

Degrees

2017, Franklin D. Dickson Professor of Orthopaedic Surgery, University of Missouri Kansas City

2012, Joint Appointment Associate Professor Department of Biomechanical and Civil Engineering, University of Missouri-Kansas City

2012, Franklin D. Dickson Associate Professor of Orthopaedic Surgery, University of Missouri Kansas City

2008, Assistant Professor of Orthopaedic Surgery, UMKC

2005, Orthopaedic Surgeon, Hacettepe University Department of Orthopaedics, Ankara, Turkey

1999, Doctor of Medicine M.D., Hacettepe University Faculty of Medicine, Ankara, Turkey

Employment History

2014-, Adjunct Professor Orthopaedics, UMKC

2008-, Orthopaedic Surgeon, University Health Physicians

2007-2008, Clinical Fellow- Sports Medicine, Children's Hospital Boston-Harvard Medical School, Boston, MA

2006-2007, Clinical Fellow- Upper Extremity Reconstruction, Mayo Clinic, Rochester, MN

2005-2006, Clinical Fellow- Lower Extremity Reconstruction, Baylor College of Medicine, Houston, TX

1999-2005, Orthopaedic Residency, Hacettepe University Ankara, Turkey

Professional License/Membership

AAOS Board of Councilors, March 11, 2018-

American Board of Orthopaedic Surgery, Board Certified, July 28, 2016

American Shoulder and Elbow Surgeons (ASES), Active Member, October 11, 2014-

Turkish Orthopaedic Surgery Board, Board Certified, November 25,

Missouri State Orthopedic Association Immediate Past-President, April 1, 2017-

Missouri State Orthopedic Association President, April 11, 2015-April 1, 2017

Missouri State Orthopaedic Association President Elect, April 12, 2013 – April 10, 2015

Mid-America Orthopaedic Association Participating Member, March 26, 2013

European Shoulder and Elbow Society (SECEC-ESSSE), September 15, 2011

Missouri State Orthopaedic Association Member, May 21, 2010

American Association of Orthopaedic Surgeons Fellow, February 15, 2010

American Orthopaedic Society for Sports Medicine, July 10, 2008–July 1, 2012

Missouri Board of Healing Arts (#2008018934), July 1, 2008

Mayo Clinic Alumni, September 1, 2007

Mayo Clinic Orthopaedic Alumni, September 1, 2007

Commonwealth of Massachusetts Board of Registration in Medicine (#231216), August 1, 2007 – July 31, 2008

Mayo Elbow Club, May 17, 2007

Minnesota Board of Medical Practice-Residency Permit (#18976), July 29, 2006 – July 27, 2007

Texas State Board of Medical Examiners-Physician in Training (#BP10023538), August 1, 2005 – July 31, 2006

Republic of Turkey, Diploma of Orthopaedic Residency (#66775-93992), June 16, 2005

ECFMG (# 0-654-967-9), March 4, 2005

Republic of Turkey, Doctor of Medicine (#99-392-137), June 30, 1999

Honors & Awards

Truman Medical Center Applause, Jan 31, 2018

Excellent Teaching Award Recognition, Internal Medicine Rotating Residents, January 1, 2013

Paul W. Meyer Award Best Orthopaedic Teacher Award, April 27, 2012

Truman Medical Center Applause, September 21, 2011

Truman Medical Center Applause, May 26, 2011

Truman Medical Center Applause, April 15, 2009

Marquis Who's Who Publications Board, 2009

7th International Congress on Spinal Surgery, Best Paper Award, April 2005

Prof. Dr. Munir Ahmet Sarpyener Best Post-Doctoral Thesis Award, 2005

VAKSA Foundation High Academic Success Scholarship from 1993 to 1999

The Scientific and Technical Research Council of Turkey High Academic Success Scholarship from 1993 to 1999.

Test Teknik Learning Center High Academic Success Scholarship from 1993 to 1996.

Ihsan Dogramaci Foundation High Academic Success Award and Prize, 1993

Grants

Stryker Inc. "Initial fixation of reverse shoulder replacements on different glenoid bone defects", awarded, contract phase, \$37,454.00 Principal Investigator

Franklin D. Dickson Endowment, UMKC, \$150,000.00, January 1, 2016 – December 31, 2018, Principal Investigator

Franklin D. Dickson Endowment, UMKC, \$300,000.00, January 1, 2013 – December 31, 2015, Principal Investigator

Sarah Morrison Student Research Award, Vijit Chouhan, \$1,500.00, May 1, 2014- April 30, 2016, Mentor

Subject Specific Concurrent Simulation of Movement and Natural Knee Contact Mechanics, National Institutes of Health, National Institute of Arthritis and Musculoskeletal and Skin Diseases, \$444,150.00, August 1, 2011 – July 31, 2014, Co-PI

Computational Modeling of the Elbow Joint, UMKC Department of Orthopaedics, \$80,000.00, June 1, 2011 – June 30, 2012, Co-PI

Publications

Book Chapter

1. **Cil A**, Shaw C, Micheli LJ. Upper Extremity and Trunk Injuries. In Oxford Textbook of Children's Exercise Science and Medicine 2017. Oxford University Press. Ed. Armstrong M, van Mechelen W.
2. **Cil A**, Morrey BF. The synovectomy of the elbow. Morrey's The Elbow and Its Disorders 2017. Elsevier. Ed. Morrey BF, Sanchez-Sotelo J, Morrey ME.
3. **Cil A**. Total elbow arthroplasty for distal humerus nonunion. Morrey's The Elbow and Its Disorders 2017. Elsevier. Ed. Morrey BF, Sanchez-Sotelo J, Morrey ME.
4. Eggers J, **Cil A**. Shoulder Anatomy and Biomechanics of the Rotator Interval. In Sports Injuries: Prevention, Diagnosis, Treatment and Rehabilitation 2015. Springer. Ed. Doral MN and Karlsson J.
5. Kamaci S, **Cil A**. Different Surgical Techniques in Elbow Fractures. In Sports Injuries: Prevention, Diagnosis, Treatment and Rehabilitation 2015. Springer. Ed. Doral MN and Karlsson J.
6. **Cil A**. Arthroscopic Treatment of Elbow Stiffness. In Arthroscopy of Shoulder and Elbow 2012. Baycinar Medical Publishing. Ed. Akpinar S.
7. Fox TJ, **Cil A**, Veillette CJH, Cofield RH, Sperling JW. Mayo Clinic Joint

Registry Analysis of Shoulder Arthroplasty. In Revision and Complex Shoulder Arthroplasty 2009. LWW. Ed. Cofield RH, Sperling JW.

8. **Cil A**, Micheli LJ. Spondylolysis. In Orthopaedic Knowledge Update: Sports Medicine 4 2009. AAOS. Ed. Kibler B.
9. **Cil A**, Micheli LJ, Kocher MS. Upper Extremity and Trunk Injuries. In Paediatric Exercise Science and Medicine 2008. Oxford University Press. Ed. Armstrong M, van Mechelen W.
10. Morrey BF, **Cil A**. Synovectomy of the Elbow. In The Elbow and Its Disorders 2008. Elsevier Health Sciences. Ed. Morrey BF.

Manuscripts

1. Garrigues et al. Proceeding from 2018 International Consensus Meeting on Orthoedic Infections: Management of periprosthetic shoulder infection. J Shoulder Elbow Surg 2019;28(6S):S67-S99.
2. Garrigues et al. Proceeding from 2018 International Consensus Meeting on Orthoedic Infections: Management of periprosthetic shoulder infection. J Shoulder Elbow Surg 2019;28(6S):S32-S66.
3. Karademir G, Bachman D, Stylianos A, **Cil A**. Posteromedial Rotatory Incongruity Of The Elbow: A Computational Kinematics Study. Journal of Shoulder and Elbow Surgery 2019: 2019;28:371-380
4. Merlet MC, Vaichinger A, **Cil A**, O'Driscoll SW. Long term outcome of custom triflange outrigger ulnar component in revision total elbow arthroplasty. Journal of Shoulder and Elbow Surgery 2018;27:2045-2051.
5. Rahman M, **Cil A**, Stylianos AP. Medial collateral ligament deficiency of the elbow joint: A computational approach. Bioengineering 2018;5:pil:E84
6. Rahman M, Renani MS, **Cil A**, Stylianos AP. Musculoskeletal model development of the elbow joint with an experimental evaluation. Bioengineering 2018;5(2). Pil:E31.
7. Renani MS, Rahman M, **Cil A**, Stylianos AP. Calibrating Multibody Ulna-Humeral Joint Cartilage Using a Validated Finite Element Model. Multibody System Dynamics 2018: <https://doi.org/10.1007/s11044-018-9622-y>

8. Barnes J, Chouhan V, Egekeze N, Rinaldi C, **Cil A**. Annular Ligament-Revisited. *Journal of Shoulder and Elbow Surgery* 2018;27:e16-e19.
9. Renani MS, Rahman M, **Cil A**, Stylianou AP. Ulna-Humerus contact mechanics: Finite element analysis and experimental measurements using a tactile pressure sensor. *Med Eng Phys* 2017;50:22-28.
10. Tarakji B, **Cil A**, Butin RE, Bernhardt M. Adverse Effects of Smoking on Musculoskeletal Health. *Missouri Medicine* 2017;114; 268-71.
11. Kantamneni A, **Cil A**, Treece B, Bernhardt M. The economic impact of the orthopaedic related services industry in Missouri. *Missouri Medicine* 2017;114;260-265.
12. Rangarajan R, Papandrea R, **Cil A**. Trending in Orthopedics: Elbow hemiarthroplasty versus Total Elbow Replacement in Distal Humerus Fractures. *Orthopedics* 2017;40:13-23
13. Bachman D, **Cil A**. Current Concepts in Elbow Arthroplasty. *EFORT Open Rev.* 2017;2:83-88.
14. Kiburz D, **Cil A**. Orthopaedic Impact Study Pays Dividends to Missouri Economy. *AAOS Now*, May 2016.
15. Bogener JW, Bernhardt M, **Cil A**. New Paradigms in Orthopedic Education. *Orthopedics* 2016; 39(4).
16. Rahman M., **Cil A**., Stylianou A., "Lateral collateral ligament deficiency of the elbow joint: A modeling approach", *Journal of Orthopaedic Research*, 2016. DOI: 10.1002/jor.23165.
17. Rahman M., **Cil A**., Stylianou A., "Prediction of elbow joint contact mechanics in the multibody framework", *Medical Engineering and Physics*, 2016. 38(3):p.257-66
18. Ellsworth HS, Dubin JR, Shaw CM, Alongi SM, **Cil A**. Safety of single versus 2 incision technique for fixation of tibial plateau fractures. *Current Orthopaedic Practice*, 2016;27(4);351-4.
19. Colanese J, Egekeze N, Lankachandra K, Kotwal S, **Cil A**. Extraarticular synovial chondromatosis mimicking synovial hemangioma due to pressure effect, a case report. *J Orthop Case Rep.* 2016;6(4):88-91.

