

**CURRICULUM VITAE
SCOTT G. KAAR, M. D.**

PERSONAL INFORMATION:

Address: Department of Orthopaedic Surgery
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CURRENT POSITION AND ADDRESS:

Saint Louis University Department of Orthopaedic Surgery 08/01/08 - present
Chief of Sports Medicine and Shoulder Surgery Service
Associate Professor

EDUCATION:

Orthopaedic Sports Medicine Fellowship 08/2007 - 07/2008
Cleveland Clinic Foundation
Cleveland, Ohio

Orthopaedic Surgery Residency 06/2002 - 06/2007
University of Michigan
Ann Arbor, Michigan

Case Western Reserve University School of Medicine 08/1998 - 05/2002
Cleveland, Ohio
Alpha Omega Alpha

Case Western Reserve University Undergraduate 08/1994 - 05/1998
Cleveland, Ohio
BS in Biomedical Engineering
Summa Cum Laude

CLINICAL STAFF APPOINTMENTS:

Saint Marys Health Center, Saint Louis, MO 10/2013 - present
Saint Louis University Hospital, Saint Louis, MO 08/2008 - present
Mercy Medical Center, Saint Louis, MO 08/2008 - present
Cardinal Glennon Hospital, Saint Louis, MO 08/2008 - present

BOARD CERTIFICATION AND LICENSURES:

Subspecialty Certification Sports Medicine 2012
Board Certified Orthopaedic Surgery 2011
Medical License State of Missouri 2008

PROFESSIONAL SOCIETY MEMBERSHIPS:

Missouri Shoulder and Elbow Society (MSES) – Founding Member	2017 - present
American Shoulder and Elbow Surgeons (ASES)	2015 - present
American Arthroscopy Association of North America (AANA)	2008 - present
American Orthopaedic Society for Sports Medicine (AOSSM)	2007 - present
American Academy of Orthopaedic Surgeons (AAOS)	2002 - present

HONORARY SOCIETIES, HONORS, AND AWARDS:

Best Doctors St Louis	2013 - current
Caring Physicians Award, Saint Louis University Hospital	2015
Certificate of Merit Award for Radiology Society of North America Annual meeting	2013
Department of Orthopaedic Surgery Resident Teaching Award	2012
Best Scientific Poster – Case Western Reserve Orthopaedic Research Day	2000
Biomedical Engineering Faculty Award	1998
Case Alumni Scholarship	1994 - 1998
Case Western University Provost Scholarship	1994 - 1998

PROFESSIONAL SERVICES:Head Team Physician:

St Louis University Athletics	2008 - present
Fontbonne University	2013 - present
Harris Stowe University	2013 - present
River City Rage Professional Indoor Football League	2009
St Louis SLAM Semiprofessional Women's Football	2017 - present
Westminster High School	2016 - present
Pattonville High School	2015 - present
Affton High School	2014 - present
Saint Mary's High School	2013 - present
Bishop DuBourg High School	2013 - present
University City High School	2013 - present
Ritenour High School	2012 - present
Hazelwood West High School	2009 - present
McClellan High School	2009 - present
Rosati Kain High School	2013 - 2014
Hazelwood East High School	2010 - 2013
McClellan North High School	2009 - 2014

Medical Director:

Hancock Cross Country Invitational	2016
JCC Maccabi Games St Louis, MO (co-medical director)	2016
NCAA Division 1 Wrestling Tournament Championships	2017, 2015, 2012
NCAA Men's Division 1 Basketball Tournament Midwest Regional	2010, 2012
NCAA Men's Division 1 Hockey Tournament Regional	2011
Missouri Valley Conference Tennis Tournament	2011
Missouri Valley Conference Basketball Tournament	2010 - 2013

Medical Coverage:

USA Gymnastics Olympic Trials and National Championships (local area coordinator)	2016, 2012
Women's College Wrestling Association National Championships	2014
St Louis Gateway Ruggerfest	2013 - present
Rock and Roll Marathon Saint Louis	2011 - present

National Committees:

AOSSM Committee on Legislative and Regulatory Advocacy	2015 - 2019
AOSSM Missouri State Council of Delegates	2015 - 2018
AOSSM Chair of the Performance Improvement CME committee	2012 - 2016
AOSSM Education Council Committee	2012 - 2016
AAOS Mastery Model Development Committee	2014
AOSSM Enduring Education Committee	2010 - 2014

University Committees:

Saint Louis University NCAA Certification Governance and Rules Compliance subcommittee	2010 - 2011
Athletic Training Education Program Advisory Board committee, Doisy College of Health Sciences	2008 - present
SLUCare electronic medical record implementation committee	2009 - 2011

