

# Ravand Sam Khazai M.D.

## EDUCATION/TRAINING

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The University of California Davis Medical Center, Sacramento, CA <i>Fellowship, Orthopaedic Trauma</i> <i>Program Directors: Mark Lee, MD; Jonathan Eastman, MD</i>	2019-2020
Centre Hospitalier Universitaire Vaudois, Lausanne, Switzerland <i>Fellowship, AO Trauma Foundation, Orthopaedic Traumatology &amp; Septic Surgery</i> <i>Faculty Sponsor: Olivier Borens, MD</i>	2021
The University of Chicago Medical Center, Chicago, IL <i>Residency, Orthopaedic Surgery</i> <i>Program Director: Brian C. Toolan, MD; Chair: Douglas R. Dirschl, MD</i>	2014-2019
University of Missouri School of Medicine, Columbia, MO <i>Medical School, M.D.</i>	2010-2014
Northwestern University, Evanston, IL <i>Undergraduate, B.A. Chemistry &amp; Mathematics, minor Political Science</i>	2006-2010

## APPOINTMENTS

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Attending Surgeon, Orthopaedic Trauma <i>Panorama Orthopaedics &amp; Spine, Denver, CO</i> <i>Hospital Affiliations: St. Anthony Medical Center</i>	2023-pres.
Assistant Professor of Orthopaedic Surgery <i>Boston University School of Medicine</i> <i>Dept. Orthopaedic Surgery, Boston, MA</i>	2021-2023
Attending Surgeon, Orthopaedic Trauma <i>Steward Medical Group Dept. of Orthopaedic Surgery, Boston, MA</i> <i>Hospital Affiliations: St. Elizabeth's Medical Center, Good Samaritan Medical Center</i>	2020-2023
Chief of Orthopaedic Trauma <i>Good Samaritan Medical Center, Brockton, MA</i>	2022-2023
Preceptor, Boston Orthopaedics and Trauma Fellowship <i>Good Samaritan Medical Center, Brockton, MA</i>	2022-2023
Reviewer, Journal of the American Academy of Orthopaedic Surgeons <i>Trauma Section</i>	2022-pres.

## LICENSURE/CERTIFICATIONS

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American Board of Orthopaedic Surgery, Board Certified	2023-pres.
United States Drug Enforcement Agency Controlled Substance Registration	2014-pres.
Colorado State Medical License, physician/surgeon	2023-pres.
Massachusetts State Medical License, physician/surgeon	2020-2023
Massachusetts Controlled Substance Registration (MSCR)	2020-2023
California State Medical License, physician/surgeon	2019-2021
California State Fluoroscopy Supervisor's License	2019-2021
Basic Life Support and Advanced Cardiovascular Life Support Certified	2014-pres.
Illinois State Medical License	2014-2019
USMLE Step 3: passed	2015
USMLE Step 2 CS: passed	2014
USMLE Step 2 CK: passed, score 254	2013
USMLE Step 1: passed, score 267	2012

## PUBLICATIONS

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1. Gallizzi MA, **Khazai RS**, Gagnon CM, Bruehl S, Harden RN. Use of a medication quantification scale for comparison of pain medication usage in patients with complex regional pain syndrome (CRPS). *Pain Med* 2015 Mar. PMID: 25220567 2015
2. Sherman SL, James CH, Stoker AM, Cook CR, **Khazai RS**, Flood DL, Cook JL. In vivo toxicity of local anesthetics and corticosteroids on chondrocyte and synoviocyte viability and metabolism. *Cartilage*. 2015 April. PMID: 26069713 2015
3. Sherman SL, **Khazai RS**, James CH, Stoker AM, Flood DL, Cook JL. In vitro toxicity of local anesthetics and corticosteroids on chondrocyte and synoviocyte viability and metabolism. *Cartilage*. 2015 Oct. PMID: 26425261 2015
4. **Khazai RS**, Boyadjian H, Lindsay-Rivera K, Shi LL, Athiviraham A. Early Rates of Revision of Knee Cartilage Restoration Surgery and Conversion to Arthroplasty within Five Years. *Orthopaedic Journal of Sports Medicine*. 2017 Jul. PMID: 5542114 2017
5. **Khazai RS**, Boyadjian H, Shi LL, Athiviraham A. Rates of Revision Surgery and Total Costs for Patients Undergoing SLAP Repair vs. Biceps Tenodesis. *Arthroscopy*. 2017 June. 2017
6. **Khazai RS**, Weatherford BM. Current Strategies in the Management of Syndesmotic Injuries. *Techniques in Foot and Ankle Surgery*. 2018 Sept. 2018
7. Stewart RJ, Landy DC, Cohen JB, **Khazai RS**, Ho SS, Dirschl DR. Neurovascular Injury Following Knee Dislocation: The Association of Mechanism Energy and Its Modifying Effect. *J Ortho Trauma*. 2018 Nov. PMID: 30086041 2018
8. **Khazai RS**, Lee CS, Boyajian HH, Shi LL, Athiviraham A. Rates of Subsequent Shoulder Surgery Within Three Years for Patients Undergoing SLAP Repair versus Biceps Tenodesis. *Arthroscopy, Sports Medicine and Rehabilitation*. 2020 April. PMID: 32368749. 2020