20. Kamaci S, Doral MN, Ergen FB, Yucekul A, **Cil A**. Lipoma Arborescens of the knee. *Knee Surgery, Sports Traumatology, Arthroscopy* 2015;23:2196-2201.
21. Rahman M, **Cil A**, Johnson M, Lu Y, Guess TR. Development and Validation of a Computational Multibody Model of the Elbow Joint. *Journal of Advances in Biomechanics & Applications* 2014;1:169-185.
22. **Cil A**, Butin RE, Bernhardt M. The Cost of Smoking, *Orthopaedics* 2014;37:366-8.
23. **Cil A**, Sperling JW, Cofield RH. Non-standard glenoid components for bone deficiencies in shoulder arthroplasty. *Journal of Shoulder and Elbow Surgery* 2014;23:149-157.
24. Giuseffi SA, Wongtriratanachai P, Omae H, **Cil A**, Zobitz ME, An KN, Sperling JW, Steinman SP. Biomechanical comparison of lesser tuberosity osteotomy versus subscapularis tenotomy in total shoulder arthroplasty. *Journal of Shoulder and Elbow Surgery* 2012; 21:1087-95.
25. **Cil A**, An KN, O'Driscoll SW. Custom triflange outrigger ulnar component in revision total elbow arthroplasty. *Journal of Shoulder and Elbow Surgery* 2011;20:192-8.
26. Jackson JD, **Cil A**, Smith J, Steinmann SP. Integrity and Function of the Subscapularis after Total Shoulder Arthroplasty. *Journal of Shoulder and Elbow Surgery* 2010;19:1085-1090.
27. Yu E, **Cil A**, Harmsen WS, Schleck C, Sperling JW, Cofield RH. Arthroscopy and the dramatic increase in frequency of anterior acromioplasty from 1980 to 2005: an epidemiologic study. *Arthroscopy* 2010;26: s142-147.
28. **Cil A**, Kocher MS. Treatment of Pediatric Shoulder Instability. Review. *Journal of Pediatric Orthopaedics* 2010;30:S3-6
29. **Cil A**, Veillette CJ, Sanchez-Sotelo J, Sperling JW, Schleck CD, Cofield RH. Survivorship of the Humeral Component in Shoulder Arthroplasty. *Journal of Shoulder and Elbow Surgery*, 2010; 19:143-50

30. Kaya D, Atay OA, Callaghan MJ, **Cil A**, Caglar O, Citaker S, Yuksel I, Doral MN. Hallux Valgus in Patients with Patellofemoral Pain Syndrome, Knee Surgery Sports Traumatology Arthroscopy 2009; 17:1364-7.
31. Fox TJ, **Cil A**, Sperling JW, Sanchez-Sotelo J, Schleck CD, Cofield RH. Survival of the glenoid component in shoulder arthroplasty. Journal of Shoulder and Elbow Surgery 2009; 18:859-63.
32. **Cil A**, Merten S, Steinmann SP. Immediate Active Range of Motion after Modified Two Incision Repair in Acute Distal Biceps Tendon Repair. American Journal of Sports Medicine 2009;37:130-5.
33. **Cil A**, Veillette CH, Sperling JW, Schleck C., Cofield RH. Revision of the Humeral Component due to Aseptic Loosening after Shoulder Replacement Surgery. Journal of Bone and Joint Surgery Br 2009; 91:75-81.
34. **Cil A**, Veillette CH, Sanchez-Sotelo J, Morrey BF. Linked Elbow Replacement: A Salvage Procedure for Distal Humeral Nonunion. Journal of Bone and Joint Surgery Am 2008; 2008: 1939-50.
35. Alanay A, Pekmezci M, Acaroglu E, Yazici M, Karaeminogullari O, **Cil A**, Pijnenburg B, Genc Y, Surat A. Radiographic Measurement of the Sagittal Plane deformity in Patients with Osteoporotic Spinal Fractures: Evaluation of Intrinsic Error. European Spine Journal 2007; 16:2126-32.
36. Bardakos NV, **Cil A**, Thompson B, Stock GW. Mechanical Axis Cannot Be Restored in Total Knee Arthroplasty with a Fixed Distal Valgus Resection Angle. A Radiographic Study. Journal of Arthroplasty 2007;22:85-9.
37. Doral MN, Uzumcugil A, Bozkurt M, Atay OA, **Cil A**, Lelebicioglu G, Tetik O. Arthroscopic treatment of synovial chondromatosis of the ankle. Case report. Journal of Foot and Ankle Surgery 2007; 46:192-5
38. Yazici M, Pekmezci M, **Cil A**, Alanay A, Acaroglu E., Oner FC. The effect of pedicle expansion on pedicle morphology and biomechanical stability in the immature porcine spine. Spine 2006;31:E826-9.

39. **Cil A**, Pekmezci M, Yazici M, Acaroglu RE, Alanay A, Deviren V, Surat A. The validity of Lenke's Criteria for Defining Structural Proximal Thoracic Curves in Patients with Adolescent Idiopathic Scoliosis., *Spine* 2005; 30:2550-5.
40. Alanay A, **Cil A**, Berk H, Uzumcugil A, Akarcali O, Acaroglu RE, Yazici M, Kosay C, Genc Y, Surat A. Reliability and Validity of Adapted Turkish Version of ScoliosisResearch Society-22 (SRS-22) Questionnaire. *Spine* 2005;30: 2464-8.
41. **Cil A**, Atay AO, Aydingoz U, Tetik O, Gedikoglu G, Doral MN. Bilateral Lipoma Arborescens of the Knee in a Child. Case report. *Knee Surgery Sports Traumatology Arthroscopy* 2005; 13: 463-7.
42. **Cil A**, Yazici M, Daglioglu K, Aydingoz U, Alanay A, Acaroglu RE, Gulsen M, Surat A. The Effect of Pedicle Screw Placement with or without Compression on the Morphology of the Spinal Canal and Pedicle in Immature Pigs. *Spine* 2005; 30: 1287-93.
43. Aykut US, Yazici M, Gedikoglu G, Kandemir U, **Cil A**, Aksoy MC, Surat A. The effect of temporary hemiepiphysiodesis on tibial growth. A radiological and immunohistochemical study on rabbits. *Journal of Pediatric Orthopaedics* 2005; 25:336-41.
44. **Cil A**, Yazici M, Uzumcugil A, Kandemir U, Alanay Y, Alanay A, Acaroglu E Surat A. The evolution of sagittal segmental alignment of the spine during childhood. , *Spine* 2005; 30:93-100.
45. Akgun R, Yazici M, Aksoy MC, **Cil A**, Alpaslan M, Tumer Y. The Accuracy and Reliability of Estimation of Lateral Pillar Height in Determining the Herring Grade in Legg-Calve-Perthes Disease. *Journal of Pediatric Orthopaedics* 2004;24:651-53.
46. Uzumcugil A, **Cil A**, Yazici M, Acaroglu RE, Alanay A, Aksoy MC, Surat A. Convex Growth Arrest in the Treatment of Congenital Spinal Deformities: Revisited. *Journal of Pediatric Orthopaedics* 2004;24:658-66.
47. **Cil A**, Atilla B. Failure of an uncemented non-porous metal-backed

prosthesis with augmentation using impacted allograft for acetabular revision: 12 to 17-year results□ by Jeffery et al. in Volume 85 (B), March 2003, number 2; 182-6, Journal of Bone and Joint Surgery Br 2004; 86:1089.

48. **Cil A**, Yazici M, Alanay A, Acaroglu , Surat A. Re: Ruf M, Harms J. Posterior hemivertebra resection with transpedicular instrumentation: early correction in children aged 1 to 6 years. Spine. 2003;28:2132-8., Spine 2004; 29:1593-94
49. **Cil A**, Uzumcugil A, Yazici M, Alanay A, Acaroglu E, Surat A. The course of sagittal plane abnormality in the patients with congenital scoliosis managed with convex growth arrest. Spine, 2004;29:547-553.
50. Alanay A, **Cil A**, Acaroglu RE, Caglar O, Akgun R, Marangoz S, Yazici M, Surat A. Late spinal cord compression caused by pulled-out thoracic pedicle screws: a case report., Spine 2003; 28:506-10
51. Uzumcugil A, **Cil A**, Yazici M, Acaroglu E, Alanay A, Akalan N, Ozisik P, Surat A. The efficacy of convex hemiepiphysiodesis in patients with iatrogenic posterior element deficiency due to diastematomyelia excision. Spine 2003; 28:799-805
52. Oznur A, Doral MN, **Cil A**, Atay AO, Tetik O. Morton's Neuroma, Acta Orthopaedica et Traumatologica Turcica 2002;36:82-6.

Manuscripts Under Review:

1. Renani MS, Parman JM, Rahman M, **Cil A**, Stylianou AS. Simulating elbow injury due to fall on an outstretched hand: A multibody analysis. Submitted to Bioengineering.
2. **Cil A**, Suenghwan J, O'Driscoll SW, Sanchez-Sotelo J, Morrey BF. Bilateral simultaneous versus staged total elbow arthroplasty. Manuscript preparation phase for Journal of Bone and Joint Surgery.