Orthopaedic Surgery Department Committee:

Education Committee	2013 - 2014
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Saint Louis University Hospital:

Medical Director of Physical Medicine and Rehabilitation	2011 - present
Anheuser Busch Institute Surgery Center Subcommittee member	2010 - 2014

Journal Reviewer:

Journal of Knee Surgery	2016 - present
Journal of Shoulder and Elbow Surgery	2013 - present
Journal of Computer Assisted Surgery	2012 - present
Clinical Orthopaedics and Related Research	2010 - present
American Journal of Sports Medicine	2007 - present

CURRENT/PAST TEACHING RESPONSIBILITIES:

<u>Mayo Clinic Knee Dislocation and Multiligament Knee Reconstruction Course</u> Lab Instructor	2017
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Adjunct Faculty Lecturer for the Doisy College of Health Sciences:

Athletic Training Program	2007 - present
Physical Therapy Program	2007 - present

CME Conference Founded:

Multidisciplinary monthly MRI sports medicine correlation conference	2008 - present
Jewish Medical Ethics – quarterly case based discussions	2015 - present

<u>Primary Care Sports Medicine Fellowship Clinical Instructor:</u> Clinic rotation site and faculty mentor	2009 - 2012
<u>Medical Student Clinical Instructor:</u> Initiated 4 th year clerkship: Orthopaedic Surgery Sports Medicine 3 rd Year Surgery elective clinic rotation 3 rd Year Family Practice sports medicine elective clinical site 1 st Year bedside preceptor for physical exam and note writing	2009 - present 2009 - 2011 2009 - 2012 2012 - present
<u>Medical Student Sports Medicine Interest Group Faculty Advisor</u>	2017 - present
<u>Internal Medicine Clinical Instructor:</u> Orthopaedic sports medicine clinic rotation	2011 - 2012
<u>Pediatrics Clinical Instructor:</u> Orthopaedic sports medicine clinic rotation	2012 - 2013
<u>Family Practice Clinical Instructor:</u> Orthopaedic sports medicine clinic rotation	2012 - current
<u>Emergency Medicine Sports Medicine Clinical Instructor:</u> Orthopaedic sports medicine team coverage elective	2014 - current
<u>Physical Therapy Orthopaedic Clinical Specialist Fellowship Clinical Instructor:</u> Orthopaedic sports medicine clinic rotation	2014 – current
<u>Rheumatology Fellowship Mock Board Examiner:</u> Exam of the knee	2016 – current
<u>Medical School Lectures:</u> Clinical anatomy correlation of the neck and upper extremity (1 st year students) Common lower extremity sports injuries (2 nd year students) Anatomy of the shoulder and axilla clinical correlation (1 st year students) Capstone course: Musculoskeletal imaging (4 th year students) Capstone course: Basics of arthroscopy (4 th year students)	11/2015, 10/2014 02/2015, 03/2014, 03/2013, 03/2012, 03/2011 10/2013 03/2013 03/2017
<u>Orthopaedic Surgery Department Resident Education Lectures:</u> PCL, PLC and MCL injuries Patellofemoral instability Common foot and ankle sports medicine injuries Adhesive capsulitis	3/2017, 1/26/2016 12/2016, 05/2014, 12/2012, 05/2010 09/2016, 05/2013 05/2016, 01/2011

