertl) Procedure. *J Orthop Trauma*. 2017 Apr;31 Suppl 1:S63-S69.
81. Bosse MJ, Teague D, Reider L, Gary JL, Morshed S, Seymour RB, Toledano J, Cannada LK, Steversen B, Scharfstein DO, Luly J, MacKenzie EJ; **METRC**. Outcomes After Severe Distal Tibia, Ankle, and/or Foot Trauma: Comparison of Limb Salvage Versus Transtibial Amputation (OUTLET). *J Orthop Trauma*. 2017 Apr;31 Suppl 1:S48-S55.
82. Schmidt AH, Bosse MJ, Frey KP, O'Toole RV, Stinner DJ, Scharfstein DO, Zipunnikov V, MacKenzie EJ; **METRC**. Predicting Acute Compartment Syndrome (PACS): The Role of Continuous Monitoring. *J Orthop Trauma*. 2017 Apr;31 Suppl 1:S40-S47.
83. Obrebskey WT, Schmidt AH, O'Toole RV, DeSanto J, Morshed S, Tornetta P 3rd, Murray CK, Jones CB, Scharfstein DO, Taylor TJ, Carlini AR, Castillo RC; **METRC**. A Prospective Randomized Trial to Assess Oral Versus Intravenous Antibiotics for the Treatment of Postoperative Wound Infection After Extremity Fractures (POVIV Study). *J Orthop Trauma*. 2017 Apr;31 Suppl 1:S32-S38.
84. O'Toole RV, Joshi M, Carlini AR, Sikorski RA, Dagal A, Murray CK, Weaver MJ, Paryavi E, Stall AC, Scharfstein DO, Agel J, Zadnik M, Bosse MJ, Castillo RC; **METRC**. Supplemental Perioperative Oxygen to Reduce Surgical Site Infection After High-Energy Fracture Surgery (OXYGEN Study). *J Orthop Trauma*. 2017 Apr;31 Suppl 1:S25-S31.
85. O'Toole RV, Joshi M, Carlini AR, Murray CK, Allen LE, Scharfstein DO, Gary JL, Bosse MJ, Castillo RC; **METRC**. Local Antibiotic Therapy to Reduce Infection After Operative Treatment of Fractures at High Risk of Infection: A Multicenter, Randomized, Controlled Trial (VANCO Study). *J Orthop Trauma*. 2017 Apr;31 Suppl 1:S18-S24.
86. O'Toole RV, Gary JL, Reider L, Bosse MJ, Gordon WT, Hutson J, Quinnan SM, Castillo RC, Scharfstein DO, MacKenzie EJ; **METRC**. A Prospective Randomized Trial to Assess Fixation Strategies for Severe Open Tibia Fractures: Modern Ring External Fixators Versus Internal Fixation (FIXIT Study). *J Orthop Trauma*. 2017 Apr;31 Suppl 1:S10-S17.
87. Bosse MJ, Murray CK, Carlini AR, Firoozabadi R, Manson T, Scharfstein DO, Wenke JC, Zadnik M, Castillo RC; **METRC**. Assessment of Severe Extremity Wound Bioburden at the Time of Definitive Wound Closure or Coverage: Correlation With Subsequent Postclosure Deep Wound Infection (Bioburden Study). *J Orthop Trauma*. 2017 Apr;31 Suppl 1:S3-S9.
88. Lakomkin N, Sathiyakumar V, Wick B, Shen MS, Jahangir AA, **Mir H**, Obrebskey WT, Dodd AC, Sethi MK. Incidence and predictive risk factors of postoperative sepsis in orthopedic trauma patients. *J Orthop Traumatol*. 2017 Jun;18(2):151-158.
89. Whiting PW, Anderson DR, Galat DD, Lundy DW, Zirkle LG, **Mir HR**. The State of Pelvic and Acetabular Surgery in the Developing World – A Survey of SIGN Hospitals. *J Orthop Trauma*. 2017 Jul;31(7):e217-e223.
90. Cui S, Bauer JM, **Mir HR**, Cannada LK. Bilateral Tibial Shaft Fractures: A Multicenter Analysis. *Current Orthopaedic Practice*. 2017 Jul/Aug; 28(4):365-370.
91. Lebus GF, **Mir HR**, Bushnell B. Reverse Total Shoulder Arthroplasty for Complex Three- and Four-Part Proximal Humerus Fractures in Elderly Patients: A Review. *J Surg Orthop Adv*. 2017 Summer;26(2):75-80.

92. Whiting PS, Sathiyakumar V, Silverberg AJ, Mitchell PM, Thakore R, Obrebskey WT, **Mir HR**, Sethi MK, Perdue AM. Damage Control Plating in Open Tibial Shaft Fractures: A Cheaper and Equally Effective Alternative to Spanning External Fixation. *J Surg Orthop Adv*. 2017 Summer;26(2):86-93.
93. Serrano R, Borade A, **Mir HR**, Shah A, Watson D, Infante A, Frankle MA, Mighell MA, Sagi HC, Horwitz DS, Sanders RW. Anterior-Inferior Plating Results in Fewer Secondary Interventions Compared to Superior Plating for Acute Displaced Midshaft Clavicle Fractures. *J Orthop Trauma*. 2017 Sep;31(9):468-471.
94. Attum B, Douleh D, Whiting PS, White-Dzuro GA, Dodd AC, Shen MS, **Mir HR**, Obrebskey WT, Sethi MK. Outcomes of Distal Femur Nonunions Treated with a Combined Nail/Plate Construct and Autogenous Bone Grafting. *J Orthop Trauma*. 2017 Sep;31(9):e301-e304.
95. **Mir HR**. Reply re: Open Reduction and Medullary Nailing of Closed Tibial Shaft Fractures Is Not Benign. *J Orthop Trauma*. 2017 Oct;31(10):356-357.
96. Beebe M, Auston D, Quade J, Serano R, Shah A, Watson D, Sanders R, **Mir HR**. OTA Classification is Highly Predictive of Acute ACS Following Tibia Fracture: A Cohort of 2885 Fractures. *J Orthop Trauma*. 2017 Nov;31(11):600-605.
97. Serrano R, Blair JA, Watson DT, Infante AF Jr, Shah AR, **Mir HR**, Maxson BJ, Downes KW, Sanders RW. Cephalomedullary Nail Fixation of Intertrochanteric Femur Fractures: Are Two Proximal Screws Better Than One?. *J Orthop Trauma*. 2017 Nov;31(11):577-582.
98. Shen M, Cutrera NJ, Dodd AC, Wallace C, Avilucea FR, Melbourne C, Jahangir AA, **Mir HR**, Obrebskey WT, Sethi MK. The risk of deep venous thrombosis in total joint patients compared to orthopaedic trauma patients: Need for new prevention guidelines. *J Clinical Orthopaedics and Trauma*. 2017 Nov;8(2):S52-S56.
99. Cannada L, Hire J, Boyer P, Israel H, **Mir HR**, Halvorson J, Della Rocca G, Ming B, Mullis B, Deshpande C. Treatment and Outcomes of Patients with Ipsilateral Acetabular and Femur Fractures: A Multicenter Retrospective Analysis. *J Orthop Trauma*. 2017 Dec;31(12):650-656.

Book Chapters

1. **Mir HR**, Haidukewych GJ. Management of Intertrochanteric Femur Fractures. In "*Orthopaedic Traumatology: An Evidence Based Approach*." Sethi MK, Jahangir AA, Obremskey WT, Editors. New York, NY: Springer Publishing, 2012. 219 - 231.
2. **Mir HR**, Sanders RW. Management of Talus Fractures. In "*Orthopaedic Traumatology: An Evidence Based Approach*." Sethi MK, Jahangir AA, Obremskey WT, Editors. New York, NY: Springer Publishing, 2012. 373 - 385.
3. Kadakia, RJ, **Mir HR**. Government and State Agencies: Who Administrates Healthcare on Federal and State Levels? In "*An Introduction to Health Policy: A Primer for Physicians and Medical Students*." Sethi MK, Frist W, Editors. New York, NY: Springer Publishing, 2013. 209 – 220.
4. **Mir HR**, Rao R. Patient Centered Care: Communication Skills and Cultural Competence. In "Orthopaedic Knowledge Update (OKU) 11." Cannada LK, Editor. American Academy of Orthopaedic Surgery. Chicago, IL, 2014.
5. Bauer JM, **Mir HR**. Proximal Tibia Fracture. In "*Fractures of the Tibia: A Clinical Casebook*." Tejwani NM, Editor. Springer. New York, NY. 2015.
6. Collinge C, **Mir HR**. Femoral Neck Fractures in Young Adults. In "Orthopaedic Knowledge Update Trauma (OKU) 5." Ricci WM, Ostrum RF, Editors. American Academy of Orthopaedic Surgery. Chicago, IL. 2016.
7. Callan AK, **Mir HR**. Compartment Syndrome: Management and Techniques of Release. In "AAOS Let's Discuss: Common Orthopaedic Emergencies – Surviving the Night." Koval KJ, Tornetta P, Editors. American Academy of Orthopaedic Surgery. Chicago, IL. 2016.
8. Sanders RW, **Mir HR**. Calcaneal Fractures / Talar Neck Fractures. In "Master Techniques in Orthopaedic Surgery: Soft Tissue Surgery." Moran SL, Sems SA, Editors. Wolters Kluwer. Philadelphia, PA. 2016.
9. **Mir HR**, Haidukewych GJ. Management of Intertrochanteric Femur Fractures. In "*Orthopaedic Traumatology: An Evidence Based Approach 2nd Edition*." Sethi MK, Jahangir AA, Collinge CA, Obremskey WT, Editors. New York, NY: Springer Publishing. In Press - 2017.
10. **Mir HR**, Sanders RW. Management of Talus Fractures. In "*Orthopaedic Traumatology: An Evidence Based Approach 2nd Edition*." Sethi MK, Jahangir AA, Collinge CA, Obremskey WT, Editors. New York, NY: Springer Publishing. In Press - 2017.
11. Frank M, **Mir HR**. General Considerations & Preoperative Work-up. In "*Periprosthetic Fractures of the Hip and Knee: Surgical Techniques and Tips*." Liporace FA, Yoon RS, Editors. New York, NY: Springer Publishing. In Press - 2017.
12. Donohue D, **Mir HR**. Osteoporosis. In "*Synopsis of Orthopaedic Trauma Management*." Mullis BH, Gaski GE, Editors. New York, NY: Thieme Publishing. In Press - 2018.
13. Miller AM, **Mir HR**. Perioperative Pain Management of Fractures. In "*Rockwood and Wilkins' Fractures in Adults, 9th Edition*." Tornetta P, Ricci W, McQueen M, Court Brown C, McKee M, Editors. Philadelphia, PA: Wolters Kluwer Publishing. In Press - 2018.

Editorial

1. Sethi MK, Jahangir AA, **Mir HR**, eds. Health Policy and Orthopaedic Trauma: Looking Back In Order to Look Forward. J Orthop Trauma Supplement in November, 2014.
2. Scolaro JA, Donegan D, **Mir HR**, eds. Distal Tibia Fractures. J Orthop Trauma Supplement in November, 2016.

Articles in Refereed Journals (Other than Published)

1. Callan AK, Bauer JM, **Mir HR**. Over-Utilization of CT Angiogram in Extremity Trauma. *Submitted to OTAI.*
2. Quade J, Beebe M, Auston D, Shah A, Infante A, Maxson B, Sanders RW, Watson D, **Mir HR**. Symptomatic Ilio-sacral Screw Removal following Pelvic Trauma – Incidence and Clinical Impact. *Submitted to JOT.*
3. Barrick B, Auston D, Achor K, Watson D, Shah A, Maxson B, Infante A, Sanders R, **Mir HR**. Patella Fractures treated with Cannulated Lag Screws and FiberWire® have a High Union Rate and Low Rate of Implant Removal. *Submitted to JOT.*
4. Frank M, Francis J, Bender M, Richards M, Watson D, Shah A, Maxson B, Infante A, Sanders R, **Mir HR**. Multi-Dose Prophylactic IV Antibiotics Do Not Lower the Risk of Surgical Site Infection for Isolated Closed Ankle Fractures. *Submitted to OTAI.*
5. Donohue D, Decker S, Ford J, Foley R, Dunbar K, Kumm T, Achors K, **Mir HR**. Opportunistic CT Screening for Osteoporosis in Patients with Pelvic and Acetabular Trauma: Technique and Potential Clinical Impact. *Submitted to JOT.*
6. Mitchell PM, Collinge CA, O'Neill DE, Bible JE, **Mir HR**. Sarcopenia is Predictive of 1-year Mortality After Acetabular Fractures in Elderly Patients. *Submitted to JOT.*
7. Yoon R, Baldwin PC, Auston DA, **Mir HR**, Koval KJ. Autograft, Allograft, and Bone Graft Substitutes: Clinical Evidence and Indications for Use in the Setting of Orthopaedic Trauma Surgery. *Submitted to JOT.*
8. Avilucea FR, Archdeacon MT, Collinge CA, Sciadini M, Sagi HC **Mir HR**. Fixation Strategy using Sequential Intraoperative Examination Under Anesthesia for Unstable LC Pelvic Ring Injuries Reliably Predicts Union with Minimal Displacement. *Submitted to JBJS.*
9. Avilucea FR, **Mir HR**. State of the Art – Open Fractures. *Accepted by JOT.*
10. Auston D, Donohue D, Stoops K, Cox J, Diaz M, Santoni B, **Mir HR**. Long segment blocking screws increase stability of retrograde nail fixation in geriatric supracondylar femur fractures: eliminating the Bell-Clapper Effect. *Accepted by JOT.*
11. Christensen JT, Spence S, Watson D, Shah A, Maxson B, Infante A, Sanders R, **Mir HR**. Orthopaedic Watercraft Injuries: Characterization of Mechanisms, Fractures, and Complications in 216 Injuries. *Accepted by JOT.*
12. Franklin NA, Ali A, Hurley RK, **Mir HR**, Beltran MJ. The Outcomes of Early Surgical Intervention in Geriatric Proximal Femur Fractures among Patients Receiving Direct Oral Anticoagulation. *Accepted by JOT.*
13. Lund EA, **Mir HR**. Ipsilateral Ankle, Talus, and Calcaneus Fracture Dislocation: a Case Report. *Accepted by JOT.*