Ongoing Research

1. **Cil A**, Michaelson J, Bombosch S, Nelso A, Viscardi D. Reverse Shoulder Baseplate Compression as Function of Applied Center Screw Torque.
2. **Cil A**, Michaelson JE, Bombosch S, Kemp P, Viscardi D. Humeral Head Sizes for Total Shoulder Arthroplasty as determined via Three-Dimensional Analysis of CT Scans.
3. **Cil A**. Lateral Epicondylitis Intraarticular versus Intralesional Injection Efficacy. Randomized Controlled Trial. Data collection phase.
4. Hiatt S, Witham J, **Cil A**. Proximal biceps anatomic relationships. An MRI study. Data collection phase.
5. Hiatt S, **Cil A**. Results of subpectoral biceps tenodesis and comparison of strength to contralateral shoulder. A retrospective study. Data collection phase.
6. Sauer B, **Cil A**. Spontaneous dissolution of posttraumatic elbow heterotopic ossification. A case report. Manuscript preparation phase.
7. Lewis M, Sauer B, **Cil A**. Operative treatment of adhesive capsulitis, a randomized controlled trial. Data collection phase.
8. Church D, Egekeze N, **Cil A**, Bernhardt M, Dubin J. Shared Decision Making: Evaluating Patient Comprehension of an Orthopaedic Related Smoking Cessation Discussion in the Postoperative Period. Data collection phase.
9. Egekeze N, **Cil A**, Bogener J, Bernhardt M, Dubin J Shared Decision Making: Evaluating Patient Comprehension of an Orthopaedic Related Smoking Cessation Discussion Follow-Up Study (Outpatient) Data collection phase.

Presentations and Conferences

Invited Lectures

1. "Nonoperative management of proximal humerus fractures" AAOS Instructional Course Lectures, March 15, 2019.
2. "Management of Humeral Shaft Fractures", Upper Extremity Trauma Course March 1, 2019, Tampa, FL.
3. "Reverse Shoulder Arthroplasty Complications", Shoulder Arthroplasty Masters Course, Sep 13-14, 2018, NY, NY.
4. "Superior Capsule Reconstruction", Biannual Turkish Shoulder and Elbow Society Meeting, March 21-24, 2018, Ankara, Turkey.
5. "Elbow Ligament Repair". Biannual Turkish Shoulder and Elbow Society Meeting, March 21-24, 2018, Ankara, Turkey.
6. "Subscapularis Tendon Management". Biannual Turkish Shoulder and Elbow Society Meeting, March 21-24, 2018, Ankara, Turkey.
7. "Shoulder Replacement: Primary to Reverse". University of Toledo Medical Center, March 19, 2018.
8. "Revision Shoulder Replacement". Current Concepts in Shoulder Arthroplasty, A Cadaver Based Course Feb 24, 2018, Tampa, FL.
9. "Shoulder Replacement Tips and Tricks" Grand Rounds, Southern Illinois University, Aug 21, 2017, Springfield, IL.
10. "Reverse Shoulder Replacement Surgical Technique" Current Concepts in Shoulder Arthroplasty, A Cadaver Based Course, July 22, 2017, Mahwah, NJ.
11. "Surgical Technique of Reverse Shoulder Replacement in the setting of fracture" Southeast Shoulder Master Symposium, June 23, 2017, Nashville, TN.
12. "Complex Cases: Shoulder Replacement" Southeast Shoulder Master Symposium, June 22-23, 2017, Nashville, TN.

13. "Total Shoulder Replacement-Exposure and Surgical Technique" Current Concepts in Shoulder Arthroplasty, A Cadaver Based Course, May 19, 2017, Las Vegas, NV.
14. "Distal Humerus Fractures-Management" Shoulder and Elbow Fracture Management, A Cadaver Based Course, May 20, 2017, Las Vegas, NV.
15. "Reverse Shoulder Replacement for Proximal Humerus Fractures" Shoulder and Elbow Fracture Management, A Cadaver Based Course, May 20, 2017, Las Vegas, NV.
16. "Massive Rotator Cuff Tear Management: Superior Capsule Reconstruction" Missouri State Orthopedic Association Annual Meeting, April 1, 2017, St Louis, MO.
17. "Case Based Discussion: Shoulder Replacement" Stryker National Sales Meeting, Jan 19, 2017, Dallas, TX.
18. "Shoulder Replacement: From Primary to Reverse" A cadaver based course. Dec 9, 2016, Phoenix, AZ.
19. "Glenoid Exposure in Shoulder Replacement Surgery", Current Concepts in Shoulder Replacement: A Cadaver based course, July 22, 2016, Las Vegas, NV
20. "Glenoid bone preservation in primary shoulder replacements", San Diego Shoulder Course, June 24, 2016, San Diego, CA.
21. "Basics of Shoulder Replacement from Primary to Reverse", Grand Rounds Mount Sinai West Residency, June 9, 2016, New York, NY.
22. "Surgical Technique for Primary Shoulder Replacements", Current Concepts in Shoulder Replacement: A Cadaver based course, May 13, 2016, Las Vegas, NV
23. "Osteosynthesis in distal humerus fractures", 9th Congress of Shoulder and Elbow Surgery, March 24, 2016, Adana, Turkey.
24. "Ligament reconstruction in elbow instability", 9th Congress of Shoulder and Elbow Surgery, March 24, 2016, Adana, Turkey.

25. "Open Column Procedure for Elbow Stiffness", 9th Congress of Shoulder and Elbow Surgery, March 24, 2016, Adana, Turkey
26. "Primary Shoulder Replacement Design Principles", Current Concepts in Shoulder Replacement: A Cadaver Course, March 19, 2016, Tampa, FL.
27. "Subscapularis Management for Shoulder Arthroplasty", Stryker Glenoid Exposure Cadaver Course, March 18, 2016, Tampa, FL.
28. "Arthroscopic Rotator Cuff Repair-Pearls and Pitfalls", Biomet Surgical Skills Lab, May 9, 2015, Overland Park, KS.
29. "Arthroscopic Approach to Shoulder Instability", Biomet Surgical Skills Lab, May 9, 2015, Overland Park, KS.
30. "Reverse Shoulder Replacement-Indications and Technique," Shoulder Replacement Course Stryker, April 8, 2015, Houston, TX.
31. "Total Shoulder Replacement-Exposure and Surgical Technique," Shoulder Replacement Course Stryker, February 28, 2015, Tampa, FL.
32. "Reverse Shoulder Replacement-Indications and Technique," Shoulder Replacement Course Stryker, February 28, 2015, Tampa, FL.
33. "Reverse Shoulder Arthroplasty for Proximal Humerus Fractures," Shoulder and Elbow Trauma Course Stryker, February 27, 2015, Tampa, FL.
34. "Management of Proximal Humerus Fractures-Nonarthroplasty Options," Shoulder and Elbow Trauma Course Stryker, February 27, 2015, Tampa, FL.
35. "Total Shoulder Replacement-Exposure and Surgical Technique," Shoulder Replacement Course Stryker, January 10, 2015, Las Vegas, NV.
36. "Bone Loss in Shoulder Instability," 44th Annual Meeting of Missouri State Orthopaedic Association, April 6, 2014, Kansas City, MO.
37. "Reconstruction of the Ligamentous Injuries of the Elbow," 8th Congress of Shoulder and Elbow Surgery, March 22, 2014, Izmir, Turkey.

38. "Management of Distal Biceps and Triceps Injuries," 8th Congress of Shoulder and Elbow Surgery, Izmir, March 22, 2014, Turkey.
39. "Management of Post-traumatic Stiff Elbow," 8th Congress of Shoulder and Elbow Surgery, March 21, 2014, Izmir, Turkey.
40. "Common Problems in Geriatric Distal Humeral Fractures and Solutions," 8th Congress of Shoulder and Elbow Surgery, March 20, 2014, Izmir, Turkey.
41. "Primary Shoulder Replacement: Basics Not Much Talked About " Michigan State University Statewide Campus Orthopaedic Lectures, December 11, 2013, Detroit, MI.
42. "Elbow arthroplasty in posttraumatic arthritis," Federation of European Societies for Surgery of the Hand Annual Meeting, May 31, 2013, Antalya, Turkey.
43. "Management of Elbow Fractures and Dislocations," 43rd Annual Meeting of Missouri State Orthopaedic Association, May 19, 2012, St. Louis, MO.
44. " Long term follow up and causes of loosening in Shoulder Arthroplasty," 7th Congress of Shoulder and Elbow Surgery, March 24, 2012, Istanbul, Turkey.
45. "Management of MCL Injuries of the Elbow," 7th Congress of Shoulder and Elbow Surgery, March 23, 2012, Istanbul, Turkey.
46. "Arthroscopic Management of the Stiff Elbow," 42nd Missouri State Orthopaedic Association Meeting, May 21, 2011, Kansas City, MO.
47. "Unicondylar Knee Replacement- Surgical technique," 10th Sports Traumatology, Arthroscopy and Knee Surgery Biannual Meeting, October 15, 2010, Antalya, Turkey.
48. "Management of Common Elbow Problems," Family Practice Grand Rounds, September 29, 2010, Lee's Summit, MO.
49. "Management of Common Shoulder Problems," Family Medicine Grand Rounds, September 1, 2010, Lee's Summit, MO.

50. "Management of Elbow Fracture-Dislocations," 41st Annual Missouri State Orthopaedic Association Meeting, May 2, 2010, Kansas City, MO.
51. "Management of Medial Collateral Ligament Injuries," 6th Congress of Shoulder and Elbow Surgery, March 27, 2010, Ankara, Turkey.
52. "Arthroscopic Management of the Stiff Elbow," 6th Congress of Shoulder and Elbow Surgery, March 27, 2010, Ankara, Turkey.
53. "Arthroscopic Management of Stiff Elbow," 5th Congress of Shoulder and Elbow Surgery, March 28, 2008, Adana, Turkey.

Podium Presentations.

