Stanford



Robin Kamal MD MBA

Associate Professor of Orthopaedic Surgery and, by courtesy, of Surgery (Plastic and Reconstructive Surgery)

CLINICAL OFFICE (PRIMARY)

- **Hand and Upper Extremity North Campus**
  450 Broadway St
  Pavilion A 2nd Fl MC 6120
  Redwood City, CA 94063
  Tel (650) 723-5256 **Fax** (650) 721-3420

ACADEMIC CONTACT INFORMATION

- **Administrative Contact**
  Janet Lockshin - Administrative Associate
  Email lockshin@stanford.edu
  Tel 650-724-7614

Bio

BIO

Dr. Robin Kamal is the Co-Director of the Chase Hand and Upper Limb Center at Stanford University, a multidisciplinary center focused on the operative and nonoperative management of upper limb conditions. He is recognized internationally for his treatment of hand and wrist conditions, including distal radius fractures and arthritis. He is an Associate Professor in the Department of Orthopaedic Surgery and is Medical director of Accountable Care for Stanford Health Care. He completed his undergraduate and medical education at the University of Missouri Kansas City, and graduated with Alpha Omega Alpha and Cum Laude honors. He completed residency in Orthopaedic Surgery (Brown University), a fellowship in Orthopaedic Trauma Surgery (Brown University), and a fellowship in Hand and Upper Extremity, and Microvascular Surgery (Duke University). He completed a Masters in Business Administration from the University of Massachusetts-Amherst and a Masters in Health Policy from Stanford University. His clinical research training includes studying wrist injuries (distal radius fractures/ligament tears) as a research fellow at the University of Barcelona as well as research fellowships at the National Institutes of Health and the University of Iowa.

Dr. Kamal lectures on hand/wrist surgery and accountable care internationally, including Australia, Singapore, Japan, Costa Rica, England, Canada, Vietnam, Cambodia, Ecuador, and Spain. He also serves as a Boards Examiner for the The College of Surgeons of East & Central and Southern Africa (COSECSA).

Nationally, Dr. Kamal was Chair of the AAOS Clinical Practice Guidelines for Distal Radius Fractures and is the Co-Chair of the Clinical Practice Guidelines for Carpal Tunnel Syndrome. He has previously Chaired the development of Quality Measures for Carpal Tunnel Syndrome for the American Academy of Orthopaedic Surgeons and the American Society for surgery of the Hand. He currently serves as Co-Chair of the Core Quality Measures Collaborative for NQF/AHIP and a board member of the American Association of Hand Surgery, and is an editor of the textbook Comprehensive Board Review in Orthopaedic Surgery. He has served as a grant reviewer for the Department of Defense and is an Associate Editor for HAND.

His main surgical interests are in trauma and arthritis surgery of the upper limb (hand, wrist, and elbow) with an interest in wrist/distal radius fractures. He strives to provide his patients the highest quality care possible - a commitment he makes his foremost priority. His research and clinical practice are

devoted to improving hand, wrist, and elbow function and he treats upper extremity nerve compression syndromes (carpal tunnel), instability/arthritis (finger, wrist, or elbow joint replacement), sports/athletic injuries and fracture care including nonunion/malunion, and minimally invasive arthroscopy.

At Stanford, Dr. Kamal directs the VOICES Health Policy Research Center for the Department of Orthopaedic Surgery where he collaborates with physicians across the country.

Dr. Kamal has >250 peer reviewed publications and his research program focuses on the following (http://med.stanford.edu/s-voices.html):

1) Radiographic and surgical techniques for distal radius fractures

2) Patient reported outcome measures at point of care

3) Quality measurement in medicine

4) Implementation of accountable care strategies and processes to improve value

CLINICAL FOCUS

- Hand, Wrist, and Elbow Surgery
- Upper Extremity Trauma
- Hand Surgery

ACADEMIC APPOINTMENTS

- Associate Prof-Univ Med Line, Orthopaedic Surgery
- Associate Prof-Univ Med Line (By courtesy), Surgery - Plastic & Reconstructive Surgery
- Member, Wu Tsai Human Performance Alliance

ADMINISTRATIVE APPOINTMENTS

- Consulting Editor, American Family Physician, (2016- present)
- Consulting Editor, Journal of Oncology Practice, (2016- present)
- Consulting Editor, Journal of Shoulder and Elbow Surgery, (2016- present)
- Consulting Editor, Journal of Hand Surgery, (2015- present)
- Member, Volunteer Services Committee, American Society for Surgery of the Hand, (2014- present)
- Member, Performance Measures Task Force of the American Society for Surgery of the Hand, (2014- present)
- Member, Hand Surgery Quality Consortium, (2014- present)
- Clinician Scholar Development Program, AAOS/OREF/ORS, (2012- present)
- Emerging Leader, American Orthopaedic Association, (2011- present)
- Information Services Advisory Committee, Rhode Island Hospital, (2011-2012)
- President, UMKC School of Medicine Student Body Member, (2005-2006)
- Alumni Board, UMKC School of Medicine, (2004-2006)

HONORS AND AWARDS

- Award for Community Service, UMKC School of Medicine Schaffer (2004)
- Alpha Omega Alpha (AOA), UMKC School of Medicine (2006)
- Award For Research, St. Louis Friends of UMKC School of Medicine (2007)
- Alumni Association Award for Outstanding Research, UMKC School of Medicine (2007)
- Award for Scientific presentation at Annual Meeting, “Best of the AAOS” (2012)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Fellow, American Academy of Orthopaedic Surgeons (2017 - present)
- Member, American Society for Surgery of the Hand (2018 - present)
- Registered Disaster Responder, American Academy of Orthopaedic Surgeons (2013 - present)
- Candidate Member, American Association for Hand Surgery (2011 - present)
- Emerging Leader, American Orthopaedic Association (2011 - present)
- Member, International Society of Orthopaedic Surgery and Traumatology (SICOT) (2012 - present)
- Candidate Member, Orthopaedic Trauma Association (2013 - present)

PROFESSIONAL EDUCATION

- Medical Education: University of Missouri Kansas City School of Medicine (2007) MO
- Fellowship: Duke University Medical Center Dept of Orthopaedic Surgery (2014) NC
- Fellowship: Brown University Rhode Island Hospital Orthopaedic Trauma Fellowship (2013) RI
- Residency: Brown University Rhode Island Hospital Orthopaedic Surgery Residency (2012) RI
- Internship: Brown University Surgery Residency (2008) RI
- Board Certification: Hand Surgery, American Board of Orthopaedic Surgery (2017)
- Board Certification: Orthopaedic Surgery, American Board of Orthopaedic Surgery (2016)
- Assistant Professor, Stanford University Medical Center , Department of Orthopaedic Surgery Chase Hand and Upper Limb Center
- Fellowship, Duke University Medical Center , Hand, Upper Extremity, and Microvascular
- Fellowship, Brown University/Rhode Island Hospital , Orthopaedic Trauma
- Residency, Brown University/Rhode Island Hospital , Orthopaedic Surgery
- Internship, Brown University/Rhode Island Hospital , General Surgery
- Doctor of Medicine, Cum Laude, University of Missouri-Kansas City School of Medicine , Doctor of Medicine

COMMUNITY AND INTERNATIONAL WORK

- Hand and Burn Surgery, La Paz, Bolivia
- English Teacher, Santa Domingo, Dominican Republic
- Medical Mission, San Lucas, Guatemala
- Orthopaedic Trauma, Hospital Roberto Calderon, Managua, Nicaragua
- Orthopaedic Trauma, Adventist Hospital, Port-Au-Prince, Haiti

LINKS

- Voices: http://med.stanford.edu/s-voices.html
- Get a Second Opinion: https://stanfordhealthcare.org/second-opinion/overview.html

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Wrist and Elbow Injuries and Quality Measures in Orthopaedic Surgery

CLINICAL TRIALS

- Does Goal Elicitation Improve Patient Perceived Involvement, Not Recruiting

- Question Prompt List for Common Hand Conditions, Not Recruiting
- Question Prompt List for Orthopaedic Conditions, Not Recruiting
- Testing of a Tool to Elicit Patient Preferences for CTS, Not Recruiting
- Trigger Finger Preference Elicitation Tool, Not Recruiting
- Alternatives to Hand Therapy for Hand Surgery Patients, Not Specified
- Comparison of Upper Extremity and Lower Extremity Function and Quick DASH, Not Specified
- PROMs To Improve Care- Standardized vs Patient Specific, Not Specified

PROJECTS

- Does Ligament Elasticity Affect Carpal Kinematics?
- Quality Measure Development in Hand Surgery
- Patient-Centered Education Tools

Teaching

STANFORD ADVISEES

Med Scholar Project Advisor

Eshan Damle, Chiamaka Obilo, Max Ruiz, Emily Schultz, Hubert Tuyishime, Bill Young

Publications

PUBLICATIONS

- **In whom are distal radius fracture patient reported outcome measures developed? A systematic review of development studies** *JOURNAL OF ORTHOPAEDICS*
  Ulysse, S. N., Rivas, Z., Stern, B. Z., Kamal, R. N., Abrolat, J. L., Orozco, C. F., Lalchandani, G., Shapiro, L. M.
  2026; 72: 325-331
- **In whom are distal radius fracture patient reported outcome measures developed? A systematic review of development studies.** *Journal of orthopaedics*
  Ulysse, S. N., Rivas, Z., Stern, B. Z., Kamal, R. N., Abrolat, J. L., Orozco, C. F., Lalchandani, G., Shapiro, L. M.
  2026; 72: 325-331
- **Evaluating the Safety of Prescription Sleep Medications in Patients Undergoing Total Knee Arthroplasty: A Propensity Matched Analysis.** *The Journal of the American Academy of Orthopaedic Surgeons*
  Young, B., Zhuang, T., Fernando, N., Manner, P., Kamal, R. N., Hernandez, N. M.
  2025
- **Factors Associated With Time to Surgery of Geriatric Hip Fractures: An Analysis of the American College of Surgeons' Trauma Quality-Improvement Program Database.** *The Journal of the American Academy of Orthopaedic Surgeons*
  Zhuang, T., Shapiro, L. M., Koltsov, J. C., Harris, A. H., Baker, L. C., Morris, A., Gardner, M. J., Tennakoon, L., Spain, D. A., Kamal, R. N.
  2025
- **Drivers of Delayed Time to Surgery for Hip Fracture Patients: A Multi-Center Qualitative Study.** *The Journal of the American Academy of Orthopaedic Surgeons*
  Schultz, E. A., Welch, J. M., Cross, W., Shah, K., Mansuripur, P. K., Kain, M., Holte, P., Lee, B. J., Burn, M., Hall, K., Willey, M., McKee, M., Pang, et al
  2025
- **Preparing for Medicare TEAM (Transforming Episode Accountability Model): Key Strategies for Success** *JOURNAL OF THE AMERICAN ACADEMY OF ORTHOPAEDIC SURGEONS*
  Kamal, R. N., Kerr, A., Shapiro, L. M.
  2025; 33 (15): 826-835