Articles in Non-Peer Reviewed Publications

1. **Mir HR**. Resident Highlights from the 2007 AAOS Annual Meeting. AAOS Resident Newsletter. 2007; 5:3.
2. **Mir HR**. AAOS Expands Membership to All Residents – “Get Involved NOW.” AAOS NOW. 2008 Jul; 2(7):55.
3. **Mir HR**. New “Resident” Slots Added to AAOS Committees. AAOS NOW. 2008 Jul; 2(7):55.
4. **Mir HR**. Relationship Between Industry and Orthopaedic Residents and Fellows. AAOS Resident Newsletter. 2010; 8:5.
5. **Mir HR**. Relationship Between Industry and Orthopaedic Residents and Fellows. OTA Newsletter. Spring 2010.
6. **Mir HR**. Changing Jobs Early in Your Orthopaedic Career. OTA Newsletter. Fall 2010.
7. **Mir HR**. Remember Your Mentors. OTA Newsletter. Winter 2010.
8. **Mir HR**. Supreme Court Ruling on FICA Taxes for Medical Residents. AAOS NOW. 2011 Apr; 5(4).
9. **Mir HR**. Trauma System Funding. OTA Newsletter. Spring 2011.
10. **Mir HR**. Who is Funding Your Trauma System? AAOS NOW. 2011 May; 5(5).
11. Sethi MK, **Mir HR**, Obrebskey WT, Jahangir AA. The Evolution of Medical Device Regulation in the United States. AAOS NOW. 2011 Jul; 2(7):55.
12. Sethi MK, Powell M, **Mir HR**, Obrebskey WT, Jahangir AA. The Class Act and The 2010 Patient Protection and Affordable Care Act. OTA Newsletter. Winter 2011.
13. **Mir HR**. From the Editor. OTA Newsletter. Winter 2012.
14. Issar NM, **Mir HR**, Obrebskey WT, Jahangir AA, Sethi MK. The Demise of the CLASS Act and its Implications for the Future of Long-Term Care. AAOS NOW. 2012 Feb.
15. **Mir HR**. From the Editor. OTA Newsletter. Spring 2012.
16. Miller DJ, Obrebskey WT, **Mir HR**, Jahangir AA, Sethi MK. ACOs: New Payment Models Present Opportunities, Risks. AAOS NOW. 2012 Jun.
17. **Mir HR**. From the Editor. OTA Newsletter. Fall 2012.
18. **Mir HR**. Remember Your Mentors. AOA Emerging Leaders Messenger. 2012 Nov.
19. Apfeld JC, Han A, Stern T, **Mir HR**, Obrebskey WT, Jahangir AA, Sethi MK. Implications of the Supreme Court Ruling on Medicaid. AAOS NOW. 2012 Sep.

20. Stinner DJ, Apfeld JC, Sethi MK, **Mir HR**, Jahangir AA. Does Medical Liability Reform Decrease Healthcare Costs? AAOS NOW. 2012 Dec.
21. **Mir HR**. From the Editor.
OTA Newsletter. Winter 2013.
22. **Mir HR**. Care of the Muslim-American Patient.
AAOS Culturally Competent Care Slides. 2013 Mar.
23. Stinner DJ, **Mir HR**, Obremskey WT, Sethi MK, Jahangir AA. How do we Improve the Value Proposition? AAOS NOW. 2013 Apr.
24. **Mir HR**. From the Editor.
OTA Newsletter. Spring 2013.
25. Apfeld JC, **Mir HR**, Jahangir AA, Sethi MK. Results from a Mini-Trial of the Medicaid Expansion in Oregon: Coverage, Utilization, and Costs. AAOS NOW. 2013 Jul.
26. Blumer A, Thakore RV, Jahangir AA, **Mir HR**, Sethi MK. What the ACA Delays Mean.
AAOS NOW. 2013 Sep.
27. **Mir HR**. From the Editor.
OTA Newsletter. Fall 2013.
28. **Mir HR**. From the Editor.
OTA Newsletter. Winter 2014.
29. **Mir HR**. From the Editor.
OTA Newsletter. Spring 2014.
30. **Mir HR**. From the Editor.
OTA Newsletter. Fall 2014.
31. **Mir HR**. From the Editor.
OTA Newsletter. Winter 2015.
32. **Mir HR**, Morris BJ. "Doctor Shopping" after Orthopaedic Trauma.
Physician's Weekly. 2015 Feb 9.
33. **Mir HR**. From the Editor.
OTA Newsletter. Spring 2015.
34. **Mir HR**. From the Editor.
OTA Newsletter. Fall 2015.
35. **Mir HR**. From the Editor.
OTA Newsletter. Winter 2016.
36. **Mir HR**. From the Editor.
OTA Newsletter. Spring 2016.
37. **Mir HR**. From the Editor.
OTA Newsletter. Fall 2016.
38. **Mir HR**. From the Editor.
OTA Newsletter. Winter 2017.

GRANTS FUNDED

1. Vanderbilt Institute for Clinical and Translational Research Scientific Review Committee.
Vanderbilt CTSA Grant UL1 RR024975 from NCRR/NIH.
05/30/2012 – 05/30/2013.
Project: *“Vancomycin Powder as Local Antibiotic Prophylaxis to Reduce Infection After Operative Treatment of High-Energy Lower Extremity Fractures”*
Amount: \$6,424
Investigators: Hassan R. Mir, MD (Principle Investigator)
Jesse M Bible, MD (Co-Investigator)
2. Vanderbilt Orthopaedic Institute Pilot Grant Program.
05/30/2012 – 05/30/2013.
Project: *“Vancomycin Powder as Local Antibiotic Prophylaxis to Reduce Infection After Operative Treatment of High-Energy Lower Extremity Fractures”*
Amount: \$10,000
Investigators: Hassan R. Mir, MD (Principle Investigator)
Jesse M Bible, MD (Co-Investigator)
3. COTA (Center for Orthopaedic Trauma) Fellowship Grant
08/01/2010 - 07/31/2011
Amount: \$50,000
Role: Mentor
4. COTA (Center for Orthopaedic Trauma) Fellowship Grant
08/01/2011 - 07/31/2012
Amount: \$75,000
Role: Mentor
5. OREF (Orthopaedic Research and Education Foundation) Fellowship Grant in Trauma
8/1/2011- 7/31/2012
Amount: \$52,600
Role: Mentor
6. COTA (Center for Orthopaedic Trauma) Fellowship Grant
08/01/2012 - 07/31/2013
Amount: \$75,000
Role: Mentor
7. OREF (Orthopaedic Research and Education Foundation) Fellowship Grant in Trauma
08/01/2012 - 07/31/2013
Amount: \$26,293
Role: Mentor
8. OMEGA Fellowship in Orthopaedic Trauma
08/01/2013 - 07/31/2014
Amount: \$25,000
Role: Mentor
9. COTA (Center for Orthopaedic Trauma Advancement) Fellowship Grant
08/01/2013 - 07/31/2014
Amount: \$75,000
Role: Mentor
10. OTA Sponsored JOT Supplement Grant Award
01/16/2014.
Project: *“Health Policy and Orthopaedic Trauma: Looking Back In Order to Look Forward”*
Amount: \$20,000
Investigators: Manish K. Sethi MD, A. Alex Jahangir MD, Hassan R. Mir MD

11. AOA / JOA Traveling Fellowship Grant Award
05/12/2014 - 05/31/2014
Amount: \$6,000
Role: Traveling Fellow
12. Smith & Nephew Research Support
2015 - Present.
Project: "A Prospective Randomized Trial of Intertrochanteric Femoral Fractures Treated with a Single Screw Versus a Two-integrated Screw Cephalo-medullary nail"
Amount: \$44,563
Investigators: Hassan R. Mir, MD (Principle Investigator)
Roy W. Sanders, MD (Co-Investigator)
13. AOTrauma (AOTNA) North America's Fellows Research Support
2015 - 2016.
Project: "The mechanical effect of blocking screws in geriatric supracondylar femur fractures treated with intramedullary fixation."
Amount: \$14,575
Investigators: Darryl Auston, MD, PhD (Principle Investigator)
Hassan R. Mir, MD (Co-Principle Investigator)
14. Foundation for Orthopaedic Trauma Research Support
2015 - 2016.
Project: "The mechanical effect of blocking screws in geriatric supracondylar femur fractures treated with intramedullary fixation."
Amount: \$4,416
Investigators: Darryl Auston, MD, PhD (Principle Investigator)
Hassan R. Mir, MD (Co-Principle Investigator)
15. OMEGA Fellowship in Orthopaedic Trauma
08/01/2016 - 07/31/2017
Amount: \$10,500
Role: Mentor
16. COTA (Center for Orthopaedic Trauma Advancement) Fellowship Grant
08/01/2016 - 07/31/2017
Amount: \$60,250
Role: Mentor
17. AOTrauma Fellowship in Orthopaedic Trauma
08/01/2016 - 07/31/2017
Amount: \$75,000
Role: Mentor
18. Smith & Nephew Fellowship in Orthopaedic Trauma
08/01/2016 - 07/31/2017
Amount: \$75,000
Role: Mentor
19. AOTrauma (AOTNA) North America's Fellows Research Support
2016 - 2017.
Project: "Distal femur construct comparison: A biomechanical comparison of lateral locking plate construct vs lateral locking plate with additional medial distal femur plate vs lateral locking plate with a retrograde femoral nail for intra-articular distal femur fractures (AO/OTA 33C)."
Amount: \$14,960
Investigators: Brett Barrick, MD (Principle Investigator)
Hassan R. Mir, MD (Co-Principle Investigator)

20. NuVasive Research Support
2016 - Present.
Project Humeral Compression/Distraction (CD) Device used for fixation of humeral fractures”
Amount: \$75,817
Investigators: Roy W. Sanders, MD (Principle Investigator)
Hassan R. Mir, MD (Co-Investigator)
21. COTA (Center for Orthopaedic Trauma Advancement) Fellowship Grant
08/01/2017 - 07/31/2018
Amount: \$60,250
Role: Mentor
22. AOTrauma Fellowship in Orthopaedic Trauma
08/01/2017 - 07/31/2018
Amount: \$75,000
Role: Mentor
23. Foundation for Orthopaedic Trauma Research Support
2017 - 2018.
Project: “Opioid Prescribing patterns and Relationship to Patient Satisfaction in Orthopaedic Trauma.”
Amount: \$12,556
Investigators: Adil Ahmed, MD (Principle Investigator)
Hassan R. Mir, MD (Co-Principle Investigator)
24. AOTrauma (AOTNA) North America’s Fellows Research Support
2017 - 2018.
Project: “Do interfragmentary lag screws have similar pullout strength, hold compression, maintain reduction and hold purchase as well as positional screws?”
Amount: \$15,000
Investigators: Erik Lund, MD (Principle Investigator)
Hassan R. Mir, MD (Co-Principle Investigator)
25. University of South Florida Health Technology Fee Grant.
2017 - 2020.
Project: Center for Advanced Anatomical Modeling and Surgical Planning
Amount: \$55,000
Investigators: Peter Simon, PhD (Principle Investigator)
Hassan R. Mir, MD (Co-Investigator)

SCIENTIFIC PRESENTATIONS

Podium

International

1. Morris BJ, Zumsteg JW, Cash B, Archer KR, **Mir HR**. Predictors of Narcotic Use and Doctor Shopping in the Orthopaedic Trauma Population.
May 2014. Presented at the JOA Meeting in Kobe, Japan.
2. Kadakia RJ, Tsahakis JM, Issar NM, Kay HF, Archer KR, Barzyk T, **Mir HR**. Impact of Patient Comprehension on Readmission Rates in an Orthopaedic Trauma Population.
Jun 2014. Presented at the AOA/COA Meeting in Montreal, Canada.
3. Avilucea FR, Archdeacon MT, Collinge CA, Sciadini M, Sagi HC, **Mir HR**. Fixation Strategy using Sequential Intraoperative Examination Under Anesthesia for Unstable LC Pelvic Ring Injuries Reliably Predicts Union with Minimal Displacement.
Nov 2017. Presented at the Centre for Blast Injury Studies at The Imperial College in London, England.

National

4. Russell TA, **Mir HR**, Stoneback J, Cohen J, Downs B. Factors Affecting Postoperative Alignment of Subtrochanteric Femur Fractures.
Oct 2006. Presented at the OTA Annual Meeting in Phoenix, AZ.
5. Sethi MK, Obrebsky WT, Natividad H, **Mir HR**, Jahangir AA. The Prevalence and Costs of Defensive Medicine Among Orthopaedic Surgeons: A National Survey Study.
Feb 2012. Presented at the AAOS Annual Meeting in San Francisco, CA.
6. Bible JE, Wegner A, Bauer JM, Kadakia RJ, Richards JE, **Mir HR**. One-Year Mortality after Isolated Pelvic Fractures with Posterior Ring Involvement in Elderly Patients.
Mar 2013. Presented at the AAOS Annual Meeting in Chicago, IL.
7. Bible JE, Kadakia RJ, Choxi A, Bauer JM, **Mir HR**. Is it Safe to Place a Retrograde Intramedullary Nail through a Traumatic Knee Arthrotomy?.
Mar 2013. Presented at the AAOS Annual Meeting in Chicago, IL.
8. Bible JE, Wegner A, Bauer JM, Kadakia RJ, Richards JE, **Mir HR**. One-Year Mortality after Isolated Acetabular Fractures in Elderly Patients.
Mar 2013. Presented at the AAOS Annual Meeting in Chicago, IL.
9. Bible JE, Choxi A, Kadakia R, Evans JM, **Mir HR**. Quantification of Bony Pelvic Exposure through the Modified Stopppa Approach.
Mar 2013. Presented at the AAOS Annual Meeting in Chicago, IL.
10. Sathikumar V, Jahangir AA, Obrebsky WT, **Mir HR**, Sethi MK. Patterns of Costs and Spending Among Orthopaedic Surgeons Across the United States: A National Survey.
Mar 2013. Presented at the AAOS Annual Meeting in Chicago, IL.
11. Kadakia RJ, Tsahakis JM, Issar NM, Kay HF, Archer KR, Barzyk T, **Mir HR**. Impact of Patient Comprehension on Readmission Rates in an Orthopaedic Trauma Population.
Oct 2013. Presented at the OTA Annual Meeting in Phoenix, AZ.