1. "Cartilage Contact Stiffness Effects on Contact Pressure and Area at the Elbow Joint" Summer Biomechanics, Bioengineering, and Biotransport Conference, June 25-28, 2019, Seven Springs, PA.
2. "Humeral Head Location and Orientation for Total Shoulder Arthroplasty as determined via Three-Dimensional Analysis of CT Scans" ORS Annual Meeting, Feb 2-5, 2019, Austin, TX.
3. "Posteromedial Rotatory Incongruity Of The Elbow: A Computational Kinematics Study." ASES Annual Meeting, Oct 13, 2017, New Orleans, LA.
4. "Material Sensitivity Analysis Of Elbow Joint Cartilage Parameters In A Finite Element Model." Summer Biomechanics, Bioengineering and Biotransport Conference, June 23, 2017, Tucson, AZ
5. "Muscle Driven Elbow Joint Simulation in a Multibody Framework." Summer Biomechanics, Bioengineering and Biotransport Conference, June 23, 2017, Tucson, AZ
6. "Ulna-humerus contact mechanics: Multibody approach using a finite element model and experimental measurements", 40th Annual Meeting of the American Society of Biomechanics, August 2-5, 2016, Raleigh, NC.
7. "Annular ligament anatomy-Revisited". 13th ICSES meeting, May 18-20

,2016 Jeju, S. Korea.

8. "Development of a Comprehensive Orthopedic Surgical Skills Curriculum." MAOA Annual Meeting, April 13-16, 2016, Bonita Springs, FL.
9. "Early versus delayed operative treatment of low-energy tibial plateau fractures", Clinical Orthopaedic Society Annual Meeting, September 24-26, 2015, New York, NY.
10. "Annular ligament anatomy-Revisited". AAOS Annual Meeting, March 1-5, 2016, Orlando, FL.
11. "Annular ligament anatomy-Revisited". MAOA Annual Meeting, April 13-16, 2016, Bonita Springs, FL.
12. "Prediction of elbow joint contact pressures in the multibody framework", Summer Biomechanics, Bioengineering and Biotransport Conference, 6-17-2015 Snowbird Resort, Utah, USA
13. "Simulating contact mechanics of an anatomical elbow joint", Math and Stats Research Day, University of Missouri-Kansas City, May 2015, Kansas City, MO
14. "Prediction Of Elbow Joint Contact Pressures In The Multibody Framework", 2015 Summer Biomechanics, Bioengineering and Biotransport Conference, June 17, 2015, Snowbird, UT.
15. "Single-Stage Bilateral Total Elbow Arthroplasty is Safe, Reliable, and Cost-Effective in Rheumatoid Arthritis" Mid America Orthopaedic Association 33rd Annual Meeting, April 22, 2015, Hilton Head Island, SC.
16. "Single-Stage Bilateral Total Elbow Arthroplasty is Safe, Reliable, and Cost-Effective in Rheumatoid Arthritis" AAOS Annual Meeting, March 26, 2015, Las Vegas, NV.
17. "Bilateral Simultaneous Total Elbow Arthroplasty in Inflammatory Arthritis," 23rd Congress of the European Society for Surgery of the Shoulder and Elbow, Akin Cil, September 14, 2011, Lyon, France.
18. "Reconstruction of the proximal humerus for bone neoplasm using an

anatomic shoulder prosthesis" 11th International Conference on Surgery of the Shoulder, September 5, 2010, Edinburgh, Scotland.

19. "Triflange ulnar component in total elbow arthroplasty" 7th Biennial AAOS/ASES Shoulder & Elbow Course, April 15, 2010, Aventura, FL.
20. "Subscapularis tendon reconstruction in Total Shoulder Arthroplasty: Biomechanical evaluation," American Shoulder and Elbow Surgeons 2008 Closed Meeting, September 3, 2008, Santa Barbara, CA.
21. "Revision of the Humeral Component due to Aseptic Loosening after Shoulder Replacement Surgery," 6th Biennial AAOS/ASES Shoulder and Elbow Meeting, April 3, 2008, Orlando, FL.
22. "Subscapularis tendon reconstruction in Total Shoulder Arthroplasty: Biomechanical evaluation," Orthopaedic Research Society 54th Annual Meeting, March 2, 2008, San Francisco, CA.
23. "Revision of the Humeral Component due to Aseptic Loosening after Shoulder Replacement Surgery" 10th International Congress of Shoulder and Elbow Surgery, September 16, 2007, LaBahia Salvador, Brazil.
24. "Linked Elbow Replacement: A Salvage Procedure for Distal Humeral Nonunion" 10th International Congress of Shoulder and Elbow Surgery, September 16, 2007, LaBahia Salvador, Brazil.
25. "Total Knee Arthroplasty in Valgus Knees Using a Lateral Approach.," American Association of Hip and Knee Surgeons 16th Annual Fall Meeting, November 3, 2006, Dallas, TX.
26. "Mechanical Axis Cannot Be Restored in Total Knee Arthroplasty with a Fixed Distal Valgus Resection Angle. A Radiographic Study.," American Association of Hip and Knee Surgeons 16th Annual Fall Meeting, November 3, 2006, Dallas, TX.
27. "Vancomycin Prophylaxis for Revision Total Hip Arthroplasty. Is Dose Adjustment Necessary in Accordance with Blood Loss and Fluid Replacement?" 7th Domestic Meeting of the European Hip Society (EHS),

June 21, 2006, Antalya, Turkey.

28. "The Effect of Functional Pelvic Position on the Stable Range of Motion of the Hip After Total Hip Replacement." 7th Domestic Meeting of the European Hip Society, June 21, 2006, Antalya, Turkey.
29. "Tripolar Arthroplasty is a Successful Alternative for Chronic Recurrent Prosthetic Hip Dislocation," 7th Domestic Meeting of the European Hip Society (EHS), June 21, 2006, Antalya, Turkey.
30. "The effect of pedicle expansion on pedicle morphology and biomechanical stability in the immature porcine spine." Scoliosis Research Society European and Middle East Meeting, May 25, 2006, Istanbul, Turkey.
31. "The Effect of Residual Lower End Vertebra Tilt on the Outcome of Surgical Correction in Patients with adolescent Idiopathic Scoliosis" Scoliosis Research Society 40th Annual Meeting, September 2005, Miami, FL.
32. "The Validity of Lenke's Criteria for Defining Structural Proximal Thoracic Curves in Patients with Adolescent Idiopathic Scoliosis." Scoliosis Research Society 40th Annual Meeting, September 2005, Miami, FL.
33. "Reliability of Different Techniques for Measuring the Sagittal Plane Deformity in Osteoporotic Fractures." 7th International Congress on Spinal Surgery, April 14, 2005, Antalya, Turkey.
34. "The Effect of Residual Lower End Vertebra Tilt on the Outcome of Surgical Correction in Patients with adolescent Idiopathic Scoliosis." 7th International Congress on Spinal Surgery, April 14, 2005, Antalya, Turkey.
35. "The Effect of Pedicle Screw Placement with or without Compression on the Morphology of the Spinal Canal and Pedicle in Immature Pigs." 7th International Congress on Spinal Surgery, April 14, 2005, Antalya, Turkey.
36. "Lower extremity biomechanics in patients with patellofemoral pain. "

International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine 2005 Biennial Congress, April 3, 2005, Hollywood, FL.

37. "Does the most centralized upper thoracic vertebra determine the upper limit of posterior instrumentation in patients with AIS having non-structural upper thoracic curves?" Scoliosis Research Society 39th Annual Meeting, September 7, 2004, Buenos Aires, Argentina.
38. "Does the most centralized upper thoracic vertebra determine the upper limit of posterior instrumentation in patients with AIS having non-structural upper thoracic curves?" Scoliosis Research Society 39th Annual Meeting, September 7, 2004, Buenos Aires, Argentina.
39. "Does extending the follow-up period to more than 5 years really change the radiological outcome in surgically treated AIS patients?" Scoliosis Research Society 39th Annual Meeting, September 7, 2004, Buenos Aires, Argentina, 09-07-2004.
40. "Does extending the follow-up period to more than 5 years really change the radiological outcome in surgically treated AIS patients?" 11th International Meeting on Advanced Spine Techniques (IMAST) Annual Meeting, July 1, 2004, Fairmont Southampton, Bermuda.
41. "Does the most centralized upper thoracic vertebra determine the upper limit of posterior instrumentation in patients with AIS having non-structural upper thoracic curves?" 11th International Meeting on Advanced Spine Techniques (IMAST), July 1, 2004, Fairmont Southampton, Bermuda.
42. "Reliability of Different Techniques for Measuring the Sagittal Plane Deformity in Osteoporotic Fractures." Spine Society of Europe Spineweek 2004, May 30, 2004, Porto, Portugal.
43. "Reliability of direct observation to define the lateral pillar height for Herring classification on Legg-Calve-Perthes disease." Pediatric Orthopedic Society of North America, April 20, 2004, St. Louis, MO.
44. "Convex Growth Arrest in the Treatment of Congenital Spinal Deformities:

Revisited." European Paediatric Orthopaedic Society Congress, April 1, 2004, Geneva, Switzerland.

45. "Reliability of direct observation to define the lateral pillar height for Herring classification on Legg-Calve-Perthes disease." European Paediatric Orthopaedic Society Congress, April 1, 2004, Geneva, Switzerland.
46. "The Effect of Pedicle Screw Placement with or without Compression on the Morphology of the Spinal Canal and Pedicle in Immature Pigs." European Pediatric Orthopaedic Society 2004 Annual Meeting, April 1, 2004, Geneva, Switzerland.
47. "Is segmental sagittal plane abnormality an absolute contraindication for convex growth arrest?" 5th Annual Meeting of the Spine Society of Europe, September 30, 2003, Prague, Czech Republic.
48. "The Effect of Pedicle Screw Placement with or without Compression on the Morphology of the Spinal Canal and Pedicle in Immature Pigs." 5th Annual Meeting of the Spine Society of Europe, September 30, 2003, Prague, Czech Republic.
49. "The evolution of sagittal segmental alignment of the spine during childhood." 5th Annual meeting of Spine Society of Europe 2003, September 30, 2003, Prague, Czech Republic.
50. "The efficacy of convex hemiepiphysiodesis in patients with iatrogenic posterior element deficiency due to diastematomyelia excision." Scoliosis Research Society 37th Annual Meeting, September 19, 2002, Seattle, WA.
51. "The efficacy of convex hemiepiphysiodesis in patients with iatrogenic posterior element deficiency due to diastematomyelia excision." Annual meeting of the Spine Society of Europe, Eurospine 2002, September 14, 2002, Nantes, France.
52. "The residual rotation and tilt of the lowest instrumented level (LIV) in posterior instrumentation for adolescent idiopathic scoliosis (AIS). Are they really important?" 4th annual meeting of the Spine Society of Europe, Eurospine 2002, September 11, 2002, Nantes, France.

