

Curriculum Vitae
Eric L. Smith, MD, FAOA, FAAOS, FAAHKS
Chief of Arthroplasty
New England Baptist Hospital
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Academic Training:

05/1992 B.S. University of California at Davis, Biological Sciences
05/1996 M.D. Tulane University School of Medicine, New Orleans, LA

Additional Training:

1996-1997 General Surgical Internship, Tripler Army Medical Center, Honolulu, HI
1998-2002 Residency in Orthopaedic Surgery, Tripler Army Medical Center, Honolulu, HI
2006-2007 Otto E. Aufranc Adult Reconstructive Fellowship, New England Baptist Hospital, Boston, MA

Academic Appointments:

2008-2014 Assistant Professor, Tufts University School of Medicine
2015-03/2016 Associate Professor, Tufts University School of Medicine
07/2018-09/2019 Associate Professor, Boston University School of Medicine
04/2020-11/2023 Associate Professor, Tufts University School of Medicine
11/2023-Present Professor, Tufts University School of Medicine

Hospital Appointments or Other Employment:

07/1997-06/1998 121 US Army Hospital, Seoul, South Korea (Flight Surgeon)
07/2002-06/2006 US Army Orthopaedics (Tripler AMC HI, Ft. Bragg NC, Camp Lejeune NC, Afghanistan)
07/2006-07/2007 Orthopaedics, New England Baptist Hospital
07/2007-03/2016 Orthopaedics, Tufts Medical Center
11/2010-12/2013 Orthopaedics, New England Sinai Hospital
03/2016-09/2019 Orthopaedics, Boston Medical Center
10/2019-Present Orthopaedics, New England Baptist Hospital
01/2020-Present Orthopaedics, Beth Israel Deaconess Medical Center

Honors:

04/2000 Richardson Award (1st place) 15th Annual Combined Orthopaedic Spring Symposium, Honolulu, HI: “Matzkin EG, **Smith EL**, Wilson A, Murray PC. External fixation of pediatric femur fractures with cortical contact”
04/2003 Richardson Award (1st Place) 18th Annual Combined Orthopaedic Spring Symposium, Honolulu, HI: Matzkin E, **Smith EL**, Freccero D, Richardson AB. “Adequacy of education in musculoskeletal medicine.”

Eric L. Smith, M.D.

- 07/2005 Excellence in Research Award, American Orthopaedic Society for Sports Medicine
Bottoni CR, **Smith EL**, Berkowitz MJ, Towle RB, Moore JH. “Arthroscopic versus open shoulder stabilization for recurrent anterior instability: a prospective randomized clinical trial,” Am J Sports Med. 2006 Nov;34
- 12/2005 Norman T. Kirk Award 47th Annual Meeting, Society of Military Orthopaedic Surgeons
Bottoni CR, **Smith EL**, Freitas AD. “Preoperative and postoperative magnetic resonance arthrograms in shoulders after arthroscopic and open anterior stabilization in a prospective, randomized, clinical trial“(SS-28). Arthroscopy. 2004 May;20
- 07/96-06/06 Army Commendation Medal x 4, Meritorious Service Medal, Global War on Terrorism Award
- 06/2010 Resident Teaching Award, Department of Orthopaedics, Tufts Medical Center
- 12/2012 Patient Choice Award
- 04/2014 Richardson Award, 29th Annual Combined Orthopaedic Spring Symposium, Honolulu, HI: “Bottoni CR, **Smith EL**, Shaha J, Shaha SS, Raybin SG, Tokish JM, Rowles DJ. Autograft Versus Allograft Anterior Cruciate Ligament Reconstruction: A Prospective, Randomized Clinical Study with a Minimum 10-Year Follow-up”
- 11/2015 Boston’s Top Doctors (Castle Connolly)
- 07/2016 Hughston Award for Most Outstanding Paper appearing in The American Journal of Sports Medicine (AJSM)
“Bottoni CR, **Smith EL**, Shaha J, Shaha SS, Raybin SG, Tokish JM, Rowles DJ. Autograft Versus Allograft Anterior Cruciate Ligament Reconstruction: A Prospective, Randomized Clinical Study with a Minimum 10-Year Follow-up.
- 11/2016 Boston’s Top Doctors (Castle Connolly)
- 11/2017 Boston’s Top Doctors (Castle Connolly)
- 11/2018 Boston’s Top Doctors (Castle Connolly)
- 06/2019 Robert E. Leach Resident Teaching Award, Boston University School of Medicine
- 11/2019 Boston’s Top Doctors (Castle Connolly)
- 08/2020 Boston’s Top Doctors (Castle Connolly)
- 08/2021 Boston’s Top Doctors (Castle Connolly)
- 08/2022 Boston’s Top Doctors (Castle Connolly)
- 10/19/2022 Winner Best Resident Paper
“Time-Driven Activity-Based Costs for Manipulation under Anesthesia after Total Knee Arthroplasty,” Massachusetts Orthopaedic Society Annual Meeting (Needham, MA) [*Podium Presentation*]
- 08/2023 Boston’s Top Doctors (Castle Connolly)
- 9/22-23/2023 Winner Best Clinical Paper
“Supplemental Testosterone Increases Risk of Reoperation after Total Shoulder Arthroplasty,” Orthopedic Summit Evolving Techniques (Boston, MA) [*Podium Presentation*]
- 12/14/2023 The Thomas & Cynthia Sculco Research Award “Medical and Recreational Cannabis State Laws’ Impact on Trends in Postoperative Opioid Prescriptions

in TJA patients,” Current Concepts in Joint Replacement Annual Meeting.
(Orlando, FL). [*Poster Presentation*]

Licenses and Certification:

09/2002 American Board of Orthopaedic Surgeons Part I
07/2004 American Board of Orthopaedic Surgeons Part II
07/2007 National Board of Medical Examiners
11/2014 Massachusetts, License #225936
11/2014 Vermont, License 042.0012197

Departmental and University Committees:

01/2008-07/2008 Institutional Review Board, Full Membership, Tufts University Health Sciences (MA)
02/2008-03/2016 LCO Cost Management and Quality Improvement Committee, Tufts Medical Center (MA)
10/2012-03/2016 Surgical Site Infections (SSI) Project, Tufts Medical Center
02/2014-03/2016 Selection Committee for the Physician Organization Board, Tufts Medical Center
03/2016-09/2019 Inpatient Medical Directors Committee, Boston Medical Center (MA)
03/2016-09/2019 Antithrombotic Task Force Committee, Boston Medical Center
03/2016-09/2019 Perioperative Surgical Executive Group Task Force (PSGT) Committee, Boston Medical Center
03/2016-09/2019 Pre-Procedure Clinic (PPC) Committee, Boston Medical Center
03/2016-09/2019 Quality, Safety and Patient Experience Council (QSPEC), Boston Medical Center
10/2019-Present OR Executive Committee, New England Baptist Hospital (MA)
10/2019-Present High-Risk Coordination Committee, New England Baptist Hospital
10/2019-Present Block Committee, New England Baptist Hospital
04/2020-Present Spring (Year-End) Clinical Competency Committee, New England Baptist Hospital
11/2020-Present Medical Executive Committee, New England Baptist Hospital
11/2020-Present MSK Joint Oversight Steering Committee, New England Baptist Hospital
06/2021-Present Program Evaluation Committee, New England Baptist Hospital
11/2021-Present CME Committee, New England Baptist Hospital

Teaching Experience and Responsibilities:

01/2008-03/2016 Resident Education (Friday Lectures): Total Joint Arthroplasty, Department of Orthopaedics, Tufts Medical Center
01/2009-03/2016 Patient Education: Total Joint Workshop, Department of Orthopaedics, Tufts Medical Center
09/2009-09/2015 Musculoskeletal Course, Department of Anatomy, Tufts University School of Medicine
01/2014-03/2016 CTSI Research Career Seminar, Tufts Medical Center
11/2015-09/2019 Annual AAOS Maintenance of Certification Total Joint Review Course, Boston University

- 03/2016-09/2019 Regular Grand Round lectures to house staff, fellows on total joint arthroplasty, Boston Medical Center
- 03/2016-09/2019 Regular total joint replacement review teaching, Boston Medical Center
- 03/2016-09/2019 Quarterly comprehensive total joint replacement lectures, Boston Medical Center
- 03/2016-09/2019 Quarterly total joint replacement focused journal club, Boston Medical Center
- 08/2018-09/2019 Weekly total joint replacement fellow conference, Boston Medical Center
- 10/2019-Present Monthly Patient M&M, New England Baptist Hospital
- 10/2019-Present Joint Indications Conference, New England Baptist Hospital
- 12/2019-Present Weekly Joint Fellow Lecture, New England Baptist Hospital

Major Mentoring Activities:

- 12/2011-06/2012 Master's Thesis Mentor: Metal-on-metal Hips: A thesis submitted by Peter Malm
Master's Thesis Mentor: Total Elbow Arthroplasty versus Hemiarthroplasty for Irreparable Distal Humerus Fractures by Jeffrey Tompson
MD/PhD Mentor: Advisor to Total Joint Arthroplasty for Averi Leahy Gibson
- 05/2012-06/2013 Master's Thesis Mentor: Uncovering Barriers and Facilitators to Electing Joint Replacement Surgery: A Study of Chinese Immigrant-Specific Factors by Erin Davis
- 06/2013-08/2015 Master's Thesis Mentor: Methodology in the Application of Human Factors Engineering to the Redesign of an Oscillating Bone Saw to Reduce High Risk Postures of the Wrist and to Enhance Performance by Tabitha A. Solomon
- 09/2015-12/2015 Master's Thesis Mentor: Scapular Dyskinesis – A Literature Review by Forrest Mahony, Tufts University School of Medicine
- 09/2016-12/2016 Master's Thesis Mentor: A qualitative analysis on the dissemination, awareness and adoption of opioid prescriber guidelines in Orthopaedics by Mary Pevear
- 01/2018-05/2018 Master's Thesis Mentor: Chronic Opioid Use in Total Hip Arthroplasty and Total Knee Arthroplasty Patients by Rachel Clark Lasky
- 04/2018-09/2018 Sung Jun Son: Boston University Summer Grant recipient
- 04/2018-09/2018 Ella Cornell: Boston University Summer Grant recipient
- 07/2018-06/2019 Kenneth McAlpine: Boston Medical Center Reconstructive Fellow
- 04/2019-09/2019 Grant Shewmaker: Boston University Summer Grant recipient
- 04/2019-04/2019 Max H. Vaickus: Boston University Summer Grant recipient
- 01/2019-05/2019 Master's Thesis Mentor: Understanding the Prior Authorization for Total Joint Procedures from the Payer, Provider, and Patient Perspectives by Carmen Shin
- 04/2020-09/2020 Sean Wrenn: Boston University Summer Grant recipient

Major Administrative Responsibilities:

- 2007-2016 Chief of Arthroplasty in the Department of Arthroplasty, Tufts Medical Center
- 2016-2019 Section Chief of the Total Joint Arthroplasty Program, Boston Medical Center
- 2019-Present Chief of Arthroplasty, Department of Orthopedics, New England Baptist Hospital
- 2019-Present Board Member, Orthopedic Clinical Associates
- 2019-Present Co-Director, Beth Israel Lahey Health Musculoskeletal Quality Collaborative

- 2020-Present Medical Director, Orthopedic Specialty Practice, New England Baptist Hospital
- 2020-Present Medical Co-Director, Orthopedic Surgery Physician Assistant Fellowship, New England Baptist Hospital

Professional Societies: Memberships, Offices, and Committee Assignments:

- 1998-2003 Member, Hawaii Orthopaedic Association
- 1998-2008 Member, Society of Military Orthopaedic Surgeons
- 2006-Present Fellow, American Academy of Orthopaedic Surgeons (FAAOS)
- 2008-Present Fellow, American Association of Hip and Knee Surgeons (FAAHKS)
- 2008-Present Member, Massachusetts Orthopaedic Society
- 2009-Present Member, Eastern Orthopaedic Association
- 2012-2018 Boots on the Ground Advocacy Program, AAHKS
- 2014-Present Fellow, American Orthopaedic Association (FAOA)
- 2015-2018 ABC Traveling Fellowship Committee, American Orthopaedic Association
- 2018-Present Member, Musculoskeletal Infection Society
- 2019-Present Hip and Knee Content Committee, AAOS
- 2020-2021 Volunteer, Women in Arthroplasty Committee, AAHKS
- 2020-Present Member, European Society of Sports Traumatology, Knee Surgery & Arthroscopy (ESSKA)
- 2021-Present Committee Member, Women in Arthroplasty Committee, AAHKS
- 2021-Present Committee Member, Adult Reconstructive Orthopaedic Surgery Work Group, AAOS
- 2021-Present Board Member, Massachusetts Orthopaedic Association (MOA)
- 05/2022 Program Chairman, MOA annual meeting

Editorial Boards:

- 2016-Present Reviewer, *Journal of Arthroplasty*
- 2017-2020 Editor, *LMJ Orthopaedics*
- 2018-2021 Reviewer, *Chinese Journal of Medical Research*
- 2018-2020 Guest Editor, *Geriatrics: Special Issue "Orthopedic Surgery and Rehabilitation in the Aging Population"* (April 2020)
- 2018-Present Reviewer, *BMC Musculoskeletal Disorders*
- 2019-2021 Reviewer, *Clinical Medicine Insights: Arthritis and Musculoskeletal Disorders*
- 2019-Present Reviewer, *Arthroplasty Today*
- 2020-Present Reviewer, *Journal of Knee Surgery*
- 2020-Present Reviewer, *Journal of Critical Medicine*
- 2023-Present Advisory Council Journal of Orthopedic experience and Innovation

Research Support:

Current:

- 10/2022-11/2023 PI: Brian Hollenbeck, MD, A Randomized, Double-Blind, Placebo-Controlled Multicenter Study to Evaluate the Safety and Efficacy of APT Phage Bank Phage Therapy versus Placebo in Conjunction with Debridement, Antibiotics, and Implant Retention (DAIR) in Subjects with Chronic Prosthetic Joint Infection (PJI), Total Cost: \$340,000, Role: Sub-Investigator.

Eric L. Smith, M.D.

11/2023-Present PI: Eric L Smith, MD, Medacta M-Vizion™ Macroscopic Radiographic Study, Multi-center, Post-Market Outcomes Study, Total Cost: \$90,820, Role: Principle Investigator.

Past:

- 01/2009-03/2016 PI: Eric L. Smith, MD, Stryker Orthopaedics Research Grant, LFIT™ Anatomic CoCr Femoral Heads With X3® Polyethylene Insert Study - An Open Label, Prospective, Post-market, Multi-center Clinical Evaluation of the LFIT™ Anatomic CoCr Femoral Heads With X3® Inserts, Total Cost: \$30,000.00 Role: Principal Investigator
- 05-08/2010 PI: Eric L. Smith, MD, Harold Williams Summer Research Fellowship Grant, Tufts University School of Medicine, Gastric Bypass and Total Joint Arthroplasty, Total Cost: \$4,000.00 Role: Principal Investigator
- 05-08/2011 PI: Eric L. Smith, MD, Harold Williams Summer Research Fellowship Grant, Tufts University School of Medicine, Blood Usage and Total Joint Arthroplasty, Total Cost: \$4,000.00 Role: Principal Investigator
- 12/2011-03/2016 PI: Eric L. Smith, MD, Stryker Orthopaedics Research Grant, A Prospective, post-market, multi-center study of the outcomes of the Triathlon™ TS Total Knee System, Total Cost: \$60,000.00 Role: Principal Investigator
- 05-08/2012 PI: Eric L. Smith, MD, Harold Williams Summer Research Fellowship Grant, Tufts University School of Medicine, Deflection of Cancellous Bone Screws under a Cantilever Bending Load, Total Cost: \$4,000.00 Role: Principal Investigator
- 05-08/2013 PI: Eric L. Smith, MD, Harold Williams Summer Research Fellowship Grant, Tufts University School of Medicine, Efficacy of Short-Term Intraarticular Corticosteroid Injections in Patients with Symptomatic Osteoarthritis, Total Cost: \$2,000.00 Role: Principal Investigator
- 05-08/2013 PI: Eric L. Smith, MD, Harold Williams Summer Research Fellowship Grant, Tufts University School of Medicine, Readmissions Rates after Primary Total Joint Arthroplasty: A Prospective, non-randomized trial comparing discharge to rehab centers versus home, Total Cost: \$2,000.00, Role: Principal Investigator
- 01/2013-02/2014 PI: Eric L. Smith, MD, Pfizer Research Grant, Acquisition of Human Skeletal Tissue with Associated Blood Samples, Total Cost: \$11,058.00 Role: Principal Investigator
- 01/2014-08/2015 PI: Susan Hadley, MD, CTSI Pilot Studies Program-Catalyst Award, Antibiotic Spacer for Infected Joint Prostheses-A Pilot Study of Antibiotic Doses & Kidney Function, Total Cost: \$30,000.00 Role: Co-Investigator
- 01/2014-03/2016 PI: Eric L. Smith, MD, Research Grant, Apex Revision Knee™ System, a Prospective Post-market Study to Evaluate Patient Outcomes and Device Survivorship, Total Cost: \$54,000.00 Role: Principal Investigator
- 05-08/2014 PI: Eric L. Smith, MD, Harold Williams Summer Research Fellowship Grant, Tufts University School of Medicine, Long Term Joint/ Functional Outcome for Prosthetic Joint Infection after Two Stage Arthroplasty, Total Cost: \$4,000.00, Role: Principal Investigator

Eric L. Smith, M.D.