12. Richards JE, Hutchison J, Mukherjee K, Jahangir AA, **Mir HR**, Evans JM, Perdue AM, Obremskey WT, Sethi MK, May AK. Stress-Hyperglycemia Is Associated With Surgical Site Infection: A Prospective Observational Study Of Non-Diabetic, Non-Critically Ill Orthopaedic Trauma Patients.
Oct 2013. Presented at the OTA Annual Meeting in Phoenix, AZ.
Highlight paper.
13. Morris BJ, Zumsteg JW, Cash B, Archer KR, **Mir HR**. Predictors of Narcotic Use and Doctor Shopping in the Orthopaedic Trauma Population.
Oct 2013. Presented at the American College of Surgeons Meeting in Washington, DC.
14. Yoon RS, Bible JE, Marcus MS, Donegan D, Bergmann K, Siebler J, **Mir HR**, Liporace FA. Intramedullary Nail and Plate Combinations for Complex Tibial Fractures: Indications for Use Beyond the Proximal Tibia.
Mar 2014. Presented at the AAOS Meeting in New Orleans, LA.
15. Perdue AM, Apfeld JC, Sathiyakumar V, Lee YM, Stinner DJ, **Mir HR**, Polga DJ, Obremskey WT, Sethi MK. Staged Columnar Fixation of Bicondylar Tibial Plateau Fractures – A Cheaper Alternative to External Fixation.
Mar 2014. Presented at the AAOS Meeting in New Orleans, LA.
16. Molina C, Sivasubramaniam P, Fras A, Evans JM, **Mir HR**. Early Treatment Of Associated Pattern Acetabular Fractures Via An Anterior Approach Does Not Increase Blood Loss Or Need For Transfusion.
Oct 2014. Presented at the OTA Annual Meeting in Tampa, FL.
17. Perdue AM, Silverberg AJ, Thakore RV, Sathiyakumar V, Stinner DJ, **Mir HR**, Polga DJ, Obremskey WT, Sethi MK. Damage Control Plating in Open Tibial Shaft Fractures: A Cheaper and Equally Effective Alternative to Spanning External Fixation
Oct 2014. Presented at the OTA Annual Meeting in Tampa, FL.
18. Avilucea FR, Whiting PW, **Mir HR**. Posterior Fixation in APC-2 Pelvic Ring Injuries Decreases the Rates of Anterior Plate Failure and Malunion.
Oct 2015. Presented at the OTA Annual Meeting in San Diego, CA.
19. Avilucea FR, Whiting PW, Triantofolou K, Perez EA, **Mir HR**. Suprapatellar Intramedullary Nail Technique Lowers Rate of Malalignment of Distal Tibia Fractures.
Oct 2015. Presented at the OTA Annual Meeting in San Diego, CA.
20. Whiting PW, **Mir HR**. The State of Pelvic and Acetabular Surgery in the Developing World – A Survey of SIGN Hospitals.
Oct 2015. Presented at the OTA Annual Meeting in San Diego, CA.
21. Sielatycki A, Sawyer J, **Mir HR**. A Supply and Demand Analysis of the Orthopaedic Trauma Workforce in the United States.
Oct 2015. Presented at the OTA Annual Meeting in San Diego, CA.
22. Johnson D, Sathiyakumar V, Greenberg SE, Thakore R, Ehrenfeld J, **Mir HR**, Jahangir AA, Obremskey WT, Sethi MK. Relationship between the Charlson Comorbidity Index and Cost of Treating Geriatric Hip Fractures: Implications for Bundled Payment.
Oct 2015. Presented at the OTA Annual Meeting in San Diego, CA.
23. Avilucea FR, Whiting PW, **Mir HR**. Posterior Fixation in APC-2 Pelvic Ring Injuries Decreases the Rates of Anterior Plate Failure and Malunion.
Mar 2016. Presented at the AAOS Annual Meeting in Orlando, FL.
24. Avilucea FR, Whiting PW, Triantofolou K, Perez EA, **Mir HR**. Suprapatellar Intramedullary Nail Technique Lowers Rate of Malalignment of Distal Tibia Fractures.
Mar 2016. Presented at the AAOS Annual Meeting in Orlando, FL.

25. Greenberg SE, VanHouten J, Boyce RH, Melbourne C, Jahangir AA, **Mir HR**, Obremskey WT, Sethi MK. Does Admission to Medicine or Orthopaedics Impact a Geriatric Hip Fracture Patient's Length of Stay?
Mar 2016. Presented at the AAOS Annual Meeting in Orlando, FL.
26. Daniel Johnson BS, Aditya Karhade, Sarah E. Greenberg BA, Jacob P. VanHouten MS, Jahangir AA, **Mir HR**, Obremskey WT, Sethi MK. Does the Charlson Comorbidity Index Impact an Orthopedic Trauma Patient's Hospital Length of Stay?
Mar 2016. Presented at the AAOS Annual Meeting in Orlando, FL.
27. Avilucea F, Whiting P, Greenberg SE, Attum B, Jahangir AA, **Mir HR**, Obremskey WT, Sethi MK. Open Treatment of Ankle Fracture as an Inpatient Increases the Risk of a Complication.
Mar 2016. Presented at the AAOS Annual Meeting in Orlando, FL.
28. Greenberg SE, Bulka C, Jahangir AA, **Mir HR**, Burgos E, Baker R, Obremskey WT, Sethi MK. Predictors of Adverse Events for Ankle Fractures: An Analysis of 6,800 Patients.
Mar 2016. Presented at the AAOS Annual Meeting in Orlando, FL.
29. Sathiyakumar V, Greenberg SE, Jahangir AA, **Mir HR**, Obremskey WT, Sethi MK. Pre-operative Labs: Wasted Dollars or Predictors of Post-Operative Cardiac and Events in Orthopaedic Trauma Patients?
Mar 2016. Presented at the AAOS Annual Meeting in Orlando, FL.
Game Changers Award.
30. Beebe MJ, Stoops K, Lannon S, Clark C, Watson D, Tornetta P, Sanders R, **Mir HR**, Shah AR. Location, Location, Location: Does the distance of fixation from the plafond affect reduction of the syndesmosis?
Oct 2016. Presented at the OTA Annual Meeting in Washington, DC.
31. Auston D, Meiss J, Serrano R, Sellers T, Beebe MJ, Quade J, Hoggard T, Maxson B, Infante A, Watson D, Shah A, **Mir HR**. Percutaneous or open reduction of closed tibial shaft fractures during intramedullary nailing does not increase wound complications, infection, or nonunion rates.
Oct 2016. Presented at the OTA Annual Meeting in Washington, DC.
32. Beebe MJ, Serrano R, Quade J, Auston D, Infante A, Shah A, Maxson B, Watson D, Sanders R, **Mir HR**. Extreme Nailing: Is It Safe to Allow Immediate Weightbearing of Extraarticular Distal Tibia Fractures (OTA 43-A) Treated with IM Fixation?
Oct 2016. Presented at the OTA Annual Meeting in Washington, DC.
33. Serrano R, Maxson B, Infante A, Watson D, Sanders R, **Mir HR**, Shah A. The Post-Sarmiento Era: Is it Time to Re-Think Expectations of Functional Bracing for Humeral Shaft Fractures?
Oct 2016. Presented at the OTA Annual Meeting in Washington, DC.
34. Tornetta P, Dashe J, Parisien RL, Murray B, Marcantonio AJ, Belluvue KD, Firoozabadi R, Garbriel M, Klatman S, George MP, Krause P, Sadauskas A, Cannada L, Ruder J, Bosse M, Steverson B, Fontenot P, Patel S, **Mir HR**, Kempegowda H, Horwitz D, Westberg J, Sandberg B, Miller AN, Goodwin AI. Comparison of the Henry vs. Thompson Approaches for Fixation of Proximal Radial Shaft Fractures: A Multicenter Study.
Oct 2016. Presented at the OTA Annual Meeting in Washington, DC.
35. Serrano R, Infante A, Maxson B, Shah A, Sanders R, **Mir HR**, Watson D. Nasal Decolonization with Povidone-Iodine Decreases Surgical Site Infection in the Elderly with Intracapsular Femur Fractures.
Oct 2016. Presented at the OTA Annual Meeting in Washington, DC.

36. Tornetta P, Shahien A, Sullivan M, Firoozabadi R, Lu K, Cannada L, Timmel M, Ali A, Bramlett K, Marcantonio AJ, Flynn M, Vallier H, Nicolay R, Mullis B, Goodwin AI, Miller AN, Krause P, **Mir HR**. Combined Orthopaedic and Vascular Injuries: A Multicenter Analysis. Oct 2016. Presented at the OTA Annual Meeting in Washington, DC.
37. Auston D, Donohue D, Stoops K, Cox J, Diaz M, Santoni B, **Mir HR**. Long segment blocking screws increase stability of retrograde nail fixation in geriatric supracondylar femur fractures: eliminating the Bell-Clapper Effect. Feb 2017. Presented at the FOT Annual Meeting in Las Vegas, NV.
38. Beebe MJ, Serano R, Quade J, Auston D, Infante A, Shah A, Maxson B, Watson D, Sanders R, **Mir HR**. Extreme Nailing: Is It Safe to Allow Immediate Weightbearing of Extraarticular Distal Tibia Fractures (OTA 43-A) Treated with IM Fixation? Mar 2017. Presented at the AAOS Annual Meeting in San Diego, CA.
39. Beebe MJ, Stoops K, Lannon S, Clark C, Watson D, Tornetta P, Sanders R, **Mir HR**, Shah AR. Location, Location, Location: Does the distance of fixation from the plafond affect reduction of the syndesmosis? Mar 2017. Presented at the AAOS Annual Meeting in San Diego, CA.
40. Beebe MJ, Serano R, Auston D, Quade J, Shah A, Maxson B, Infante A, Sanders R, **Mir HR**, Watson D. Optimizing Fixation of Extra-articular Distal Tibia Fractures (OTA 43-A): Does the fibula matter? Mar 2017. Presented at the AAOS Annual Meeting in San Diego, CA.
41. Beebe MJ, Auston D, Serano R, Quade J, Shah A, Infante A, Maxson B, Watson D, Sanders R, **Mir HR**. OTA Classification is Highly Predictive of Acute Compartment Syndrome Following Tibia Fracture: A Cohort of 2885 Fractures. Mar 2017. Presented at the AAOS Annual Meeting in San Diego, CA.
42. Quade J, Beebe M, Auston D, Shah A, Infante A, Maxson B, Sanders RW, Watson D, **Mir HR**. Symptomatic Ilio-sacral Screw Removal following Pelvic Trauma – Incidence and Clinical Impact. Mar 2017. Presented at the AAOS Annual Meeting in San Diego, CA.
43. Auston D, Donohue D, Stoops K, Cox J, Diaz M, Santoni B, **Mir HR**. Long segment blocking screws increase stability of retrograde nail fixation in geriatric supracondylar femur fractures: eliminating the Bell-Clapper Effect. Oct 2017. Presented at the OTA Annual Meeting in Vancouver, Canada.
44. Avilucea FR, Archdeacon MT, Collinge CA, Sciadini M, Sagi HC, **Mir HR**. Fixation Strategy using Sequential Intraoperative Examination Under Anesthesia for Unstable LC Pelvic Ring Injuries Reliably Predicts Union with Minimal Displacement. Oct 2017. Presented at the OTA Annual Meeting in Vancouver, Canada.
45. Serrano R, **Mir HR**, Sagi HC, Horwitz D, Tidwell J, Ketz J, Kistler B, Quade J, Beebe M, Shah A. Multicenter Retrospective Analysis of Humeral Shaft Fractures: Are Sarmiento's Results Widely Reproducible? Oct 2017. Presented at the OTA Annual Meeting in Vancouver, Canada.
46. Tornetta P, Kuripla C, Koh J, Sems A, Shamaa T, **Mir HR**, Streufert B, Spitler C, Vallier H, Sorg D, Mullis B, McGowan B, Weinlein J, Cannada L, Charlu J, Westberg J, Wagstrom E, Morshed S, Cortez A, Krause P, Marcantonio A, Soles G, Lipof J. Timing of Definitive Fixation With Respect to Flap Coverage in Open Tibia Fractures. Oct 2017. Presented at the OTA Annual Meeting in Vancouver, Canada.

47. Tornetta P, Koh J, Jones C, Walker J, Sems A, Saxena S, Boateng H, Ringenbach K, Spitler C, **Mir HR**, Patel S, Firoozabadi R, Bellevue K, Horwitz D, Cannada L, Bosse M, Buck JS, Westberg J, Schmidt A, Kempton L, Marcantonio A, Krause P, Delarosa M, Shamaa T, Mullis B, Gudeman A, Leighton R, Alhoukail A, Morshed S, Cortez A, Sanders D, Tieszer C. Radial Nerve Injury and Recovery After Humeral Nonunion Surgery. Oct 2017. Presented at the OTA Annual Meeting in Vancouver, Canada.

