

CURRICULUM VITAE

Joseph J. Krob, MD

NAME:

Joseph J . Krob, MD
Core Orthopedics and Sports Medicine
555 Biesterfield Road
Elk Grove Village IL 60007
847-690-1776

EDUCATION:

UNDERGRADUATE:

Wesleyan University
Bloomington, IL
Bachelor of Arts, Biology
Minor Degree- Economics
May 2014

HONORS:

Summa Cum Laude, 2014
Academic Excellence Award (Academic All-Conference)
Omicron Delta Epsilon Economics Honor Society, 2013-2014
Beta Beta Beta Biology Honor Society, 2012-2014

**MEDICAL
SCHOOL:**

University of Illinois College of Medicine at Peoria
Peoria, IL
Doctor of Medicine, 2019

HONORS:

Graduate with Honors, 2019
Golden Glove Award, 2015

INTERNSHIP:

Loyola University Medical Center
Orthopedic Surgery

HONORS:

Intern of the Year, 2019-2020

RESIDENCY:

Loyola University Medical Center
July 2019-May 2024

HONORS:

Consultant of the Year, 2020-2021

FELLOWSHIP:

Kaiser Permanente Northern California
Oakland Medical Center
July 2024-July 2025

LICENSURE:

State of Illinois Expiration: 07/31/2026
State of Wisconsin Expiration: 10/31/2025

BOARD**CERTIFICATION:**

Board Eligible 2027

BOARD**RECERTIFICATION:****WORK EXPERIENCE:**

Core Orthopedics & Sports Medicine
Elk Grove Village, IL 60007
Orthopedic Spine
August 2025- Present

HOSPITAL**STAFF PRIVILEGES:**

Advocate Good Shepherd, Barrington, IL
Alexian Brothers Hospital, Elk Grove Village, IL
St. Alexius Medical Center, Hoffman Estates, IL
Geneva Surgical Suites, Genoa City, WI

PROFESSIONAL

North American Spine Society
2021 – Present

American Academy of Orthopaedic Surgeons
2019 – Present

Gold Humanism Honor Society
2017- Present

PhiDE Medical Fraternity
2016-2019

Illinois State Medical Society
2015 – 2024

Peoria Medical Society
2015 – 2019

American Medical Association
201- Present

COMMITTEES:

American Academy of Orthopaedic Surgeons (AAOS)
American Board of Orthopaedic Surgery (ABOS)-board
eligible
North American Spine Society (NASS)
Society for Minimally Invasive Spine Surgery (SMISS)

PUBLICATIONS AND RESEARCH INTERESTS:

1. MacConnell A, Krob JJ, Muriuki MG, Havey RM, Matteini L, Wojewnik B, Baksh N, Patwardhan AG. Sequential correction of sagittal vertical alignment and lumbar lordosis in adult flatback deformity. *N Am Spine Soc J*. 2024 Aug 6;19:100544. doi: 10.1016/j.xnsj.2024.100544. PMID: 39286294; PMCID: PMC11403053. Altintas B, Storaci HW, Lacheta L, Dornan GJ, Krob JJ, Aman ZS, Anderson N, Rosenberg SI, Millett PJ. Superior Capsule Reconstruction Using Acellular Dermal Allograft Secured at 45° of Glenohumeral Abduction Improves the Superior Stability of the Glenohumeral Joint in Irreparable Massive Posterosuperior Rotator Cuff Tears. *Arthroscopy*. 2023 Apr;39(4):922-930. doi: 10.1016/j.arthro.2022.10.037. Epub 2022 Nov 4. PMID: 36343768.
2. Lacheta L, Brady A, Rosenberg SI, Dornan GJ, Dekker TJ, Anderson N, Altintas B, Krob JJ, Millett PJ. Biomechanical Evaluation of Knotless and Knotted All-Suture Anchor Repair Constructs in 4 Bankart Repair Configurations. *Arthroscopy*. 2020 Jun;36(6):1523-1532. doi: 10.1016/j.arthro.2020.01.046. Epub 2020 Feb 10. PMID: 32057982.
3. Astur DC, Novaretti JV, Cavalcante ELB, Goes A Jr, Kaleka CC, Debieux P, Krob JJ, de Freitas EV, Cohen M. Pediatric Anterior Cruciate Ligament Reruptures Are Related to Lower Functional Scores at the Time of Return to Activity: A Prospective, Midterm Follow-up Study. *Orthop J Sports Med*. 2019 Dec 10;7(12):2325967119888888. doi: 10.1177/2325967119888888. PMID: 31840033; PMCID: PMC6904784.
4. Ramos LA, Zogbi T, de Andrade EF, Taniguti de Oliveira G, Nicolini AP, Krob JJ, Yamashita J, Cohen M, Astur DC. Treatment and outcomes of lateral collateral ligament injury associated with anterior and posterior cruciate ligament injury at 2-year follow-up. *J Orthop*. 2019 May 27;16(6):489-492. doi: 10.1016/j.jor.2019.05.010. PMID: 31680737; PMCID: PMC6818338.
5. Nakama GY, Aman ZS, Storaci HW, Kuczmarski AS, Krob JJ, Strauss MJ. Different Suture Materials for Arthroscopic Transtibial Pull-out Repair of Medial Meniscal Posterior Root Tears: A Human Biomechanical Study. *Orthop J Sports Med*. 2019 Sep 30;7(9):2325967119873274. doi: 10.1177/2325967119873274. PMID: 31632997; PMCID: PMC6769225.
6. Schon JM, Brady AW, Krob JJ, Lockard CA, Marchetti DC, Dornan GJ, Clanton TO. Defining the three most responsive and specific CT measurements of ankle syndesmotic malreduction. *Knee Surg Sports Traumatol Arthrosc*. 2019 Sep;27(9):2863-2876. doi: 10.1007/s00167-019-05457-8. Epub 2019 Apr 24. PMID: 31020353.
7. Daney BT, Aman ZS, Krob JJ, Storaci HW, Brady AW, Nakama G, Dornan GJ, Provencher MT, LaPrade RF. Utilization of Transtibial Centralization Suture Best Minimizes Extrusion and Restores Tibiofemoral Contact Mechanics for Anatomic Medial Meniscal Root Repairs in a Cadaveric Model. *Am J Sports Med*. 2019 Jun;47(7):1591-1600. doi: 10.1177/0363546519844250. Epub 2019 May 15. PMID: 31091129.
8. Nakama GY, Kaleka CC, Franciozi CE, Astur DC, Debieux P, Krob JJ, Aman ZS, Kemler BR, Storaci HW, Dornan GJ, Cohen M, LaPrade RF. Biomechanical Comparison of Vertical Mattress and Cross-stitch Suture Techniques and Single- and Double-Row

Configurations for the Treatment of Bucket-Handle Medial Meniscal Tears. *Am J Sports Med.* 2019 Apr;47(5):1194-1202. doi: 10.1177/0363546519830402. Epub 2019 Mar 21. PMID: 30897004.

9. Aman ZS, Kennedy MI, Sanchez A, Krob JJ, Murphy CP, Ziegler CG, Provencher MT. Mini-open Repair of the Floating Anterior Inferior Glenohumeral Ligament: Combined Treatment of Bankart and Humeral Avulsion of the Glenohumeral Ligament Lesions. *Arthrosc Tech.* 2018 Nov 19;7(12):e1281-e1287. doi: 10.1016/j.eats.2018.08.015. PMID: 30591875; PMCID: PMC6305904.
10. Fagotti L, Kemler BR, Utsunomiya H, Storaci HW, Krob JJ, Brady AW, Turnbull TL, Philippon MJ. Effects of Capsular Reconstruction With an Iliotibial Band Allograft on Distractive Stability of the Hip Joint: A Biomechanical Study. *Am J Sports Med.* 2018 Dec;46(14):3429-3436. doi: 10.1177/0363546518802841. Epub 2018 Nov 1. PMID: 30382750.
11. Yoo, J. S., Laughlin, T. J., Krob, J. J., & Mohan, R. S. (2015). Bismuth(III) bromide catalyzed synthesis of polyhydroquinoline derivatives via the Hantzsch reaction. *Tetrahedron Letters*, 56(27), 4060–4062. <https://doi.org/10.1016/j.tetlet.2015.04.121>