- 05-08/2014 PI: Eric L. Smith, MD, Harold Williams Summer Research Fellowship Grant, Tufts University School of Medicine, Thirty Day Outcomes of a Collaborative Surgical Home Initiative at a Tertiary Academic Medical Center, Total Cost: \$4,000.00, Role: Principal Investigator
- 05-08/2014 PI: Eric L. Smith, MD, Harold Williams Summer Research Fellowship Grant, Tufts University School of Medicine, Reduction in Surgical Site Infections (SSI) Following Total Joint arthroplasty (TJA) Using a Three-pronged Prophylaxis Approach, Total Cost: \$4,000.00 Role: Principal Investigator
- 01/2014-03/2016 PI: Eric L. Smith, MD, DePuy Research Grant, 36mm Ceramax Ceramic Hip System PMA Post Approval Study: Short to Mid-Term Follow-up of New Subjects, Total Cost: \$137,790.00, Role: Principal Investigator
- 01/2014-03/2016 PI: Eric L. Smith, MD, DePuy Research Grant, 28mm Ceramax Ceramic Hip System PMA Post Approval Study: Short to Mid-Term Follow-up of New Study Subjects, Total Cost: \$171,540.00, Role: Principal Investigator
- 01/2015-01/2016 PI: Eric L. Smith, New England Quality Care Alliance Emerging Measures- Patient Reported Outcomes Measure, Total Cost: \$125,000.00, Role: Principal Investigator
- 01/2016-10/2022 PI: Eric L. Smith, MD, Conformis Research Grant, A Prospective, Randomized, Multicenter Study to Evaluate the ConforMIS iTotal® (CR) Knee Repair System Versus Off-The-Shelf Replacement, Total Cost: \$305,000.00, Role: Principal Investigator
- 01/2016-01/2017 PI: Li Zeng, PhD, National Institute of Health, Near Infrared Fluorescence Imaging as an Early Osteoarthritis biomarker, Total Cost: \$30,000 Role: Co-Investigator, Consultant
- 06-08/2017 PI: Eric L. Smith, MD, Boston University School of Medicine Medical Student Summer Research Program (MSSRP) Grant, Assessing Factors Determining Home versus Rehab Discharge Following Primary Total Joint Arthroplasty for Patients Who Live Alone, Total Cost: \$2,000.00, Role: Principal Investigator
- 04/2017-09/2019 PI: Eric L. Smith, MD, DePuy Research Grant, Actis Total Hip System 2 Year Follow-up, Total Cost: \$77,000.00, Role: Principal Investigator
- 07/2017-10/2019 PI: Eric L. Smith, MD, Orthopaedic Research and Education Foundation (OREF), Bone Tissue Repository, Total Cost: \$50,000.00, Role: Principal Investigator
- 04-09/2018 PI: Eric L. Smith MD, Boston University School of Medicine Medical Student Summer Research Program (MSSRP) Grant, Mega-Prosthesis for Non-Oncological Conditions, Total Cost: \$2,400, Role: Principal Investigator
- 04-09/2019 PI: Eric L. Smith, MD, Boston University School of Medicine Medical Student Summer Research Program (MSSRP) Grant, Hospital Discharge from A Safety Net Hospital within One Day of THA vs. Multi-Day: Impact on Post-op Complication and Readmission Rates, Total Cost: \$4,800, Role: Principal Investigator
- 04-09/2020 PI: Eric L. Smith, MD, Boston University School of Medicine Medical Student Summer Research Program (MSSRP) Grant, The Natural History of Range of Motion After Total Knee Arthroplasty, Total Cost: \$2,400, Role: Principal Investigator

Invited Lectures and Conference Presentations

Regional/Local:

- 3/11/2009 “Contemporary Metal on Metal Articulations of Total Hip Arthroplasty,” Newton Wellesley Hospital (Wellesley, MA) [*Grand Rounds*]
- 6/5/2009 “Routine Shortening after THA,” Thibodeau Lecture, Tufts University School of Medicine (Boston, MA) [*Invited Lecture*]
- 9/9/2009 “Current Trends on Pain Management after TKA,” Department of Anesthesia, Tufts Medical Center (Boston, MA) [*Invited Lecture*]
- 9/23/2009 “Current Trends in Total Joint Arthroplasty: Tufts Medical Center and Beyond,” Carney Hospital (Dorchester, MA) [*Grand Rounds*]
- 3/10/2010 “Contemporary Metal on Metal Articulations of Total Hip Arthroplasty,” Tufts Medical Center (Boston, MA) [*Grand Rounds*]
- 4/14/2010 “Evaluation of Hip and Knee Pain,” Milton Hospital (Milton, MA) [*Grand Rounds*]
- 9/15/2010 “Leg Length Discrepancy and Total Hip Arthroplasty: Preoperative, Intraoperative and Postoperative considerations,” New England Baptist Hospital (Boston, MA) [*Grand Rounds*]
- 10/14/2010 “Sources of Error in TKA,” Eastern Orthopaedic Association Annual Meeting (Naples, FL) [*Podium Presentation*]
- 12/9/2010 “Orthopaedic Trauma Care in Afghanistan,” Tufts School of Medicine Military Medical Society (Boston, MA) [*Invited Lecture*]
- 6/17/2011 “Rapid Weight Loss after Gastric Bypass Surgery May Increase Need for Total Joint Arthroplasty,” Thibodeau Lecture, Tufts University School of Medicine (Boston, MA) [*Invited Lecture*]
- 6/17/2011 “Re-learning Curve of Conventional Total Knee Arthroplasties following 30 Consecutive Computer-Assisted Total Knee Arthroplasties,” Thibodeau Lecture, Tufts University School of Medicine (Boston, MA) [*Invited Lecture*]
- 10/19/2011 “Nationwide Analysis of Bearing Surface Usage for Primary Hip Replacement in Extremely Young Patients,” Eastern Orthopaedic Association Annual Meeting (Williamsburg, VA) [*Poster Presentation*]
- 10/19/2011 “Rapid Weight Loss after Gastric Bypass Surgery May Increase Need for Total Joint Arthroplasty,” Eastern Orthopaedic Association Annual Meeting (Williamsburg, VA) [*Podium Presentation*]
- 10/19/2011 “Re-learning Curve of Conventional Total Knee Arthroplasties following 30 Consecutive Computer-Assisted Total Knee Arthroplasties,” Eastern Orthopaedic Association Annual Meeting (Williamsburg, VA) [*Podium Presentation*]
- 10/19/2011 “Closure Time Analysis of Traditional Suture Methods versus Barbed Suture in Total Joint Arthroplasty,” Eastern Orthopaedic Association Annual Meeting (Williamsburg, VA) [*Podium Presentation*]
- 10/19/2011 “Length of Stay after Total Joint Replacement: Does Day of Surgery Matter?,” Eastern Orthopaedic Association Annual Meeting (Williamsburg, VA) [*Podium Presentation*]
- 1/24/2012 “Re-Learning Curve of Conventional Total Knee Arthroplasty Following Use of Computer-Assisted Navigation: A Single-Surgeon Report,” New England Baptist Hospital (Boston, MA) [*Grand Rounds*]