Stress fractures of the lower extremity	2/2016, 10/2013, 09/2010
Throwing injuries	11/2015
Orthopaedic in-training examination review of sports medicine	09/2015, 10/2011, 10/2010, 11/2009, 10/2008
Hip and groin injuries in athletes	06/2015, 03/2011, 05/2009
Meniscal Injuries	04/2015
SLAP Tears	02/2015
Rotator cuff, biceps tendon, AC joint disorders of the shoulder	12/2014, 01/2010
Lessons on being a team physician	08/2014
Shoulder injuries in athletes	01/2014
Major tendon ruptures of the lower extremity	09/2013
Sports medicine nerve injuries of the shoulder	08/2013
Orthopaedic anatomy and kinesiology lab instructor	10/2016, 02/2014, 04/2013, 02/2013, 04/2011, 03/2010, 03/2009
ACL injuries and treatment	01/2013
PCL injuries	08/2012, 12/2010
Disorders of the long head of the biceps and AC joint	04/2012
Elbow examination and common sports medicine elbow pathology	03/2012, 01/2009
Total shoulder arthroplasty	08/2011, 03/2009
Foot and ankle disorders in athletes; exam and common pathology	08/2011, 07/2009, 12/2008
Physical examination of the knee	07/2010, 09/2008
Major tendon ruptures	09/2009
Adhesive capsulitis	06/2009
Physical examination of the shoulder	10/2008
Complications of ACL surgery	09/2008
<u>Orthopaedic Surgery Department Resident Education Lecture Mentoring:</u>	
Scapula fractures (Gene Busel)	04/2017
Shoulder arthroplasty (David Eldringhoff)	04/2017
Knee chondral injuries (Jonathan Guevara)	01/2017
ACL injuries and controversial topics (John Arvesen)	12/2016
Hip arthroscopy (David Eldringhoff)	09/2016
Glenohumeral instability (David Eldringhoff)	03/2016
Long head biceps tendon pathology (Adham Abdelfattah)	05/2015
Patellofemoral instability (Jeffrey Reagan, Jessica Traver)	03/2015, 10/2011
Tendon transfers about the shoulder (Adham Abdelfattah)	05/2014
Femoroacetabular impingement (Kellen Huston)	04/2014
Traumatic shoulder instability (Sean Tabaie)	02/2014
Major tendon ruptures: Biceps, triceps, pectoralis (Kellen Huston)	10/2013
Meniscus injuries (Adrian Davis)	11/2012
Ankle instability (Adrian Davis)	04/2012

Elbow instability (Robert Otto)	04/2012
Hand injuries in the athlete (Cody Bellard)	08/2011
Graft choices in ACL surgery (Brian Dean)	12/2010
Ankle instability (David Ajibade)	06/2010
Supplement and performance enhancing drug use in athletes (Sean Owen)	05/2010
Proximal humerus fractures (Chris Lenarz)	08/2009
Achilles tendon disorders (Chris Lenarz)	10/2008
Rotator cuff, AC joint, biceps disorders (Michael Berry)	09/2008

Adventures in Medicine and Science (AIMS) Program:

ACL surgery demonstration	06/2011, 06/2014, 07/2015, 07/2016
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Orthopaedic Surgery Resident Mentoring

Zeeshan Baqui	2017
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RESEARCH SUPPORT:

AOTrauma North America Resident Research Support, Mentored John Arvesen	2014-2015
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Orthopaedic Research and Education Foundation (OREF) Resident Research Grant, Mentored Philip Sinatra	2011 - 2012
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OREF Resident Research Grant, Mentored Mohammed Ahmed	2011 - 2012
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NIH Funded Research Program Committee Cleveland Clinic and Case Western Reserve University Grant	2008 - 2009
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AO North America Resident Trauma Research Grant	2004 - 2005
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Office of Geriatric Medicine Student Summer Research Fellowship Case Western Reserve University	1999
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Crile Summer Research Fellowship Case Western Reserve University	1999
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BIBLIOGRAPHY:

Peer Reviewed Articles

1. **Kaar SG**, Ragab AA, Kaye SJ, Kilic BA, Jinno T, Goldberg VM, Bi Y, Stewart MC, Carter JR, Greenfield EM. Rapid repair of titanium particle-induced osteolysis is dramatically reduced in aged mice. J Orthop Res. 2001 Mar; 19 (2):171-8.
2. Bi Y, Seabold JM, **Kaar SG**, Ragab AA, Goldberg VM, Anderson JM, Greenfield EM. Adherent endotoxin on orthopedic wear particles stimulates cytokine production and osteoclast differentiation. J Bone Miner Res. 2001 Nov; 16(11):2082-91.