53. "Reliability and Validity of Adapted Turkish Version of Scoliosis Research Society-22 (SRS-22) Questionnaire." Scoliosis Research Society 38th Annual Meeting, September 10, 2003, Quebec, Canada.
54. "The residual rotation and tilt of the lowest instrumented level (LIV) in posterior instrumentation for adolescent idiopathic scoliosis (AIS). Are they really important?" 6th International Congress on Spinal Surgery, September 4, 2002, Ankara, Turkey.
55. "The efficacy of convex hemiepiphyodesis in patients with iatrogenic posterior element deficiency due to diastematomyelia excision." 6th International Congress on Spinal Surgery, September 4, 2002, Ankara, Turkey.
56. "The safety and efficacy of Pemberton osteotomy in the treatment of patients with DDH between ages 12-18 months," Pediatric Orthopaedic Society of North America 2002 Annual meeting, May 1, 2002, Salt Lake City, UT.

Poster Presentations

1. "Posteromedial Rotatory Incongruity Of The Elbow: A Computational Kinematics Study." *SECEC Annual Meeting, Sep19, 2018, Geneva, Switzerland.*
2. **Cil A**, Michaelson J, Bombosch S, Nelso A, Viscardi D. Reverse Shoulder Baseplate Compression as Function of Applied Center Screw Torque. *ORS 2018 Annual Meeting, March 10-13, 2018.*
3. **Cil A**, Michaelson JE, Bombosch S, Kemp P, Viscardi D. Humeral Head Sizes for Total Shoulder Arthroplasty as determined via Three-Dimensional Analysis of CT Scans. *ORS 2018 Annual Meeting, March 10-13, 2018*
4. "A Randomized Controlled Trial Evaluating a Novel Orthopaedic Smoking

Sensation Discussion Method," *2017 Annual Meeting of the American Academy of Orthopaedic Surgeons, March 14-18, 2017, San Diego, CA.*

5. "A modeling approach of studying medial collateral ligament deficiency for the elbow joint", *40th Annual Meeting of the American Society of Biomechanics, August 2-5, 2016, Raleigh, NC.*
6. "Calibrating Multibody Elbow Cartilage Parameters using Finite Element Model", *ORS 2016 Annual Meeting, Disney's Coronado Springs Resort, March 5-8, 2016, Florida, USA.*
7. "Simulating ligament deficiency for an anatomical elbow joint in a multibody framework", *BMES 2015 Annual Meeting, October 7-10, 2015, Tampa, Florida, USA.*
8. "Falling onto an Outstretched Hand: A Multibody Model of a Common Injury", *BMES 2015 Annual Meeting, October 7-10, 2015, Tampa, Florida.*
9. "Ligament Resting Length: A Method for Patient Specific Determination", *Orthopaedic Research Society, March 27, 2015, Las Vegas, NV.*
10. "Development and Validation of a Computational Multibody Model of the Elbow Joint" *7th Annual Meeting of the American Society of Biomechanics, September 2013, Omaha, Nebraska.*
11. "A Combined Computational and Experimental Approach to Measure the Ligament Resting Length", *Orthopaedic Research Society Annual Meeting, January 2013, San Antonio, TX.*
12. "Non-standard Glenoid Components for Bone Deficiency in Shoulder Arthroplasty," *23rd Congress of the European Society for Surgery of the Shoulder and Elbow, September 14, 2011, Lyon, France.*
13. "Anatomic Description is More Reliable for Pelvic Fractures When Orthopaedic Surgeons in the Community Communicate with Fellowship-Trained Orthopaedic Traumatologists", *Orthopaedic Trauma Association 2010 Annual Meeting, October 13, 2010, Baltimore, MD.*
14. "Pelvic extension after THR places patient at increased risk of anterior

dislocation." American Academy of Orthopaedic Surgeons 75th Annual Meeting, March 5, 2008, San Francisco, CA.

15. "Reconstruction of the proximal humerus for bone neoplasm using an anatomic shoulder prosthesis." American Academy of Orthopaedic Surgeons 75th Annual Meeting, March 5, 2008, San Francisco, CA.
16. "Optimal Orientation of Hooded Liners in THR: Effect of Pelvic Tilt." Orthopaedic Research Society 54th Annual Meeting, March 2, 2008, San Francisco, CA.
17. "The Effect of Functional Pelvic Position on the Stable Range of Motion of the Hip After Total Hip Replacement." Orthopaedic Research Society 54th Annual Meeting, March 2, 2008, San Francisco, CA.
18. "Reduced Lumbar Lordosis and Increased Pelvic Extension Increase the Risk of Anterior Dislocation after THR." Orthopaedic Research Society 54th Annual Meeting, March 2, 2008, San Francisco, CA.
19. "Arthroscopic Synovectomy in Rheumatoid Arthritis." 10th International Congress of Shoulder and Elbow Surgery, September 16, 2007, LaBahia Salvador, Brazil.
20. "The Effect of Functional Pelvic Position on the Stable Range of Motion of the Hip After Total Hip Replacement.," Orthopaedic Research Society 53rd Annual Meeting , February 10, 2007, San Diego, CA.

Organizer of Conference

1. "Stryker Current Concepts in Shoulder Arthroplasty Course", Course Chairman, July 22, 2016, Las Vegas, NV
2. "Stryker Current Concepts in Shoulder Arthroplasty Course", Course Chairman, May 13, 2016, Las Vegas, NV
3. "42nd Missouri State Orthopaedic Association Meeting," Program Chair, May 21, 2011, Kansas City, MO
4. "41st Missouri State Orthopaedic Association Meeting, Program Chair, May

22, 2010, Kansas City, MO

Session Chair

1. "Resident Abstract Presentation", Missouri State Orthopaedic Association Annual Meeting, April 2, 2016, Kansas City, MO.
2. "Clavicle Fractures and AC Joint Trauma," 7th Congress of Shoulder and Elbow Surgery, March 24, 2012, Istanbul, Turkey.
3. "The Elbow Anatomy and Instabililty," 7th Congress of Shoulder and Elbow Surgery, March 23, 2012, Istanbul, Turkey.
4. "Unicondylar Knee Replacement," 10th Sports Traumatology, Arthroscopy and Knee Surgery Biannual Meeting, October 15, 2010, Antalya, Turkey.
5. "Elbow Instabilities," 6th Congress of Shoulder and Elbow Surgery, March 27, 2010, Ankara, Turkey.

Lab Instructor

1. Primary and Reverse Shoulder Replacement. Aug 8, 2019, Phoenix, AZ
2. Primary and Reverse Shoulder Replacement. Aug 1, 2019, Lenexa, KS
3. Primary and Reverse Shoulder Replacement. Aug 1, 2019, Indianapolis, IN
4. "20th Advanced Elbow Surgical Skills Course-Elbow Trauma", Mayo Elbow Course, June 13-15, 2019, Rochester, MN.
5. Upper Extremity Trauma Course. March 1, 2019, Tampa, FL
6. Shoulder Arthroplasty Masters Course, Sep 13-14, 2018, NY, NY
7. Primary and Reverse Shoulder Replacement. Aug 16, 2018, Sioux Falls, SD
8. Reverse Shoulder Replacement. June 18, 2018, Royal Oaks, Michigan.
9. Popular Solutions in Shoulder/Elbow Surgery. Associate Instructor, AANA,

April 6-7, 2018, Rosemont, IL.

10. Current Concepts in Shoulder Arthroplasty, A Cadaver Based Course, Feb 23-24, 2018, Tampa, FL.
11. Primary and Reverse Shoulder Replacement, Southern Illinois University, Aug 21, 2017, Springfield, IL.
12. Current Concepts in Shoulder Arthroplasty, A Cadaver Based Course, July 22, 2017, Mahwah, NJ.
13. Southeast Shoulder Master Symposium, June 22-23, 2017, Nashville, TN.
14. Current Concepts in Shoulder Arthroplasty, A Cadaver Based Course, May 19, 2017, Las Vegas, NV.
15. Shoulder and Elbow Fracture Management, A Cadaver Based Course, May 20, 2017, Las Vegas, NV.
16. "Primary and Reverse Shoulder Arthroplasty Cadaver Lab," Stryker Surgical Skills Lab, April 13, 2017, Lenexa, KS.
17. "Primary and Reverse Shoulder Arthroplasty Cadaver Lab," Stryker Surgical Skills Lab, Feb 28, 2017, Lenexa, KS.
18. "Primary and Reverse Shoulder Arthroplasty Cadaver Lab" Dec 9, 2016, Phoenix, AZ.
19. Current Concepts in Shoulder Replacement: A National Stryker Cadaver Based Course, July 22, 2016, Las Vegas, NV.
20. San Diego Shoulder Course, June 24, 2016, San Diego, CA.
21. "Primary and Reverse Shoulder Arthroplasty Cadaver Lab," Stryker Surgical Skills Lab, June 16, 2016, Lenexa, KS.
22. "Basics of Shoulder Replacement from Primary to Reverse" Mount Sinai West Residency, June 9, 2016, New York, NY.
23. Current Concepts in Shoulder Replacement: A National Stryker Cadaver Based Course, May 13, 2016, Las Vegas, NV.
24. "17th Advanced Elbow Surgical Skills Course-Elbow Trauma", Mayo Elbow

Course, May 5-7, 2016, Rochester, MN.