- 1/24/2012 “Rapid Weight Loss after Bariatric Surgery May Increase Risk for Total Joint Arthroplasty,” New England Baptist Hospital (Boston, MA) [*Grand Rounds*]
- 3/24/2012 “New Techniques and Technologies in Joint Replacement,” Tufts Medical Center, Department of Medicine (Boston, MA) [*Grand Rounds*]
- 5/4/2012 “Acute Kidney Injury after Antibiotic Spacer Implantation for an Infected Joint Prosthesis,” CTSI Graduate Program Symposium, Tufts Medical Center (Boston, MA) [*Invited Lecture*]
- 11/17/2012 “Barbed versus Traditional Sutures: Closure Time, Cost, and Wound Related Outcomes in Total Joint Arthroplasty,” NEOS/Massachusetts Medical Society Fall Meeting (Waltham, MA) [*Podium Presentation*]
- 12/10/2012 “Adult Hip and Back,” Clinical Anatomy Class, Tufts University School of Medicine (Boston, MA) [*Invited Lecture*]
- 3/3/2013 “Surgical Site Infection,” Patient Safety Awareness Week, Tufts Medical Center (Boston, MA) [*Invited Lecture*]
- 3/6/2013 “Patient Discharge: Predictors for Placement and Outcomes after Total Joint Arthroplasty,” Lowell General Hospital (Lowell, MA) [*Grand Rounds*]
- 5/7/2013 “New Techniques and Technologies in Joint Replacement,” General Medical Associates, Tufts Medical Center (Boston, MA) [*Grand Rounds*]
- 10/30/2013 “Recovery of Range of Motion, Pain and Function Similar in Revision and Primary Single Radius Knees,” Eastern Orthopaedic Association Annual Meeting (Miami, FL) [*Podium Presentation*]
- 6/6/2014 “Direct Anterior Approach Total Hip Arthroplasty Requires Less Supplemental Screw Fixation than Posterior Approach,” Thibodeau Lecture, Tufts University School of Medicine (Boston, MA) [*Invited Lecture*]
- 11/19/2014 “(Most) All That Glitters is Not Gold: Myths and Truths of TJA,” University of Massachusetts Medical School (Worcester, MA) [*Grand Rounds*]
- 5/15/2015 “Triple Prophylaxis for the Prevention of Surgical Site Infections (SSI) in Total Joint Arthroplasty (TJA),” Massachusetts Orthopaedic Association Annual Meeting (Waltham, MA) [*Podium Presentation*]
- 9/14/2016 “Total Joint Arthroplasty in Patients Taking Methadone or Suboxone Preoperatively for Prior Heroin Addiction: A Prospective Matched Cohort Study,” Primary Care Addiction Specialists, Boston Medical Center (Boston, MA) [*Invited Lecture*]
- 6/21/2017 “(Most) All That Glitters is Not Gold: Myths and Truths of TJA,” Rheumatology Grand Rounds, Boston Medical Center (Boston, MA) [*Grand Rounds*]
- 9/12/2018 “Modifying Risk in Total Joint Arthroplasty at an Urban Rescue Hospital: The Boston Medical Center Experience,” Orthopaedic Surgery Grand Rounds, Tufts Medical Center (Boston, MA) [*Grand Rounds*]
- 10/11/2018 “Modifying Risk in Total Joint Arthroplasty at an Urban Rescue Hospital: The Boston Medical Center Experience,” Orthopaedic Surgery Grand Rounds, Lahey Hospital (Burlington, MA) [*Grand Rounds*]
- 2/6/2019 “Modifying Risk in Total Joint Arthroplasty at an Urban Rescue Hospital: The Boston Medical Center Experience,” Orthopaedic Surgery Grand Rounds, Harvard Medical School (Boston, MA) [*Grand Rounds*]
- 11/6/2019 “Modifying Risk in Total Joint Arthroplasty: A focus on the challenging patient,” New England Baptist Hospital (Boston, MA) [*Grand Rounds*]

- 11/22-23/2019 Survivorship of Megaprosthesis by Location in Aseptic and Septic Indications: A Retrospective Multicenter Study With Minimal 2-year Follow-up,” New England Orthopedic Society Fall Meeting, Massachusetts Medical Society [*Podium Presentation*]
- 6/19/2020 “Modifying Risk in Total Joint Arthroplasty: A Focus on Obesity,” Thibodeau Lecture, Tufts University School of Medicine (Boston, MA) [*Invited Lecture*]
- 2/1/2021 “Knee Motion Following TKA,” Medical Student Research Symposium, Boston University School of Medicine (Boston, MA) [*Poster Presentation*]
- 2/11/2021 “Complex aseptic acetabular and femoral revisions,” Tufts University School of Medicine (Boston, MA) [*Grand Rounds*]
- 2/12/2021 “The Profit Margin of Shoulder and Elbow Arthroplasty: As Compared to Lower Extremity Arthroplasty,” New England Shoulder & Elbow Society (Virtual) [*Podium Presentation*]
- 4/16/2021 “Modifying Risk in TJA,” 35th Annual Combined Orthopaedic Spring Symposium, Hawaiian Orthopaedic Association (Virtual) [*Podium Presentation*]
- 4/17/2021 “Value-Based Health Care in Total Joint Arthroplasty: The New England Baptist Experience,” 35th Annual Combined Orthopaedic Spring Symposium, Hawaiian Orthopaedic Association (Virtual) [*Podium Presentation*]
- 6/18/2021 “Value-Based Health Care in Total Joint Arthroplasty: The New England Baptist Hospital Experience,” Thibodeau Lecture, Tufts University School of Medicine (Boston, MA) [*Invited Lecture*]
- 7/14/2021 “Reducing Narcotic Usage with 0.5% Bupivacaine Periarticular Injections in Total Knee Arthroplasty,” 17th Annual Research Symposium, New England Baptist Hospital (Boston, MA) [*Podium Presentation*]
- 7/14/2021 “Is there a safe number of opioids to prescribe to opioid-naïve total joint arthroplasty patients?” 17th Annual Research Symposium, New England Baptist Hospital (Boston, MA) [*Podium Presentation*]
- 7/14/2021 “Energy Expenditure of Femoral Broaching in Direct Anterior Total Hip Replacements—Comparison Between Manual and Automated Techniques,” 17th Annual Research Symposium, New England Baptist Hospital (Boston, MA) [*Podium Presentation*]
- 7/14/2021 “Variation in the Profit Margin for Different Types of Total Joint Arthroplasty,” 17th Annual Research Symposium, New England Baptist Hospital (Boston, MA) [*Podium Presentation*]
- 7/14/2021 “Prior Authorizations in Total Joint Arthroplasty: Use of Artificial Intelligence Software to Reduce Write-Offs,” 17th Annual Research Symposium, New England Baptist Hospital (Boston, MA) [*Podium Presentation*]
- 7/14/2021 “Chronic Opioid Use Among Patients Undergoing Multiple Total Joint Arthroplasty Procedures,” 17th Annual Research Symposium, New England Baptist Hospital (Boston, MA) [*Poster Presentation*]
- 7/14/2021 “Anterior Mechanical Navigation Device is Accurate for Total Hip Arthroplasty Acetabular Inclination and Anteversion,” 17th Annual Research Symposium, New England Baptist Hospital (Boston, MA) [*Poster Presentation*]
- 7/14/2021 “Coinfection of HIV and Hepatitis C Increases Complication Rates After Total Joint Arthroplasty,” 17th Annual Research Symposium, New England Baptist Hospital (Boston, MA) [*Poster Presentation*]

- 7/14/2021 “Reference Pricing Reduces Total Knee Implant Costs,” 17th Annual Research Symposium, New England Baptist Hospital (Boston, MA) [*Poster Presentation*]
- 7/14/2021 “Reducing the Price of Total Hip Arthroplasty Implant Costs through Reference Pricing: an Economic Evaluation,” 17th Annual Research Symposium, New England Baptist Hospital (Boston, MA) [*Poster Presentation*]
- 7/14/2021 “Limb Lengthening after Primary Total Knee Arthroplasty: Customized Patient Specific Instrumentation Does Not Affect Expected Limb Lengthening,” 17th Annual Research Symposium, New England Baptist Hospital (Boston, MA) [*Poster Presentation*]
- 7/14/2021 “Differences in Hospital Costs among Octogenarians and Nonagenarians Following Primary Total Joint Arthroplasty,” 17th Annual Research Symposium, New England Baptist Hospital (Boston, MA) [*Poster Presentation*]
- 7/14/2021 “Reopening of Elective Total Joint Replacement Surgery in a High-Volume Single-Specialty Hospital Within a COVID-19 Epicenter,” 17th Annual Research Symposium, New England Baptist Hospital (Boston, MA) [*Poster Presentation*]
- 7/14/2021 “The Cost of Hip and Knee Revision Arthroplasty by Diagnosis-Related Groups: Comparing Time-Driven Activity-Based Costing and Traditional Accounting,” 17th Annual Research Symposium, New England Baptist Hospital (Boston, MA) [*Poster Presentation*]
- 7/14/2021 “Financial Burden of Revision Hip and Knee Arthroplasty at an Orthopaedic Specialty Hospital: Higher Costs and Unequal Reimbursements,” 17th Annual Research Symposium, New England Baptist Hospital (Boston, MA) [*Poster Presentation*]
- 7/14/2021 “Episode of Care Costs for Revision Total Joint Arthroplasty by Decadal Age Groups,” 17th Annual Research Symposium, New England Baptist Hospital (Boston, MA) [*Poster Presentation*]
- 7/14/2021 “Defining the Natural History of Knee Motion Following Total Knee Arthroplasty,” 17th Annual Research Symposium, New England Baptist Hospital (Boston, MA) [*Poster Presentation*]
- 7/14/2021 “Arthroplasty Costs Excluding Implants: Anatomic Total Shoulder vs Reverse Shoulder Arthroplasty,” 17th Annual Research Symposium, New England Baptist Hospital (Boston, MA) [*Poster Presentation*]
- 7/14/2021 “Total Joint Arthroplasty in Homeless Patients at an Urban Safety-Net Hospital,” 17th Annual Research Symposium, New England Baptist Hospital (Boston, MA) [*Poster Presentation*]
- 10/21/2021 “Arthroplasty Costs Excluding Implants: Anatomic Total Shoulder vs Reverse Shoulder Arthroplasty,” Eastern Orthopaedic Association Annual Meeting (Nashville, TN) []
- 7/19/2022 “Radiographic Outcomes using a Diaphyseal Fitting Femoral Stem for Revision Total Hip Arthroplasty,” Research Symposium, New England Baptist Hospital (Boston, MA) [*Podium Presentation*]
- 10/19/2022 “Increased Risk of Corneal Abrasions during Total Hip Arthroplasty Compared to Total Knee Arthroplasty,” Massachusetts Orthopaedic Society Annual Meeting (Needham, MA) [*Podium Presentation*]