- **Salvaging Proximal Pole Scaphoid Nonunions Using Ipsilateral Proximal Hamate Autograft: A Multicenter Case Series.** *Hand (New York, N.Y.)*
  Carlson Strother, C., Meaike, J., Elhassan, B., Kamal, R., Yao, J., Gaston, R. G., Kakar, S.
  2025: 15589447251352002

- **Metacarpal Fractures: An Evidence-Based Review to Guide Treatment.** *The Journal of the American Academy of Orthopaedic Surgeons*
  Stash, N., Kamal, R. N., Richard, M., Shapiro, L. M.
  2025

- **Reliability, Usability, and Face Validity of the Capacity Assessment Tool for Orthopedic Surgery (CAT-os) in Low- and Middle-Income Countries (LMICs): A Pilot Study.** *World journal of surgery*
  Tuyishime, H., Jodah, R., Eppler, S. L., Shapiro, L. M., Kamal, R. N.
  2025

- **Sagittal and Coronal Plate Position Is Not Associated With Flexor Tendon Irritation, Rupture, or Need for Plate Removal After Volar Locking Plate Fixation of Distal Radius Fractures.** *Hand (New York, N.Y.)*
  Zhuang, T., Mansuripur, K., Shapiro, L. M., Mithani, S. K., Ruch, D. S., Richard, M. J., Kamal, R. N.
  2025: 15589447251338533

- **Outcomes and Quality of Evidence of the Treatment of Upper Extremity Cartilage Injuries: A Systematic Review.** *The journal of hand surgery Asian-Pacific volume*
  Schultz, E. A., Snyder, E. M., Tian, A., Kamal, R. N.
  2025

- **Trends in the Incidence of Flexor Tendinopathy after Surgical Fixation of Distal Radius Fractures: Analysis of a Population-Based Database.** *The journal of hand surgery Asian-Pacific volume*
  Zhuang, T., Shapiro, L. M., Kamal, R. N.
  2025

- **National Agenda for Disparities Research in Hand Surgery: Validation of Social Determinant of Health Domains and Measurement Constructs.** *Hand (New York, N.Y.)*
  Obilo, C., Kamal, R. N., Shapiro, L. M.
  2025: 15589447251336401

- **The palmar intra-articular extended window approach for distal radial fractures: a biomechanical cadaveric study.** *The Journal of hand surgery, European volume*
  Bronenberg Victorica, P., Shapiro, L., De Carli, P., Castro Appiani, L. M., Chan, C., Kamal, R. N.
  2025: 17531934251332565

- **An Analysis of the Study Participants and Patient-Reported Outcome Measures Used to Inform Clinical Practice Guidelines for Hip and Knee Osteoarthritis.** *The Journal of arthroplasty*
  Mai, T., Julian, K. R., Ward, D., Kamal, R. N., Shapiro, L. M.
  2025

- **Establishing Clinically Operational Domains of Multidimensional Frailty: A Consensus Approach to Improve Multidimensional Frailty Diagnosis at Point of Care.** *The Gerontologist*
  Shapiro, L. M., Arya, S., Adeli, E., Fredericson, M., Kaplan, R. M., Eppler, S. L., Lorenz, K., Lorig, K., Marwell, J., Schmiesing, C., Schroeder, R., Schulman, K., Trivedi, et al
  2025

- **Development of International Quality Measures Targeting Low-Value Care in Hand Surgery.** *The Journal of hand surgery*
  Schultz, E. A., Kamal, R. N., Shapiro, L. M.
  2025

- **Improved Risk Adjustment for Comorbid Diagnoses in Administrative Claims Analyses of Orthopaedic Surgery.** *The Journal of bone and joint surgery. American volume*
  Koltsov, J. C., Zhuang, T., Hu, S. S., Kamal, R. N.
  2025

- **Is Area-Level Social Vulnerability Index Associated With Patient-Level Health-Related Social Needs in Hand Surgery?** *The Journal of the American Academy of Orthopaedic Surgeons*

Schultz, E. A., Zhuang, T., Shapiro, L. M., Kamal, R. N.
2025

- **Is Area-Level Social Vulnerability Index Associated With Patient-Level Health-Related Social Needs in Hand Surgery?** *Journal of the American Academy of Orthopaedic Surgeons (JAAOS)*
  Schultz, E. A., Zhuang, T., Shapiro, L. M., Kamal, R. N.
  2025
- **Time-dependent, patient-centered perceptions of quality measures for total joint arthroplasty: a cross-sectional, choice modeling study.** *BMC musculoskeletal disorders*
  Lemos, J. L., Welch, J. M., Amanatullah, D. F., Shapiro, L. M., Harris, A. H., Kamal, R. N.
  2025; 26 (1): 41
- **American Academy of Orthopaedic Surgeons/ASSH Clinical Practice Guideline Summary Management of Carpal Tunnel Syndrome.** *The Journal of the American Academy of Orthopaedic Surgeons*
  Shapiro, L. M., Kamal, R. N., Management of Carpal Tunnel Syndrome Work Group, American Academy of Orthopaedic Surgeons
  2024
- **MRI for Scaphoid Nonunion: Utilization Rates, Factors Associated with Utilization, and Subsequent Vascularized Bone Graft Use.** *The Journal of hand surgery*
  Shapiro, L. M., Schultz, E. A., Welch, J., Zhuang, T., Kamal, R. N.
  2024
- **MRI for Scaphoid Nonunion: Utilization Rates, Factors Associated with Utilization, and Subsequent Vascularized Bone Graft Use** *Journal of Hand Surgery*
  Shapiro, L. M., Schultz, E. A., Welch, J. M., Zhuang, T., Hand Surgery Quality Consortium, H., Kamal, R. N.
  2024
- **Integrated Compression Screw Versus Unicortical Locking Screw for Fixing the Dorsal Critical Corner in Distal Radius Fractures: A Biomechanical Study.** *The Journal of hand surgery*
  Bronenberg Victorica, P., Shapiro, L. M., Chan, C., De Carli, P., Castro Appiani, L. M., Kamal, R. N.
  2024
- **Does Discussing Patient-reported Outcome Measures Increase Pain Self-efficacy at an Orthopaedic Visit? A Prospective, Sequential, Comparative Series.** *Clinical orthopaedics and related research*
  Schultz, E. A., Gomez, G. I., Gardner, M. J., Hu, S. S., Safran, M., Amanatullah, D. F., Shapiro, L. M., Kamal, R. N.
  2024
- **Claims Database Research in Hand Surgery: From Data to Bedside.** *The Journal of hand surgery*
  Zhuang, T., Shapiro, L. M., Kamal, R. N.
  2024
- **A 3-Dimensional Printed Dynamic External Fixator for the Treatment of Proximal Interphalangeal Fracture-Dislocations: A Biomechanical Study.** *The Journal of hand surgery*
  Bronenberg Victorica, P., Albani-Forneris, A., Holc, F., Shapiro, L. M., Kamal, R. N., Boretto, J. G.
  2024
- **Utilization of Surgical Fixation for Distal Radius Fractures in the United States: A Population-Based Cohort Study.** *The Journal of hand surgery*
  Zhuang, T., Young, B., Shapiro, L. M., Kamal, R. N.
  2024
- **Quality Measures Addressing Orthopaedic Surgery in Ambulatory Surgery Centers: A Systematic Review**
  Snyder, E., Schultz, E. A., Shapiro, L. M., Kamal, R. N.
  LIPPINCOTT WILLIAMS & WILKINS.2024: S333-S334
- **A Quantitative Assessment to Support Orthopaedic Surgery Capacity-Building in Palau**
  Snyder, E., Dever, G. J., Kamal, R. N., Shapiro, L. M.
  LIPPINCOTT WILLIAMS & WILKINS.2024: S223
- **Surgeon Alignment With Clinical Practice Guidelines: A Qualitative Analysis of Treatment of Distal Radius Fractures.** *Hand (New York, N.Y.)*

Schultz, E. A., Eppler, S. L., Shapiro, L. M., Kamal, R. N.
2024: 15589447241277843

- **A Biomechanical Analysis of Oblique Metacarpal Metadiaphyseal Fracture Fixation in a Cadaver Model.** *The Journal of hand surgery*
  Garcia-Lopez, E., Siu, J. W., Kwong, J. W., Kamal, R. N., Schroeder, N., Shapiro, L. M.
  2024
- **Goal Concordant Care: A Cross-Sectional Study Evaluating Correlates of Concordant Care and Association With Satisfaction and Outcomes.** *Hand (New York, N.Y.)*
  Julian, K. R., Kwong, J. W., Leversedge, C., Zhuang, T., Schroeder, N., Kamal, R. N., Shapiro, L. M.
  2024: 15589447241279458
- **Disparities Exist in Knowledge of Hip Fracture Compared With Stroke and Myocardial Infarction** *ORTHOPEDICS*
  Choy, S., Zhuang, T., Shapiro, L., Kamal, R.
  2024: 1-7
- **Opioid Use After Robotic-Assisted Versus Conventional Total Hip Arthroplasty: A National Database Analysis** *ORTHOPEDICS*
  Zhuang, T., Young, B., Hooper, J., Amanatullah, D. F., Shapiro, L., Kamal, R. N.
  2024; 47 (5): 289-+
- **Current Use of Patient-Reported Outcome Measures Ignores Functional Demand.** *The Journal of the American Academy of Orthopaedic Surgeons*
  Kamal, R. N., Gomez, G., Chakraborty, A., Leversedge, C., Amanatullah, D. F., Chou, L., Gardner, M. J., Hu, S. S., Safran, M., Zhuang, T., Shapiro, L. M.
  2024
- **Health Numeracy Is Associated With a Patient's Ability to Interpret Patient-Reported Outcome Measures Data.** *Orthopedics*
  Schultz, E. A., Eppler, S. L., Gardner, M., Hu, S. S., Chou, L., Safran, M., Amanatullah, D. F., Abrams, G. D., Shapiro, L. M., Kamal, R. N.
  2024: 1-6
- **Performing region-specific tasks does not improve lower extremity patient-reported outcome scores.** *Arthroplasty (London, England)*
  Korth, M. J., Banta, W. A., Arora, P., Kamal, R. N., Amanatullah, D. F.
  2024; 6 (1): 42
- **Pain Self-Efficacy Can Improve During a Visit With an Orthopedic Surgeon** *ORTHOPEDICS*
  Lemos, J. L., Gomez, G. I., Tewari, P., Amanatullah, D. F., Chou, L., Gardner, M. J., Hu, S., Safran, M., Kamal, R. N.
  2024; 47 (4): e197-e203
- **The Association Between Social Determinants of Health and Distal Radius Fracture Outcomes.** *The Journal of hand surgery*
  Truong, N. M., Stroud, S. G., Zhuang, T., Fernandez, A., Kamal, R. N., Shapiro, L. M.
  2024
- **Clinical Practice Guidelines to Support Capacity Building in Orthopaedic Surgical Outreach: An International Consensus Building Approach.** *The Journal of bone and joint surgery. American volume*
  Welch, J. M., Kamal, R. N., Kozin, S. H., Dyer, G. S., Katarincic, J. A., Fox, P. M., Shapiro, L. M.
  2024
- **Are Clinical Practice Guidelines Representative of Patients with Distal Radius Fractures? A Review of Patient Demographics and Patient-Reported Outcome Measures Used to Inform Guidelines.** *The Journal of hand surgery*
  Mulakaluri, A., Julian, K. R., Fernandez, A., Kamal, R. N., Shapiro, L. M.
  2024
- **Implementation of an electronic health record system during global surgical outreach: A prospective evaluation of success and sustainability.** *World journal of surgery*
  Gatto, A. P., Atkin, D., Tapia, J. C., Lowenberg, M., Kamal, R. N., Shapiro, L. M.
  2024
- **Are Orthopaedic Clinical Trials Linguistically and Culturally Diverse? A Systematic Review** *JBJS REVIEWS*
  Julian, K. R., Mulakaluri, A., Truong, N. M., Fernandez, A., Kamal, R. N., Shapiro, L. M.
  2024; 12 (5)