25. "Advanced Shoulder and Elbow: Evidence, Outcomes and Controversies", AANA Masters Experience, April 29-30, 2016, Chicago, IL.
26. "Primary and Reverse Shoulder Arthroplasty Cadaver Lab," Stryker Surgical Skills Lab, March 31, 2016, Lenexa, KS.
27. Current Concepts in Shoulder Replacement: A National Stryker Cadaver Based Course, March 19, 2016, Tampa, FL.
28. Stryker Glenoid Exposure Cadaver Course, March 18, 2016, Tampa, FL.
29. "Primary and Reverse Shoulder Arthroplasty Cadaver Lab," Stryker Surgical Skills Lab, March 11, 2016, Mahwah, NJ.
30. "Shoulder Instability and Rotator Cuff Repair Surgical Skills", Arthrex Resident Lab, June 18, 2015, Kansas City, MO.
31. "Elbow Arthroscopy, Reconstruction and Arthroplasty Course", AANA Masters Experience Elbow Course, June 13, 2015, Chicago, IL.
32. "Reverse Shoulder Replacement-Technique," Stryker Surgical Skills Lab, May 21, 2015, Indianapolis, IN.
33. "16th Advanced Elbow Surgical Skills Course-Elbow Sports", Mayo Elbow Course, May 15-17, 2015, Rochester, MN.
34. "Arthroscopic Rotator Cuff Repair-Pearls and Pitfalls", Biomet Surgical Skills Lab, May 9, 2015, Overland Park, KS.
35. "Arthroscopic Approach to Shoulder Instability", Biomet Surgical Skills Lab, May 9, 2015, Overland Park, KS.
36. "Reverse Shoulder Replacement-Indications and Technique," A Stryker Shoulder Replacement Course, April 8, 2015, Houston, TX.
37. "Primary and Reverse Shoulder Replacement-Technique," Stryker Surgical Skills Lab, April 2, 2015, Lubbock, TX.
38. "Total Shoulder Replacement-Exposure and Surgical Technique," A Stryker Shoulder Replacement Course, February 28, 2015, Tampa, FL.

39. "Reverse Shoulder Replacement-Indications and Technique," Shoulder Replacement Course Stryker, February 28, 2015, Tampa, FL.
40. "Reverse Shoulder Arthroplasty for Proximal Humerus Fractures," Shoulder and Elbow Trauma Course Stryker, February 27, 2015, Tampa, FL.
41. "Management of Proximal Humerus Fractures-Nonarthroplasty Options," Shoulder and Elbow Trauma Course Stryker, February 27, 2015, Tampa, FL.
42. "Total Shoulder Replacement-Exposure and Surgical Technique," Shoulder Replacement Course Stryker, January 10, 2015, Las Vegas, NV.
43. "Shoulder and Knee Arthroscopy Surgical Skills", Arthrex Resident Lab, September 11, 2014, Lenexa, KS.
44. "Primary and Reverse Shoulder Arthroplasty Cadaver Lab," A Stryker Surgical Skills Lab, August 7, 2014, Lenexa, KS.
45. "16th Advanced Elbow Surgical Skills Course-Elbow Stiffness", Mayo Elbow Course, May 17, 2014, Rochester, MN.
46. "Shoulder and Elbow Reconstruction Surgical Skills Lab," Stryker Cadaver Lab, October 16, 2013, Lenexa, KS.
47. "15th Advanced Elbow Surgical Skills Course-Elbow Arthroplasty," Mayo Elbow Course, May 16, 2013, Rochester, MN.
48. "Arthroscopy of the Shoulder and Knee, Surgical Skills Lab for Residents," Arthroscopy of the Shoulder and Knee, Biomet Surgical Skills Lab, April 1, 2011, Warsaw, IN.
49. "12th Advanced Elbow Surgical Skills Course-Elbow Trauma," Mayo Elbow Course, May 14, 2010, Rochester, MN.
50. "Arthroscopy of the Shoulder and Knee, Surgical Skills Lab for Residents," Arthroscopy of the Shoulder and Knee, Biomet Surgical Skills Lab, February 21, 2010, Warsaw, IN.
51. "Advanced Techniques in Elbow Reconstructive Surgery," American

Society for Surgery of the Hand Meeting, June 26, 2009, Rosemont, IL.

52. "11th Advanced Elbow Surgical Skills Course-Elbow Reconstruction," Mayo Elbow Course, May 15, 2009, Rochester, MN.

53. "10th Advanced Elbow Surgical Skills Course- Elbow Arthroplasty," Mayo Elbow Course, May 16, 2008, Rochester, MN.

54. "9th Advanced Elbow Surgical Skills Course-Elbow Arthroscopy," Mayo Elbow Course, May 18, 2007, Rochester, MN.

Surgical Observation for Orthopaedic Surgeons

1. "Reunion Primary and Reverse Total Shoulder Arthroplasty", Surgery Observation TMC-Lakewood, Nov 14, 2017, Lees Summit, MO.
2. "Reunion Reverse Total Shoulder Arthroplasty", Surgery Observation TMC-Lakewood, September 27, 2016, Lees Summit, MO.
3. "Reunion Reverse Total Shoulder Arthroplasty", Surgery Observation TMC-Lakewood, August 23, 2016, Lees Summit, MO.
4. "Reunion TSA Surgery Observation," Surgery Observation TMC-Lakewood, March 28, 2014, Lees Summit, MO.
5. "Reunion TSA Surgical Observation," Surgery Observation TMC Lakewood, January 7, 2014, Lees Summit, MO.

Service

Committee Service

Member, ASES Research Committee, Jan 2019-

Member ASES Elbow Multicenter Study Taskforce, Jan 2019-

Member, AAOS Board of Councilors, March 11, 2018-

Member, Prosthetic Joint Infection International Consensus Meeting ASES Task Force, Nov 2017-July 2018.

Member, Exchange Fellowship Committee, American Shoulder and Elbow

Surgeons, Jan, 2017-Nov, 2019.

Member, TMC Charitable Foundation Finance Committee, July 1, 2016-

Member, UMKC Faculty Promotions Committee, September 1, 2014-

Member, Clinical Competence Committee Orthopaedics, June 1, 2013-

Member, Operating Room Committee TMC Lakewood Campus, May 1, 2011-

Member, Operating Room Committee TMC Hospital Hill Campus, July 1, 2010
– June 30, 2012.

Member, Infection Control Committee TMC, July 1, 2010 – June 30, 2012.

Member, Orthopaedic Clinic Improvement Committee, April 1, 2010-

Member, Orthopaedic Chair Search Committee, March 1, 2010 – May 26,
2011.

Member, University Physician Associates Retirement Committee, February 1,
2010-

Member, Clinical Quality Committee, May 1, 2009 – June 30, 2012.

Member, University Physician Associates Benefits Committee, April 15, 2009-

Interviewer, Orthopedic Resident Selection Committee, December 1, 2008-

Editorial Board

Editorial Board Member, Journal of Orthopedics, April 11, 2014-

Contributing Editor, Year Book of Hand Surgery, January 1, 2009-

Clinical Practice

Shoulder Arthroplasty Accreditation Work Group Surgeon Champion for Joint
Commission for Accreditation of Hospital Organizations Certification, June 1,
2016-

Website Master, UMKC/TMC Clinical Department Website Developer, April 1,
2014-

TMC Lakewood Orthopaedic Clinic Establishment, January 1, 2011

Academic Administrative Positions

PhD Student Advisory Committee, Munsur Rahman, UMKC Department of Civil and Mechanical Engineering, August 1, 2014-

Elbow Trauma Milestone panel chair, Clinical Competence Committee Member, Department, June 1, 2013-

Rotator Cuff Milestone panel chair, Clinical Competence Committee Member, Department, June 1, 2013-

Associate Program Director of Orthopaedic Surgery-Truman Medical Centers, November 15, 2013 - February 17, 2014.

Journal Manuscript Review

Journal of Shoulder and Elbow Arthroplasty, Jan 2018-

Journal of Shoulder and Elbow Surgery Open Access, May 2017-

EFORT Open Reviews, May 2017-

Journal of Bone and Joint Surgery, May 2016-

Journal of Case Reports in Orthopedics Ad-Hoc Reviewer, July 2015-

Journal of Shoulder and Elbow Surgery Reviewer, January 2013-

Journal of Orthopedics Reviewer, September 2012-

Clinical Anatomy Ad-Hoc Reviewer, International, 01-01-2010-

Association/Professional Organization Service

ASES Shoulder and Elbow Infection Task Force, 2017-

ASES Exchange Fellowship Committee Member, ASES, Jan 2017-Nov 2019

AANA Self Assessment Exam, Question Writer, 2017-

President, Missouri State Orthopaedic Association, April 11, 2015- April 1, 2017.

President Elect, Missouri State Orthopaedic Association, May 20, 2013-April 10, 2015.

Board Member, Board of Directors Missouri State Orthopaedic Association, May 21, 2010 – May 19, 2013.

Consulting Activities

Consultant (Education) for Zimmer-Biomet Orthopedics, May 1, 2015.

Consultant (Product Design, Development, and Education) for Stryker Orthopedics, October 1, 2012-

Arthrosurface Inc, Massachusetts, Lecturer, October 13, 2010 – October 15, 2010.

Administrative Activities

Past-President, Missouri State Orthopaedic Association, April 11, 2015-

UMKC Musculoskeletal Biomechanics Research Lab Co-director, August 1, 2014-

Website Master, UMKC/TMC Clinical Department Website Developer, April 1, 2014-

Associate Program Director Orthopaedic Residency, November 15, 2013 February 17, 2014.

President Elect, Missouri State Orthopaedic Association, May 20, 2013-April 10, 2015.

Vice Chairman Department of Orthopaedic Surgery TMC Hospitals, June 2012-

Head of Shoulder, Elbow and Sports Medicine Division for UMKC, April 2012-
Program Chair Missouri State Orthopaedic Association 2011 Meeting, Kansas City, MO, May 20-21, 2011.

Head of Sports Medicine Division UMKC, Kansas City, MO, July 1, 2010-
Program Chair Missouri State Orthopaedic Association 2010 Meeting, Kansas
City, MO, May 21-22, 2010.