3. **Kaar SG**, Cooperman DR, Blakemore LC, Thompson GH, Petersilge CA, Elder JS, Heiple KG. Association of bladder exstrophy with congenital pathology of the hip and lumbosacral spine: a long-term follow-up study of 13 patients. *J Pediatr Orthop*. 2002 Jan-Feb;22(1):62-6.
4. Feng AH, **Kaar SG**, Elder JS. Influence of enterocystoplasty on linear growth in children with exstrophy. *J Urol*. 2002 Jun; 167 (6):2552-5.
5. **Kaar SG**, Hazard D, Miller BS. Facioscapulohumeral muscular dystrophy presenting as shoulder pain in a baseball player. *Arthroscopy*. 2005 Sept; 21(9):1145.
6. **Kaar SG**, Femino JE, Morag Y. Lisfranc Joint Displacement Following Sequential Ligament Sectioning. *J Bone Joint Surg Am*. 2007 Oct; 89(10):2225-32.
7. Weiss DB, **Kaar SG**, Frankenburg EP, Karunakar MA. Locked vs. Unlocked Plating With Respect to Plate Length in an Ulna Fracture Model. *Bull Hosp Jt Dis*. 2008; 66 (1): 5-8.
8. Schickendantz MS, **Kaar SG**, Meister K, Lund P, Beverley L. Latissimus dorsi and teres major tears in professional baseball pitchers: A case series. *Am J Sports Med*. 2009 Oct;37(10):2016-20.
9. **Kaar SG**, Fening SD, Jones MH, Colbrunn R, Miniaci A. Effect of Humeral Head Defect Size on Glenohumeral Stability: A Cadaveric Study of Simulated Hill-Sachs Defects. *Am J Sports Med*, 2010 Mar;38(3):594-9.
10. Silver AG, **Kaar SG**, Grisell MK, Reagan JM, Farrow LD. Comparison between rigid and flexible systems for drilling the femoral tunnel through an anteromedial portal in anterior cruciate ligament reconstruction. *Arthroscopy*, 2010 Jun;26(6):790-5.
11. Wallace M, Bedi A, Lesniak BP, Farrow LD, Ajibade D, Israel HA, **Kaar SG**. What effect does anterior cruciate ligament tibial guide orientation have on tibial tunnel length? *Arthroscopy*. 2011 Jun;27(6):803-8.
12. Zehnder S, Joy E, **Kaar SG**. Transpectoral Biceps Sling Tenodesis: Surgical Technique. *Techniques in Shoulder & Elbow Surgery*. 12(2):32-35, June 2011.
13. Azzam MG, Lenarz CJ, Farrow LD, Israel HA, Kieffer DA, **Kaar SG**. Inter- and intraobserver reliability of the clock face representation as used to describe the femoral intercondylar notch. *Knee Surg Sports Traumatol Arthrosc*. 2011 Aug;19(8):1265-70
14. Wallace MJ, MD, Bledsoe G, PhD, Moed BR, MD, Israel HA, **Kaar SG**. Relationship of cortical thickness of the proximal humerus and pullout strength of a locked plate and screw construct. *J Orthop Trauma*. 2012 Apr;26(4):222-5.

15. Crawford B, Zehnder S, Cutuk A, Farrow LD, **Kaar SG**. Arthroscopic evaluation of knee lateral compartment widening after lateral ligamentous injury. *Knee Surg Sports Traumatol Arthrosc*. 2013 Jul;21(7):1534-9.
16. Ahmed M, Young BT, Bledsoe G, Cutuk A, **Kaar SG**. Biomechanical Comparison of Long Head of Biceps Tenodesis with Interference Screw and Biceps Sling Soft Tissue Technique. *Arthroscopy*. 2013 Jul;29(7):1157-63.
17. Huston K, Mitchell W, Wadsworth T, Stewart J, Cutuk A, **Kaar SG**. The Role of Magnetic Resonance Imaging in a Division I University Sports Medicine Program. *Clinical Journal of Sports Medicine*. 2014 Sep;24(5):385-9.
18. Grimshaw C, Cannada LK, Cutuk A, **Kaar SG**. Missed Rotator Cuff Tears in the Polytrauma Patient - Case Report and Brief Review of the Literature. *Am J Orthop*. 2013 Oct;42(10):466-9.
19. Sinatra PM, Jernick ML, Bledsoe G, **Kaar SG**. No contribution of tension-reducing rotator cuff sutures on locking plate fixation in a 2-part proximal humerus fracture model. *J Orthop Trauma*. 2014 Aug;28(8):458-63.
20. Neuhaus V, Bot AG, Guitton TG, Ring DC, **Kaar SG***. Scapula fractures: interobserver reliability of classification and treatment. *As part of the Science of Variation Group. *J Orthop Trauma*. 2014 Mar;28(3):124-9.
21. Tosti R, Ilyas AM, Mellema JJ, Guitton TG, Ring D, **Kaar SG***. Interobserver variability in the treatment of little finger metacarpal neck fractures. *As part of the Science of Variation Group. *J Hand Surg Am*. 2014 Sep;39(9):1722-7.
22. Javidan P, Ahmed, M, **Kaar SG**. Arthroscopic release of the deep medial collateral ligament to assist in exposure of the medial tiobiofemoral compartment. *Arthroscopy Techniques*. *Arthrosc Tech*. 2014 Dec 1;3(6):e699-701.
23. **Kaar SG**. CORR Insights: Muscle Fibers are Injured at the Time of Acute and Chronic Rotator Cuff Repair. *Clin Orthop Relat Res*. 2015 Jan;473(1):233-4.
24. Shakir SA, Patel NH, Chamberland RR, **Kaar SG**. Investigation of cell phones as a potential source of bacterial contamination in the operating room. *J Bone Joint Surg Am*. 2015 Feb 4;97(3):225-31
25. Javidan P, Owen J, Cutuk A, Watson T, **Kaar SG**. How Do Spanning External Fixators on Knee Dislocation Patients Affect the Use of MRI and Knee Stability? *J Knee Surg*. 2015 Jun;28(3):247-54.
26. Farrow LD, Morris PM, Huston KL, Hall ET, **Kaar SG**. A simple radiographic sign of vertical anterior cruciate ligament tunnel placement. *J Knee Surg*. 2015 Oct;28(5):428-31.