- **Are Orthopaedic Clinical Trials Linguistically and Culturally Diverse? A Systematic Review.** *JBJS reviews*
  Julian, K. R., Mulakaluri, A., Truong, N. M., Fernandez, A., Kamal, R. N., Shapiro, L. M.
  2024; 12 (5)
- **Site of Service Disparities Exist for Total Joint Arthroplasty** *ORTHOPEDICS*
  Truong, N. M., Leversedge, C., Zhuang, T., Shapiro, L. M., Whittaker, M., Kamal, R. N.
  2024; 47 (3): 179-184
- **Cost-Effectiveness Analysis of Early versus Late Debridement of Superficial Triangular Fibrocartilage Complex Tears.** *Journal of hand and microsurgery*
  Ku, S., Zhuang, T., Shapiro, L. M., Richard, M. J., Ruch, D. S., Kamal, R. N.
  2024; 16 (1): 100009
- **Orthopedic surgery in Palau-Current capacity, needs, and future directions.** *World journal of surgery*
  Snyder, E. M., Withy, K., Dever, G., Decherong, C., Adelbai-Fraser, M., Mekoll, N., Uherbelau, G., Kamal, R. N., Shapiro, L. M.
  2024
- **Bone Graft Substitutes-What Are My Options?** *Hand clinics*
  Shah, K. N., Kamal, R. N.
  2024; 40 (1): 13-23
- **Equitable Integration of Patient-Reported Outcomes Into Clinical Practice-Opportunities, Challenges, and a Roadmap for Implementation.** *The Journal of the American Academy of Orthopaedic Surgeons*
  Shapiro, L. M., Katz, P., Stern, B. Z., Kamal, R. N.
  2024
- **AOA Critical Issues: A Culture of Safety Across All Orthopaedic Professional Endeavors.** *The Journal of bone and joint surgery. American volume*
  Ring, D., Adams, J., Samora, J., Kamal, R.
  2024
- **Does Discussing Patient-reported Outcome Measures Increase Pain Self-efficacy at an Orthopaedic Visit? A Prospective, Sequential, Comparative Series** *Does Discussing Patient-reported Outcome Measures Increase Pain Self-efficacy at an Orthopaedic Visit? A Prospective, Sequential, Comparative Series*
  Schultz, E. A., Gomez, G. I., Gardner, M., Hu, S., Safran, M., Amanatullah, D., Shapiro, L. M., Kamal, R. N.
  2024
- **Contextual Determinants of Time to Surgery for Patients With Hip Fracture.** *JAMA network open*
  Welch, J. M., Gomez, G. I., Chatterjee, M., Shapiro, L. M., Morris, A. M., Gardner, M. J., Sox-Harris, A. H., Baker, L., Koltsov, J. C., Castillo, T., Giori, N., Salyapongse, A., Kamal, et al
  2023; 6 (12): e2347834
- **Variations in Treatment and Costs for Distal Radius Fractures in Patients Over 55 Years of Age: A Population-Based Study.** *Journal of hand and microsurgery*
  Shapiro, L. M., Xiao, M., Zhuang, T., Ruch, D. S., Richard, M. J., Kamal, R. N.
  2023; 15 (5): 351-357
- **The Development and Validation of Data Elements and Process Steps for an Electronic Health Record for Hand Surgery Outreach Trips.** *Journal of hand and microsurgery*
  Shapiro, L. M., Chang, J., Fox, P. M., Kozin, S., Chung, K. C., Dyer, G. S., Fufa, D., Leversedge, F., Katarincic, J., Kamal, R.
  2023; 15 (5): 358-364
- **The Safety of the Volar Intraarticular Extended Window (VIEW) Approach for Intra-articular Distal Radius Fractures.** *Hand (New York, N.Y.)*
  Kamal, R. N., Gomez, G. I., Schultz, E. A., Shapiro, L. M.
  2023: 15589447231210926
- **Volar Intra-articular Extended Window Approach for Intra-articular Distal Radius Fractures.** *Techniques in hand & upper extremity surgery*
  Kamal, R. N., Bronenberg, P., Shapiro, L. M.
  2023
- **Can Caregivers Forecast Their Child's Postoperative Disability After Elective Orthopedic Surgery?** *Cureus*

Baskar, D., Mehta, S., Freiman, H., Segovia, N. A., Vuong, B. B., Richey, A., Langner, J. L., Hastings, K. G., Kamal, R. N., Frick, S.
2023; 15 (11): e48575

- **Enhanced Approaches to the Treatment of Distal Radius Fractures.** *Hand clinics*
  Patel, D., Kamal, R.
  2023; 39 (4): 515-521
- **Strategies for Perioperative Optimization in Upper Extremity Fracture Care.** *Hand clinics*
  Zhuang, T., Kamal, R. N.
  2023; 39 (4): 617-625
- **Innovation in Upper Extremity Fracture Treatment-Implementation of Advanced Techniques to Improve Outcomes.** *Hand clinics*
  Kamal, R. N., Shapiro, L. M.
  2023; 39 (4): xi
- **Upper extremity trauma in Costa Rica - Evaluating epidemiology and identifying opportunities** *CURRENT ORTHOPAEDIC PRACTICE*
  Appiani, L., Castro, S., Romero, B., Salas, J., Vindas, P., Soto, R., Artavia, C., Kamal, R. N., Shapiro, L. M.
  2023; 34 (6): 280-284
- **Is There Variation in Time to and Type of Treatment for Hip Osteoarthritis Based on Insurance?** *The Journal of arthroplasty*
  Chakraborty, A., Zhuang, T., Shapiro, L. M., Amanatullah, D. F., Kamal, R. N.
  2023
- **Preoperative Optimization for Orthopaedic Surgery: Steps to Reduce Complications.** *The Journal of the American Academy of Orthopaedic Surgeons*
  Shapiro, L. M., Bolognesi, M. P., Bozic, K., Kamal, R. N.
  2023
- **Upper Extremity Trauma in Costa Rica - Evaluating Epidemiology and Identifying Opportunities.** *Current orthopaedic practice*
  Castro Appiani, L. M., Castro, S., Romero, B., Díaz Salas, J. D., Vindas, P., Soto, R., Artavia, C. C., Kamal, R., Shapiro, L. M.
  2023; 34 (6): 280-284
- **Does time to surgery for distal radius fractures impact clinical and radiographic outcomes? A systematic literature review** *CURRENT ORTHOPAEDIC PRACTICE*
  Julian, K. R., Truong, N. M., Leversedge, C., Kwong, J. W., Rosinski, A., Kamal, R. N., Shapiro, L. M.
  2023; 34 (5): 229-235
- **Current Implementation of Quality Measures on American Society for Surgery of the Hand Touching Hands Project Outreach Trips.** *The Journal of hand surgery*
  Almeida, B. A., Kerluku, J., Shapiro, L. M., Kamal, R., Fufa, D. T.
  2023
- **Is There a Critical Dorsal Lunate Facet Size in Distal Radius Fractures That Leads to Dorsal Carpal Subluxation? A Biomechanical Study of the Dorsal Critical Corner.** *The Journal of hand surgery*
  Shapiro, L. M., Zhou, J., Shah, K., Frey, C., Chan, C., Kamal, R. N.
  2023
- **Response to "Letter Regarding 'The Volar Intra-Articular Extended Window Approach for Intra-Articular Distal Radius Fractures'".** *The Journal of hand surgery*
  Kamal, R. N., Ostergaard, P. J., Shapiro, L. M.
  2023; 48 (8): e7
- **Identifying Strategies to Reduce Low-Value Preoperative Testing for Low-Risk Procedures: a Qualitative Study of Facilities with High or Recently Improved Levels of Testing.** *Journal of general internal medicine*
  Harris, A. H., Finlay, A. K., Hagedorn, H. J., Manfredi, L., Jones, G., Kamal, R. N., Sears, E. D., Hawn, M., Eisenberg, D., Pershing, S., Mudumbai, S.
  2023
- **Lack of alignment between orthopaedic surgeon priorities and patient expectations in total joint arthroplasty.** *Patient safety in surgery*
  Shah, H. N., Barrett, A. A., Le, P. H., Arora, P., Kamal, R. N., Amanatullah, D. F.
  2023; 17 (1): 17