- 10/19/2022 “National Incidence of Postoperative Sciatic Nerve Palsy in Total Hip Arthroplasty,” Massachusetts Orthopaedic Society Annual Meeting (Needham, MA) [*Podium Presentation*]
- 10/19/2022 “Time-Driven Activity-Based Costs for Manipulation under Anesthesia after Total Knee Arthroplasty,” Massachusetts Orthopaedic Society Annual Meeting (Needham, MA) [*Podium Presentation*]
- 10/29/2022 “Radiographic Outcomes using a Diaphyseal Fitting Femoral Stem for Revision Total Hip Arthroplasty,” Eastern Orthopaedic Association Annual Meeting. [*Podium Presentation*]
- 2/6/2023 “Modular Knee Arthrodesis as Definitive Treatment for Periprosthetic Infection, Bone Loss, and Failure of the Extensor Mechanism after Total Knee Arthroplasty” Boston University School of Medicine Research Day (Boston, MA) [*Panel Member*]
- 5/19/2023 “Povidone-Iodine Irrigation versus Saline Irrigation on Reduction of Surgical Site Infections in Patients Undergoing Total Knee and Total Hip Arthroplasty: A Large Retrospective, Propensity-Matched Cohort Study” Massachusetts Orthopaedic Society Annual Meeting (Needham, MA) [*Podium Presentation*]
- 5/2-4/2023 “Comparing Surgical Site Infection Rate in Patients Undergoing Total Knee and Total Hip Arthroplasty After Povidone-Iodine or Saline Irrigation: A Large Retrospective, Propensity-Matched Cohort Study” New England Orthopedic Society (Brewster, MA) [*Podium Presentation*]
- 6/16/2023 “Modular Knee Arthrodesis,” Podium presentation at Tibby Days. [*Invited Lecture*]
- 6/16/2023 “Treatment of Periprosthetic Infection after Total Knee Arthroplasty using an Ultrastatic Spacer,” Tibby Days. [*Invited Lecture*]
- 7/19/2023 “Similar Incidence of Sciatic Nerve Palsy in Anterior and Posterior Total Hip Arthroplasty” 2023 New England Baptist Hospital Research Symposium, (Boston, MA) [*Panel Member*]
- 7/19/2023 “Investigation of State-level Trends in Postoperative Opioid Prescriptions in TJA patients impacted by Medical and Recreational Marijuana Laws” 2023 New England Baptist Hospital Research Symposium, (Boston, MA) [*Panel Member*]
- 7/19/2023 “Supplemental Testosterone Increases Risk of Reoperation after Total Shoulder Arthroplasty,” 2023 New England Baptist Hospital Research Symposium, (Boston, MA) [*Panel Member*]
- 7/19/2023 “Antibiotic Prophylaxis Prior to Dental Procedures for Total Hip Arthroplasty and Total Knee Arthroplasty Patients,” 2023 New England Baptist Hospital Research Symposium, (Boston, MA) [*Panel Member*]
- 9/29/2023 “Hip Fracture- Fix or Replace?,” Miami Future Leaders Sr. Resident Course. (Miami, FL) [*Podium Presentation*]
- 9/29/2023 “Case Based Review and Discussion: MCL injury, Extensor Mechanism Disruption,” Miami Future Leaders Sr. Resident Course. (Miami, FL) [*Podium Presentation*].
- 9/30/2023 “Revision Knee Case-Based Discussion” DePuy Synthes Knee Case-Based Discussion [Oral Presentation] DePuy Synthes Knee Restoration Course (Miami, FL).

- 11/15/2023 “Automated Impaction May Improve Femoral Component Canal Fit in Total Hip Arthroplasty” 2023 New England Orthopaedic Society Fall Meeting. [*Poster Presentation*]
- 11/15/2023 “The Fate of the DAIR, Outcomes of DAIR After One Year: a large database study” 2023 New England Orthopaedic Society Fall Meeting [*Poster Presentation*]
- 11/17/2023 “Testosterone Increases Risk of Reoperation after Total Shoulder Arthroplasty,” New England Orthopedic Society Fall Meeting. [*Poster Presentation*]
- 11/17/2023 “Risk Factors of Venous Thromboembolism and Bleeding after Fixation of Femoral Neck Fractures,” New England Orthopedic Society Fall Meeting. [*Poster Presentation*]
- 11/17/2023 “Different Trends in Antibiotic Cement Use in Total Knee Arthroplasty with Different Guidelines,” New England Orthopedic Society Fall Meeting. [*Poster Presentation*]
- 11/17/2023 “Automated Impaction may Improve Femoral Component Canal Fit in Total Hip Arthroplasty,” New England Orthopedic Society Fall Meeting. [*Poster Presentation*]
- National:**
- 12/14/2008 “Comparison of Tunnel Widening after ACL Reconstruction using Different Graft Fixation Methods,” Society of Military Orthopaedic Surgeons Annual Meeting (Vail, CO) [*Podium Presentation*]
- 10/23/2009 “Intricate Hip Spine Unit: Current Surgical Treatment Options for Patients with Hip, Groin and Back Pain,” American Academy of Physical Medicine and Rehabilitation (Austin, TX) [*Podium Presentation*]
- 4/17/2010 “Routine Shortening after THA,” 25th Annual Spring Symposium, Hawaiian Orthopaedic Association (Waikiki, HI) [*Podium Presentation*]
- 11/3/2012 “Comparison of Survival Rates of Failed Primary Standard Total Knee Arthroplasty,” American Association of Hip and Knee Surgeons Annual Meeting (Dallas, TX) [*Podium Presentation*]
- 11/3/2012 “Components to “Premium” Knee Implants,” American Association of Hip and Knee Surgeons Annual Meeting (Dallas, TX) [*Podium Presentation*]
- 11/4/2012 “Two Stage Arthroplasty for Prosthetic Joint Infection – A Systematic Review of Acute Kidney Injury and Clinical Decision Analysis,” American Society of Nephrology Kidney Week (San Diego, CA) [*Podium Presentation*]
- 3/20/2013 “Total Joint Replacement Surgery: Does Day of Surgery Matter?,” American Academy of Orthopaedic Surgeons Annual Meeting (Chicago, IL) [*Podium Presentation*]
- 3/21/2013 “Comprehensive Look at Blood Transfusion Utilization in Total Joint Arthroplasty at a Single Academic Medical Center,” American Academy of Orthopaedic Surgeons Annual Meeting (Chicago, IL) [*Podium Presentation*]
- 11/5/2013 “Comparison of Kidney Injury between Two Stage Revision Arthroplasty with Antibiotic Loaded Spacers and Other Revision Orthopaedic Procedures,” American Society of Nephrology Kidney Week (Atlanta, GA) [*Podium Presentation*]

- 7/10/2014 “Autograft vs Allograft ACL Reconstructions: A Prospective, Randomized Clinical Study with Minimum 10 Year Follow-up,” American Orthopaedic Society for Sports Medicine Annual Meeting (Colorado Springs, CO) [*Poster Presentation*]
- 11/5/2015 “Efficacy of Intraarticular Corticosteroid Injections in Patients with Symptomatic Knee Osteoarthritis,” American Association of Hip and Knee Surgeons Annual Meeting (Dallas, TX) [*Poster Presentation*]
- 11/5/2015 “Here Today, Gone Tomorrow: An Examination of the Survivorship of Orthopaedic Devices Advertised in a Major Medical Journal,” American Association of Hip and Knee Surgeons Annual Meeting (Dallas, TX) [*Poster Presentation*]
- 11/8/2015 “National Trends in Bearing Surface Usage of Primary Total Hip Arthroplasty in Extremely Young Patients from 2009-2012,” American Association of Hip and Knee Surgeons Annual Meeting (Dallas, TX) [*Podium Presentation*]
- 3/1/2016 “Triple Prophylaxis for Prevention of Surgical Site Infections in Total Joint Arthroplasty Decreases Deep Infection,” American Academy of Orthopaedic Surgeons Annual Meeting (Orlando, FL) [*Poster Presentation*]
- 3/4/2016 “Kidney Injury after Antibiotic Cement Spacer Implantation for Prosthetic Joint Infection,” American Academy of Orthopaedic Surgeons Annual Meeting (Orlando, FL) [*Podium Presentation*]
- 11/10/2016 “Navigated Total Knee Arthroplasty has Lower Rates of Perioperative Complications Compared to Conventional Total Knee Arthroplasty,” American Association of Hip and Knee Surgeons Annual Meeting (Dallas, TX) [*Poster Presentation*]
- 4/22/2017 “Primary THA-Biomechanics, Implants and Results,” Anchorage Orthopedic Society (Girdwood, AK) [*Podium Presentation*]
- 4/22/2017 “Revision Solutions in THA-Acetabular Solutions,” Anchorage Orthopedic Society (Girdwood, AK) [*Podium Presentation*]
- 4/22/2017 “Revision TKA: Fixation and Constraint: Instability, Stiffness, Fracture, Infection,” Anchorage Orthopedic Society (Girdwood, AK) [*Podium Presentation*]
- 5/20-24/2017 “Should I stay or should I show: Factors predicting patient “no-show” at orthopaedic clinics,” American Orthopaedic Association Annual Leadership Meeting (Charlotte, NC) [*Poster Presentation*]
- 5/20-24/2017 “Off the Market: What percentage of devices advertised in a top journal are still available a decade later?,” American Orthopaedic Association Annual Leadership Meeting (Charlotte, NC) [*Poster Presentation*]
- 8/4-5/2017 “Musculoskeletal Infections in Persons who Inject Drugs,” Musculoskeletal Infection Society 27th Annual Scientific Meeting (Boston, MA) [*Poster Presentation*]
- 3/6-10/2018 “Outcomes of Tertiary Care Joint Arthroplasty Perioperative Surgical Home Initiative,” American Academy of Orthopaedic Surgeons Annual Meeting (New Orleans, LA) [*Poster Presentation*]
- 3/6-10/2018 “An Update on the Utility of the 22-modifier Across Orthopaedic Subspecialties in a Tertiary Care Setting,” American Academy of Orthopaedic Surgeons Annual Meeting (New Orleans, LA) [*Podium Presentation*]