Regional

48. Russell TA, **Mir HR**, Stoneback J, Cohen J, Downs B. Factors Affecting Postoperative Alignment of Subtrochanteric Femur Fractures. Sep 2007. Presented at the COS/TOS Combined Annual Meeting in Memphis, TN.
49. **Mir HR**, Edwards PK, Sanders RW, Haidukewych GJ. Iatrogenic Displacement of Minimally/Nondisplaced Intertrochanteric Fractures during Intramedullary Fixation: Incidence, Potential Etiologies, and Clinical Impact. Jun 2010. Presented at the SOA Annual Meeting in San Juan, PR.
50. Morris BJ, Richards JE, Guillamondegui OD, Sweeney KR, **Mir HR**, Obremskey WT, Kregor PJ. The Relationship of Obesity and Complications Post-Trauma in High-Energy Pelvic and Acetabular Fractures. Mar 2011. Presented at the WTA Annual Meeting in Big Sky, MT.
51. Morris BJ, Richards JE, Guillamondegui OD, Sweeney KR, **Mir HR**, Obremskey WT, Kregor PJ. Obesity Increases Early Complications Following High-Energy Pelvic and Acetabular Fractures Treated both Operatively and Nonoperatively. Oct 2011. Presented at the TOS Annual Meeting in Birmingham, AL.
52. **Mir HR**, Cannada LK, Murray JN, Black KP, Wolf JM. Orthopaedic Resident and Program Director Opinions of Resident Duty Hours - A National Survey. Oct 2011. Presented at the TOS Annual Meeting in Birmingham, AL.
53. Sagi HC, Dziadosz DR, **Mir HR**, Virani N, Olson CM. Preoperative Fever and Leukocytosis without Bacteremia Do Not Predispose to Deep Postoperative Wound Infection After Pelvic and Acetabular Surgery. Feb 2012. Presented at the WTA Annual Meeting in Vail, CO.
54. Molina C, Sivasubramaniam P, Fras A, Evans JM, **Mir HR**. Predictors of Operative Blood Loss for Acetabulum Fractures Fixed Through an Anterior Approach. Apr 2014. Presented at the MAOA Annual Meeting in San Antonio, TX.
55. Cui S, Bauer JM, Helms J, **Mir HR**, Cannada LK. Bilateral Tibial Shaft Fractures – How Bad are they? Apr 2014. Presented at the MAOA Annual Meeting in San Antonio, TX.
56. Callan AK, Bauer JM, **Mir HR**. Over-Utilization of CT Angiogram in Extremity Trauma. Oct 2014. Presented at the TOS Annual Meeting in Nashville, TN. **Podium Award.**
57. Auston D, Donohue D, Stoops K, Cox J, Diaz M, Santoni B, **Mir HR**. Long segment blocking screws increase stability of retrograde nail fixation in geriatric supracondylar femur fractures: eliminating the Bell-Clapper Effect. May 2017. Presented at the FOS Annual Meeting in Key Largo, FL. **Champion Member Abstract.**

Local

58. **Mir HR**, Artz SA. Study on the effects of radiation from Chernobyl on Belarussian children. Aug 1997. Presented at the WVU/CAMC Summer Externship Research Day in Charleston, WV.
59. **Mir HR**, Norman TM. Mineralization and Crystallinity of Cortical and Trabecular Bone in Femoral Neck Fracture Patients.
Second Place for Van Liere Research Award.
May 2000. Presented at the WVU Department of Orthopaedics Research Day in Morgantown, WV.
60. Morris BJ, Zumsteg JW, Archer KR, Cash B, **Mir HR**. Narcotic Use and Postoperative Doctor Shopping in the Orthopaedic Trauma Population.
May 2013. Presented at the VOS Annual Meeting in Destin, FL.
61. Corrigan CM, **Mir HR**. Posttraumatic Heterotopic Ossification around the Hip.
Apr 2014. Presented at the Vanderbilt Research Forum in Nashville, TN.
62. Whiting PS, White-Dzuro G, Greenberg SE, Avilucea F, Jahangir AA, **Mir HR**, Obremskey WT, Sethi MK. BMI as a Predictor of Perioperative Complications Following Orthopaedic Trauma Surgery: An ACS-NSQIP Analysis.
April 2015. Presented at the Vanderbilt Research Forum in Nashville, TN.
63. Beebe MJ, Crum K, Serano R, Auston D, Quade J, Shah A, Maxson B, Infante A, Sanders R, **Mir HR**, Watson D. Optimizing Fixation of Extra-articular Distal Tibia Fractures (OTA 43-A): Does the fibula matter?
June 2016. Presented at the USF / FOI Orthopaedic Research Day in Tampa, FL.
64. Auston D, Meiss J, Serrano R, Sellers T, Beebe MJ, Quade J, Hoggard T, Maxson B, Infante A, Watson D, Shah A, **Mir HR**. Percutaneous or open reduction of closed tibial shaft fractures during intramedullary nailing does not increase wound complications, infection, or nonunion rates.
June 2016. Presented at the USF / FOI Orthopaedic Research Day in Tampa, FL.
65. Beebe MJ, Serano R, Quade J, Auston D, Infante A, Shah A, Maxson B, Watson D, Sanders R, **Mir HR**. Extreme Nailing: Is It Safe to Allow Immediate Weightbearing of Extraarticular Distal Tibia Fractures (OTA 43-A) Treated with IM Fixation?
June 2016. Presented at the USF / FOI Orthopaedic Research Day in Tampa, FL.
66. Quade J, Beebe M, Auston D, Shah A, Infante A, Maxson B, Sanders RW, Watson D, **Mir HR**. Symptomatic Ilio-sacral Screw Removal following Pelvic Trauma – Incidence and Clinical Impact.
June 2016. Presented at the USF / FOI Orthopaedic Research Day in Tampa, FL.
67. Barrick B, Auston D, Achor K, Watson D, Shah A, Maxson B, Infante A, Sanders R, **Mir HR**. Patella Fractures treated with Cannulated Lag Screws and FiberWire® have a High Union Rate and Low Rate of Implant Removal. **Third Place Podium Award.**
June 2017. Presented at the USF / FOI Orthopaedic Research Day in Tampa, FL.
68. Frank M, Francis J, Bender M, Richards M, Watson D, Shah A, Maxson B, Infante A, Sanders R, **Mir HR**. Multi-Dose Prophylactic IV Antibiotics Do Not Lower the Risk of Surgical Site Infection for Isolated Closed Ankle Fractures.
June 2017. Presented at the USF / FOI Orthopaedic Research Day in Tampa, FL.

69. Christensen JT, Spence S, Watson D, Shah A, Maxson B, Infante A, Sanders R, **Mir HR**. Orthopaedic Watercraft Injuries: Characterization of Mechanisms, Fractures, and Complications in 216 Injuries. *Submitted to JOT*.
June 2017. Presented at the USF / FOI Orthopaedic Research Day in Tampa, FL.
70. Donohue D, Decker S, Ford J, Foley R, Dunbar K, Kumm T; Achors K, **Mir HR**. Opportunistic CT Screening for Osteoporosis in Patients with Pelvic and Acetabular Trauma: Technique and Potential Clinical Impact. **Honorable Mention Podium Award**.
June 2017. Presented at the USF / FOI Orthopaedic Research Day in Tampa, FL.

Poster

International

71. Morris BJ, Zumsteg JW, Cash B, Archer KR, **Mir HR**. Predictors of Narcotic Use and Doctor Shopping in the Orthopaedic Trauma Population.
Jun 2014. Presented at the AOA/COA Meeting in Montreal, Canada.
72. Avilucea FR, Archdeacon MT, Collinge CA, Sciadini M, Sagi HC, **Mir HR**. Fixation Strategy using Sequential Intraoperative Examination Under Anesthesia for Unstable LC Pelvic Ring Injuries Reliably Predicts Union with Minimal Displacement.
Nov 2017. Presented at the Centre for Blast Injury Studies at The Imperial College in London, England.

National

73. **Mir HR**, Marinescu R, Janda H, Russell TA. Anterior Knee Pain after Intramedullary Nailing of the Tibia.
Mar 2008. Presented at ORS Annual Meeting in San Francisco, CA.
74. **Mir HR**, Janna S, Russell TA. The Use of an Accelerometer to Determine Gait Patterns in Patients with IM Nails.
Mar 2008. Presented at ORS Annual Meeting in San Francisco, CA.
75. **Mir HR**, Marinescu R, Janda H, Russell TA. Anterior Knee Pain after Intramedullary Nailing of the Tibia - FEA.
Feb 2009. Presented at ORS Annual Meeting in Las Vegas, NV.
76. **Mir HR**, Marinescu R, Janda H, Russell TA. Anterior Knee Pain after Intramedullary Nailing of the Tibia – Effect of Anterior Cortical Bone Loss.
Mar 2010. Presented at ORS Annual Meeting in New Orleans, LA.
77. **Mir HR**, Edwards PK, Sanders RW, Haidukewych GJ. Iatrogenic Displacement of Minimally/Nondisplaced Intertrochanteric Fractures during Intramedullary Fixation: Incidence, Potential Etiologies, and Clinical Impact.
June 2010. Presented at AOA Annual Meeting in San Diego, CA.
78. **Mir HR**, Edwards PK, Sanders RW, Haidukewych GJ.
Special Emphasis Poster Presentation.
Results of Cephalomedullary Nail Fixation for Displaced Intracapsular Femoral Neck Fractures.
June 2010. Presented at AOA Annual Meeting in San Diego, CA.
79. Sagi HC, Dziadosz DR, **Mir HR**, Virani N, Olson CM. Risk Factors Predisposing to Postoperative Infection after Pelvic/Acetabular Surgery.
Oct 2010. Presented at the OTA Annual Meeting in Baltimore, MD.
80. Grant KD, **Mir HR**, Hatic S, Infante AF. The Treatment of Comminuted Metaphyseal Distal Femur Fractures with Combined Nail and Plate Fixation.
Oct 2011. Presented at the OTA Annual Meeting in San Antonio, TX.
81. Kadakia RJ, Tsahakis JM, Issar NM, Archer KR, Jahangir AA, Sethi MK, Obrebsky WT, **Mir HR**. Health Literacy In an Orthopaedic Trauma Patient Population – A Cross Sectional Survey of Patient Comprehension.
Mar 2012. Presented at the AMSA Annual Meeting in Houston, TX.

82. Kadakia RJ, Tsahakis JM, Issar NM, Archer KR, Jahangir AA, Sethi MK, Obremskey WT, **Mir HR**.
Special Emphasis Poster Presentation.
Health Literacy In an Orthopaedic Trauma Patient Population – A Cross Sectional Survey of Patient Comprehension.
June 2012. Presented at the AOA Annual Meeting in Washington, DC.
83. **Mir HR**, Cannada LK, Murray JN, Black KP, Wolf JM. *Special Emphasis Poster Presentation*
Orthopaedic Resident and Program Director Opinions of Resident Duty Hours: A National Survey.
June 2012. Presented at the AOA Annual Meeting in Washington, DC.
84. Sethi MK, Obremskey WT, Natividad H, **Mir HR**, Jahangir AA. The Prevalence and Costs of Defensive Medicine among Orthopaedic Surgeons: A National Survey Study.
June 2012. Presented at the AOA Annual Meeting in Washington, DC.
85. Edwards JM, **Mir HR**, Jahangir AA, Obremskey WT. Stress Hyperglycemia is Associated with Surgical Site Infection: A Prospective Observational Study of Non-Diabetic, Non-Critically Ill Orthopaedic Trauma Patients.
Sep 2012. Presented at the AAST Annual Meeting in Kauai, HI.
86. Bauer JM, Bible JE, **Mir HR**. Tibial Nailing in the Setting of Traumatic Knee Arthrotomy.
Oct 2012. Presented at the OTA Annual Meeting in Minneapolis, MN.
87. Bible JE, Kadakia RJ, Choxi A, Bauer JM, **Mir HR**. Retrograde Femoral Nailing in the Setting of Traumatic Knee Arthrotomy.
Oct 2012. Presented at the OTA Annual Meeting in Minneapolis MN.
88. Bible JE, Choxi A, Kadakia R, Evans JM, **Mir HR**. Quantification of Bony Pelvic Exposure Through the Modified Stoppa Approach.
Oct 2012. Presented at the OTA Annual Meeting in Minneapolis MN.
89. Bible JE, Choxi AA, Dhulipala S, Evans JM, **Mir HR**. Quantification of Anterior Tibial Bone Loss at the Tibial Nail Entry Portal.
Oct 2012. Presented at the OTA Annual Meeting in Minneapolis MN.
90. Kadakia RJ, Tsahakis JM, Issar NM, Archer KR, Jahangir AA, Sethi MK, Obremskey WT, **Mir HR**.
Health Literacy in an Orthopaedic Patient Population: Improving Patient Comprehension with an Informational Intervention.
Oct 2012. Presented at the OTA Annual Meeting in Minneapolis MN.
91. Collinge, CN, **Mir HR**, Reddix R. Fracture Morphology of High Shear Angle “Vertical” Femoral Neck Fractures in Young Adult Patients.
Oct 2012. Presented at the OTA Annual Meeting in Minneapolis MN.
92. Bible JE, Choxi A, Dhulipala S, Evans JM, **Mir HR**. Quantification of Anterior Cortical Bone Removal and Intermeniscal Ligament Damage at the Tibial Nail Entry Zone.
Mar 2013. Presented at the AAOS Annual Meeting in Chicago, IL.
93. Sathikumar V, Jahangir AA, Obremskey WT, **Mir HR**, Sethi MK. Patterns of Costs and Spending Among Orthopaedic Surgeons Across the United States: A National Survey.
Jun 2013. Presented at the AOA Annual Meeting in Denver, CO.
94. Bible JE, Sivasubramaniam P, Jahangir AA, Evans JM, **Mir HR**. Outcomes of Trans-Syndesmotic Ankle Fracture Dislocations – The “Logsplitter” Injury.
Oct 2013. Presented at the OTA Annual Meeting in Phoenix, AZ.
95. Morris BJ, Zumsteg JW, Cash B, Archer KR, **Mir HR**. Predictors of Narcotic Use and Doctor Shopping in the Orthopaedic Trauma Population.
Mar 2014. Presented at the AAOS Meeting in New Orleans, LA.

96. Joyce DM, Evans JM, **Mir HR**. Stress Fluoroscopy Eliminates the Need for Intraoperative AP Pelvis Radiographs after Femoral Nails.
Oct 2014. Presented at the OTA Annual Meeting in Tampa, FL.
97. Kadakia RJ, Kay HF, Ehrenfeld JE, Kripalani S, Idrees K, Archer KR, **Mir HR**. Timing, Incidence, and Risk Factors Associated with Unplanned Postoperative Hospital Readmissions in the Orthopaedic Trauma Patient Population.
Oct 2014. Presented at the OTA Annual Meeting in Tampa, FL.
98. Kadakia RJ, Kay HF, Ehrenfeld JE, Kripalani S, Idrees K, Archer KR, **Mir HR**. Surgical Apgar Score (Sas) Is Associated With Postoperative Complications In The Orthopaedic Trauma Patient Population.
Oct 2014. Presented at the OTA Annual Meeting in Tampa, FL.
99. Ihejirika RC, Sathiyakumar V, Jahangir AA, Obremskey WT, **Mir HR**, Stinner DJ, Thakore RV, Sethi MK. Health-Care Reimbursement Models and Orthopaedic Trauma: Will There Be Change in Management?
Oct 2014. Presented at the OTA Annual Meeting in Tampa, FL.
100. Callan AK, Bauer JM, **Mir HR**. Over-Utilization of CT Angiogram in Extremity Trauma.
Mar 2015. Presented at the AAOS Annual Meeting in Las Vegas, NV.
101. Sathikumar V, Jahangir AA, Obremskey WT, **Mir HR**, Sethi MK. The Risk Factors and Costs of Surgical Site Infections at a Major Level I Trauma Center.
Jun 2015. Presented at the AOA Annual Meeting in Providence, RI.
102. Avilucea F, Whiting P, Greenberg SE, Attum B, Jahangir AA, **Mir HR**, Obremskey WT, Sethi MK. Open Treatment of Ankle Fracture as an Inpatient Increases the Risk of a Complication.
Oct 2015. Presented at the OTA Annual Meeting in San Diego, CA.
103. Greenberg SE, Bulka C, Jahangir AA, **Mir HR**, Burgos E, Baker R, Obremskey WT, Sethi MK. Predictors of Adverse Events for Ankle Fractures: An Analysis of 6,800 Patients.
Oct 2015. Presented at the OTA Annual Meeting in San Diego, CA.
104. Greenberg SE, VanHouten J, Boyce RH, Melbourne C, Jahangir AA, **Mir HR**, Obremskey WT, Sethi MK. Does Admission to Medicine or Orthopaedics Impact a Geriatric Hip Fracture Patient's Length of Stay?
Oct 2015. Presented at the OTA Annual Meeting in San Diego, CA.
105. Whiting PS, White-Dzuro G, Greenberg SE, Avilucea F, Jahangir AA, **Mir HR**, Obremskey WT, Sethi MK. BMI as a Predictor of Perioperative Complications Following Orthopaedic Trauma Surgery: An ACS-NSQIP Analysis.
Oct 2015. Presented at the OTA Annual Meeting in San Diego, CA.
106. Sathiyakumar V, Greenberg SE, Jahangir AA, **Mir HR**, Obremskey WT, Sethi MK. Pre-operative Labs: Wasted Dollars or Predictors of Post-Operative Cardiac and Septic Events in Orthopaedic Trauma Patients?
Oct 2015. Presented at the OTA Annual Meeting in San Diego, CA. **Best Poster.**
107. Whiting PS, White-Dzuro G, Vanhouten J, Greenberg SE, Avilucea F, Jahangir AA, **Mir HR**, Obremskey WT, Sethi MK. Risk Factors for Deep Venous Thrombosis in Orthopaedic Trauma: An Analysis of 56,000 patients.
Oct 2015. Presented at the OTA Annual Meeting in San Diego, CA.
108. Greenberg SE, Bulka C, Avilucea F, Jahangir AA, **Mir HR**, Obremskey WT, Sethi MK. Does Resident Involvement Increase Complications in Orthopaedic Trauma?
Oct 2015. Presented at the OTA Annual Meeting in San Diego, CA.