- **Is Outpatient Spine Surgery Associated with New, Persistent Opioid Use in Opioid-Naïve Patients? A Retrospective National Claims Database Analysis.** *The spine journal : official journal of the North American Spine Society*
  Schultz, E., Zhuang, T., Shapiro, L. M., Hu, S. S., Kamal, R. N.
  2023
- **Capacity Assessment Tool to Promote Capacity Building in Global Orthopaedic Surgical Outreach.** *The Journal of bone and joint surgery. American volume*
  Shapiro, L. M., Welch, J., Leversedge, C., Katarincic, J. A., Leversedge, F. J., Dyer, G. S., Kozin, S. H., Fox, P. M., McCullough, M., Agins, B., Kamal, R. N.
  2023
- **Does Time to Surgery for Distal Radius Fractures Impact Clinical and Radiographic Outcomes? A Systematic Literature Review.** *Current orthopaedic practice*
  Julian, K. R., Truong, N. M., Leversedge, C., Kwong, J. W., Rosinski, A., Kamal, R. N., Shapiro, L. M.
  2023; 34 (5): 229-235
- **Are Patient-Reported Outcome Measures for Distal Radius Fractures Validated for Spanish and Culture? A Systematic Review.** *The Journal of hand surgery*
  Lemos, J., Xiao, M., Castro Appiani, L. M., Katz, P., Kamal, R. N., Shapiro, L. M.
  2023
- **Decision Making and Cost in Healthcare: The Patient Perspective.** *Journal of surgical orthopaedic advances*
  Lindsay, S. E., Alokozai, A., Eppler, S. L., Yao, J., Morris, A., Kamal, R. N.
  2023; 32 (1): 23-27
- **Disparities in Treatment of Closed Distal Radius Fractures in Patients Aged 18-64 Years and ≥65 Years by Insurance Type.** *The Journal of hand surgery*
  Tankersley, M. P., Zhuang, T., Julian, K., Fernandez, A., Kamal, R. N., Shapiro, L. M.
  2023
- **The Volar Intra-Articular Extended Window Approach for Intra-Articular Distal Radius Fractures.** *The Journal of hand surgery*
  Kamal, R. N., Ostergaard, P. J., Shapiro, L. M.
  2023
- **Equity-Driven Implementation of Patient-Reported Outcome Measures in Musculoskeletal Care: Advancing Value for All.** *The Journal of bone and joint surgery. American volume*
  Stern, B. Z., Franklin, P. D., Shapiro, L. M., Chaudhary, S. B., Kamal, R. N., Poeran, J.
  2023
- **Medicaid Insurance is Associated with Treatment Disparities for Proximal Humerus Fractures in a National Database Analysis.** *Journal of shoulder and elbow surgery*
  Truong, N. M., Zhuang, T., Leversedge, C., Ma, C. B., Kamal, R. N., Shapiro, L. M.
  2022
- **The Price-Quality Mismatch: Are Negotiated Prices for Total Joint Arthroplasty Associated With Hospital Quality in a Large California Health System?** *Clinical orthopaedics and related research*
  Zhuang, T., Shapiro, L. M., Baker, L. C., Kamal, R. N.
  2022
- **Has the Use of Electrodiagnostic Studies for Carpal Tunnel Syndrome Changed After the 2016 American Academy of Orthopaedic Surgeons Clinical Practice Guideline?** *The Journal of hand surgery*
  Zhuang, T., Shapiro, L. M., Schultz, E. A., Truong, N. M., Harris, A. H., Kamal, R. N.
  2022
- **Cost minimization analysis of the treatment of olecranon fracture in elderly patients: a retrospective analysis** *CURRENT ORTHOPAEDIC PRACTICE*
  Welch, J. M., Zhuang, T., Shapiro, L. M., Gardner, M., Xiao, M., Kamal, R. N.
  2022; 33 (6): 559-564
- **Cost-Effectiveness Analysis of Early versus Late Debridement of Superficial Triangular Fibrocartilage Complex Tears** *JOURNAL OF HAND AND MICROSURGERY*

Ku, S., Zhuang, T., Shapiro, L. M., Richard, M. J., Ruch, D. S., Kamal, R. N.
2022

- **Capacity Building During Short-Term Surgical Outreach Trips: A Review of What Guidelines Exist.** *World journal of surgery*
  Leversedge, C., McCullough, M., Appiani, L. M., Dinh, M. P., Kamal, R. N., Shapiro, L. M.
  2022
- **Cost minimization analysis of the treatment of olecranon fracture in elderly patients: a retrospective analysis.** *Current orthopaedic practice*
  Welch, J. M., Zhuang, T., Shapiro, L. M., Gardner, M. J., Xiao, M., Kamal, R. N.
  2022; 33 (6): 559-564
- **Frequency and costs of low-value preoperative tests for patients undergoing low-risk procedures in the veterans health administration.** *Perioperative medicine (London, England)*
  Harris, A. H., Bowe, T., Kamal, R. N., Sears, E. D., Hawn, M., Eisenberg, D., Finlay, A. K., Hagedorn, H. J., Mudumbai, S.
  2022; 11 (1): 33
- **Evaluation of Systemwide Improvement Programs to Optimize Time to Surgery for Patients With Hip Fractures: A Systematic Review.** *JAMA network open*
  Tewari, P., Sweeney, B. F., Lemos, J. L., Shapiro, L., Gardner, M. J., Morris, A. M., Baker, L. C., Harris, A. S., Kamal, R. N.
  2022; 5 (9): e2231911
- **A Framework and Blueprint for Building Capacity in Global Orthopaedic Surgical Outreach.** *The Journal of bone and joint surgery. American volume*
  Shapiro, L. M., Welch, J. M., Chatterjee, M., Katarincic, J. A., Leversedge, F. J., Dyer, G. S., Fufa, D. T., Kozin, S. H., Chung, K. C., Fox, P. M., Chang, J., Kamal, R. N.
  2022
- **Out-of-Pocket and Total Costs for Common Hand Procedures From 2008 to 2016: A Nationwide Claims Database Analysis.** *The Journal of hand surgery*
  Michaud, J. B., Zhuang, T., Shapiro, L. M., Cohen, S. A., Kamal, R. N.
  2022
- **Patient-Derived Framework for Quality inHand Surgery: A Qualitative Analysis.** *The Journal of hand surgery*
  Park, M. O., Eppler, S. L., Chatterjee, M., Shapiro, L. M., Hand Surgery Quality Consortium, Kamal, R. N., Kamal, R. N., Harris, A. H., Kakar, S., Blazar, P., Akelman, E., Got, C., Ruch, D., et al
  2022
- **Prevalence, Burden, and Sources of Out-of-Network Billing in Elective Hand Surgery: A National Claims Database Analysis.** *The Journal of hand surgery*
  Zhuang, T., Michaud, J. B., Shapiro, L. M., Baker, L. C., Welch, J. M., Kamal, R. N.
  2022
- **Quality Reporting Windows May Not Capture the Effects of Surgical Site Infections After Orthopaedic Surgery.** *The Journal of bone and joint surgery. American volume*
  Shapiro, L. M., Graham, L. A., Hawn, M. T., Kamal, R. N.
  2022; 104 (14): 1281-1291
- **The Development and Validation of Data Elements and Process Steps for an Electronic Health Record for Hand Surgery Outreach Trips** *JOURNAL OF HAND AND MICROSURGERY*
  Shapiro, L. M., Chang, J., Fox, P. M., Kozin, S., Chung, K. C., Dyer, G. S. M., Fufa, D., Leversedge, F., Katarincic, J., Kamal, R.
  2022
- **Variations in Treatment and Costs for Distal Radius Fractures in Patients Over 55 Years of Age: A Population-Based Study** *JOURNAL OF HAND AND MICROSURGERY*
  Shapiro, L. M., Xiao, M., Zhuang, T., Ruch, D. S., Richard, M. J., Kamal, R. N.
  2022
- **Quality Measures for Pediatric Orthopaedic Surgery: A Systematic Review.** *Journal of pediatric orthopedics*
  Montgomery, B. K., Welch, J. M., Shapiro, L. M., Shea, K. G., Kamal, R. N.
  2022; 42 (6): e682-e687

- **Health Literacy and Patient Participation in Shared Decision-Making in Orthopedic Surgery** *ORTHOPEDICS*
  Mertz, K., Eppler, S., Shah, R., Yao, J., Steffner, R., Safran, M., Hu, S., Chou, L., Amanatullah, D. F., Kamal, R. N.
  2022; 45 (4): 227-232

- **Site of service of irrigation and debridement of open finger and hand fractures: a retrospective review of trends and outcomes** *CURRENT ORTHOPAEDIC PRACTICE*
  Wadhwa, H., Zhuang, T., Shapiro, L. M., Welch, J. M., Richard, M. J., Kamal, R. N.
  2022; 33 (4): 358-362

- **Costs and benefits of routine hemoglobin A1c screening prior to total joint arthroplasty: a cost-benefit analysis** *CURRENT ORTHOPAEDIC PRACTICE*
  Zhuang, T., Shapiro, L. M., Amanatullah, D. F., Maloney, W. J., Kamal, R. N.
  2022; 33 (4): 338-346

- **Patient Follow-up After Orthopaedic Outreach Trips - Do We Know Whether Patients are Improving?** *World journal of surgery*
  Leversedge, C., Castro, S., Appiani, L. M., Kamal, R., Shapiro, L.
  2022

- **A Tool to Estimate Risk of 30-day Mortality and Complications After Hip Fracture Surgery: Accurate Enough for Some but Not All Purposes? A Study From the ACS-NSQIP Database.** *Clinical orthopaedics and related research*
  Harris, A. H., Trickey, A. W., Eddington, H. S., Seib, C. D., Kamal, R. N., Kuo, A. C., Ding, Q., Giori, N. J.
  2022

- **Do Patients Want to be Involved in Their Carpal Tunnel Surgery Decisions? A Multicenter Study.** *The Journal of hand surgery*
  Roe, A. K., Eppler, S. L., Kakar, S., Akelman, E., Got, C. J., Blazar, P. E., Ruch, D. S., Richard, M. J., Yao, J., Kamal, R. N.
  2022

- **Costs and benefits of routine hemoglobin A1c screening prior to total joint arthroplasty: a cost-benefit analysis.** *Current orthopaedic practice*
  Zhuang, T., Shapiro, L. M., Amanatullah, D. F., Maloney, W. J., Kamal, R. N.
  2022; 33 (4): 338-346

- **Is Low-value Testing Before Low-risk Hand Surgery Associated With Increased Downstream Healthcare Use and Reimbursements? A National Claims Database Analysis.** *Clinical orthopaedics and related research*
  Welch, J. M., Zhuang, T., Shapiro, L. M., Harris, A. H., Baker, L. C., Kamal, R. N.
  2022

- **Site of service of irrigation and debridement of open finger and hand fractures: a retrospective review of trends and outcomes.** *Current orthopaedic practice*
  Wadhwa, H., Zhuang, T., Shapiro, L. M., Welch, J. M., Richard, M. J., Kamal, R. N.
  2022; 33 (4): 358-362

- **Patient Satisfaction Scores Are a Poor Metric of Orthopedic Care** *ORTHOPEDICS*
  MURASKO, M. J., V. IVANOV, D. D., ROE, A. K., KAMAL, R. N., AMANATULLAH, D. F.
  2022; 45 (3): E127-+

- **How do orthopaedic surgery residency program websites feature diversity? An analysis of 187 orthopaedic surgery programs in the United States.** *Current orthopaedic practice*
  Cohen, S. A., Xiao, M., Zhuang, T., Michaud, J., Wadhwa, H., Shapiro, L., Kamal, R. N.
  2022; 33 (3): 258-263

- **Practical Application of the 2020 Distal Radius Fracture AAOS/ASSH Clinical Practice Guideline: A Clinical Case.** *The Journal of the American Academy of Orthopaedic Surgeons*
  Kamal, R. N., Shapiro, L. M.
  2022

- **Do Proposed Quality Measures for Carpal Tunnel Release Reveal Important Quality Gaps and Are They Reliable?** *Clinical orthopaedics and related research*
  Harris, A. H., Ding, Q., Trickey, A. W., Finlay, A. K., Schmidt, E. M., Curtin, C. M., Sears, E. D., Yoshida, R., Lashgari, D., Nuckols, T. K., Kamal, R. N.
  2022