9. Tejawani N, **Khazai RS**, Gladden P, Wolinsky PW. Femur Fractures: Reduction Techniques and Fracture Management. 2021 Jan, *Journal of the American Academy of Orthopaedic Surgeons*. PMID: 33438907 2021
10. **Khazai RS**, Boyadjian H, Shi LL, Wolf JM. Trends in Incidence and Treatment Setting of Fingertip Injuries in the United States. Manuscript in preparation. 2023

## **PRESENTATIONS**

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1. **Khazai RS**, Puri L. Inter-Surgeon Drivers of Perioperative Cost Variance for Total Hip Arthroplasty. Orthopaedic Research Education Fund Midwest Research Symposium. Chicago, Illinois (podium) 2018
2. **Khazai RS**, Wloadarski C, Puri L. Implant Cost Standardization Significantly Changes Overall Perioperative Costs in Total Joint Arthroplasty. American Academy of Orthopaedic Surgeons Annual Meeting, New Orleans, Louisiana (podium). 2018
3. Perrone M, Shultz P, **Khazai RS**, Petravick M, Conti Mica M. Incidence and Characteristics of Carpal Tunnel Release Following Open Reduction and Internal Fixation of Distal Radius Fractures: A 12-Year Review. American Society for Surgery of the Hand National Annual Meeting, San Francisco, California (poster). 2017
4. **Khazai RS**, Boyadjian H, Shi LL, Athiviraham A. Rates of Revision Surgery and Total Costs for Patients Undergoing SLAP Repair vs. Biceps Tenodesis. Arthroscopy Association of North America Annual Meeting, Denver, Colorado (podium). 2017
5. **Khazai RS**, Boyadjian H, Lindsay-Rivera K, Shi LL, Athiviraham A. Early Rates of Revision of Knee Cartilage Restoration Surgery and Conversion to Arthroplasty within Five Years. American Orthopaedic Society for Sports Medicine National Meeting, Toronto, Canada (poster). 2017
6. **Khazai RS**, Boyadjian H, Shi LL, Wolf JM. Trends in Incidence and Treatment Setting of Fingertip Injuries in the United States. American Society for Surgery of the Hand National Annual Meeting, San Francisco, California (poster). 2017
7. Mosenthal WP, Boyajian HH, **Khazai RS**, Conti Mica MA. Treatment Trends and Complications of Distal Radius Fractures: Does Age Matter? American Society for Surgery of the Hand National Annual Meeting, San Francisco, California (poster). 2017
8. Gopaldas R, **Khazai RS**, Tarrant R, Chinnapapu M, Ge B, Coughenour J. Predictive Value of 3D Volumetric Estimation of Pulmonary Contusion on Clinical Outcomes of Blunt Trauma Patients., American College of Surgeons 99<sup>th</sup> Clinical Congress, Washington, DC (podium). 2013
9. **Khazai R**, Brush R, Saidan L, Kleiner K, Gopaldas R. Volumetric Assessment of Lung Capacity and Contusion in Blunt Chest Trauma Patients. University of Missouri Health Sciences Expo, Columbia, MO (poster). 2011

## **ADDITIONAL RESEARCH IN PROGRESS**

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Landy DC, **Khazai RS**, Tafur A, Puri L\_Capri Score Utilization for Venous Thromboembolism Risk Stratification in an Arthroplasty Practice. Abstract submitted, AAOS Annual Meeting.

**Khazai RS**, Eastman JG. Biomechanical comparison of plate vs. intramedullary screw fixation of iliac crest fracture. In design stage.

## **MEMBERSHIPS & HONORS**

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Member, AO Trauma North America	2019-pres.
Member, Orthopaedic Trauma Association	2017-pres.
Member, Good Samaritan OR Steering Committee	2021-pres.
Member, Good Samaritan Trauma Review Committee	2021-pres.
Member, Good Samaritan Orthopaedic Department Steering Committee	2022-pres.
Member, American Academy of Orthopaedic Surgeons	2014-pres.
Member, Massachusetts Orthopaedic Association	2020-pres.
Member, Sierra Sacramento Valley Medical Society	2019-2021
Member, California Medical Association	2019-2021
Member, University of Chicago Promotions and Honors Committee	2014-2019
Resident representative to University of Chicago Orthopaedic Faculty	2017-2019
Member, University of Chicago Hip Fracture Care Improvement Initiative	2016-2019
Clinical Letters of Commendation in Surgery, Neurology, and Pediatrics at the University of Missouri School of Medicine	2013-2014

## **SKILLS/PROFESSIONAL INTERESTS**

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Language: English, working knowledge of French, Farsi

Areas of surgical specialty: Management of polytraumatized patients and damage control orthopaedics, complex fracture repair (including open, periarticular, and periprosthetic fractures), pelvic and acetabular fractures, minimally invasive fracture surgery and indirect reduction techniques, malunion and nonunion repair, limb lengthening and deformity correction

Education of medical students, residents, mid-level and cross discipline providers on orthopaedic trauma principles, fracture care, and procedural/surgical techniques

## **PERSONAL INTERESTS**

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Cooking, hiking, triathlons, marathons, & racing, camping, reading, spending time with my wife and dog, weightlifting, film, SCUBA diving, Brazilian jiu-jitsu, home brewing, traveling