109. Mitchell P, Greenberg SE, Bulka C, Avilucea F, Jahangir AA, **Mir HR**, Obrebsky WT, Sethi MK. Does Resident Involvement Increase Complications in Orthopaedic Trauma? Mar 2016. Presented at the AAOS Annual Meeting in Orlando, FL.
110. Greenberg SE, Bulka C, Avilucea F, Whiting PS, Jahangir AA, **Mir HR**, Obrebsky WT, Sethi MK. Predicting the Postoperative Length of Stay for the Orthopaedic Trauma Patient. Mar 2016. Presented at the AAOS Annual Meeting in Orlando, FL.
111. Beebe MJ, Serano R, Auston D, Quade J, Shah A, Maxson B, Infante A, Sanders R, **Mir HR**, Watson D. Optimizing Fixation of Extra-articular Distal Tibia Fractures (OTA 43-A): Does the fibula matter? Oct 2016. Presented at the OTA Annual Meeting in Washington, DC.
112. Auston D, Whiting PS, Avilucea FR, Beebe MJ, Quade J, Ross D, Archdeacon MT, Collinge CA, Sagi HC, **Mir HR**, Watson D. Negative Stress Examination Under Anesthesia is Reliable in Predicting Union Without Displacement While Full Weight-Bearing. Oct 2016. Presented at the OTA Annual Meeting in Washington, DC.
113. Beebe MJ, Auston D, Serano R, Quade J, Shah A, Infante A, Maxson B, Watson D, Sanders R, **Mir HR**. OTA Classification is Highly Predictive of Acute Compartment Syndrome Following Tibia Fracture: A Cohort of 2885 Fractures. Oct 2016. Presented at the OTA Annual Meeting in Washington, DC.
114. Cannada L, **Mir HR**, Hire J, Boyer P, Israel H, Halvorson J, Della Rocca G, Ming B, Mullis B, Deshpande C. Treatment and Outcomes of Patients with Ipsilateral Acetabular and Femur Fractures: A Multicenter Retrospective Analysis. Oct 2016. Presented at the OTA Annual Meeting in Washington, DC.
115. Tornetta P, Veltre D, Krause P, George MP, Vallier HA, Nguyen MP, Reich MS, Cannada L, Eng M, Miller AN, Goodwin AI, **Mir HR**, Clark C, Sandberg B, Westberg J, Firoozabadi R. Gun Shot Fractures of the Forearm Are Bad Actors! Oct 2016. Presented at the OTA Annual Meeting in Washington, DC.
116. Auston D, Whiting PS, Avilucea FR, Beebe MJ, Quade J, Ross D, Archdeacon MT, Collinge CA, Sagi HC, **Mir HR**, Watson D. Negative Stress Examination Under Anesthesia is Reliable in Predicting Union Without Displacement While Full Weight-Bearing. Mar 2017. Presented at the AAOS Annual Meeting in San Diego, CA.
117. Donohue D, Decker S, Ford J, Foley R, Dunbar K, Kumm T; Achors K, **Mir HR**. Opportunistic CT Screening for Osteoporosis in Patients with Pelvic and Acetabular Trauma: Technique and Potential Clinical Impact. Oct 2017. Presented at the OTA Annual Meeting in Vancouver, Canada.
118. Frank M, Francis J, Bender M, Richards M, Watson D, Shah A, Maxson B, Infante A, Sanders R, **Mir HR**. Multi-Dose Prophylactic IV Antibiotics Do Not Lower the Risk of Surgical Site Infection for Isolated Closed Ankle Fractures. Oct 2017. Presented at the OTA Annual Meeting in Vancouver, Canada.
119. Yoon R, Donegan D, Frank M, **Mir HR**, Van Osten K, Finkmeyer C, Collinge C, Liporace F. Indications and Outcomes for Nail Plate Combination Technique in the Treatment of Complex Femur and Distal Femur Fractures, Nonunions, and Malunions: A MultiCenter Collaborative Study. Oct 2017. Presented at the OTA Annual Meeting in Vancouver, Canada.

Regional

120. Devers BN, Lebus GF, **Mir HR**. Incidence and Functional Outcomes Following Malunion of Non-operative Humeral Shaft Fractures. .
Oct 2014. Presented at the TOS Annual Meeting in Nashville, TN. **Poster Award.**
121. Kappa SF, Green EA, Miller NL, Herrell SD, Mitchell CR, **Mir HR**, Resnick MJ. Narcotic Use and Postoperative Doctor Shopping Among Patients with Nephrolithiasis Requiring Operative Intervention: Implications for Patient Safety.
Mar 2015. Presented at the Southeastern Section of the AUA Annual Meeting in Savannah, GA.

Local

122. **Mir HR**, Edwards PK, Sanders RW, Haidukewych GJ.
Results of Cephalomedullary Nail Fixation for Displaced Intracapsular Femoral Neck Fractures.
June 2009. Presented at FOI Fellows Research Day in Tampa, FL.
123. Kadakia RJ, Tsahakis JM, Issar NM, Archer KR, Jahangir AA, Sethi MK, Obrebskey WT, **Mir HR**.
Health Literacy In an Orthopaedic Trauma Patient Population – A Cross Sectional Survey of Patient Comprehension.
Apr 2012. Presented at the Vanderbilt Research Forum in Nashville, TN.
124. Edwards JM, **Mir HR**, Jahangir AA, Obrebskey WT.
Stress Hyperglycemia is Associated with Surgical Site Infection:
A Prospective Observational Study of Non-Diabetic, Non-Critically Ill Orthopaedic Trauma Patients.
Best Clinical Science Award.
Apr 2012. Presented at the Vanderbilt Research Forum in Nashville, TN.
125. Molina CS, Callan AK, Burgos EJ, **Mir HR**. On-Call Communication in Orthopaedic Trauma: “A Picture is Worth a Thousand Words”.
April 2014. Presented at the Vanderbilt Research Forum in Nashville, TN.
126. Dodd A, Bulka C, Kramer NM, Avilucea FR, Jahangir AA, **Mir HR**, Obrebskey WT, Sethi MK. Open Treatment of Ankle Fracture as an Inpatient Increases the Risk of a Complication.
April 2015. Presented at the Vanderbilt Research Forum in Nashville, TN.
127. Greenberg SE, Bulka C, Jahangir AA, **Mir HR**, Burgos E, Baker R, Obrebskey WT, Sethi MK. Predictors of Adverse Events for Ankle Fractures: An Analysis of 6,800 Patients.
April 2015. Presented at the Vanderbilt Research Forum in Nashville, TN.
128. Greenberg SE, VanHouten J, Boyce RH, Melbourne C, Jahangir AA, **Mir HR**, Obrebskey WT, Sethi MK. Does Admission to Medicine or Orthopaedics Impact a Geriatric Hip Fracture Patient's Length of Stay?
April 2015. Presented at the Vanderbilt Research Forum in Nashville, TN.
129. Sathiyakumar V, Greenberg SE, Jahangir AA, **Mir HR**, Obrebskey WT, Sethi MK. Pre-operative Labs: Wasted Dollars or Predictors of Post-Operative Cardiac and Septic Events in Orthopaedic Trauma Patients?
April 2015. Presented at the Vanderbilt Research Forum in Nashville, TN.

130. Whiting PS, White-Dzuro G, Vanhouten J, Greenberg SE, Avilucea F, Jahangir AA, **Mir HR**, Obremskey WT, Sethi MK. Risk Factors for Deep Venous Thrombosis in Orthopaedic Trauma: An Analysis of 56,000 patients.
April 2015. Presented at the Vanderbilt Research Forum in Nashville, TN.
131. Greenberg SE, Bulka C, Avilucea F, Jahangir AA, **Mir HR**, Obremskey WT, Sethi MK. Does Resident Involvement Increase Complications in Orthopaedic Trauma?
April 2015. Presented at the Vanderbilt Research Forum in Nashville, TN.
132. Greenberg SE, Bulka C, Jahangir AA, **Mir HR**, Obremskey WT, Sethi MK. Predictors of 30-Day Mortality for Orthopaedic Trauma Patients.
April 2015. Presented at the Vanderbilt Research Forum in Nashville, TN.
133. Shi H, Greenberg SE, VanHouten JP, Avilucea FR, Jahangir AA, **Mir HR**, Obremskey WT, Sethi MK. The Risk of Deep Vein Thrombosis in Total Joint Patients compared to Orthopaedic Trauma Patients: Need for New Prevention Guidelines.
April 2015. Presented at the Vanderbilt Research Forum in Nashville, TN.
134. Daniel Johnson BS, Aditya Karhade, Sarah E. Greenberg BA, Jacob P. VanHouten MS, Jahangir AA, **Mir HR**, Obremskey WT, Sethi MK. Does the Charlson Comorbidity Index Impact an Orthopedic Trauma Patient's Hospital Length of Stay?
April 2015. Presented at the Vanderbilt Research Forum in Nashville, TN.
135. Harms K, Karhade A, Greenberg SE, Bulka C, Jahangir AA, **Mir HR**, Obremskey WT, Sethi MK. Large Femoral Defects in Open Femur Fractures: A Ten Year Retrospective Review.
April 2015. Presented at the Vanderbilt Research Forum in Nashville, TN.
136. Avilucea FR, Greenberg, Karhade A, Whiting PS, Jahangir AA, **Mir HR**, Obremskey WT, Sethi MK. Patients at Increased Risk of a Major Adverse Event Following In-Patient Open Treatment of Distal Radius Fractures.
April 2015. Presented at the Vanderbilt Research Forum in Nashville, TN.
137. Greenberg SE, Bulka C, Avilucea F, Whiting PS, Jahangir AA, **Mir HR**, Obremskey WT, Sethi MK. Predicting the Postoperative Length of Stay for the Orthopaedic Trauma Patient.
April 2015. Presented at the Vanderbilt Research Forum in Nashville, TN.
138. VanHouten JP, Greenberg SE, Avilucea FR, Jahangir AA, **Mir HR**, Obremskey WT, Sethi MK. A Hospital Length-of-Stay Predictor for Geriatric Hip Patients based on Admitting Service.
April 2015. Presented at the Vanderbilt Research Forum in Nashville, TN.
139. Whiting PS, Karhade A, Greenberg SE, VanHouten JP, White-Dzuro GA, Avilucea FR, Jahangir AA, **Mir HR**, Obremskey WT, Sethi MK. Outcomes of Distal Femur Non-Unions Treated with a Combined Nail/Plate Construct and Autogenous Bone Grafting.
April 2015. Presented at the Vanderbilt Research Forum in Nashville, TN.
140. Harms K, Greenberg SE, VanHouten JP, Melbourne C, Jahangir AA, **Mir HR**, Obremskey WT, Sethi MK. Increased risk of Adverse Events in the management of Femur and Tibial Shaft Fractures with ORIF: An Analysis of the NSQIP Data.
April 2015. Presented at the Vanderbilt Research Forum in Nashville, TN.
141. Wallace C, Sathiyakumar V, Greenberg SE, Jahangir AA, **Mir HR**, Obremskey WT, Sethi MK. Are Cardiac Complications Associated with Other Adverse events? A Look at 56,000 Orthopaedic Trauma Patients.
April 2015. Presented at the Vanderbilt Research Forum in Nashville, TN.

142. Ghiam M, Avilucea FR, Greenberg SE, Whiting PS, Jahangir AA, **Mir HR**, Obremskey WT, Sethi MK. Predictors of Post-Operative Complication following Open Treatment of Acetabular Fractures within 30 days of Surgery: An Analysis of 341 patients from the ACS-NSQIP Database.
April 2015. Presented at the Vanderbilt Research Forum in Nashville, TN.
143. Johnson DJ, Greenberg SE, Sathiyakumar V, Thakore RV, Ehrenfeld J, Jahangir AA, **Mir HR**, Obremskey WT, Sethi MK. Relationship between the Charlson Comorbidity Index and Cost of Treating Geriatric Hip Fractures: Implications for Bundled Payment.
April 2015. Presented at the Vanderbilt Research Forum in Nashville, TN.
144. Wallace C, Sathiyakumar V, Greenberg SE, Avilucea FR, Whiting PS, Jahangir AA, **Mir HR**, Obremskey WT, Sethi MK. Risk Factors for Adverse Cardiac Events in 27,000 Hip Fracture Patients: What the Practicing Orthopaedist Should be Aware of.
April 2015. Presented at the Vanderbilt Research Forum in Nashville, TN.
145. Fan R, Sathiyakumar V, Greenberg SE, Karhade A, Jahangir AA, **Mir HR**, Obremskey WT, Sethi MK. Adverse cardiac events in 56,000 orthopaedic trauma patients: does anatomic area make a difference?
April 2015. Presented at the Vanderbilt Research Forum in Nashville, TN.
146. Fan R, Sathiyakumar V, Greenberg SE, Karhade A, Jahangir AA, **Mir HR**, Obremskey WT, Sethi MK. Impact of type of surgery on DVTs and Pulmonary Emboli: a look at 27,000 hip fracture patients.
April 2015. Presented at the Vanderbilt Research Forum in Nashville, TN.
147. Douleh D, Sathiyakumar V, Greenberg SE, Karhade A, Jahangir AA, **Mir HR**, Obremskey WT, Sethi MK. Do orthopaedic trauma patients develop higher rates of cardiac complications? An analysis of 56,000 patients.
April 2015. Presented at the Vanderbilt Research Forum in Nashville, TN.
148. Douleh D, Sathiyakumar V, Greenberg SE, Karhade A, Jahangir AA, **Mir HR**, Obremskey WT, Sethi MK. Are Orthopaedic Trauma patients at greater risk of sepsis? An analysis of the NSQIP data.
April 2015. Presented at the Vanderbilt Research Forum in Nashville, TN.
149. Sathiyakumar V, Greenberg SE, Karhade A, Jahangir AA, **Mir HR**, Obremskey WT, Sethi MK. Drivers of hospital length of stay in 56,000 orthopaedic trauma patients: the impact of postoperative cardiac events.
April 2015. Presented at the Vanderbilt Research Forum in Nashville, TN.