- **Rates, Barriers, and Facilitators of Outcome Collection on Hand Surgery Outreach to Low- and Middle-Income Countries.** *Hand (New York, N.Y.)*
  Welch, J. M., Kamal, R. N., Chatterjee, M., Shapiro, L. M.
  1800: 15589447211072200
- **Implementation of Electronic Health Records During Global Outreach: A Necessary Next Step in Measuring and Improving Quality of Care.** *The Journal of hand surgery*
  Shapiro, L. M., Kamal, R. N.
  2021
- **The Intercalated Segment: Does the Triquetrum Move in Synchrony With the Lunate?** *The Journal of hand surgery*
  Mack, Z. E., Kamal, R. N., Best, G. M., Wolfe, S. W., Pichora, D. R., Rainbow, M. J.
  2021
- **A framework to make PROMs relevant to patients: qualitative study of communication preferences of PROMs.** *Quality of life research : an international journal of quality of life aspects of treatment, care and rehabilitation*
  Lai, C. H., Shapiro, L. M., Amanatullah, D. F., Chou, L. B., Gardner, M. J., Hu, S. S., Safran, M. R., Kamal, R. N.
  2021
- **How Is Scaphoid Malunion Defined: A Systematic Review.** *Hand (New York, N.Y.)*
  Xiao, M., Welch, J. M., Cohen, S. A., Kamal, R. N., Shapiro, L. M.
  2021: 15589447211038678
- **Distal Radius Fracture Clinical Practice Guidelines-Updates and Clinical Implications.** *The Journal of hand surgery*
  Shapiro, L. M., Kamal, R. N.
  2021
- **Outcome Metrics in the Treatment of Distal Radius Fractures in Patients Aged Above 50 Years: A Systematic Review.** *Hand (New York, N.Y.)*
  Fogel, N., Mertz, K., Shapiro, L. M., Roe, A., Denduluri, S., Kamal, R. N.
  2021: 15589447211028919
- **Short Message Service-Based Collection of Patient-Reported Outcome Measures on Hand Surgery Global Outreach Trips: A Pilot Feasibility Study.** *The Journal of hand surgery*
  Shapiro, L. M., Dinh, M. P., Tran, L., Fox, P. M., Richard, M. J., Kamal, R. N.
  2021
- **Google Trends Analysis Shows Increasing Public Interest in Platelet-Rich Plasma Injections for Hip and Knee Osteoarthritis.** *The Journal of arthroplasty*
  Cohen, S. A., Zhuang, T., Xiao, M., Michaud, J. B., Amanatullah, D. F., Kamal, R. N.
  2021
- **Perioperative Laboratory Markers as Risk Factors for Surgical Site Infection After Elective Hand Surgery.** *The Journal of hand surgery*
  Zhuang, T., Shapiro, L. M., Fogel, N., Richard, M. J., Gardner, M. J., Kamal, R. N.
  2021
- **Variability and Costs of Low-Value Preoperative Testing for Cataract Surgery Within the Veterans Health Administration.** *JAMA network open*
  Mudumbai, S. C., Pershing, S., Bowe, T., Kamal, R. N., Sears, E. D., Hawn, M. T., Eisenberg, D., Finlay, A. K., Hagedorn, H., Harris, A. H.
  2021; 4 (5): e217470
- **CORR Insights: Clinician Factors Rather Than Patient Factors Affect Discussion of Treatment Options.** *Clinical orthopaedics and related research*
  Kamal, R. N.
  2021
- **Barriers and Facilitators of Outcome Collection During Hand Surgery Outreach: A Quality Improvement Study.** *Hand (New York, N.Y.)*
  Shapiro, L. M., Dinh, M. P., Fox, P. M., Richard, M. J., Eppler, S. L., Kamal, R. N.
  2021: 15589447211003183
- **Engaging Patients to Ask More Questions: What's the Best Way? A Pragmatic Randomized Controlled Trial.** *The Journal of hand surgery*
  Roe, A. K., Eppler, S. L., Shapiro, L. M., Satteson, E. S., Yao, J., Kamal, R. N.

2021

- **Using Google Trends Data to Track Healthcare Use for Hand Osteoarthritis** *CUREUS*
  Cohen, S. A., Zhuang, T., Xiao, M., Michaud, J. B., Shapiro, L., Kamal, R. N.
  2021; 13 (3)
- **Using Google Trends Data to Track Healthcare Use for Hand Osteoarthritis.** *Cureus*
  Cohen, S. A., Zhuang, T., Xiao, M., Michaud, J. B., Shapiro, L., Kamal, R. N.
  2021; 13 (3): e13786
- **A Qualitative Study of Patient Themes for the Quality of the Total Joint Arthroplasty Experience** *ORTHOPEDICS*
  Amanatullah, D. F., Eppler, S. L., Shah, R. F., Mertz, K., Roe, A. K., Murasko, M., Kamal, R. N.
  2021; 44 (2): 117–22
- **Understanding the Patient Experience: Analysis of 2-Word Assessment and Its Relationship to Likelihood to Recommend in Outpatient Hand Surgery.** *Hand (New York, N.Y.)*
  Shapiro, L. M., Thomas, K. A., Eppler, S. L., Behal, R. n., Yao, J. n., Kamal, R. N.
  2021: 1558944720988078
- **The Impact of Certificate of Need Status on the Utilization and Reimbursement of Open and Endoscopic Carpal Tunnel Release.** *Journal of surgical orthopaedic advances*
  Denduluri, S. K., Roe, A., Bala, A., Fogel, N., Ziino, C., Kamal, R. N.
  2021; 30 (2): 90-92
- **Is Uncontrolled Diabetes Mellitus Associated with Incidence of Complications After Posterior Instrumented Lumbar Fusion? A National Claims Database Analysis.** *Clinical orthopaedics and related research*
  Zhuang, T. n., Feng, A. Y., Shapiro, L. M., Hu, S. S., Gardner, M. n., Kamal, R. N.
  2021
- **Is Frailty Associated with Adverse Outcomes After Orthopaedic Surgery?: A Systematic Review and Assessment of Definitions.** *JBJS reviews*
  Lemos, J. L., Welch, J. M., Xiao, M., Shapiro, L. M., Adeli, E., Kamal, R. N.
  1800; 9 (12)
- **Provider Personal and Demographic Characteristics and Patient Satisfaction in Orthopaedic Surgery.** *Journal of the American Academy of Orthopaedic Surgeons. Global research & reviews*
  Lu, L. Y., Sharabianlou Korth, M. J., Cheng, R. Z., Finlay, A. K., Kamal, R. N., Goodman, S. B., Maloney, W. J., Huddleston, J. I., Amanatullah, D. F.
  2021; 5 (4)
- **Cost-Effectiveness of Open Versus Endoscopic Carpal Tunnel Release.** *The Journal of bone and joint surgery. American volume*
  Barnes, J. I., Paci, G. n., Zhuang, T. n., Baker, L. C., Asch, S. M., Kamal, R. N.
  2021; 103 (4): 343–55
- **Outcomes of Supplementary Spring Wire Fixation With Volar Plating for Volar Lunate Facet Fragments in Distal Radius Fractures.** *Hand (New York, N.Y.)*
  Fogel, N., Shapiro, L. M., Roe, A., Denduluri, S., Richard, M. J., Kamal, R. N.
  2020: 1558944720976404
- **Does a Question Prompt List Improve Perceived Involvement in Care in Orthopaedic Surgery Compared with the AskShareKnow Questions? A Pragmatic Randomized Controlled Trial.** *Clinical orthopaedics and related research*
  Mariano, D. J., Liu, A., Eppler, S. L., Gardner, M. J., Hu, S., Safran, M., Chou, L., Amanatullah, D. F., Kamal, R. N.
  2020
- **Candidate Quality Measures for Orthopaedic Surgery Outreach Trips: A Systematic Review.** *The Journal of the American Academy of Orthopaedic Surgeons*
  Shapiro, L. M., Park, M. O., Mariano, D. J., Welch, J. M., Kamal, R. N.
  2020
- **The Patient Perspective on Patient-Reported Outcome Measures Following Elective Hand Surgery: A Convergent Mixed-Methods Analysis.** *The Journal of hand surgery*
  Shapiro, L. M., Eppler, S. L., Roe, A. K., Morris, A., Kamal, R. N.

2020

- **Can upstream patient education improve fracture care in a digital world? Use of a decision aid for the treatment of displaced diaphyseal clavicle fractures.** *Journal of orthopaedic trauma*
  Lai, C. H., DeBaun, M. R., Van Rysselberghe, N., Abrams, G. D., Kamal, R. N., Bishop, J. A., Gardner, M. J.
  2020
- **Outcome Metrics in the Treatment of Carpal Tunnel Syndrome: A Systematic Review.** *Hand (New York, N.Y.)*
  Mertz, K., Lindsay, S. E., Morris, A., Kamal, R. N.
  2020: 1558944720949951
- **A Cost-Effectiveness Analysis of Smoking-Cessation Interventions Prior to Posterolateral Lumbar Fusion.** *The Journal of bone and joint surgery. American volume*
  Zhuang, T., Ku, S., Shapiro, L. M., Hu, S. S., Cabell, A., Kamal, R. N.
  2020
- **The Importance of Concordance Between Patients and Their Subspecialists** *ORTHOPEDICS*
  Shah, R. F., Mertz, K., Gil, J. A., Eppler, S. L., Amanatullah, D., Yao, J., Chou, L., Steffner, R., Safran, M., Hu, S. S., Kamal, R. N.
  2020; 43 (5): 315-+
- **National Trends in the Surgical Treatment of Chronic Rotator Cuff Tear in Patients Without Arthritis** *ORTHOPEDICS*
  Vora, M., Sing, D. C., Curry, E. J., Kamal, R. N., Li, X.
  2020; 43 (5): E409–E414
- **A Simple Goal Elicitation Tool Improves Shared Decision Making in Outpatient Orthopedic Surgery: A Randomized Controlled Trial.** *Medical decision making : an international journal of the Society for Medical Decision Making*
  Mertz, K., Shah, R. F., Eppler, S. L., Yao, J., Safran, M., Palanca, A., Hu, S. S., Gardner, M., Amanatullah, D. F., Kamal, R. N.
  2020: 272989X20943520
- **Safety of Releasing the Volar Capsule During Open Treatment of Distal Radius Fractures: An Analysis of the Extrinsic Radiocarpal Ligaments' Contribution to Radiocarpal Stability.** *The Journal of hand surgery*
  Suazo Gladwin, L. A., Douglass, N., Behn, A. W., Thio, T., Ruch, D. S., Kamal, R. N.
  2020
- **The Influence of Cost Information on Treatment Choice: A Mixed-Methods Study.** *The Journal of hand surgery*
  Zhuang, T., Kortlever, J. T., Shapiro, L. M., Baker, L., Harris, A. H., Kamal, R. N.
  2020
- **Feasibility of Quality Measures for the Diagnosis and Treatment of Carpal Tunnel Syndrome.** *The Journal of hand surgery*
  Crijns, T. J., Ring, D., Leung, N., Kamal, R. N., AAOS and ASSH Carpal Tunnel Quality Measures Workgroup
  2020
- **Development and Testing of a Question Prompt List for Common Hand Conditions: An Exploratory Sequential Mixed-Methods Study.** *The Journal of hand surgery*
  Satteson, E. S., Roe, A. K., Eppler, S. L., Yao, J., Shapiro, L. M., Kamal, R. N.
  2020
- **Measuring and Improving the Quality of Care During Global Outreach Trips: A Primer for Safe and Sustainable Surgery.** *The Journal of hand surgery*
  Shapiro, L. M., Global-Quest Investigators, Shapiro, L. M., Chang, J., Fox, P. M., Kozin, S. H., Chung, K. C., Dyer, G. S., Fufa, D. T., Leversedge, F. J., Katarincic, J. A., Kamal, R. N.
  2020
- **Rotational stability of scaphoid waist non-union bone graft and fixation techniques.** *The Journal of hand surgery*
  Gire, J. D., Thio, T., Behn, A. W., Kamal, R. N., Ladd, A. L.
  2020
- **Cost-Minimization Analysis and Treatment Trends of Surgical and Nonsurgical Treatment of Proximal Humerus Fractures.** *The Journal of hand surgery*
  Wu, E. J., Zhang, S. E., Truntzer, J. N., Gardner, M. J., Kamal, R. N.
  2020