Member Board of Directors Missouri State Orthopaedic Association, Board of
Directors, Jefferson City, MO, May 21, 2010-

UMKC Orthopaedic Residency Teaching Curriculum Director, July 1, 2009 -
July 1, 2012.

UMKC Grand Rounds Lectures

2019: Shoulder Interactive Medical Students, Jan 9, 2019

Primary Total Shoulder Arthroplasty, May 15, 2019

Reverse Total Shoulder Arthroplasty for Fractures, May 29, 2019

2018: Elbow Anatomy Module, Aug 8, 2018

Shoulder Anatomy Module, Aug 1, 2018

Elbow Stiffness Management June 27, 2018

ABOS Shoulder Module March 29, 2018

Superior Capsule Reconstruction March 14, 2018

Revision Shoulder Replacement March 7, 2018

2017: Elbow Instability Jan 18, 2017

Shoulder and Axilla Anatomy for Medical Students, Feb 1, 2017

Elbow Reconstruction for Distal Humerus Fractures Journal Club, Feb
25, 2017

Ulnar Neuropathy Prevention and Management Journal Club May 4,
2017

Role of arthroplasty for Proximal Humerus Fractures May 24, 2017

Shoulder Physical Examination July 26, 2017

Elbow Physical Examination July 26, 2017

Elbow Anatomy Module, Oct 25, 2017

Shoulder Anatomy Module, Nov 1, 2017

2016: Elbow Stiffness, Dec 28, 2016

Elbow Anatomy Module, August 10, 2016

Elbow OITE Questions and Answers, August 10, 2016

Shoulder Anatomy Module, July 27, 2016

Shoulder OITE Questions and Answers, July 27, 2016

Surgical Technique of Primary Shoulder Replacement, June 8, 2016

Examination of the elbow, Apr 27, 2016

Lower Extremity and Clinical Decision Rules for Evaluation for medical students, Feb 24, 2016

2015: Basics of Shoulder Replacement, Dec 16, 2015

Examination of Shoulder, Dec 2, 2015

Elbow Anatomy Module, August 26, 2015

Elbow OITE Questions and Answers, August 26, 2015

Shoulder Anatomy Module, July 22, 2015

Shoulder OITE Questions and Answers, July 22, 2015

Elbow Exposures, May 13, 2015

Elbow Instability, May 13, 2015

Reverse Shoulder Replacement, March 18, 2015

2014: Management of Rotator Cuff Tears, November 19, 2014

Elbow Anatomy Module, August 6, 2014

Elbow OITE Questions and Answers, August 6, 2014

Shoulder Anatomy Module, July 23, 2014

Shoulder OITE Questions and Answers, July 23, 2014

Shoulder Arthroscopy-Introduction, May 21, 2014

Unexpected Bleeding in the Operating Room, February 12, 2014

2013: Proximal Humerus Fractures, December 18, 2013

Examination Techniques of Shoulder, December 4, 2013

Examination Techniques of Elbow, November 20, 2013

Sports Medicine OITE Questions and Answers, October 16, 2013

Elbow Anatomy Module, August 7, 2013

Elbow OITE Questions and Answers, August 7, 2013

Shoulder Anatomy Module, July 24, 2013

Shoulder OITE Questions and Answers, July 24, 2013

2012: Elbow Anatomy Module, August 8, 2012

Elbow OITE Questions and Answers, August 8, 2012

Shoulder Anatomy Module, July 25, 2012

Shoulder OITE Questions and Answers, July 25, 2012

Aseptic Loosening in Shoulder Replacement, March 7, 2012

Total Shoulder Arthroplasty, February 8, 2012

2011: Management of Distal Humerus Fractures

Fractures and Dislocations of the Elbow

Fractures of the Clavicle and the Scapula

Fractures of the Proximal Humerus

Physical Examination of the Elbow

Physical Examination of the Shoulder

Total Shoulder Arthroplasty-Sawbones

Surgical Exposures of the Elbow

2010: Surgical Exposures of the Elbow

THA for Boards

TKA for Boards

Humeral Shaft-Distal Humerus Fractures

Rotator Cuff-All you need to know

Arthroscopic Knot Tying

Physical Examination of the Elbow

Elbow Instability

Examination of the Knee

Fractures of the Clavicle and the Scapula

Differential Diagnosis and Exam of the Hip

Physical Examination of the Shoulder

Total Hip Arthroplasty-Sawbones

Total Knee Arthroplasty-Sawbones

2009: Distal Humerus Fractures

Elbow Fracture-Dislocations

TKA for Boards

Examination of the Knee

Fractures of the Proximal Humerus

Fractures of the Clavicle and the Scapula

THA for Boards

Elbow Instability

Physical Examination of the Elbow

Differential Diagnosis and Exam of the Hip

Physical Examination of the Shoulder

Total Elbow Arthroplasty

Wear Mechanisms in TKA

2008: Rotator Cuff-All you need to know

Physical Examination of the Elbow

Differential Diagnosis and Exam of the Hip

Anatomy of the Knee, Popliteal Fossa and Leg

Examination of the Knee

Physical Examination of the Shoulder

Advising Activities

Shoulder and Elbow Service Resident Rotations

June 2019: Maddy Lauer, MD

November- Dec 2018: Sam Baxter, MD

Sep -Oct 2018: Michael, Harvey, MD

July 2018: Sadie Markey, MD

April- June 2018: John Krumme, MD

March 2018: Michael Harvey, MD

Jan 2018-Feb 2018: Sarah Johnson, MD

Oct 2017-Dec2017: Joanne Marasigan, MD

July 2017-Sep2017: Samuel Baxter, MD

April-June 2017: Dane Church, MD

Jan-March 2017: Rajesh Rangarajan, MD

Oct- Dec 2017: Scott Ellsworth, MD

Jul-Sep 2016: Jordan Barker, MD

Apr-Jun 2016: Sara Johnson, MD, Luv Singh, MD

Jan-Mar 2016: Manesha Lankachandra, M.D., John Krumme, M.D.

Oct-Dec 2015: Joanne Marasigan, M.D., James Barnes, MD

Jul-Sep 2015: Nathan Harris MD, Kristoph Haak MD, John Krumme MD

Apr-Jun 2015: Brian Sauer MD, Dane Church MD

Jan-Mar 2015: Steve Hiatt MD, Scott Ellsworth MD

Oct-Dec2014: John Eggers MD, Rajesh Rangarajan MD

Jul-Sep 2014: Justin Colanese MD, Jordan Barker MD

Apr-Jun 2014: Mike Lilyquist, MD, James Barnes, MD

Jan-Mar 2014: Adam Shaw, MD, Nathan Harris, MD
Oct-Dec 2013: Haley Merrill MD, Luv Singh MD
Jul-Sep 2013: Mark Schultzel MD, Manesha Lankachandra MD
Apr-Jun 2013: John Craw MD, John Eggers MD
Jan-Mar 2013: Chris Shaw MD, Steve Hiatt, MD
Oct-Dec 2012: Matt Lewis MD, Justin Colanese MD
Jul-Sep 2012: Justin Barker MD, Brian Sauer MD
Apr-Jun 2012: Mike Johnson MD, Matt Baker MD
Jan-Mar 2012: John Craw MD, Matt Baker MD
Oct-Dec 2011: Dorian Reid MD, Mike Johnson MD
Jul-Sep 2011: Kiley Zieglar MD, Mike Lilyquist MD
Apr-Jun 2011: Justin Barker MD, Haley Merrill MD
Jan-Mar 2011: John Craw MD, Dorian Reid MD
Oct-Dec 2010: Courtney Cowden MD
Jul-Sep 2010: Chris Shaw MD, Kiley Zieglar MD
Apr-Jun 2010: Matt Poulsen MD, Stephen Olson, MD
Jan-Mar 2010: James Bogener MD, Courtney Cowden, MD
Oct-Dec 2009: Tim Juelson MD, Adam Rives MD
Jul-Sep 2009: Gordon Stock MD, Chris Samujh MD
Apr-Jun 2009: Jason Koreckij MD
Jan-Mar 2009: Jeffery Low, MD
Oct-Dec 2008: Brian Wilson MD
Aug-Sep 2008: Ricardo Molina MD

UMKC Orthopaedic Sports Medicine Fellowship

Aug 2018-July 2019: Dan Luckenbill, MD

Aug 2016-July 2017: Evan Stout, MD

Aug 2014-July 2015: Christopher Shaw, MD

Aug 2010- July 2011: Todd M. Wentz, MD

Aug 2009- July 2010: Clayton Conrad, MD

Aug 2008- July 2009: Allen "Kris" Moore, MD

UMKC Primary Care Sport Medicine Fellowship

Sep 2017-July 2018: Haley Avila, MD, Kevin Gray, MD

UMKC Primary Care Pediatric Sport Medicine Fellowship

Sep 2018-July 2018: Megan Fraker, MD

International Research Fellows

Aug-Nov 2018: Cunezd Gunay, MD

Jan-March 2018: Yousaf Khan, MD

Oct 2016-Mar 2017: Gokhan Karademir, MD

Sep-Oct 2012: Saygin Kamaci, MD

Post-doc Research Associates

August 2013-July 2014: Yun Kai Liu

Thesis Title: Computational Modeling of the Elbow

PhD Students

Jonathan Parman, July 2017-2020

Study Title: In-situ Elbow Contact Pressure Calculation

Munsur Rahman, July 2014-2017

Thesis Title: Elbow Computational Remodelling

Kathrine Bloemker, June-August 2010

Thesis Title: Knee Ligaments/ACL

Masters Students

Mohsen Sharifi Renani, July 2015-2017

Thesis Title: Elbow Contact Pressures, Finite Element vs Multibody Model Calculations

UMKC Engineering Student

Jonathan Parman, July 2015-2017

Study Title: In-situ Elbow Contact Pressure Calculation

UMKC SOM Students

Christopher Kurian, Mentor and Research and Writing Supervision, July 2016-

Project Title: Elbow Joint In-situ Contact Pressures

Vivek R. Vallurupalli, Mentor and Research and Writing Supervision, June 2016-

Project Title: Biomechanical Analysis of Reverse Shoulder Replacement in Glenoid Bone Defects

Abhishek Kantamneni, Mentor and Research and Writing Supervision, March 2016-

Project Title: The Economic Impact of Orthopaedics in Missouri

Vijit Chohan, Mentor and Research and Writing Supervision, January 10, 2013 -

Thesis Title: Anatomy of the Elbow Annular Ligament

Student Achievement: Sarah Morrison Award winner

Other Activities

Heirloom Festival for TMC Lakewood Event Chair Sep 7, 2019, Kansas City, MO.