INVITED FACULTY

International

1. Osteosynthesis and Trauma Care (OTC) Foundation “Fractures Around the Foot and Ankle”
Course in Miami, FL.
“Talus Fractures.”
“Lisfranc Fractures.”
May 2011. Lecturer, Lab Instructor.
2. SIGN International Conference in Richland, WA. “Fixation of Intracapsular Femur Fractures.”
Sep 2011. Lecturer, Lab Instructor.
3. VuMedi Webinar – “US Health Policy and Reform: Implications of the 2012 Election.”
“Healthcare Reform in America – Red, Green, and Blue.”
Nov 2012. Lecturer.
4. SICOT Webinar broadcast in India. “Acetabular Fractures.”
“Anterior Intrapelvic Approach for Acetabular Fractures.”
July 2014. Lecturer.
5. Smith and Nephew Complex Trauma Masters Forum in Singapore.
“Complex Proximal Femoral Nailing.”
“Complex Distal Femur Fractures – Plates and Nails.”
“Ankles, Pylons, & Calcs – Tips & Tricks.”
Case Presentations.
Mar 2015. Lecturer, Moderator.
6. VuMedi Webinar – “Advances in Managing Post-Op Pain in Orthopaedic Trauma.”
“The Opioid Epidemic – Impact on Orthopaedic Surgery.”
Feb 2016. Lecturer.
7. SICOT Webinar broadcast in India. “Femur Fractures.”
“Tips and Tricks for Femoral Fractures.”
Feb 2016. Lecturer.
8. OTA Webinar – “Pain Management in Orthopaedic Trauma.”
“Orthopaedic Trauma and Opioids.”
Mar 2017. Lecturer.

National

9. AAOS Annual Meeting – Resident Liaison Session in New Orleans, LA.
“Industry/Surgeon Relationships in the Transition from Resident to AAOS Fellow.”
Mar 2010. Lecturer.
10. AAOS Annual Meeting – Resident Liaison Session in San Diego, CA.
“Resident Duty Hours from Resident to AAOS Fellow.” Presenter.
Feb 2011. Lecturer.
11. FOT Annual Meeting in Las Vegas, NV.
“Proximal Tibia Fractures.”
Mar 2011. Lecturer.
12. OTA Resident Fracture Course in Chicago, IL.
“Geriatric Fractures.”
Apr 2011. Lecturer, Lab Instructor.

13. OTA Annual Meeting in San Antonio, TX.
“IM Nailing of Proximal Femur Fractures.”
Oct 2011. Lab Instructor.
14. FOT Lower Extremity Dissection Course in Las Vegas, NV.
“Applied Anatomy of Knee Approaches.”
Mar 2012. Lecturer, Lab Instructor.
15. FOT Annual Meeting in Las Vegas, NV.
“Dynamic Assessment of Pelvic Stability.” Presenter.
Mar 2012. Lecturer.
16. OTA Resident Fracture Course in Chicago, IL.
“Geriatric Fractures.”
Apr 2012. Lecturer, Lab Instructor.
17. FOT Lower Extremity Dissection Course in Philadelphia, PA..
“Applied Anatomy of Knee Approaches.”
“Kocher-Langenbach Approach to Hip.”
Sep 2012. Lecturer, Lab Instructor.
18. OTA Annual Meeting – NP/PA Course in Minneapolis, MN.
Hip Fracture Fixation.
Oct 2012. **Moderator**, Lab Instructor.
19. OTA Annual Meeting in Minneapolis, MN.
Workers’ Compensation Symposium – An Orthopaedic Trauma Perspective.
“History of Workers’ Compensation and Common Definitions.”
Oct 2012. **Moderator**, Lecturer.
20. OTA Annual Meeting in Minneapolis, MN.
Health Policy Symposium
“Healthcare Reform – Red, Green, & Blue.”
Oct 2012. Lecturer.
21. FOT Upper Extremity Dissection Course in Las Vegas, NV..
“Shoulder Approaches.”
Feb 2013. Lecturer, Lab Instructor.
22. FOT Annual Meeting in Las Vegas, NV.
“Health Literacy in an Orthopaedic Trauma Patient Population.”
Mar 2013. Lecturer.
23. AAOS Annual Meeting in Chicago, IL.
Symposium - Lower Extremity Nailing: What Can Be Nailed,
What Should be Nailed, and Technical Pearls for Success.
“Complex Proximal Femur Fractures”
Mar 2013. Lecturer.
24. OTA Resident Fracture Course in Chicago, IL.
“Geriatric Fractures.”
Apr 2013. Lecturer, Lab Instructor.
25. Smith and Nephew Masters’ Fracture Forum in Huntington Beach, CA.
“Proximal Humerus Fractures.”
May 2013. Lecturer.

26. Smith and Nephew Surgical Approaches for Internal Fixation Course in Memphis, TN.
"Talus Fractures."
Sep 2013. Lecturer, Lab Instructor.
27. Interurban Orthopaedic Society in Nashville, TN.
"Narcotic Use and Postoperative Doctor Shopping in the Orthopaedic Trauma Population."
Oct 2013. Lecturer.
28. OTA Annual Meeting - NP/PA Course in Phoenix, AZ.
Expert Panel and Case Discussions.
"Fracture Complications."
Oct 2013. **Moderator**, Lecturer.
29. OTA Annual Meeting - Resident Fracture Course in Phoenix, AZ.
"Geriatric Fractures."
Oct 2013. Lecturer, Lab Instructor.
30. OTA Annual Meeting in Phoenix, AZ.
Skills Lab.
"Knee or Ankle Spanning Ex-Fix."
Oct 2013. Lab Instructor.
31. OTA Annual Meeting in Phoenix, AZ.
Health Policy Symposium
"Global Systems of Health and Trauma Care."
Oct 2013. Lecturer.
32. FORE Orthopedic Trauma and Fracture Care – Pushing the Envelope in San Diego, CA.
"Which of your patients are abusing Narcotics and are Doctor Shopping."
"Proximal Femoral Nailing – What are My Tricks."
Feb 2014. Lecturer.
33. Smith and Nephew Surgical Approaches for Internal Fixation Course in Memphis, TN.
Talus Fractures.
Feb 2014. Lecturer, Lab Instructor.
34. FOT Lower Extremity Dissection Course in Las Vegas, NV.
"Applied Anatomy of Knee Approaches."
Feb 2014. Lecturer, Lab Instructor.
35. AAOS Annual Meeting in New Orleans, LA.
Instructional Course Lecture - Shared Decision Making and Informed Consent:
Understanding the goals and the Responsibility of the Orthopaedic Surgeon
"Shared Decision Making"
Mar 2014. Lecturer.
36. AAOS Annual Meeting in New Orleans, LA.
Instructional Course Lecture - Lower Extremity Fracture Reduction: Tips, Tricks &
Techniques So That You Leave the OR Satisfied
"Foot & Ankle – Open & Minimally Invasive"
Mar 2014. Lecturer.
37. OTA Resident Fracture Course in Chicago, IL.
"Pelvic Fractures."
Apr 2014. Lecturer, Lab Instructor.

38. Smith and Nephew Surgical Approaches for Internal Fixation Course in Memphis, TN.
Talus Fractures.
July 2014. Lecturer, Lab Instructor.
39. Smith and Nephew Surgical Approaches for Internal Fixation Course in Memphis, TN.
Talus Fractures.
September 2014. Lecturer, Lab Instructor.
40. OTA Annual Meeting in Tampa, FL.
From the Operating Room to the Boardroom - Applying an MBA to Benefit
Orthopaedic Traumatology.
"Obtaining an MBA as a Physician – How and Why."
Oct 2014. **Moderator**, Lecturer.
41. OTA Annual Meeting in Tampa, FL.
Contemporary Debates in Health Policy.
Oct 2014. **eModerator**,
42. OTA Annual Meeting - Young Practitioners Forum in Tampa, FL.
"Getting Started in Research."
Oct 2014. Lecturer.
43. OTA Annual Meeting - NP/PA Course in Tampa, FL.
Skills Lab.
"Distal Femur Plating."
Oct 2014. Lab Instructor.
44. OTA Annual Meeting - Orthopaedic Trauma Boot Camp in Tampa, FL.
Skills Lab.
"Pilon Plating."
Oct 2014. Lab Instructor.
45. OTA Annual Meeting in Tampa, FL.
Skills Lab.
"Anterior Acetabular Fixation."
Oct 2014. Lab Instructor.
46. AO Residents Basic Fracture Course in Atlanta, GA.
"Humeral Shaft Fractures."
October 2014. Lecturer, Lab Instructor.
47. Smith and Nephew Advanced Surgical Approaches for Internal Fixation Course in Memphis, TN.
"Distal Femur Fractures."
November 2014. Lecturer, Lab Instructor.
48. AAOS Virtual CME Course.
Long Bone Nonunion.
Sep - Oct 2014. Course Blogger.
49. FORE Orthopedic Trauma and Fracture Care – Pushing the Envelope in San Diego, CA.
"International Systems of Health Care and Trauma."
"Anterior Intrapelvic Approach for Acetabular Fractures."
Jan 2015. Lecturer.
50. Smith and Nephew Surgical Approaches for Internal Fixation Course in Memphis, TN.
Talus Fractures.
February 2015. Lecturer, Lab Instructor.

51. AAOS/OTA Combined Trauma Update Course in Orlando, FL.
"Complex Elbow Fractures"
Mar 2015. Lecturer. Table Instructor. Lab Instructor.
52. AAOS Annual Meeting in Las Vegas, NV.
Instructional Course Lecture - Shared Decision Making and Informed Consent:
Understanding the goals and the Responsibility of the Orthopaedic Surgeon
"Shared Decision Making"
Mar 2015. Lecturer.
53. AAOS Annual Meeting in Las Vegas, NV.
Instructional Course Lecture - Lower Extremity Fracture Reduction: Tips, Tricks &
Techniques So That You Leave the OR Satisfied
"Foot & Ankle – Open & Minimally Invasive"
Mar 2015. Lecturer.
54. AAOS Annual Meeting in Las Vegas, NV.
Instructional Course Lecture - Periarticular Fractures of the Tibia:
The Case for Going Prone.
Mar 2015. Table Instructor.
55. AAOS Annual Meeting in Las Vegas, NV.
Faculty Development Program
"Culturally Competent Care"
Mar 2015. Lecturer. **Moderator.**
56. AAOS Annual Meeting in Las Vegas, NV.
Resident Tips & Tricks Program
"Culturally Competent Care"
Mar 2015. Lecturer.
57. AAOS Annual Meeting in Las Vegas, NV.
AAOS Now Forum.
"Impact of Government Initiatives "
Mar 2015. **Moderator.**
58. OTA Resident Fracture Course in Chicago, IL.
"Pelvic Fractures."
Apr 2015. Lecturer, Lab Instructor.
59. FORE Trauma 101 - Fracture Care for the Community Orthopedist in Cincinnati, OH.
"Ankle Fractures in the Elderly."
"Supracondylar Femur Fractures."
May 2015. Lecturer. Lab Instructor.
60. AOA Annual Meeting in Providence, RI.
Emerging Leaders Forum
"AOA Travelling Fellowships."
June 2015. Lecturer.
61. Smith and Nephew Surgical Approaches for Internal Fixation Course in Memphis, TN.
Talus Fractures.
September 2015. Lecturer, Lab Instructor.
62. OTA Annual Meeting in San Diego, CA.
From the Operating Room to the Boardroom - Applying an MBA to Benefit
Orthopaedic Traumatology.
"Obtaining an MBA as a Physician – How and Why."
Oct 2015. **Moderator,** Lecturer.

63. OTA Annual Meeting in San Diego, CA.
Anxious, Addicted, and Alone – It is More than Just the Xrays!
“The Opioid Epidemic.”
Oct 2015. Lecturer.
64. OTA Annual Meeting - Orthopaedic Trauma Boot Camp in San Diego, CA.
Skills Lab.
“Pilon Plating.”
Oct 2015. Lab Instructor.
65. OTA Annual Meeting in San Diego, CA.
Skills Lab.
“Complex Ankle Fractures: Posterior Malleolus, Syndesmosis.”
Oct 2015. Lab Instructor.
66. OTA Annual Meeting in San Diego, CA.
Skills Lab.
“IM Nailing Proximal Tibia Fx.”
Oct 2015. Lab Instructor.
67. OTA Annual Meeting in San Diego, CA.
Skills Lab.
“Periprosthetic Femur Fx.”
Oct 2015. Lab Instructor.
68. FORE Pelvic and Acetabular Masters Meeting in San Diego, CA.
“Acute Pelvic Injuries.”
Oct 2015. Presenter.
69. Smith and Nephew Advanced Surgical Approaches for Internal Fixation Course in Memphis, TN.
“Distal Femur Fractures.”
November 2015. Lecturer, Lab Instructor.
70. Smith and Nephew Masters’ Fracture Forum in New York City, NY.
“Distal Femur and Femoral Shaft Fractures.”
Dec 2015. Lecturer.
71. Society of Military Orthopaedic Surgeons (SOMOS) Annual Meeting in St. Petersburg, FL.
Trauma – Upper Extremity.
Dec 2015. **Moderator.**
72. SOMOS Annual Meeting in St. Petersburg, FL.
Rapid Fire Trauma – Vascular Injury.
Dec 2015. **Moderator.**
73. SOMOS Annual Meeting in St. Petersburg, FL.
“Complex Elbow Injuries.”
Dec 2015. Lecturer
74. Smith and Nephew Surgical Approaches for Internal Fixation Course in Memphis, TN.
Talus Fractures.
February 2016. Lecturer, Lab Instructor.
75. AAOS Annual Meeting in Orlando, FL.
Instructional Course Lecture - Shared Decision Making and Informed Consent:
Understanding the goals and the Responsibility of the Orthopaedic Surgeon
“Shared Decision Making”
Mar 2016. Lecturer.