27. Ebersole GM, Eckerle P, Farrow LD, Cutuk A, Bledsoe G, **Kaar SG**. Anterior cruciate ligament graft isometry is affected by the orientation of the femoral tunnel. *J Knee Surg*. 2016 Apr;29(3):260-6.
28. Shirazi CP, Israel HA, **Kaar SG**. Is the Marx activity scale reliable in patients under 18 years of age? *Sports Health*. 2016 Mar;8(2):145-8.
29. Claessen FM, van den Ende KI, Doornberg JN, Guitton TG, Eygendaal D, **Kaar SG***. Osteochondritis dissecans of the humeral capitellum: reliability of four classification systems using radiographs and computed tomography. *As part of the Science of Variation Group. *J Shoulder Elbow Surg*. 2015 Oct;24(10):1613-8.
30. Janssen SJ, Teunis T, Guitton TG, Ring D, Kaar SG*. Do Surgeons Treat Their Patients Like They Would Treat Themselves? *As part of the Science of Variation Group. *Clin Orthop Relat Res*. 2015 Nov;473(11):3564-72.
31. Traver JL, Guzman MA, Cannada LK, **Kaar SG**. Is the Axillary Nerve at Risk During a Deltoid-Splitting Approach for Proximal Humerus Fractures? *Journal of Orthop Trauma*. 2016 May;30(5):240-4.
32. Worden A, **Kaar SG**, Owen J, Cutuk A. Radiographic and Anatomic Evaluation of Tibial Tubercle–Trochlear Groove Distance. *J Knee Surg*. 2015 Dec 30. [Epub ahead of print]
33. Okoroafor UC, Saint-Preux F, Gill SW, Bledsoe G, **Kaar SG**. Non-Anatomic Tibial Tunnel Placement For Single-Bundle Posterior Cruciate Ligament Reconstruction Leads To Greater Posterior Tibial Translation In A Biomechanical Model. *Arthroscopy*. 2016 Jul;32(7):1354-8.
34. Arvesen JE, Gill SW, Sinatra PM, Eng M, Bledsoe G, **Kaar SG**. Biomechanical contribution of tension-reducing rotator cuff sutures in 3 part proximal humerus fractures. *J Orthop Trauma*. 2016 Aug;30(8):e262-6.

Book Chapters:

1. **Kaar SG**, Miniaci A., Put the Scope Away - Indications for Open Instability Surgery. AAOS, Monograph Chapter, 2009.
2. **Kaar SG**, Levy BA, Stuart M. Soft-tissue injuries about the knee. Chapter in *Orthopaedic Knowledge Update 10*, 2011.
3. Bennett JE, **Kaar S**, Youngblood SA. Imaging of the lower leg, ankle & foot (LLAF) for the sports physical therapist. In *Diagnostic Imaging in Sports Physical Therapy* (editor Rosenthal M). Home Study Course; Chapter 7, APTA Sports Physical Therapy Section, 2015.
4. Greenberg DD, Okoroafor UC, **Kaar SG**. Management of Septic Arthritis (Chapter 221) in *Chapman's Comprehensive Orthopaedic Surgery*, Fourth edition, 2016.

Abstracts:Podium Research PresentationsNational Meetings:

1. Sling Versus External Rotation Brace Immobilization of First-Time Anterior Dislocations of the Shoulder. Miller BS, **Kaar SG**, Sonnabend DH, Cole EM. AOSSM Annual Meeting, Hershey, PA; July, 2006.
2. Lisfranc Joint Displacement Following Sequential Ligament Sectioning. **Kaar SG**, Femino JE, Morag Y. AOFAS Annual Meeting, La Jolla, CA; July, 2006.
3. A biomechanical comparison of locked and unlocked plating in a cadaveric short segment comminuted proximal radius fracture model. **Kaar SG**, Weaver AS, Karunakar MA, Frankenburg E, Goldstein SA. OTA Annual Meeting, Scottsdale, AZ; October, 2006.
4. The Effect of Humeral Head Defect Size on Glenohumeral Stability. **Kaar SG**, Fening SD, Jones MH, Colbrunn R, Miniaci A. AOSSM, Keystone, CO; July, 2009.
5. Traver JL, Guzman MA, **Kaar SG**, Cannada LK. Is the Axillary Nerve at Risk During a Deltoid-Splitting Approach for Proximal Humerus Fractures? American Academy of Orthopaedic Surgeons Annual Meeting, New Orleans, LA, March 2014.
6. Okoroafor UC, Saint-Preux F, Gill SW, **Kaar SG**. Non-Anatomic Tibial Tunnel Placement For Single Bundle PCL Reconstruction Leads To Greater Posterior Tibial Translation In A Biomechanical Model. Arthroscopy Association of North America Annual Meeting, Boston, MA, April 2016.
7. Corey R, **Kaar SG**, Cannada, L. Should We Throw Away the External Fixator for Knee Dislocations? OTA Annual Meeting, National Harbor, MD; October, 2016.

Regional Meetings:

1. Schickendantz MS, **Kaar SG**, Meister K, Lund P, Beverley L. Latissimus dorsi and teres major tears in professional baseball pitchers: A case series. Mid America Orthopaedic Association Meeting, Amelia Island, FL; March, 2009.
2. Azzam MG, Lenarz CJ, Farrow LD, Israel HA, Kieffer DA, **Kaar SG**. Inter and intraobserver reliability of the clock face representation as used to describe the femoral intercondylar notch. Mid America Orthopaedic Association Annual Meeting, Austin, TX; April, 2010.
3. Silver AG, **Kaar SG**, Grisell MK, Reagan JM, Farrow LD. Use of a flexible pin for drilling the femoral tunnel in anterior cruciate ligament reconstruction. Mid America Orthopaedic Association Annual Meeting, Austin, TX; April, 2010.
4. Ahmed M, Young BT, Bledsoe G, Cutuk A, **Kaar SG**. Biomechanical Comparison of an All Soft-Tissue Technique vs. Interference Screw Fixation for Subpectoral

- Tenodesis of the Long Head of the Biceps. Mid America Orthopaedic Association Annual Meeting, Amelia Island, FL; April, 2013.
5. Kaplan-List K, Kowalchuk RM, **Kaar SG**. Preoperative and Postoperative Radiographic Evaluation of Reverse Total Shoulder Arthroplasty(RTSA) from an Orthopedic Surgeon's Perspective: Changes in Prosthetic Design, Positioning, Imaging Appearance, Complications and Normal Post-surgical Changes. New York State Society of Radiologic Sciences Annual Conference, Corning, NY, October 2013
 6. Worden A, **Kaar SG**, Owen J, Cutuk A. Novel Radiographic and Anatomic Evaluation of Tibial Tubercle–Trochlear Groove (TT-TG) Distance. Mid America Orthopaedic Association Annual Meeting, San Antonio, TX; April, 2014.
 7. Ebersole GM, Eckerle P, Farrow LD, Cutuk A, Bledsoe G, **Kaar SG**. Anterior Cruciate Ligament Graft Isometry is Affected by the Orientation of the Femoral Tunnel. Mid America Orthopaedic Association Annual Meeting, San Antonio, TX; April, 2014.
 8. Traver JL, Guzman MA, **Kaar SG**, Cannada LK. Is the Axillary Nerve at Risk During a Deltoid-Splitting Approach for Proximal Humerus Fractures? Mid America Orthopaedic Association Annual Meeting, San Antonio, TX; April, 2014.
 9. Okoroafor UC, Saint-Preux F, Gill SW, **Kaar SG**. Does Proximal-Distal Tibial Tunnel Placement for PCL Reconstruction Matter? Mid America Orthopaedic Association Annual Meeting, Bonita Springs, FL; April, 2015.
 10. Shakir SA, Patel NH, Chamberland RR, **Kaar SG**. Investigation of cell phones as a potential source of bacterial contamination in the operating room. OREF/ORS St. Louis Region Resident Research Symposium, St Louis, MO; Sept, 2016

Poster Research Presentations

National Meetings:

1. The Effect of Humeral Head Defect Size on Glenohumeral Stability. **Kaar SG**, Fening SD, Jones MH, Colbrunn R, Miniaci A. Orthopaedic Research Society Annual Meeting, Las Vegas, NV; February, 2009.
2. Silver AG, **Kaar SG**, Grisell MK, Reagan JM, Farrow LD. Use of a flexible pin for drilling the femoral tunnel in anterior cruciate ligament reconstruction. AANA Annual Meeting, Hollywood, FL; May 2010.
3. Azzam MG, Lenarz CJ, Farrow LD, Israel HA, Kieffer DA, **Kaar SG**. Inter and intraobserver reliability of the clock face representation as used to describe the femoral intercondylar notch. AANA Annual Meeting, Hollywood, FL; May 2010.
4. Wallace M, Bedi A, Lesniak BP, Farrow LD, Ajibade D, **Kaar SG**. What effect does ACL Tibial Guide Orientation Have on Tibial Tunnel Length? AANA Annual Meeting, San Francisco, CA; April, 2011.

5. Farrow LD, Huston K, **Kaar, SG**. A Simple Radiographic Sign Vertical Femoral Tunnel Placement During Anterior Cruciate Ligament Reconstruction. AAOS Annual meeting, San Francisco, CA; February 2012
6. Ahmed M, Young BT, Bledsoe G, Cutuk A, **Kaar SG**. Biomechanical comparison of an all soft-tissue technique vs. interference screw fixation for subpectoral tenodesis of long head of the biceps. AANA Annual Meeting, San Antonio, TX; April 2013
7. Kaplan-List K, Kowalchuk RM, **Kaar SG**. Preoperative and Postoperative Radiographic Evaluation of Reverse Total Shoulder Arthroplasty(RTSA) from an Orthopedic Surgeon's Perspective: Changes in Prosthetic Design, Positioning, Imaging Appearance, Complications and Normal Post-surgical Changes. RSNA Annual Meeting, Chicago, Illinois; December 2013
8. Udawatta T, Flesch L, Eng, M, Oliphant JE, Kaar, SG. Health Literacy and Patient Reported Outcomes in Orthopaedic Surgery Patients. ORS Annual Meeting, San Diego, CA; March 2017

Regional Meetings:

1. Sinatra PM, Jernick JL, Bledsoe G, **Kaar SG**. Contribution of tension-reducing rotator cuff sutures on plate fixation of proximal humerus fractures. Mid America Orthopaedic Association Annual Meeting, Amelia Island, FL; April 2013
2. Corey RM, Cannada LK, Park NK, **Kaar SG**. Should we throw away the external fixator for knee dislocations? Mid America Orthopaedic Association Annual Meeting, Amelia Island, FL; April 2017

SUPPLEMENTAL MATERIAL:

Invited CME Talks:

1/22/2016 Faculty at St. Louis Hip Skills Course: Hip Arthroscopy and Hip Impingement. Hip arthroscopy lab instructor and course lecturer: Abductor Tears of the Hip. PASE lab, Saint Louis, MO.

1/12/2016 Pediatric orthopaedic sports medicine injuries. Cardinal Glennon Children's Hospital online CME webinar. St Louis, MO.

12/15/2015 Hand injuries in sports medicine. St Louis Hand Special Interest Group monthly speaker. St Louis, MO.

8/4/2015 Falls in the Elderly. Breakthrough Coalition monthly speaker, Saint Louis, MO.

7/10/2015 Quadriceps, Patellar and Hamstring Injuries in Athletes. Instructional Course Lecture at AOSSM Annual Meeting, Orlando, FL.

4/28/2015 Is the Marx Activity Score valid for use in patients less than 18 years of age? Cleveland Clinic Foundations Sports Medicine Alumni Meeting, Barcelona, Spain.

2/11/2015 Knee injuries in worker's compensation patients. Guest speaker for Mercy POWER program. Mercy Hospital, Saint Louis, MO.

7/10/2014 Quadriceps, Patellar and Hamstring Injuries in Athletes. Instructional Course Lecture at AOSSM Annual Meeting, Seattle, WA.

4/24/2014 Shoulder Injuries Seen in the Emergency Department. Illinois Academy of Physician Assistants CME Seminar. Belleville Memorial Hospital, Belleville, IL.

3/27/2014 Hip Preservation in the Young Patient. Saint Marys Hospital SSM Physical Therapy. Invited Lecturer, Saint Louis, MO.

2/2013, 2/2014 Faculty at St. Louis Hip Skills Course: Hip Arthroscopy and Hip Impingement. Hip arthroscopy lab instructor and course lecturer: Operative Management of Labral and Cartilage Tears of the Hip. PASE lab, Saint Louis, MO.

10/2/2009, 5/11/2012, 1/10/2014 ACL and Meniscus Injuries. Saint Louis University Department of Rheumatology Grand Rounds, Saint Louis, MO.