- **Evaluation and Treatment of Flexor Tendon and Pulley Injuries in Athletes.** *Clinics in sports medicine*
  Shapiro, L. M., Kamal, R. N.
  2020; 39 (2): 279–97
- **Clinical and Patient-Reported Outcomes After Hybrid Russe Procedure for Scaphoid Nonunion.** *Hand (New York, N.Y.)*
  Shapiro, L. M., Roe, A. K., Kamal, R. N.
  2020: 1558944720911214
- **Prevalence and Factors Associated With Low-Value Preoperative Testing for Patients Undergoing Carpal Tunnel Release at an Academic Medical Center.** *Hand (New York, N.Y.)*
  Ding, Q., Trickey, A. W., Mudumbai, S., Kamal, R. N., Sears, E. D., Harris, A. H.
  2020: 1558944720906498
- **A Cost-Effectiveness Analysis of Corticosteroid Injections and Open Surgical Release for Trigger Finger.** *The Journal of hand surgery*
  Zhuang, T. n., Wong, S. n., Aoki, R. n., Zeng, E. n., Ku, S. n., Kamal, R. N.
  2020
- **Quality Measures to Deliver Safe, High-Quality Care on Hand Surgery Outreach Trips to Low and Middle-Income Countries.** *The Journal of bone and joint surgery. American volume*
  Shapiro, L. M.
  2020; Publish Ahead of Print
- **Patient-Reported Outcome Measures (PROMs): Influence of Motor Tasks and Psychosocial Factors on FAAM Scores in Foot and Ankle Trauma Patients.** *The Journal of foot and ankle surgery : official publication of the American College of Foot and Ankle Surgeons*
  Schultz, B. J., Tanner, N. n., Shapiro, L. M., Segovia, N. A., Kamal, R. N., Bishop, J. A., Gardner, M. J.
  2020
- **Health Policy in Hand Surgery: Evaluating What Works.** *Hand clinics*
  Shapiro, L. M., Kamal, R. N.
  2020; 36 (2): 263–70
- **Testing proposed quality measures for treatment of carpal tunnel syndrome: feasibility, magnitude of quality gaps, and reliability.** *BMC health services research*
  Harris, A. H., Meerwijk, E. L., Ding, Q. n., Trickey, A. W., Finlay, A. K., Schmidt, E. M., Curtin, C. M., Sears, E. D., Nuckols, T. K., Kamal, R. N.
  2020; 20 (1): 861
- **Decompression With or Without Fusion for Lumbar Stenosis: A Cost Minimization Analysis.** *Spine*
  Ziino, C. n., Mertz, K. n., Hu, S. n., Kamal, R. n.
  2020; 45 (5): 325–32
- **Development of a Needs Assessment Tool to Promote Capacity Building in Hand Surgery Outreach Trips: A Methodological Triangulation Approach.** *The Journal of hand surgery*
  Shapiro, L. M., Park, M. O., Mariano, D. J., Kamal, R. N.
  2020
- **Deciding Without Data: Clinical Decision Making in Pediatric Orthopaedic Surgery.** *International journal for quality in health care : journal of the International Society for Quality in Health Care*
  Nathan, K. n., Uzosike, M. n., Sanchez, U. n., Karius, A. n., Leyden, J. n., Nicole, S. n., Sara, E. n., Hastings, K. G., Kamal, R. n., Frick, S. n.
  2020
- **Maximization Personality, Disability and Symptoms of Psychosocial Disease in Hand Surgery Patients.** *Journal of surgical orthopaedic advances*
  Gire, J., Alokozai, A., Sheikholeslami, N., Lindsay, S., Eppler, S. L., Kamal, R. N.
  2020; 29 (2): 106–11
- **The Relationship Between the Tensile and the Torsional Properties of the Native Scapholunate Ligament and Carpal Kinematics.** *The Journal of hand surgery*
  Pang, E. Q., Douglass, N., Behn, A., Winterton, M., Rainbow, M. J., Kamal, R. N.
  2019
- **Patient Willingness to Pay for Faster Return to Work or Smaller Incisions.** *Hand (New York, N.Y.)*

Alokozai, A., Lindsay, S. E., Eppler, S. L., Fox, P. M., Ladd, A. L., Kamal, R. N.
2019: 1558944719890039

- **Physical and Occupational Therapy Use and Cost After Common Hand Procedures.** *The Journal of hand surgery*
  Shah, R. F., Zhang, S., Li, K., Baker, L., Sox-Harris, A., Kamal, R. N.
  2019
- **Performance Metrics in Hand Surgery: Turning a Blind Eye Will Cost You.** *The Journal of hand surgery*
  Roe, A. K., Gil, J. A., Kamal, R. N.
  2019
- **Clinical Care Redesign to Improve Value for Trigger Finger Release: A Before-and-After Quality Improvement Study.** *Hand (New York, N.Y.)*
  Burn, M. B., Shapiro, L. M., Eppler, S. L., Behal, R., Kamal, R. N.
  2019: 1558944719884661
- **Cost in Hand Surgery: The Patient Perspective** *JOURNAL OF HAND SURGERY-AMERICAN VOLUME*
  Alokozai, A., Crijns, T. J., Janssen, S. J., Van der Gronde, B., Ring, D., Sox-Harris, A., Kamal, R. N.
  2019; 44 (11)
- **Does Societal Cost Information Affect Patient Decision-Making in Carpal Tunnel Syndrome? A Randomized Controlled Trial.** *Hand (New York, N.Y.)*
  Kortlever, J. T., Zhuang, T., Ring, D., Reichel, L. M., Vagner, G. A., Kamal, R. N.
  2019: 1558944719873399
- **The Usability and Feasibility of Conjoint Analysis to Elicit Preferences for DistalRadius Fractures in Patients 55Years andOlder.** *The Journal of hand surgery*
  Shapiro, L. M., Eppler, S. L., Baker, L. C., Harris, A. S., Gardner, M. J., Kamal, R. N.
  2019
- **Variability and Costs of Low-Value Preoperative Testing for Carpal Tunnel Release Surgery.** *Anesthesia and analgesia*
  Harris, A. H., Meerwijk, E. L., Kamal, R. N., Sears, E. D., Hawn, M., Eisenberg, D., Finlay, A. K., Hagedorn, H., Mudumbai, S.
  2019; 129 (3): 804-811
- **The Use of Preoperative Antibiotics in Elective Soft-Tissue Procedures in the Hand: A Critical Analysis Review.** *JBJS reviews*
  Shapiro, L. M., Zhuang, T., Li, K., Kamal, R. N.
  2019
- **Financial Distress Is Associated With Delay in Seeking Care for Hand Conditions.** *Hand (New York, N.Y.)*
  Zhuang, T., Eppler, S. L., Shapiro, L. M., Roe, A. K., Yao, J., Kamal, R. N.
  2019: 1558944719866889
- **Differences in the Rotation Axes of the Scapholunate Joint During Flexion-Extension and Radial-Ulnar Deviation Motions.** *The Journal of hand surgery*
  Best, G. M., Mack, Z. E., Pichora, D. R., Crisco, J. J., Kamal, R. N., Rainbow, M. J.
  2019
- **The Role of Patient Research in Patient Trust in Their Physician** *JOURNAL OF HAND SURGERY-AMERICAN VOLUME*
  Lu, L. Y., Sheikholeslami, N., Alokozai, A., Eppler, S. L., Kamal, R. N.
  2019; 44 (7): 617-+
- **Variability and Costs of Low-Value Preoperative Testing for Carpal Tunnel Release Surgery.** *Anesthesia and analgesia*
  Harris, A. H., Meerwijk, E. L., Kamal, R. N., Sears, E. D., Hawn, M., Eisenberg, D., Finlay, A. K., Hagedorn, H., Mudumbai, S.
  2019
- **The Feasibility and Usability of a Ranking Tool to Elicit Patient Preferences for the Treatment of Trigger Finger** *JOURNAL OF HAND SURGERY-AMERICAN VOLUME*
  Shapiro, L. M., Eppler, S. L., Kamal, R. N.
  2019; 44 (6): 480-+
- **The Association of Financial Distress With Disability in Orthopaedic Surgery.** *The Journal of the American Academy of Orthopaedic Surgeons*

Mertz, K., Eppler, S. L., Thomas, K., Alokozai, A., Yao, J., Amanatullah, D. F., Chou, L., Wood, K. B., Safran, M., Steffner, R., Gardner, M., Kamal, R. N.
2019; 27 (11): e522–e528