76. AAOS Annual Meeting in Orlando, FL.
Instructional Course Lecture - Lower Extremity Fracture Reduction: Tips, Tricks & Techniques So That You Leave the OR Satisfied
"Foot & Ankle – Open & Minimally Invasive"
Mar 2016. Lecturer.
77. AAOS Annual Meeting in Orlando, FL.
Instructional Course Lecture - Periarticular Fractures of the Tibia:
The Case for Going Prone.
Mar 2016. Table Instructor.
78. AAOS Annual Meeting in Orlando, FL.
Faculty Development Program
"Culturally Competent Care"
Mar 2016. Lecturer. **Moderator.**
79. AAOS Annual Meeting in Orlando, FL.
The Way I See It.
"Obamacare"
Mar 2016. Lecturer.
80. Depuy Synthes Current Techniques in Orthopaedic Trauma in Tampa, FL.
"Complex Elbow Fractures."
April 2016. Lecturer. Lab Instructor.
81. Smith and Nephew Masters' Fracture Forum in Huntington Beach, CA.
"Pelvic Fractures."
April 2016. Lecturer.
82. FORE Trauma 101 - Fracture Care for the Community Orthopedist in Clearwater, FL.
"Ankle Fractures in the Elderly."
"Tibial Shaft Fractures – IM Nail Entry Portals and Tricks."
April 2016. Lecturer. Lab Instructor.
83. FOT Pelvic Dissection Course in Tampa, FL.
"Anterior Intrapelvic Approach."
May 2016. Lecturer, Lab Instructor. **Course Director.**
84. Smith and Nephew Surgical Approaches for Internal Fixation Course in Memphis, TN.
Talus Fractures.
September 2016. Lecturer, Lab Instructor.
85. OTA Annual Meeting- Orthopaedic Trauma Boot Camp in Washington, DC.
Orthopaedic Urgencies / Emergencies.
"Getting Through the Night – What Needs to Go in the Dark."
Oct 2016. **Moderator.** Lecturer.
86. FORE Pelvic and Acetabular Masters Meeting in Washington, DC.
"Pelvic and Acetabular Combination Injuries."
Oct 2016. Presenter.
87. OTA Annual Meeting - Orthopaedic Trauma Boot Camp in Washington, DC.
Skills Lab.
"Pilon Plating."
Oct 2016. Lab Instructor.

88. OTA Annual Meeting - Orthopaedic Trauma Boot Camp in Washington, DC.
Skills Lab.
"Extended Tibial Nailing."
Oct 2016. Lab Instructor.
89. OTA Annual Meeting in Washington, DC.
Moving Beyond Mu with Kappa Opioid Receptor Agonists: Leaving the Baggage Behind.
"The Opioid Epidemic – Impact on Orthopaedic Surgery."
Oct 2016. Lecturer.
90. OTA Annual Meeting in Washington, DC.
Case Presentations – Pelvis and Acetabulum.
Oct 2016. Presenter.
91. OTA Annual Meeting in Washington, DC.
Skills Lab.
"IMN Proximal Tibia Fractures."
Oct 2016. Lab Instructor.
92. OTA Annual Meeting in Washington, DC.
Pain Management, Pediatrics and Infection.
Oct 2016. **Moderator.**
93. Smith and Nephew Advanced Surgical Approaches for Internal Fixation Course in Memphis, TN.
"Distal Femur Fractures."
November 2016. Lecturer, Lab Instructor.
94. AAOS/OTA Combined Trauma Update Course in Chicago, IL.
"Complex Elbow Fractures."
"Tibial Nailing."
Dec 2016. Lecturer. Table Instructor. Lab Instructor.
95. FOT Annual Meeting in Las Vegas, NV.
"Jedi Mind Tricks and Patient Satisfaction."
Feb 2017. Lecturer.
96. AAOS Annual Meeting in San Diego, CA.
Faculty Development Program
"Culturally Considerations in Education and Patient Care"
Mar 2017. Lecturer. **Moderator.**
97. AAOS Annual Meeting in San Diego, CA.
Moving Beyond Mu with Kappa Opioid Receptor Agonists: Leaving the Baggage Behind.
"The Opioid Epidemic – Impact on Orthopaedic Surgery."
Mar 2017. Lecturer.
98. AAOS Annual Meeting in San Diego, CA.
Instructional Course Lecture - Lower Extremity Fracture Reduction: Tips & Tricks for
Nails & Plates
"Distal Femur."
Mar 2017. Lecturer. **Moderator.**
99. AAOS Annual Meeting in San Diego, CA.
Instructional Course Lecture - Antibiotic Stewardship Programs
"Orthopaedic Trauma Considerations"
Mar 2017. Lecturer.

100. AAOS Annual Meeting in San Diego, CA.
The Way I See It.
“Patient Centered Care and Shared Decision Making”
Mar 2017. Lecturer.
101. AAOS Annual Meeting in San Diego, CA.
Instructional Course Lecture - Periarticular Fractures of the Tibia:
The Case for Going Prone.
Mar 2017. Table Instructor.
102. Smith and Nephew Masters’ Fracture Forum in Huntington Beach, CA.
“Proximal Tibia Fractures.”
April 2017. Lecturer.
103. FORE Trauma 101 - Fracture Care for the Community Orthopedist in Clearwater, FL.
“Femoral Shaft Fractures – Where Should I Start?”
“Tibial Shaft Fractures – IM Nail Entry Portals and Tricks.”
Lightning Round – OR Faculty Tips.
May 2017. **Moderator.** Lecturer. Lab Instructor.
104. FOT Pelvic Dissection Course in Tampa, FL.
“Anterior Intrapelvic Approach.”
“Lateral Window and ASIS Osteotomy.”
May 2017. Lecturer, Lab Instructor. **Course Director.**
105. FORE Orthopedics for the PCP and Rehab Therapist in Clearwater, FL.
“Commonly Missed Lower Extremity Fractures.”
July 2017. Lecturer.
106. Smith and Nephew Surgical Approaches for Internal Fixation Course in Memphis, TN.
Case Discussions.
August 2017. Moderator. Lab Instructor. **Couse Chairman.**
107. OTA Annual Meeting – Basic Science Focus Forum in Vancouver, Canada.
Pain Management Symposium.
“The Opioid Epidemic – Current Epidemiology and Extent of Our Problems.”
Oct 2017. Lecturer.
108. OTA Annual Meeting in Vancouver, Canada.
Breakout Symposium – Mental Health in Orthopaedic Trauma.
“Multi-Center Studies of Mental Health and Provider Interventions.”
Oct 2017. Lecturer.
109. OTA Annual Meeting in Vancouver, Canada.
Breakout Symposium – Femoral Neck Fractures in Young Adults.
“Clinical Outcomes.”
Oct 2017. Lecturer.
110. OTA Annual Meeting - Young Practitioners Forum in Vancouver, Canada.
“Financial Decision Making on the Job – It All Adds Up.”
Oct 2017. Lecturer.
111. OTA Annual Meeting in Vancouver, Canada.
Skills Lab.
“IMN Proximal Tibia Fractures.”
Oct 2017. Lab Instructor.

112. OTA Annual Meeting – Industry Session with Smith & Nephew in Vancouver, Canada.
Skills Lab.
“Pilon Fractures.”
Oct 2016. Lab Instructor.
113. IMANA Webinar – Applying to Residency
“Residency Application Tips for Surgical Specialties.”
Oct 2017. Lecturer.
114. AAOS Annual Fall Meeting in Dallas, TX.
Breakout Symposium – The Art of Leadership
“Leadership in Orthopaedics.”
Nov 2017. **Moderator.**
115. FORE Current Solutions in Orthopaedic Trauma in Tampa, FL.
“Intertrochanteric Femur Fractures.”
“Femoral Shaft Fractures.”
Nov 2017. Lecturer.
116. Smith and Nephew Advanced Surgical Approaches for Internal Fixation Course in Memphis, TN.
“Distal Femur Fractures.”
“Calcaneus Fractures.”
Dec 2017. Lecturer, Lab Instructor.
117. AAOS/OTA Combined Trauma Update Course in Chicago, IL.
“Complex Elbow Fractures.”
“Tibial Nailing.”
Dec 2017. Lecturer. Table Instructor. Lab Instructor.
118. Smith and Nephew Surgical Approaches for Internal Fixation Course in Memphis, TN.
Talus Fractures.
Feb 2018. Lecturer, Lab Instructor.
119. Smith & Nephew National Sales Meeting in Orlando, FL.
“Pilon Fractures.”
Feb 2018. Lecturer.
120. AAOS Annual Meeting in New Orleans, LA.
Resident Practice Management Symposium
“Workers’ Compensation 101.”
“Coding and Billing 101.”
Mar 2018. Lecturer. **Moderator. Course Co-Director.**
121. AAOS Annual Meeting in New Orleans, LA.
Faculty Development Program
“Culturally Considerations in Education and Patient Care”
Mar 2018. Lecturer. **Moderator.**
122. AAOS Annual Meeting in New Orleans, LA.
Instructional Course Lecture - Lower Extremity Fracture Reduction: Tips & Tricks for
Nails & Plates
“Distal Femur.”
Mar 2018. Lecturer. **Moderator.**
123. AAOS Annual Meeting in New Orleans, LA.
The Opioid Epidemic – America’s Addiction.
“The Opioid Epidemic – Current Epidemiology and Extent of Our Problem.”
Mar 2018. Lecturer.

124. AAOS Annual Meeting in New Orleans, LA.
Instructional Course Lecture - Antibiotic Stewardship Programs
"Orthopaedic Trauma Considerations"
Mar 2018. Lecturer.
125. AAOS Annual Meeting in New Orleans, LA.
Instructional Course Lecture - Periarticular Fractures of the Tibia:
The Case for Going Prone.
Mar 2018. Table Instructor.
126. OTA Specialty Day at AAOS Annual Meeting in New Orleans, LA.
"Patella Fractures."
Mar 2018. Lecturer.
127. AOA Annual Meeting in Boston, MA.
Opioid Addiction and Solutions
"Current Epidemiology and Extent of Our Problems."
June 2018. Lecturer.

Regional

128. Tennessee Trauma Symposium in Nashville, TN.
"Proximal Humerus Fractures."
"Talus Fractures."
Proximal Humerus Fracture Case Discussions.
Talus Fracture Case Discussions.
Nov 2011. **Moderator**, Lecturer.
129. SEFC Annual Meeting in Raleigh, NC.
"The Bicondylar Tibial Plateau Fracture."
"Approaches to Tibial Plateau."
Jan 2012. Lecturer, Lab Instructor.
130. Tennessee Trauma Symposium in Nashville, TN
"Talus Fractures."
Ankle Fracture Case Discussions.
Nov 2012. **Moderator**, Lecturer.
131. South East Trauma Symposium in Destin, FL.
"What is the current standard of care for talar neck fractures?"
"Proximal Humerus fractures – To Fix or Not and How?"
Lower Extremity Fracture Case Presentations
Aug 2013. **Moderator**, Lecturer.
132. Tennessee Trauma Symposium in Nashville, TN
"Dynamic Assessment of Pelvic Stability."
Nov 2013. Lecturer.
133. Tips of the Trade in Upper Extremity Surgery in Nashville, TN
9th Annual Vanderbilt Hand and Upper Extremity Conference
"Narcotic use and Doctor Shopping in Orthopedic Trauma Patients"
Mar 2014. Lecturer.
134. Tennessee Orthopaedic Trauma Symposium in Nashville, TN
"Impact of ICD-10."
"The Opioid Epidemic."
Nov 2014. **Course Co-Chairman**. Lecturer.

- 135. Florida Orthopaedic Society Annual Meeting in Orlando, FL.
"Periprosthetic Femur Fractures."
May 2016. Lecturer.
- 136. Smith & Nephew Regional Symposium in Orlando, FL.
"Complex Proximal Femoral Nailing."
"Hip Fracture Bundled Payment Models (SHFFT)."
Apr 2017. Lecturer.

Local

- 137. Hospital for Special Surgery Trauma Conference in New York, NY.
"Humeral Shaft Nonunions."
Oct 2002. Lecturer.
- 138. Campbell Clinic Clinicopathology Conference in Memphis, TN
"Liposarcoma."
Oct 2005. Lecturer.
- 139. Campbell Clinic Clinicopathology Conference in Memphis, TN.
"Chondromyxoid Fibroma."
Oct 2005. Lecturer.
- 140. Campbell Clinic Clinicopathology Conference in Memphis, TN.
"Calcifying Aponeurotic Fibroma."
Dec 2005. Lecturer.
- 141. Campbell Clinic Clinicopathology Conference in Memphis, TN.
"Hemangiomas."
Dec 2005. Lecturer.
- 142. Campbell Clinic Monday Night Meeting in Memphis, TN.
"Tumors of the Foot and Ankle."
May 2006. Lecturer.
- 143. Campbell Clinic Pediatric Service Meeting in Memphis, TN.
"Pediatric Cervical Spine Injuries."
Feb 2006. Lecturer.
- 144. Campbell Clinic Pediatric Service Meeting in Memphis, TN.
"Pediatric Lower Extremity Rotational Variation."
Feb 2006. Lecturer.
- 145. Campbell Clinic Foot and Ankle Conference in Memphis, TN.
"Peripheral Vascular Disease in Diabetes."
May 2006. Lecturer.
- 146. Campbell Foundation Board Meeting in Memphis, TN.
"A Resident's Perspective."
Jan 2007. Lecturer.
- 147. Campbell Clinic Monday Night Meeting in Memphis, TN.
"Orthopaedic Board Review - Trauma."
Mar 2007. Lecturer.