5/31/2013 Hip Injuries in Athletes. Missouri Athletic Trainers Association Annual Symposium and Meeting, Saint Louis, MO

5/14/2013 Common Pediatric Sports Injuries. Cardinal Glennon Pediatric Emergency Medicine Trauma Lecture Series, Saint Louis, MO.

5/9/2013 The Role of Magnetic Resonance Imaging in a Division I University Sports Medicine Program. Cleveland Clinic Foundation Sports Medicine Alumni Meeting, Naples, FL.

9/19/2012 Common Shoulder Sports Medicine Injuries. Saint Mary's Hospital Saint Louis University Department of Family and Community Medicine, Grand Rounds, Saint Louis, MO.

7/17/2012 Common Shoulder Sports Medicine Injuries. Saint Johns Mercy Hospital Department of Internal Medicine Grand Rounds, Saint Louis, MO.

5/11/2012 Common Knee Sports Medicine Injuries. Saint Louis University Department of Rheumatology Grand Rounds, Saint Louis, MO.

4/26/2012 to 4/28/2012 Teaching faculty for Annual Advances in Arthritis, Arthroplasty and Trauma, Saint Louis, MO.

1. Optimizing Outcomes Following Knee Surgery: Peri-operative Pain Management
2. Acute Evaluation of the Dislocated Knee and Approach To Multiple Ligament Injuries
3. Controversies in Sports Medicine—Case Presentations and Panel Discussions: Moderator

4. Recent Advances in DVT and Blood Management in Knee Surgery Panel
Discussion: Panelist
5. Non-Surgical Management of the Arthritic Injured Knee: Rapid Fire: Panelist

11/18/2011 Common sports injuries in pediatric patients. Midwest Pediatric Trauma Conference, Saint Louis, MO.

5/12/2011 Inter and intraobserver reliability of the clock face representation as used to describe the femoral intercondylar notch. Cleveland Clinic Foundation Sports Medicine Alumni Meeting, Manaus, Brazil.

9/16/2010 Locked plating. Biomedical Engineering Department Grand Rounds Lecture, Saint Louis University, Saint Louis, MO.

7/15/2010 Common sports medicine cases. Saint Louis University Division of Emergency Medicine Grand Rounds lecture, SLU Hospital, Saint Louis, MO.

9/16/2009 Common spine sports medicine injuries. Advanced Techniques in Cervical Spine Decompression and Stabilization, PASE lab, St Louis, MO.

8/13/2009 ACL injuries and prevention strategies. Forest Park Hospital, Annual Coaches Clinic, Saint Louis, MO.

6/6/2009 Nerve injuries of the shoulder. Missouri Athletic Trainers Association Annual Meeting, Saint Louis, MO.

9/18/2008 Thoracolumbar spine injuries in athletes. Complex Spine Course, Practical Anatomy and Surgical Education Lab, Saint Louis, MO.

Invited non-CME Talks:

7/20/15, 7/7/2014, 6/6/2011 Anterior cruciate ligament injuries. Guest speaker for the Adventures in Medicine and Science program. PASE lab, Saint Louis, MO.

3/2/2015 CASE, PASE, Gift of Life Program. Guest speaker for SLU undergraduate course: Strategic Management 400. Saint Louis, MO.

4/9/2014 Concussions in adolescents and teenagers. Guest speaker at the Rush Soccer Club. Rockwood Summit High School, Fenton, MO.

4/7/2014 Management and leadership. An orthopaedic surgeon's perspective. Guest speaker for SLU undergraduate course: Management Theory and Practice 300. Saint Louis, MO.

4/2/2014 ACL injuries and prevention strategies. Guest speaker at the Rush Soccer Club. Rockwood Summit High School, Fenton, MO.

8/22/2013 Falls in the Elderly. An interactive discussion on what to know, what to ask your doctor and how to prevent them with some easy tips and exercises. Guest speaker at the Brentmoor at the Senior Resource Teams Meeting, Saint Louis, MO.

2/27/2013 Falls in the elderly. An interactive discussion on what to know, what to ask your doctor and how to prevent them with some easy tips and exercises. Guest speaker at the Crowne Center Older Adult Community Action Program Meeting, Saint Louis, MO.

8/21/2012 Common Sports Medicine Injuries in Adolescents and Teenagers. Saint Louis Public Library, Saint Louis, MO.

3/3/2009 Common orthopaedic issues in the elderly. Guest speaker at the Gatesworth McKnight Place Assisted Living, Saint Louis, MO.