- 3/6-10/2018 “What Factors Influence Whether Patients Will Keep Their Scheduled Arthroplasty Appointments,” American Academy of Orthopaedic Surgeons Annual Meeting (New Orleans, LA) [*Podium Presentation*]
- 3/6-10/2018 “Laboratory Tests for Diagnosis Can Also Predict Outcomes of Two-Stage Exchange in Chronic Periprosthetic Joint Infection,” American Academy of Orthopaedic Surgeons Annual Meeting (New Orleans, LA) [*Podium Presentation*]
- 6/27-30/2018 “Factors Determining Home versus Rehab Discharge Following Primary Total Joint Arthroplasty for Patients Who Live Alone,” American Orthopaedic Association Annual Meeting (Boston, MA) [*Poster Presentation*]
- 6/27-30/2018 “Outcomes of Tertiary Care Joint Arthroplasty Perioperative Surgical Home Initiative,” American Orthopaedic Association Annual Meeting (Boston, MA) [*Poster Presentation*]
- 6/27-30/2018 “An Update on the Utility of the 22-modifier Across Orthopaedic Subspecialties,” American Orthopaedic Association Annual Meeting (Boston, MA) [*Poster Presentation*]
- 6/27-30/2018 “Modern TKA Systems Are Prone to Tibial Oversizing in African American Females,” American Orthopaedic Association Annual Meeting (Boston, MA) [*Poster Presentation*]
- 6/27-30/2018 “The Impact of Inpatient Orthopedic Surgery on Opioid Use and Dependence in Postoperative Patients,” American Orthopaedic Association Annual Meeting (Boston, MA) [*Poster Presentation*]
- 6/27-30/2018 “Performing Total Joint Arthroplasties on Drug-Abusing Patients: National Trends and Readmission Risks,” American Orthopaedic Association Annual Meeting (Boston, MA) [*Poster Presentation*]
- 9/21-23/2018 “Insurance Status Affects Complication Rates after Elective Total Hip Arthroplasty,” High Value Practice Academic Alliance National Conference (Baltimore, MD) [*Poster Presentation*]
- 11/1-3/2018 “Total Joint Arthroplasty Reduces Chronic Opioid Use,” American Association of Hip and Knee Surgeons Annual Meeting (Dallas, TX) [*Poster Presentation*]
- 2/4-5/2019 “Antiviral Treatment History is More Important than Fibroscan Data in Predicting Complications After Arthroplasty Among Patients with HCV,” Orthopaedic Research Society Annual Meeting (Austin, TX) [*Poster Presentation*]
- 8/2-3/2019 “Comparing the Treatment of Knee Periprosthetic Joint Infections between Substance Use Disorder Patients and Non-Users in a Nationally-Representative Sample 2010-2014,” Musculoskeletal Infection Society Annual Meeting (New York, NY) [*Podium Presentation*]
- 11/8-10/2019 “Microbiome of the Osteoarthritic Hip and Knee Joint: A Prospective Multicenter Investigation,” American Association of Hip and Knee Surgeons Annual Meeting (Dallas, TX) [*Poster Presentation*]
- 11/8-10/2019 “Reinfection or Persistence of PJI? Next Generation Sequencing Reveals New Findings,” American Association of Hip and Knee Surgeons Annual Meeting (Dallas, TX) [*Poster Presentation*]
- 11/8-10/2019 “Total Joint Arthroplasty Among Homeless Patients,” American Association of Hip and Knee Surgeons Annual Meeting (Dallas, TX) [*Poster Presentation*]

- 2/8-11/2020 “Survivorship Of Megaprosthesis By Location In Aseptic And Septic Indications: A Retrospective Multicenter Study With Minimal 2-year Follow-up,” Orthopaedic Research Society Annual Meeting (Phoenix, AZ) [*Poster Presentation*]
- 2/8-11/2020 “Algorithm Based Automatic Templating And Patient Race Affect The Accuracy Of Preoperative Primary Total Knee Templates Compared To Manual Digital Templating,” Orthopaedic Research Society Annual Meeting (Phoenix, AZ) [*Poster Presentation*]
- 3/24-28/2020 “The Obesity Paradox: Body Mass Index Complication Rates Vary by Sex and Age among Primary Total Hip Arthroplasty Patients,” American Academy of Orthopaedic Surgeons Annual Meeting (Orlando, FL) [*Poster Presentation*]
- 6/9-13/2020 “Early Discharge Following Total Hip Arthroplasty (THA) at an Urban Tertiary Care Safety Net Hospital with a Minimum Two-Year Follow up,” American Orthopaedic Association Annual Meeting (Baltimore, MD) [*E-Poster Presentation*]
- 6/9-13/2020 “The Obesity Paradox: Body Mass Index Complication Rates Vary by Sex and Age among Primary Total Hip Arthroplasty Patients,” American Orthopaedic Association Annual Meeting (Baltimore, MD) [*E-Poster Presentation*]
- 6/9-13/2020 “Urine Toxic Screening and Illicit Use of Controlled Substances in Total Joint Arthroplasty Patients,” American Orthopaedic Association Annual Meeting (Baltimore, MD) [*E-Poster Presentation*]
- 6/9-13/2020 “Hospital burden in obtaining prior authorizations for elective total knee arthroplasty,” American Orthopaedic Association Annual Meeting (Baltimore, MD) [*E-Poster Presentation*]
- 11/5-8/2020 “‘Surprise’ Bills for Patients Undergoing Revision Total Joint Arthroplasty in the United States,” American Association of Hip and Knee Surgeons Annual Meeting (Dallas, TX) [*E-Poster Presentation*]
- 11/5-8/2020 “Fluoroscopic vs. Ultrasound Guided Intraarticular Hip Injections and Risk of Infection after THA,” American Association of Hip and Knee Surgeons Annual Meeting (Dallas, TX) [*E-Poster Presentation*]
- 11/5-8/2020 “Characterizing the Incidence of Avascular Necrosis After Corticosteroid Injections of the Hip,” American Association of Hip and Knee Surgeons Annual Meeting (Dallas, TX) [*E-Poster Presentation*]
- 11/5-8/2020 “Differences in Incidence of Osteonecrosis After Hip Injection Between Corticosteroid Types and Doses,” American Association of Hip and Knee Surgeons Annual Meeting (Dallas, TX) [*E-Poster Presentation*]
- 11/5-8/2020 “Are Corticosteroid Injections of the Hip Associated with Increased Risk of Avascular Necrosis?” American Association of Hip and Knee Surgeons Annual Meeting (Dallas, TX) [*E-Poster Presentation*]
- 11/7/2020 “Out-of-Network Facility Charges for Patients Undergoing Outpatient Total Joint Arthroplasty,” American Association of Hip and Knee Surgeons Annual Meeting (Dallas, TX) [*Podium Presentation*]
- 12/15-18/2020 “The Effect of Preoperative Narcotic Reporting on Pain Management After Total Joint Arthroplasty,” Society of Military Orthopaedic Surgeons Annual Meeting (Virtual) []