148. Campbell Clinic Monday Night Meeting in Memphis, TN.
"Orthopaedic Board Review - Trauma."
Aug 2007. Lecturer.
149. Campbell Clinic Monday Night Meeting in Memphis, TN.
"Orthopaedic Board Review - Trauma."
Mar 2008. Lecturer.
150. Campbell Clinic Ingram Memorial Lectureship in Memphis, TN.
"Factors Affecting Postoperative Alignment of Subtrochanteric Femur Fractures."
May 2008. Lecturer.
151. Vanderbilt University Kenneth Johnson Memorial Lectureship in Nashville, TN.
"Complex Ankle Fractures."
Ankle Fracture Case Discussions.
Nov 2010. **Moderator**, Lecturer.
152. Vanderbilt University Orthopaedic Trauma Fellows Conference in Nashville, TN.
"Proximal Humerus Fractures."
Nov 2010. Lecturer.
153. Vanderbilt University Orthopaedic Residents Conference in Nashville, TN.
"Proximal Humerus Fractures."
Nov 2010. Lecturer..
154. Vanderbilt University Orthopaedic Trauma Fellows Conference in Nashville, TN.
"Talus Fractures."
Dec 2010. Lecturer.
155. Vanderbilt University Orthopaedic Trauma Fellows Conference in Nashville, TN.
"Geriatric Fractures."
Jan 2011. Lecturer.
156. Vanderbilt University Orthopaedic Residents Conference in Nashville, TN.
"Geriatric Fractures."
Feb 2011. Lecturer.
157. Vanderbilt University Orthopaedic Residents Conference in Nashville, TN.
"Ballistic Fractures."
Apr 2011. Lecturer.
158. Vanderbilt University Orthopaedic Residents Conference in Nashville, TN.
"Talus Fractures."
June 2011. Lecturer.
159. Vanderbilt University Orthopaedic Residents Conference in Nashville, TN.
"Open Fractures."
July 2011. Lecturer.
160. Vanderbilt University/Smith and Nephew Mobilab in Nashville, TN.
July 2011. **Course Chairman**, Lecturer, Lab Instructor.
161. Vanderbilt University Kenneth Johnson Memorial Lectureship in Nashville, TN.
"Proximal Humerus Fractures."
Proximal Humerus Fracture Case Discussions.
Nov 2011. Moderator, Lecturer.

162. Vanderbilt University Medical School in Nashville, TN.
1st Year Clinical Preceptor.
Fall 2011. Faculty.
163. Vanderbilt University Medical School in Nashville, TN.
4th Year Orthopaedic Research Elective.
Fall 2011. Faculty.
164. Vanderbilt University Medical School in Nashville, TN.
2nd Year Orthopaedic Research Elective.
Fall 2011. Faculty.
165. Vanderbilt University Commons Seminar (Undergraduate) in Nashville, TN.
Healthcare in America: Where Have We Come From and
Where Are We Going?
Spring 2012. **Course Co-Director**. Lecturer.
166. Vanderbilt University Orthopaedic Residents Conference in Nashville, TN.
"Geriatric Fractures."
Jan 2012. Lecturer.
167. Vanderbilt University Orthopaedic Residents Conference in Nashville, TN.
"Fracture Conference."
Feb 2012. Moderator.
168. Vanderbilt University Orthopaedic Residents Conference in Nashville, TN.
"Ballistic Fractures."
June 2012. Lecturer.
169. Vanderbilt University Orthopaedic Residents Conference in Nashville, TN.
"Open Fractures."
July 2012. Lecturer.
170. Vanderbilt University Orthopaedic Residents Conference in Nashville, TN.
"Fracture Conference."
Aug 2012. Moderator.
171. Vanderbilt University Medical School in Nashville, TN.
4th Year Orthopaedic Research Elective.
Fall 2012. Faculty.
172. Vanderbilt University Orthopaedic Residents Conference in Nashville, TN.
"Talus Fractures."
Dec 2012. Lecturer.
173. Vanderbilt University Orthopaedic Residents Conference in Nashville, TN.
"Geriatric Fractures."
Feb 2013. Lecturer.
174. Vanderbilt University Orthopaedic Residents Conference in Nashville, TN.
"Proximal Humerus Fractures."
Apr 2013. Lecturer.
175. Vanderbilt University Neil Green Lectureship in Nashville, TN.
"Narcotic Use and Postoperative Doctor Shopping in the Orthopaedic Trauma
Population."
June 2013. Faculty Advisor.

176. Vanderbilt University Orthopaedic Residents Conference in Nashville, TN.
“Nailing of Complex Proximal Femoral Fractures.”
Jun 2013. Lecturer.
177. Vanderbilt University Orthopaedic Residents Conference in Nashville, TN.
“Open Fractures.”
July 2013. Lecturer.
178. Vanderbilt University Medical School in Nashville, TN.
4th Year Orthopaedic Research Elective.
Fall 2013. Faculty.
179. Vanderbilt University Orthopaedic Residents Conference in Nashville, TN.
“Fracture Conference.”
Aug 2013. Moderator.
180. Vanderbilt University Orthopaedic Residents Conference in Nashville, TN.
“Fracture Conference.”
Sep 2013. Moderator.
181. Vanderbilt University Orthopaedic Residents Conference in Nashville, TN.
“Ballistic Fractures.”
Nov 2013. Lecturer.
182. Vanderbilt University Orthopaedic Residents Conference in Nashville, TN.
“Talus Fractures.”
Dec 2013. Lecturer.
183. Vanderbilt University Orthopaedic Residents Conference in Nashville, TN.
“Geriatric Fractures.”
Feb 2014. Lecturer.
184. Vanderbilt University Orthopaedic Residents Conference in Nashville, TN.
“Proximal Humerus Fractures.”
Apr 2014. Lecturer.
185. Vanderbilt University Orthopaedic Residents Conference in Nashville, TN.
“Understanding International Systems of Health and Trauma Care.”
June 2014. Lecturer.
186. Vanderbilt University Orthopaedic Residents Conference in Nashville, TN.
“Open Fractures.”
July 2014. Lecturer.
187. Vanderbilt University Orthopaedic Residents Conference in Nashville, TN.
“Fracture Conference.”
Sep 2014. Moderator.
188. Vanderbilt University Orthopaedic Residents Conference in Nashville, TN.
“Distal Femur Fractures.”
November 2014. Lecturer.
189. Vanderbilt University Orthopaedic Residents Conference in Nashville, TN.
“Complex Elbow Fractures.”
February 2015. Lecturer.
190. Vanderbilt University Orthopaedic Residents Conference in Nashville, TN.
“Workers Compensation System.”
March 2015. Lecturer.

191. Vanderbilt University Orthopaedic Residents Conference in Nashville, TN.
"Proximal Humerus Fractures."
April 2015. Lecturer.
192. Vanderbilt University Orthopaedic Residents Conference in Nashville, TN.
"Open Fractures."
July 2015. Lecturer.
193. Vanderbilt University Orthopaedic Residents Conference in Nashville, TN.
"Emergent Treatment of Pelvic and Acetabular Fractures."
July 2015. Lecturer.
194. University of South Florida Orthopaedic Residents Conference in Tampa, FL.
"Basic Skills Lab – External Fixation."
August 2015. Lecturer. Lab Instructor.
195. University of South Florida Orthopaedic Residents Conference in Tampa, FL.
"Basic Skills Lab – Compartment Syndrome."
September 2015. Lecturer. Lab Instructor.
196. University of South Florida Orthopaedic Residents Conference in Tampa, FL.
"Polytrauma."
July 2016. Lecturer.
197. University of South Florida Orthopaedic Residents Conference in Tampa, FL.
"Pelvic Fractures."
July 2016. Lecturer.
198. University of South Florida Orthopaedic Residents Conference in Tampa, FL.
"Open Fractures."
July 2016. Lecturer.
199. University of South Florida Orthopaedic Residents Conference in Tampa, FL.
"Compartment Syndrome."
July 2016. Lecturer.
200. University of South Florida Orthopaedic Residents Conference in Tampa, FL.
"Anatomy Lab – Foot and Ankle Surgical Approaches."
August 2016. Lecturer. Lab Instructor.
201. University of South Florida Orthopaedic Residents Conference in Tampa, FL.
"Evaluation of the Trauma Patient."
August 2016. Lecturer.
202. University of South Florida Orthopaedic Residents Conference in Tampa, FL.
"Ballistic Extremity Fractures."
October 2016. Lecturer.
203. University of South Florida Orthopaedic Residents Conference in Tampa, FL.
"Basic Skills Lab – Compartment Syndrome."
February 2017. Lecturer. Lab Instructor.
204. University of South Florida Orthopaedic Residents Conference in Tampa, FL.
"Forearm Fractures."
March 2017. Lecturer.
205. University of South Florida Orthopaedic Residents Conference in Tampa, FL.
"Talus and Calcaneus Fractures."
March 2017. Lecturer.

206. University of South Florida Orthopaedic Residents Conference in Tampa, FL.
"Acetabular Fractures."
April 2017. Lecturer.
207. University of South Florida Orthopaedic Residents Conference in Tampa, FL.
"Pelvic Fractures."
April 2017. Lecturer.
208. University of South Florida Orthopaedic Residents Conference in Tampa, FL.
"Femoral Head Fractures."
June 2017. Lecturer.
209. University of South Florida Orthopaedic Residents Conference in Tampa, FL.
"Polytrauma."
July 2017. Lecturer.
210. University of South Florida Orthopaedic Residents Conference in Tampa, FL.
"Pelvic Fractures."
July 2017. Lecturer.
211. University of South Florida Orthopaedic Residents Conference in Tampa, FL.
"Open Fractures."
July 2017. Lecturer.
212. University of South Florida Orthopaedic Residents Conference in Tampa, FL.
"Compartment Syndrome."
July 2017. Lecturer.

INVITED LECTURER

International

1. Hokkaido University AOA Fellows Academic Program in Sapporo, Japan.
“Complex Proximal Femoral Nailing - What Can Be Nailed, What Should be Nailed, and Technical Pearls for Success.”
May 2014.
2. St Marianna University AOA Fellows Academic Program in Yokohama, Japan.
“Global Systems of Care: Understanding International Systems of Health and Trauma Care.”
May 2014.
3. Junsekei Lecture Meeting at Juntendo University in Yokohama, Japan.
“Narcotic use and postoperative doctor shopping in the U.S. orthopaedic trauma population.”
May 2014.
4. Kanazawa University Orthopaedic Grand Rounds in Kanazawa, Japan.
“Global Systems of Care: Understanding International Systems of Health and Trauma Care.”
May 2014.
5. Kyoto Orthopaedic Seminar at Kyoto University in Kyoto, Japan.
“Complex Proximal Femoral Nailing - What Can Be Nailed, What Should be Nailed, and Technical Pearls for Success.”
May 2014.
6. Nagasaki University AOA Fellows Academic Program in Nagasaki, Japan.
“Complex Proximal Femoral Nailing - What Can Be Nailed, What Should be Nailed, and Technical Pearls for Success.”
May 2014.

National

7. Marshall University Orthopaedic Grand Rounds in Huntington, WV.
“Culturally Competent Care.”
Apr 2012.
8. Temple University Orthopaedic Grand Rounds in Philadelphia, PA.
“Culturally Competent Care.”
“Subtrochanteric Femur Fractures.”
Sep 2012.
9. Campbell Clinic “Monday Night Meeting” Grand Rounds in Memphis, TN.
“Culturally Competent Care.”
Trauma case and Topic Review.
July 2014.
10. Baylor College of Medicine Orthopaedic Grand Rounds in Houston, TX.
“The Opioid Epidemic – Impact on Orthopaedic Surgery.”
“Complex Proximal Femoral Nailing.”
September 2014.

11. Beaumont Orthopaedics Grand Rounds in Detroit, MI.
“The Opioid Epidemic – Impact on Orthopaedic Surgery.”
“Complex Proximal Femoral Nailing.”
February 2015.
12. Willis C. Campbell Club Triennial Meeting in Memphis, TN.
“The Opioid Epidemic – Impact on Orthopaedic Surgery.”
September 2015.
13. University of South Florida Orthopaedic Grand Rounds in Tampa, FL.
“Complex Proximal Femoral Nailing.”
August 2015.
14. University of Washington Orthopaedic Grand Rounds in Seattle, WA.
“The Opioid Epidemic – Impact on Orthopaedic Surgery.”
January 2016.
15. Harvard University Orthopaedic Grand Rounds in Boston, MA.
“Tibial Nailing – Entry Portals and Reduction Techniques.”
“The Opioid Epidemic – Impact on Orthopaedic Surgery”
April 2017.
16. Henry Ford Health System Orthopaedic Grand Rounds in Detroit, MI.
“Tibial Nailing – Entry Portals and Reduction Techniques.”
“The Opioid Epidemic – Impact on Orthopaedic Surgery”
December 2017.

Regional

17. Orlando Regional Medical Center Orthopaedic Grand Rounds in Orlando, FL.
“The Opioid Epidemic – Impact on Orthopaedic Surgery.”
“Complex Proximal Femoral Nailing.”
March 2016.
18. Orlando Regional Medical Center Orthopaedic Grand Rounds in Orlando, FL.
“Tibial Nailing – Entry Portals and Reduction Techniques.”
“International Systems of Health Care and Trauma.”
December 2016.

Local

19. Vanderbilt University Orthopaedic Grand Rounds in Nashville, TN.
“Business of Orthopaedics 101.”
Jan 2013.
20. Vanderbilt University Orthopaedic Grand Rounds in Nashville, TN.
“Health Policy Review.”
Jan 2013.
21. Vanderbilt University Orthopaedic Grand Rounds in Nashville, TN.
“Culturally Competent Care.”
May 2013.

22. Vanderbilt University Orthopaedic Grand Rounds in Nashville, TN.
"The 2014 AOA/JOA Travelling Fellowship."
October 2014.
23. Vanderbilt University Orthopaedic Grand Rounds in Nashville, TN.
"ICD-10 and Orthopaedic Surgery."
April 2015.
24. University of South Florida Orthopaedic Grand Rounds in Tampa, FL.
"Ankles, Pylons, and Calcs... Oh My!."
April 2016.
25. University of South Florida Orthopaedic Grand Rounds in Tampa, FL.
"The Opioid Epidemic – Impact on Orthopaedic Surgery."
July 2016.
26. University of South Florida Orthopaedic Grand Rounds in Tampa, FL.
"Distal Femoral Fractures."
August 2016.
27. University of South Florida Orthopaedic Grand Rounds in Tampa, FL.
"Orthopaedic Urgencies."
October 2016.
28. University of South Florida Vascular Surgery Grand Rounds in Tampa, FL.
"Combined Orthopaedic and Vascular Extremity Injuries."
March 2017.
29. University of South Florida Orthopaedic Grand Rounds in Tampa, FL.
"Workers Compensation."
June 2017.