- **Can Patients Forecast Their Postoperative Disability and Pain?** *CLINICAL ORTHOPAEDICS AND RELATED RESEARCH*
  Alokozai, A., Eppler, S. L., Lu, L. Y., Sheikholeslami, N., Kamal, R. N.
  2019; 477 (3): 635–43
- **Can Patients Forecast Their Postoperative Disability and Pain?** *Clinical orthopaedics and related research*
  Alokozai, A., Eppler, S. L., Lu, L. Y., Sheikholeslami, N., Kamal, R. N.
  2019; 477 (3): 635–43
- **Variation in Surgeons' Requests for General Anesthesia When Scheduling Carpal Tunnel Release.** *Hand (New York, N.Y.)*
  Harris, A. H., Meerwijk, E. L., Kamal, R. N., Sears, E. D., Hawn, M., Eisenberg, D., Finlay, A. K., Hagedorn, H., Marshall, N., Mudumbai, S. C.
  2019: 1558944719828006
- **The Feasibility and Usability of a Ranking Tool to Elicit Patient Preferences for the Treatment of Trigger Finger.** *The Journal of hand surgery*
  Shapiro, L. M., Eppler, S. L., Kamal, R. N.
  2019
- **Cost in Hand Surgery: The Patient Perspective.** *The Journal of hand surgery*
  Alokozai, A., Crijns, T. J., Janssen, S. J., Van Der Gronde, B., Ring, D., Sox-Harris, A., Kamal, R. N.
  2019
- **Team Approach: Management of Scapholunate Instability.** *JBJS reviews*
  Kamal, R. N., Moore, W., Kakar, S.
  2019
- **TEAM APPROACH: MANAGEMENT OF SCAPHOLUNATE INSTABILITY** *JBJS REVIEWS*
  Kamal, R. N., Moore, W., Kakar, S.
  2019; 7 (2)
- **Orthopaedic Trauma Quality Measures for Value-Based Health Care Delivery: A Systematic Review** *JOURNAL OF ORTHOPAEDIC TRAUMA*
  DeBaun, M. R., Chen, M. J., Bishop, J. A., Gardner, M. J., Kamal, R. N.
  2019; 33 (2): 104–10
- **Orthopaedic Trauma Quality Measures for Value Based Healthcare Delivery: A Systematic Review.** *Journal of orthopaedic trauma*
  DeBaun, M. R., Chen, M. J., Bishop, J. A., Gardner, M. J., Kamal, R. N.
  2019
- **Development and validation of a predictive model for American Society of Anesthesiologists Physical Status.** *BMC health services research*
  Mudumbai, S. C., Pershing, S. n., Bowe, T. n., Kamal, R. N., Sears, E. D., Finlay, A. K., Eisenberg, D. n., Hawn, M. T., Weng, Y. n., Trickey, A. W., Mariano, E. R., Harris, A. H.
  2019; 19 (1): 859
- **Patient Preferences for Shared Decision Making: Not All Decisions Should Be Shared.** *The Journal of the American Academy of Orthopaedic Surgeons*
  E Lindsay, S. n., Alokozai, A. n., Eppler, S. L., Fox, P. n., Curtin, C. n., Gardner, M. n., Avedian, R. n., Palanca, A. n., Abrams, G. D., Cheng, I. n., Kamal, R. N.
  2019
- **Is Elective Soft Tissue Hand Surgery Associated with Periprosthetic Joint Infection after Total Joint Arthroplasty?** *Clinical orthopaedics and related research*
  Li, K. n., Jiang, S. Y., Burn, M. B., Kamal, R. N.
  2019
- **National Trends in the Diagnosis of CRPS after Open and Endoscopic Carpal Tunnel Release.** *Journal of wrist surgery*
  Mertz, K. n., Trunzter, J. n., Wu, E. n., Barnes, J. n., Eppler, S. L., Kamal, R. N.
  2019; 8 (3): 209–14
- **Can the QuickDASH PROM be Altered by First Completing the Tasks on the Instrument?** *Clinical orthopaedics and related research*

Shapiro, L. M., Harris, A. H., Eppler, S. L., Kamal, R. N.
2019

- **Variations in Utilization of Carpal Tunnel Release Among Medicaid Beneficiaries.** *The Journal of hand surgery*
  Zhuang, T., Eppler, S. L., Kamal, R. N.
  2018
- **Variation in Nonsurgical Services for Carpal Tunnel Syndrome Across a Large Integrated Health Care System.** *The Journal of hand surgery*
  Sears, E. D., Meerwijk, E. L., Schmidt, E. M., Kerr, E. A., Chung, K. C., Kamal, R. N., Harris, A. H.
  2018
- **Clinical Care Redesign to Improve Value in Carpal Tunnel Syndrome: A Before-and-After Implementation Study.** *The Journal of hand surgery*
  Kamal, R. N., Behal, R.
  2018
- **The Role of Patient Research in Patient Trust in Their Physician.** *The Journal of hand surgery*
  Lu, L. Y., Sheikholeslami, N., Alokozai, A., Eppler, S. L., Kamal, R. N.
  2018
- **Quality Measures in Foot and Ankle Care.** *The Journal of the American Academy of Orthopaedic Surgeons*
  Xiong, G., Bennett, C. G., Chou, L., Kamal, R. N.
  2018
- **Quality Measures in Total Hip and Total Knee Arthroplasty.** *The Journal of the American Academy of Orthopaedic Surgeons*
  Amanatullah, D. F., McQuillan, T., Kamal, R. N.
  2018
- **Low Value Preoperative Testing for Carpal Tunnel Release in the Veterans Health Administration**
  Sox-Harris, A., Meerwijk, E. L., Kamal, R. N., Sears, E., Finlay, A. K., Hawn, M. T., Eisenberg, D., Mudumbai, S.
  ELSEVIER SCIENCE INC.2018: E32
- **Defining Quality in Hand Surgery From the Patient'sPerspective: A Qualitative Analysis.** *The Journal of hand surgery*
  Eppler, S. L., Kakar, S., Sheikholeslami, N., Sun, B., Pennell, H., Kamal, R. N.
  2018
- **Financial Distress and Discussing the Cost of Total Joint Arthroplasty.** *The Journal of arthroplasty*
  Amanatullah, D. F., Murasko, M. J., Chona, D. V., Crijns, T. J., Ring, D., Kamal, R. N.
  2018
- **Patient Perceptions Correlate Weakly With Observed Patient Involvement in Decision-making in Orthopaedic Surgery.** *Clinical orthopaedics and related research*
  Mertz, K., Eppler, S., Yao, J., Amanatullah, D. F., Chou, L., Wood, K. B., Safran, M., Steffner, R., Gardner, M., Kamal, R.
  2018
- **Complication rates by surgeon type after open treatment of distal radius fractures.** *European journal of orthopaedic surgery & traumatology : orthopedie traumatologie*
  Truntzer, J., Mertz, K., Eppler, S., Li, K., Gardner, M., Kamal, R.
  2018
- **Patients Should Define Value in Health Care: A Conceptual Framework.** *The Journal of hand surgery*
  Kamal, R. N., Lindsay, S. E., Eppler, S. L.
  2018
- **The Affordable Care Act Decreased the Proportion of Uninsured Patients in a Safety Net Orthopaedic Clinic** *CLINICAL ORTHOPAEDICS AND RELATED RESEARCH*
  Gil, J. A., Goodman, A. D., Kleiner, J., Kamal, R. N., Baker, L. C., Akelman, E.
  2018; 476 (5): 925–31
- **The Sigmoid Notch View for Distal Radius Fractures.** *The Journal of hand surgery*
  Kamal, R. N., Leversedge, F., Ruch, D. S., Mithani, S. K., Cotterell, I. H., Richard, M. J.
  2018

- **Does Wrist Laxity Influence Three-Dimensional Carpal Bone Motion?** *JOURNAL OF BIOMECHANICAL ENGINEERING-TRANSACTIONS OF THE ASME*
  Best, G. M., Zec, M. L., Pichora, D. R., Kamal, R. N., Rainbow, M. J.
  2018; 140 (4)
- **Does Wrist Laxity Influence Three-Dimensional Carpal Bone Motion?** *Journal of biomechanical engineering*
  Best, G. M., Zec, M. L., Pichora, D. R., Kamal, R. N., Rainbow, M. J.
  2018; 140 (4)
- **What Is the State of Quality Measurement in Spine Surgery?** *CLINICAL ORTHOPAEDICS AND RELATED RESEARCH*
  Bennett, C., Xiong, G., Hu, S., Wood, K., Kamal, R. N.
  2018; 476 (4): 725–31
- **Tensile and Torsional Structural Properties of the Native Scapholunate Ligament.** *The Journal of hand surgery*
  Pang, E. Q., Douglass, N., Behn, A., Winterton, M., Rainbow, M. J., Kamal, R. N.
  2018
- **Effectiveness of Preoperative Antibiotics in Preventing Surgical Site Infection After Common Soft Tissue Procedures of the Hand.** *Clinical orthopaedics and related research*
  Li, K. n., Sambare, T. D., Jiang, S. Y., Shearer, E. J., Douglass, N. P., Kamal, R. N.
  2018
- **High Survivorship and Few Complications With Cementless Total Wrist Arthroplasty at a Mean Followup of 9 Years.** *Clinical orthopaedics and related research*
  Gil, J. A., Kamal, R. N., Cone, E., Weiss, A. C.
  2017; 475 (12): 3082-3087
- **Treatment Trends in Older Adults With Midshaft Clavicle Fractures** *JOURNAL OF HAND SURGERY-AMERICAN VOLUME*
  Pang, E., Zhang, S., Harris, A. H. S., Kamal, R. N.
  2017; 42 (11): 875–82
- **Quality Measures in Orthopaedic Sports Medicine: A Systematic Review** *ARTHROSCOPY-THE JOURNAL OF ARTHROSCOPIC AND RELATED SURGERY*
  Abrams, G. D., Greenberg, D. R., Dragoo, J. L., Safran, M. R., Kamal, R. N.
  2017; 33 (10): 1896–1910
- **Volar Capsular Release After Distal RadiusFractures.** *The Journal of hand surgery*
  Kamal, R. N., Ruch, D. S.
  2017
- **Cost Minimization Analysis of Ganglion Cyst Excision.** *The Journal of hand surgery*
  Pang, E. Q., Zhang, S., Harris, A. H., Kamal, R. N.
  2017; 42 (9)
- **PERIOPERATIVE SMOKING CESSATION AND CLINICAL CARE PATHWAY FOR ORTHOPAEDIC SURGERY** *JBJS REVIEWS*
  Truntzer, J., Comer, G., Kendra, M., Johnson, J., Behal, R., Kamal, R. N.
  2017; 5 (8): e11
- **Evidence-Based Medicine: Surgical Management of Flexor Tendon Lacerations** *PLASTIC AND RECONSTRUCTIVE SURGERY*
  Kamal, R. N., Yao, J.
  2017; 140 (1): 130E–139E
- **Cost-minimization Analysis of the Management of Acute Achilles Tendon Rupture.** *journal of the American Academy of Orthopaedic Surgeons*
  Truntzer, J. N., Triana, B., Harris, A. H., Baker, L., Chou, L., Kamal, R. N.
  2017; 25 (6): 449-457
- **Quality Measures in Breast Reconstruction: A Systematic Review.** *Annals of plastic surgery*
  Nazerali, R. N., Finnegan, M. A., Divi, V., Lee, G. K., Kamal, R. N.
  2017