- 12/15-18/2020 “Variability of Patient Report Outcome Measures Based on Hospital vs. Office Acquisition in TJR” Society of Military Orthopaedic Surgeons Annual Meeting (Virtual) [*]]*
- 2/12-16/2021 “Characterizing the Incidence of Avascular Necrosis After Corticosteroid Injections of the Hip,” Orthopaedic Research Society Annual Meeting (Virtual) [*Poster Presentation]*
- 2/12-16/2021 “Differences In Incidence of Osteonecrosis After Intraarticular Hip Injection Between Corticosteroid Type and Dose,” Orthopaedic Research Society Annual Meeting (Virtual) [*Poster Presentation]*
- 2/12-16/2021 “Are Corticosteroid Injections Of The Hip Associated With Increased Risk Of Osteonecrosis?” Orthopaedic Research Society Annual Meeting (Virtual) [*Poster Presentation]*
- 2/12-16/2021 “Are Intrauterine Contraceptive Devices A Cause Of False-positive Musculoskeletal Hip Joint Pain?” Orthopaedic Research Society Annual Meeting (Virtual) [*Poster Presentation]*
- 2/14/2021 “Image-guided Intraarticular Hip Injections And Risk of Infection After Hip Arthroscopy,” Orthopaedic Research Society Annual Meeting (Virtual) [*Podium Presentation]*
- 4/8/2021 “Painful THA, a focus on modularity,” One Case a Day (Virtual) [*Podium Presentation]*
- 7/7-11/2021 “Image-guided Intraarticular Hip Injections and Risk of Infection After Hip Arthroscopy,” AOSSM-AANA Combined 2021 Annual Meeting (Nashville, TN) [*Poster Presentation]*
- 8/31/2021 “Is Outpatient Total Joint Arthroplasty Associated with Increased Risk of New Persistent Opioid Use?” AAOS Annual Meeting (San Diego, CA) [*Podium Presentation]*
- 8/31/2021 “Surprise Bills for Patients Undergoing Revision Total Joint Arthroplasty in the United States,” AAOS Annual Meeting (San Diego, CA) [*Podium Presentation]*
- 8/31/2021 “Opioid Prescriptions after Orthopaedic Surgery are Associated with Opioid Initiation by Opioid-Naive Family Members,” AAOS Annual Meeting (San Diego, CA) [*Poster Presentation]*
- 8/31/2021 “High Rates of Surprise Bills for Orthopaedic Patients Seeking Emergency Hip Fracture Care,” AAOS Annual Meeting (San Diego, CA) [*Poster Presentation]*
- 9/2/2021 “Characterizing the Incidence of Avascular Necrosis After Corticosteroid Injections of the Hip” AAOS Annual Meeting (San Diego, CA) [*Podium Presentation]*
- 9/2/2021 “Prior Authorizations in Total Joint Arthroplasty: Reducing Costs using Artificial Intelligence Software,” AAOS Annual Meeting (San Diego, CA) [*Poster Presentation]*
- 10/21-23/2021 “The Profit Margin Differences Among Total Joint Arthroplasty Procedures,” AMA Research Challenge 2021 (Virtual) [*Poster Presentation]*
- 10/21-23/2021 “Prior Authorizations in Total Joint Arthroplasty: Reducing Costs using Artificial Intelligence Software,” American Association of Orthopedic Executives Annual Conference (Dallas, TX) [*Podium Presentation]*

- 11/14/2021 “Fluoroscopic versus Ultrasound Guided Intraarticular Hip Injections and Risk of Infection After THA,” American Association of Hip and Knee Surgeons Annual Meeting [*Poster Presentation*] (Dallas, TX)
- 11/14/2021 “The Growth of Outpatient Joint Arthroplasty and The Financial Impact on Hospitals,” American Association of Hip and Knee Surgeons Annual Meeting [*Poster Presentation*] (Dallas, TX)
- 3/22-26/2022 “Costs of Nonsurgical Procedures for Knee Osteoarthritis in the Year Prior to Primary Total Knee Arthroplasty” (Chicago, IL) [*E-Poster Presentation*]
- 3/22-26/2022 “New Persistent Opioid Use among Opioid-Naïve Patients following Total Joint Arthroplasty: Is there a Safe Quantity of Perioperative Opioids to Prescribe?” American Academy of Orthopaedic Surgeons Annual Meeting (Chicago, IL) [*Poster Presentation*]
- 3/22-26/2022 “Reduced Narcotic Use After Total Joint Arthroplasty in At-Risk Patients,” American Academy of Orthopaedic Surgeons Annual Meeting (Chicago, IL) [*Poster Presentation*]
- 3/22-26/2022 “Sham Incision Prior to Total Knee Arthroplasty for Patients with Previous Knee Incisions,” American Academy of Orthopaedic Surgeons Annual Meeting (Chicago, IL) [*Poster Presentation*]
- 3/22-26/2022 “Image-guided Intraarticular Corticosteroid Injections and Risk of Infection After Total Hip Arthroplasty,” (Chicago, IL) [*Poster Presentation*]
- 3/22-26/2022 “Financial Burden of Total Knee Arthroplasty Periprosthetic Joint Infection Treatment: DAIR, One-stage and Two-stage Exchange,” American Academy of Orthopaedic Surgeons Annual Meeting (Chicago, IL) [*Poster Presentation*]
- 9/21/2022 “Technology Is The Answer For Outpatient Joint Replacement: Giving Your Patient A Guarantee” Orthopedic Summit Evolving Techniques (Boston, MA) [*Podium Presentation*]
- 9/21/2022 “Clinical Case Presentations With Questions & Answers: Understanding How To Make Concepts Into Reality” Orthopedic Summit Evolving Techniques (Boston, MA) [*Panel Member*]
- 9/21/2022 “Evolving Technique Video Update: The Osteotomized Knee To A Total Knee Replacement” Orthopedic Summit Evolving Techniques (Boston, MA) [*Podium Presentation*]
- 9/21/2022 “Clinical Case Presentations With Questions & Answers: Stem Choices, Bone Void Options, Implant Choices, Surgical Technique” Orthopedic Summit Evolving Techniques (Boston, MA) [*Panel Member*]
- 9/21/2022 “THE PATIENT WITH A TOTAL HIP & TOTAL KNEE ARTHROPLASTY: THE VERY COMPLEX PERIPROSTHETIC FRACTURES” Orthopedic Summit Evolving Techniques (Boston, MA) [*Section Moderator*]
- 9/21/2022 “Case Presentations With Questions & Answers: Who’s The Last Doctor Standing & Convincing The Audience They Are Correct” Orthopedic Summit Evolving Techniques (Boston, MA) [*Panel Member*]
- 9/21/2022 “The OA Patient Journey– What’s Now & What’s Next? Lunch & Learn” Orthopedic Summit Evolving Techniques (Boston, MA) [*Panel Member*]
- 12/8/2022 “Similar Incidence of Postoperative Sciatic Nerve Palsy in Anterior and Posterior Total Hip Arthroplasty,” Current Concepts in Joint Replacement. [*Poster Presentation*]

- 12/8/2022 “Modular Knee Arthrodesis as Definitive Treatment for Periprosthetic Infection, Bone Loss, and Failure of the Extensor Mechanism after Total Knee Arthroplasty,” Current Concepts in Joint Replacement. [*Poster Presentation*]
- 3/7-11/2023 “Two-year Burden of Antibiotic Use for Prosthetic Joint Infection following Total Knee Arthroplasty,” American Academy of Orthopaedic Surgeons Annual Meeting (Las Vegas, NV) [*Poster Presentation*]
- 3/7-11/2023 “The Cost of Stiffness After Total Knee Arthroplasty,” American Academy of Orthopaedic Surgeons Annual Meeting (Las Vegas, NV) [*Poster Presentation*]
- 3/7-11/2023 “Single Prophylactic Antibiotic Dose for Total Knee Arthroplasty resulting in no Increased Risks in Prosthetic Joint Infection,” American Academy of Orthopaedic Surgeons Annual Meeting (Las Vegas, NV) [*Podium Presentation*]
- 3/7-11/2023 “Mechanical Failure of a Modular Knee Arthrodesis,” American Academy of Orthopaedic Surgeons Annual Meeting. [*Video Presentation*]
- 4/23/2023 “Similar Incidence of Postoperative Sciatic Nerve Palsy in Direct Anterior and Posterior Approach Total Hip Arthroplasty,” Medical Student Orthopedic Society Symposium. [*ePoster Presentation*]
- 9/22-23/2023 “Technology Is The Answer For Outpatient Joint Replacement: Giving Your Patient A Guarantee” Orthopedic Summit Evolving Techniques (Boston, MA) [*Podium Presentation*]
- 9/22-23/2023 “Antibiotic Prophylaxis Prior to Dental Procedures for Total Hip Arthroplasty and Total Knee Arthroplasty Patients,” Orthopedic Summit Evolving Techniques (Boston, MA) [*Podium Presentation*]
- 9/22-23/2023 “Different Trends in Antibiotic Cement Use in Total Knee Arthroplasty with Different Guidelines” Orthopedic Summit Evolving Techniques (Boston, MA) [*Podium Presentation*]
- 9/22-23/2023 “Increased Risk of Periprosthetic Joint Infection after Hip and Knee Arthroplasty with Supplemental Testosterone,” Orthopedic Summit Evolving Techniques (Boston, MA) [*Podium Presentation*]
- 9/22-23/2023 “Supplemental Testosterone Increases Risk of Reoperation after Total Shoulder Arthroplasty,” Orthopedic Summit Evolving Techniques (Boston, MA) [*Podium Presentation*]
- 9/22-23/2023 “Factors and Attributes of Adult Hip and Knee Fellowship Programs that are Important to Applicants and their Perspectives on Robotic-Assisted Arthroplasty Surgery” Orthopedic Summit Evolving Techniques (Boston, MA) [*Podium Presentation*]
- 9/22-23/2023 “Large Ceramic Head with a Thin Poly is the Safest, Most Effective Option for My Patients,” Orthopedic Summit Evolving Techniques (Boston, MA) [*Podium Presentation*]
- 9/22-23/2023 “Go, No Go: UKA vs. TKA,” Orthopedic Summit Evolving Techniques (Boston, MA) [*Podium Presentation*]
- 9/22-23/2023 “Comparing Surgical Site Infection rate in Patients Undergoing Total Knee and Total Hip Arthroplasty after Povidone-Iodine or Saline Irrigation: a large retrospective, propensity-matched cohort study” Orthopedic Summit Evolving Techniques (Boston, MA) [*Podium Presentation*]
- 10/11/2023 “Povidone-Iodine Irrigation versus Saline Irrigation for Reduction of Surgical Site Infections in Patients Undergoing Total Knee and Total Hip Arthroplasty: a large