Kansas City Marathon Medical Volunteer, October 15, 2016, Kansas City, MO.

Hospital Hill Run Medical Volunteer, July 4, 2016, Kansas City, MO.

Health Fair of Life Church, Volunteer Presenter, August 17, 2013, Kansas City, MO.

Ethnic Enrichment Festival 2012, Volunteer, August 18, 2012, Kansas City, MO.

Health Fair of Life Church, Volunteer Presenter, August 1, 2012, Kansas City, MO.

Ethnic Enrichment Festival 2010, Volunteer, August 20-22, 2010, Kansas City, MO.

UMKC Orthopaedic Surgery Interest Group, Medical Students, Faculty Advisor, August 2010, Kansas City, MO.

Bay State Games, Medical Volunteer- On-Site Physician Coverage, July 10-12, 2008, Boston, MA.

JP Morgan Chase Corporate Challenge Medical Volunteer, June, 2008, Boston, MA.

Boston Marathon Medical Volunteer, April 21, 2008, Boston, MA.

Alvin Ailey Celebrity Series, Medical Volunteer-On-site physician coverage, March 16, 2008, Boston, MA.

Babson College Training Room, Babson College Athletic Teams, Babson College Team Physician, August 1, 2007-July 31, 2008, Boston, MA.

Boston Ballet Performance Coverage, Consulting Physician, August 1, 2007-July 31, 2008, Boston, MA.

Professional Development

Mayo Clinic Advanced Elbow Surgical Skills Course, June 13-15, 2019, Rochester, MN

NOLC, June 5-8, 2019, Washington, DC

AAOS Annual Meeting, March 12-16, 2018, Las Vegas, NV.

AAOS BOC Fall Meeting, Oct 25-27, 2018, San Antonio, TX.

International Infection Consensus Meeting, July 25-28, Philadelphia, PA
NOLC, June 6-9, 2018, Washington, DC
Missouri Shoulder and Elbow Society Meeting, April 27-28, St. Louis, MO
AANA Popular Solutions in Shoulder/Elbow Surgery Course, April 6-7,
2018, Chicago, IL
10th Turkish Shoulder and Elbow Surgery Society Meeting, March 21-24,
2018, Ankara, Turkey
AAOS Annual Meeting, March 7-10, 2018, New Orleans, LA.
ASES Annual Meeting, Oct 12-15, 2017, New Orleans, LA
SECEC Annual Meeting, Sep 13-16, 2017, Berlin, Germany
AAOS Annual Meeting, March 14-18, 2017, San Diego, CA.
ASES Open and Closed Meeting, October 6-9, 2016, Boston, MA
San Diego Shoulder Course, June 21-25, 2016, San Diego, CA
Miller Review Course Part II, May 27, 2016, Denver, CO
13th ICSES Meeting, May 18-20, 2016, Jeju, S. Korea
Mayo Clinic Advanced Elbow Surgical Skills Course, May 5-7, 2016,
Rochester, MN
AANA Advanced Shoulder and Elbow: Evidence, Outcomes, and
Controversies. April 29-30 2016, Chicago, IL
Mid America Orthopedic Association Annual Meeting, April 13-16, 2016,
Bonita Springs, FL
MSOA Annual Meeting, April 1-2, 2016, Kansas City, MO
9th Turkish Shoulder and Elbow Surgery Society Meeting, March 23-26,
2016, Adana, Turkey
AAOS Annual Meeting, March 1-5, 2016, Orlando, FL
ASES Closed Meeting October 8-11, 2015, Asheville, NC

AANA Masters Elbow Arthroscopy, Reconstruction and Arthroplasty Course, June 12-14, 2015, Chicago, IL

Mayo Clinic Advanced Elbow Surgical Skills Course, May 14-16, 2015, Rochester, MN

Mid America Orthopaedic Association Annual Meeting, April 22-26, 2015, Hilton Head Island, SC

MSOA Annual Meeting, April 10-11, 2015, Kansas City, MO

AAOS Annual Meeting, March 24-28, 2015, Las Vegas, NV

Mayo Clinic Advanced Elbow Surgical Skills Course, May 15-17, 2014, Rochester, MN

9th Biennial AAOS/ASES Shoulder and Elbow Course: Current Techniques and Controversies, April 24-26, 2014, Lake Buena Vista, FL

Missouri State Orthopaedic Association (MSOA) Annual Meeting, April 4-5, 2014, Kansas City, MO

8th Turkish Shoulder and Elbow Surgery Society Meeting, March 19-22, 2014, Izmir, Turkey

Contemporary Challenges in Shoulder Surgery, July 4-6, 2013, Milan, Italy

Maine Orthopaedic Review, June 17-22, 2013, Waterville, ME

Federation of European Societies for Surgery of the Hand Annual Meeting, May 29-June 1, 2013, Antalya, Turkey

Mayo Clinic Advanced Elbow Surgical Skills Course, May 16-18, 2013, Rochester, MN

MSOA Annual Meeting, April 12-13, 2013, St. Louis, MO

ASES 2013 Specialty Day, March 23, 2013, Chicago, IL

AAOS Annual Meeting, March 19-23, 2013, Chicago, IL

SMR Shoulder Replacement Cadaver Lab, February 15-16, 2013, Las

Vegas, NV

Gulfcoast Ultrasound Institute Essentials of Musculoskeletal Ultrasound, February 13, 2013, St. Pete Beach, FL

Current Advancements in Shoulder Arthroplasty Symposium, November 30, 2012, Dallas, TX

The American Orthopaedic Society for Sports Medicine Annual Meeting, July 12-15, 2012, Baltimore, MD

Missouri State Orthopaedic Association (MSOA) Annual Meeting, May 18-19, 2012, St. Louis, MO

Biomet Comprehensive Shoulder Advanced Symposium, November 17-18, 2011, Henderson, NV

23rd Congress of the European Society for Surgery of the Shoulder and the Elbow, September 14-17, 2011, Lyon, France

Stryker Disaster Management: Orthopaedic Trauma Salvage Techniques, June 3-4, 2011, Fort Lauderdale, FL

Mayo Clinic Advanced Elbow Surgical Skills Course, May 12-14, 2011, Rochester, MN

Missouri State Orthopaedic Association Annual Meeting, May 20-21, 2011, Kansas City, MO

ASES 2011 Specialty Day, February 19, 2011, San Diego, CA

AAOS Annual Meeting, February 15-19, 2011, San Diego, CA

43rd Annual AAOS Course for Orthopaedic Educators, October 31-November 4, 2010, Bloomingdale, IL

10th Turkish Sports Traumatology, Arthroscopy and Knee Surgery Congress, October 12-16, 2010, Antalya, Turkey

AOSSM Annual Meeting, July 14-17, 2010, Providence, RI

Missouri State Orthopaedic Association Annual Meeting, May 21-22, 2010, Kansas City, MO

Mayo Clinic Advanced Elbow Surgical Skills Course, May 13-15, 2010, Rochester, MN

6th Shoulder and Elbow Surgery Congress, March 25-28, 2010, Ankara, Turkey

ASES 2010 Specialty Day, March 13, 2010, New Orleans, LA

AAOS Annual Meeting, March 9-13, 2010, New Orleans, LA

DePuy Knee and Hip Course, August 26-29, 2009, Foxboro, MA

Advanced Techniques in Elbow Reconstruction Surgery, June 26-27, 2009, Rosemont, IL

122nd AOA Annual Meeting, June 10-13, 2009, Bonita Springs, FL

Mayo Clinic Advanced Elbow Surgical Skills Course, May 14-16, Rochester, MN

Biomet Oxford Partial Knee Course, April 23-24, 2009, San Francisco, CA

Knee Society Specialty Day, February 28, 2009, Las Vegas, NV

AAOS Annual Meeting, February 25-28, 2009, Las Vegas, NV

1st Combined Robert W. Metcalf Memorial and AANA Meeting, January 31-February 3, 2009, Sun Valley, ID

6th Annual Current Solutions in Orthopaedic Trauma Course, December 11-13, 2008, Phoenix, AZ

Conmed Linvatec Sports Medicine Fellows Course, June 19-21, 2008, Martha's Vineyard, MA

Mayo Clinic Advanced Elbow Surgical Skills Course, May 15-17, 2008, Rochester, MN

6th Biennial AAOS/ ASES Shoulder and Elbow Meeting, April 3-6, 2008, Orlando, FL

5th Shoulder and Elbow Surgery Congress, March 27-29, 2008, Adana, Turkey

AANA Specialty Day, March 8, 2008, San Francisco, CA

Practice Management Symposium for Residents, March 4, 2008, San Francisco, CA

AAOS Annual Meeting, March 4-8, 2008, San Francisco, CA

Basics of Coding for Residents, March 4, 2008, San Francisco, CA

Arthrex Shoulder Symposium, June 14-16, 2007, Naples, FL

Mayo Clinic Advanced Elbow Surgical Skills Course, May 17-19, 2007, Rochester, MN

Advanced Techniques in Elbow Surgery, March 13-14, 2007, Rosemont, IL

ASES 2007 Specialty Day, February 17, 2007, San Diego, CA

AAOS Annual Meeting, February 12-17, 2007, San Diego, CA

Zimmer Elbow Days, October 12-13, 2006, Rochester, MN

7th Domestic Meeting of the European Hip Society, June 21-24, 2006, Antalya, Turkey

AAOS Annual Meeting, March 20-26, 2006, Chicago, IL

North American Hip and Knee Symposium, February 2-4, 2006, Copper Mountain, C