- **Association of Lunate Morphology With Carpal Instability in Scapholunate Ligament Injury.** *Hand (New York, N.Y.)*
  Pang, E. Q., Douglass, N., Kamal, R. N.
  2017: 1558944717709073-?
- **Impact of Health Literacy on Time Spent Seeking Hand Care.** *Hand (New York, N.Y.)*
  Alokozai, A., Bernstein, D. N., Sheikholeslami, N., Uhler, L., Ring, D., Kamal, R. N.
  2017: 1558944717708027-?
- **Simple Assessment of Global Bone Density and Osteoporosis Screening Using Standard Radiographs of the Hand.** *journal of hand surgery*
  Schreiber, J. J., Kamal, R. N., Yao, J.
  2017
- **Cost-Minimization Analysis of Open and Endoscopic Carpal Tunnel Release.** *journal of bone and joint surgery. American volume*
  Zhang, S., Vora, M., Harris, A. H., Baker, L., Curtin, C., Kamal, R. N.
  2016; 98 (23): 1970-1977
- **Quality Measures That Address the Upper Limb** *JOURNAL OF HAND SURGERY-AMERICAN VOLUME*
  Kamal, R. N., Ring, D., Akelman, E., Ruch, D. S., Richard, M. J., Ladd, A., Got, C., Blazar, P., Yao, J., Kakar, S.
  2016; 41 (11): 1041-1048
- **Carpal Kinematics and Kinetics** *JOURNAL OF HAND SURGERY-AMERICAN VOLUME*
  Kamal, R. N., Starr, A., Akelman, E.
  2016; 41 (10): 1011-1018
- **The Impact of the New Carpal Tunnel Clinical Practice Guidelines.** *The Journal of hand surgery*
  Kamal, R. N.
  2016; 41 (9): e329
- **Quality and Value in an Evolving Health Care Landscape.** *journal of hand surgery*
  Kamal, R. N.
  2016; 41 (7): 794-799
- **High Disparity Between Orthopedic Resident Interest and Participation in International Health Electives** *ORTHOPEDICS*
  Zhang, S., Shultz, P., Daniels, A., Akelman, E., Kamal, R. N.
  2016; 39 (4): E680-E686
- **Quality Measurement: A Primer for Hand Surgeons** *JOURNAL OF HAND SURGERY-AMERICAN VOLUME*
  Kamal, R. N., Kakar, S., Ruch, D., Richard, M. J., Akelman, E., Got, C., Blazar, P., Ladd, A., Yao, J., Ring, D.
  2016; 41 (5): 645-651
- **Orthopaedic Surgeon Burnout: Diagnosis, Treatment, and Prevention** *JOURNAL OF THE AMERICAN ACADEMY OF ORTHOPAEDIC SURGEONS*
  Daniels, A. H., Depasse, J. M., Kamal, R. N.
  2016; 24 (4): 213-219
- **Quality Measures in Upper Limb Surgery.** *journal of bone and joint surgery. American volume*
  Kamal, R. N., Ring, D., Akelman, E., Yao, J., Ruch, D. S., Richard, M., Ladd, A., Got, C., Blazar, P., Kakar, S.
  2016; 98 (6): 505-510
- **Subject-Specific Carpal Ligament Elongation in Extreme Positions, Grip, and the Dart Thrower's Motion** *JOURNAL OF BIOMECHANICAL ENGINEERING-TRANSACTIONS OF THE ASME*
  Rainbow, M. J., Kamal, R. N., Moore, D. C., Akelman, E., Wolfe, S. W., Crisco, J. J.
  2015; 137 (11)
- **Management of Intercarpal Ligament Injuries Associated with Distal Radius Fractures.** *Hand clinics*
  Desai, M. J., Kamal, R. N., Richard, M. J.
  2015; 31 (3): 409-416
- **Management of Intercarpal Ligament Injuries Associated with Distal Radius Fractures.** *Hand clinics*
  Desai, M. J., Kamal, R. N., Richard, M. J.

2015; 31 (3): 409-416

- **Deltoid Compartment Syndrome After Prolonged Lateral Decubitus Positioning: A Case Report.** *JBJS case connector*
  Borenstein, T. R., Cohen, E., McDonnell, M., Kamal, R. N., Hayda, R. A.
  2015; 5 (2): e45
- **Ulnar shortening osteotomy for distal radius malunion.** *Journal of wrist surgery*
  Kamal, R. N., Leversedge, F. J.
  2014; 3 (3): 181-186
- **Salvage of Distal Radius Nonunion With a Dorsal Spanning Distraction Plate** *JOURNAL OF HAND SURGERY-AMERICAN VOLUME*
  Mithani, S. K., Srinivasan, R. C., Kamal, R., Richard, M. J., Leversedge, F. J., Ruch, D. S.
  2014; 39 (5): 981-984
- **Post-traumatic Raynaud's phenomenon following volar plate injury.** *Rhode Island medical journal (2013)*
  Chodakiewitz, Y. G., Daniels, A. H., Kamal, R. N., Weiss, A. C.
  2014; 97 (4): 24-26
- **Quality of internet health information on thumb carpometacarpal joint arthritis.** *Rhode Island medical journal (2013)*
  Kamal, R. N., Paci, G. M., Daniels, A. H., Gosselin, M., Rainbow, M. J., Weiss, A. C.
  2014; 97 (4): 31-35
- **Extensive Subcutaneous Emphysema Resembling Necrotizing Fasciitis** *ORTHOPEDICS*
  Kamal, R. N., Paci, G. M., Born, C. T.
  2013; 36 (5): 671-675
- **Nerve compression syndromes of the upper extremity: diagnosis, treatment, and rehabilitation.** *Rhode Island medical journal (2013)*
  Mansuripur, P. K., Deren, M. E., Kamal, R.
  2013; 96 (5): 37-39
- **Total Wrist Arthroplasty** *JOURNAL OF THE AMERICAN ACADEMY OF ORTHOPAEDIC SURGEONS*
  Weiss, A. C., Kamal, R. N., Shultz, P.
  2013; 21 (3): 140-148
- **In vivo kinematics of the scaphoid, lunate, capitate, and third metacarpal in extreme wrist flexion and extension.** *journal of hand surgery*
  Rainbow, M. J., Kamal, R. N., Leventhal, E., Akelman, E., Moore, D. C., Wolfe, S. W., Crisco, J. J.
  2013; 38 (2): 278-288
- **The effect of the dorsal intercarpal ligament on lunate extension after distal scaphoid excision.** *journal of hand surgery*
  Kamal, R. N., Chehata, A., Rainbow, M. J., Llusá, M., Garcia-Elias, M.
  2012; 37 (11): 2240-2245
- **Elongation of the dorsal carpal ligaments: a computational study of in vivo carpal kinematics.** *journal of hand surgery*
  Rainbow, M. J., Crisco, J. J., Moore, D. C., Kamal, R. N., Laidlaw, D. H., Akelman, E., Wolfe, S. W.
  2012; 37 (7): 1393-1399
- **Updates on Disaster Preparedness and Progress in Disaster Relief** *JOURNAL OF THE AMERICAN ACADEMY OF ORTHOPAEDIC SURGEONS*
  Pollak, A. N., Born, C. T., Kamal, R. N., Adashi, E. Y.
  2012; 20: S54-S58
- **In Vivo Triquetrum-Hamate Kinematics through a Simulated Hammering Wrist Motion** *J Bone Joint Surg Am*
  Kamal, R., et al
  2012
- **The Use of Near-Infrared Spectrometry for the Diagnosis of Lower-extremity Compartment Syndrome** *ORTHOPEDICS*
  Bariteau, J. T., Beutel, B. G., Kamal, R., Hayda, R., Born, C.
  2011; 34 (3)
- **Total Wrist Athroplasty in the Non-Rheumatoid Patient** *J Hand Surg Am.*
  Kamal, R.

2011

- **Arthroscopic Treatment of Radiocarpal Dislocation: A Case Report** *Journal of Bone and Joint Surgery*
  Kamal, R., et al
  2011

- **Effects on cytokines and histology by treatment with the ace inhibitor captopril and the antioxidant retinoic acid in the monocrotaline model of experimentally induced lung fibrosis** *CURRENT PHARMACEUTICAL DESIGN*
  Baybutt, R. C., Herndon, B. L., Umbehr, J., Mein, J., Xue, Y., Reppert, S., Van Dillen, C., Kamal, R., Halder, A., Moteni, A.
  2007; 13 (13): 1327-1333

- **Retinoic Acid-High Diet controls M1/M2 Activation Phenotypes in Macrophages and Protects from Monocrotaline-Induced Pulmonary Fibrosis** *Nutrition Research*
  Kamal, R., et al
  2004

PRESENTATIONS

- Retinoic Acid: A Novel Therapy for Pulmonary Fibrosis - American Association of Immunology (AAI) National Convention, 2003.
- Retinoic Acid: A Novel Therapy for Pulmonary Fibrosis - American Medical Association (AMA) Annual Meeting, 2003.
- Screening for Polymorphisms in Surfactant Protein C in a Cohort of Patients with Idiopathic Pulmonary Fibrosis - National Institutes of Health Poster Day, 2004.
- Simulated Contact Forces in the Triquetrum-Hamate Joint Driven with Subject Specific In-Vivo Kinematics - American Society of Biomechanics Annual Meeting, 2010.
- In Vivo Triquetrum-Hamate Kinematics During a Hammering Motion. - Orthopaedic Research Society Annual Meeting, March 2010.
- Suture Suspension Thumb CMC Arthroplasty - . 11th Triennial Congress of IFSSH, Oct 2010
- Intraarticular versus Subtendinous Corticosteroid Injection for the Treatment of Lateral Epicondylitis: A Randomized Controlled Trial. - AOA Annual Meeting, June 2011.
- Intraarticular versus Subtendinous Corticosteroid Injection for the Treatment of Lateral Epicondylitis: A Randomized Controlled Trial. - AOSSM Annual Meeting, July 2011.
- Arthroscopic Reduction and Percutaneous Pinning of a Radiocarpal Dislocation: A Case Report - AANA Annual Meeting, April 2011
- DIC Ligament is a Secondary Stabilizer to the Lunocapitate Joint and Prevents Increased CIND-DISI After Distal Scaphoid Excision - ASSH Annual Meeting, Sept 2011
- Uncemented Total Wrist Arthroplasty: Long Term Results. - ASSH Annual Meeting, Sept 2011
- Contributions of Cartilage and Ligaments to the Scaphoid Flexion Moment during the Dart Thrower's Motion. - ORS Annual Meeting, Feb 2012
- Proximal Trapezoidectomy after Trapeziectomy Leads to Carpal Instability: A Preliminary Study - AAOS Annual Meeting, Feb 2012
- Arthroscopic Capitellum Fixation: Midterm Follow Up and Surgical Technique. - ASSH/AHSS Combined Meeting, March 2012
- Midterm Follow Up After Distal Scaphoid Excision for STT Arthritis and SNAC Wrists. - ASSH/AHSS Combined Meeting, March 2012
- Quality of Internet Health Information on Thumb Carpometacarpal Joint Arthritis. - AAOS Annual Meeting, March 2013