- retrospective, propensity matched cohort study,” ID Week. (Boston, MA). [*Poster Presentation*]
- 11/2-3/2023 “Increased Risk of Infection after Hip and Knee Arthroplasty with Supplemental Testosterone,” American Association of Hip and Knee Surgeons Annual Meeting. (Dallas, TX) [*ePoster Presentation*]
- 11/2-3/2023 “Time-Driven Activity-Based Costs for Manipulation under Anesthesia after Total Knee Arthroplasty,” American Association of Hip and Knee Surgeons Annual Meeting. (Dallas, TX) [*ePoster Presentation*]
- 11/2-3/2023 “Antibiotic Prophylaxis Prior to Dental Procedures for Total Hip Arthroplasty and Total Knee Arthroplasty Patients,” American Association of Hip and Knee Surgeons Annual Meeting (Dallas, TX) [*Poster and ePoster Presentation*]
- 12/14/2023 “The Fate of the DAIR: Outcomes of DAIR at One Year: a large database study,” Current Concepts in Joint Replacement Annual Meeting. (Orlando, FL). [*Poster Presentation*].
- 12/14/2023 “Medical and Recreational Cannabis State Laws’ Impact on Trends in Postoperative Opioid Prescriptions in TJA patients,” Current Concepts in Joint Replacement Annual Meeting. (Orlando, FL). [*Poster Presentation*]
- 12/14/2023 “Different Trends in Antibiotic Cement Use in Total Knee Arthroplasty with Different Guidelines,” Current Concepts in Joint Replacement. [*Poster Presentation*]
- 2/12-15/2024 “Antibiotic Prophylaxis Prior to Dental Procedures for Total Hip and Knee Arthroplasty Patients,” American Academy of Orthopaedic Surgeons Annual Meeting (San Francisco, CA) [*Podium Presentation*]
- 2/12-15/2024 “Subtrochanteric Shortening Osteotomies in THA for Crowe Deformities” American Academy of Orthopaedic Surgeons Annual Meeting (San Francisco, CA) [*Podium Presentation*]
- 2/12-15/2024 “Factors and Attributes of Adult Hip and Knee Fellowship Programs that are Important to Applicants and their Perspectives on Robotic-Assisted Arthroplasty Surgery” American Academy of Orthopaedic Surgeons Annual Meeting (San Francisco, CA) [*Podium Presentation*]
- 2/12-15/2024 “Comparing Surgical Site Infection rate in Patients Undergoing Total Knee and Total Hip Arthroplasty after Povidone-Iodine or Saline Irrigation: a large retrospective, propensity-matched cohort study,” American Academy of Orthopaedic Surgeons Annual Meeting (San Francisco, CA) [*Podium Presentation*]

International:

- 4/11/2008 “Comparison of Tunnel Widening after ACL Reconstruction using Different Graft Fixation Methods,” Combined Meeting, 5th World Congress of Sports Trauma and Asia Pacific Orthopaedic Society for Sports Medicine (Hong Kong, China) [*Podium Presentation*]
- 4/27/2012 “Rapid Weight Loss after Bariatric Surgery May Increase Risk for Total Joint Arthroplasty,” International Congress for Joint Reconstruction Annual Meeting (San Diego, CA) [*Podium Presentation*]

- 11/13/2013 “Effect of Sagittal Sawing Parameters on Histopathology of Bone,” ASME 2013 International Mechanical Engineering Congress and Exposition (San Diego, CA) [*Podium Presentation*]
- 11/13/2013 “Effect of Oscillating Speed and Thrust Force on Cortical Bone Temperature during Sagittal Sawing,” ASME 2013 International Mechanical Engineering Congress and Exposition (San Diego, CA) [*Podium Presentation*]
- 11/13/2013 “Deflection of Cancellous Bone Screws under a Cantilever Bending Load,” ASME 2013 International Mechanical Engineering Congress and Exposition (San Diego, CA) [*Podium Presentation*]
- 3/17/2014 “Methodology in the Application of Human Factors Engineering to the Redesign of an Oscillating Bone Saw to Reduce High Risk Postures of the Wrist and to Enhance Performance,” Human Factors and Ergonomics Society 2014 International Symposium (Chicago, IL) [*Podium Presentation*]
- 4/16/2015 “Revision Total Knee Arthroplasty: Do Postoperative Outcomes Vary Depending On the Etiology of the Failed Arthroplasty?,” World Arthroplasty Conference (Paris, France) [*Podium Presentation*]
- 4/16/2015 “Use of Tibial Augments Provides Improved Functional Outcomes in a Revision Single Radius Knee Design,” World Arthroplasty Conference (Paris, France) [*Podium Presentation*]
- 10/5/2016 “Insurance Status Affects Postoperative Morbidity and Complication Rate after Knee Arthroplasty,” International Society for Technology in Arthroplasty Annual Meeting (Boston, MA) [*Poster Presentation*]
- 9/17/2020 “Characterizing Intraoperative Vasopressor Use in Total Knee Arthroplasty,” Annual Meeting European Orthopaedic Research Society (Virtual) [*Podium Presentation*]
- 4/3/2021 “Antibiotic Loaded Cement Spacers: Articulated, Static, Ultra-Static-technique and Outcomes,” Indonesian Orthopaedic Association (IOA) Annual Congress (Virtual) [*Podium Presentation*]
- 11/27/2021-
12/1/2021 “Are Corticosteroid Injections Of The Hip Associated With Increased Risk Of Osteonecrosis?” 13th Biennial Congress, International Society of Arthroscopy, Knee Surgery & Orthopaedic Sports Medicine (ISAKOS) (Cape Town, South Africa)
- 11/27/2021-
12/1/2021 “Characterizing The Incidence Of Avascular Necrosis After Corticosteroid Injections Of The Hip,” 13th Biennial Congress, ISAKOS (Cape Town, South Africa)
- 11/27/2021-
12/1/2021 “Differences In Incidence Of Osteonecrosis After Intraarticular Hip Injection Between Corticosteroid Type And Dose,” 13th Biennial Congress, ISAKOS (Cape Town, South Africa)
- 6/18-21/2023 “National Trends of Cemented and Uncemented Total Knee Arthroplasty: 2018-2020” 14th Biennial Congress, ISAKOS (Boston, MA)
- 6/18-21/2023 “Modular Knee Arthrodesis as Definitive Treatment for Periprosthetic Infection, Bone Loss, and Failure of the Extensor Mechanism after Total Knee Arthroplasty” 14th Biennial Congress, ISAKOS (Boston, MA) [*E-Poster Presentation*]

- 6/18-21/2023 “Treatment of Periprosthetic Infection after Total Knee Arthroplasty using an Ultrastatic Spacer” 14th Biennial Congress, ISAKOS (Boston, MA) [*E-Poster Presentation*]
- 6/18-21/2023 “Time-Driven Activity-Based Costs for Manipulation Under Anesthesia after Total Knee Arthroplasty” 14th Biennial Congress, ISAKOS (Boston, MA) [*E-Poster Presentation*]
- 6/18-21/2023 “Arthroscopic Procedures In The Year Preceding Total Knee Arthroplasty: Incidence, Costs And Outcomes” 14th Biennial Congress, ISAKOS (Boston, MA) [*Paper Presentation*]
- 6/18-21/2023 “Two-Year Burden of Antibiotic Use for Prosthetic Joint Following Total Knee Arthroplasty” 14th Biennial Congress, ISAKOS (Boston, MA) [*Paper Presentation*]

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