Ongoing Research

1. “Effect of lordosis correction on spine equilibrium, cone of economy biomechanical analysis” – Data analysis and manuscript drafting, Target abstract - NASS, Target journal – The Spine Journal
2. “Efficacy of restoration of lumbar lordosis using lumbar interbody cages” – Data analysis and manuscript drafting, Target abstract - NASS, Target journal – The Spine Journal
3. “Novel interfacet fusion cages as adjunct to lumbar interbody fusion”
4. “Effects of ethanol on rotator cuff healing: a biomechanical, histologic and growth factor analysis” – Manuscript Drafting – Submitted to OJSM
5. “Biomechanical analysis of double strand knots over bone tunnels” – Testing/Data collection phase
6. Nicolini, A., Mansur, N.S.B., Dreyfuss, J.L., Krob, J.J., Ejnisman, B., Cohen, M., Astur, D.C. Evaluation of early degeneration of cartilage in patients with anterior cruciate ligament injury: analysis using urine CTX-II biomarker. – In review
7. “Sand Toe”: Hyperplantarflexion of the First Metatarsophalangeal Joint in a Beach Volleyball Player: A Case Report” Joseph J. Krob, MD, Bryson R. Kemler, MS, Alex S. Kuczmarski, MS, Thomas O. Clanton, MD
8. “Redefining protocol for return to play following ankle injury” Anastasia Robinson PT, DPT, OCS, Joseph J. Krob, MD, Mitchell Kennedy, BS, Bryson R. Kemler, MS, Thomas O. Clanton, MD
9. “Biomechanical Analysis of Bucket Handle Meniscus Tears in the Setting of ACL Deficient Knees” Catherine Logan, MD, Zachary S. Aman, BA, Joseph J Krob, MD, Bryson R. Kemler, MS, Hunter Storaci, MS, Robert F. LaPrade, MD, PhD
10. “Biomechanical measurement of femoral head translation during range of motion tests using a 6 degrees of freedom robotic system: Comparison between native and hip instability model and review of the literature” Hajime Utsonomiya, MD, Joseph J. Krob, MD, Bryson R. Kemler, MS., Alex W. Brady, MSc., Marc J Philippon, MD

11. "Biomechanical comparison of hybrid repair and two-tunnel technique for radial tears of the medial meniscus" Patrick S. Buckley, MD, Bryson R. Kemler, MS, Zachary S. Aman, BA, Joseph J. Krob, MD, Hunter Storaci, MS, Robert F. LaPrade, MD, PhD.
12. "Quantification of Hip Microinstability, Part 1: Capsular contributions to pathology" Hajime Utsonomiya, MD, Joseph J. Krob, MD, Bryson R. Kemler, MS., Alex W. Brady, MSc., Marc J Philippon, MD
13. "Quantification of Hip Microinstability, Part 2: Labral contributions to pathology" Hajime Utsonomiya, MD, Joseph J. Krob, MD, Bryson R. Kemler, MS., Alex W. Brady, MSc., Marc J Philippon, MD
14. "Biomechanical Analysis of Lateral Ankle Instability using a 6 degrees of freedom robotic system" – Thomas O. Clanton, MD, Alex W Brady, MSc., Joseph J. Krob, MD, Alexander S. Kuczmarski, MS, Samuel Rosenberg, BS.