

Curriculum Vitae
Eric L. Smith, MD, FAOA, FAAOS, FAAHKS
Chief of Arthroplasty
New England Baptist Hospital
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January 13, 2023

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-Present Associate Professor, Tufts University School of Medicine

Hospital Appointments or Other Employment:

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."

07/2005 Excellence in Research Award, American Orthopaedic Society for Sports Medicine

12/2005 Norman T. Kirk Award 47th Annual Meeting, Society of Military Orthopaedic Surgeons

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)

Eric L. Smith, M.D.

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)
2020	Boston's Top Doctors (Castle Connolly)
2021	Boston's Top Doctors (Castle Connolly)
2022	Boston's Top Doctors (Castle Connolly)

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

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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 Averil 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
04/2018-09/2018	Ella Cornell
07/2018-06/2019	Kenneth McAlpine
04/2019-09/2019	Grant Shewmaker
04/2019-04/2019	Max H. Vaickus
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

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
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:

Eric L. Smith, M.D.

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

Editorial Boards:

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

Research Support:

Current:

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

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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
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

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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:

March 2009	“Contemporary Metal on Metal Articulations of Total Hip Arthroplasty,” Newton Wellesley Hospital (Wellesley, MA) [<i>Grand Rounds</i>]
June 5, 2009	“Routine Shortening after THA,” Thibodeau Lecture, Tufts University School of Medicine (Boston, MA) [<i>Invited Lecture</i>]
September 2009	“Current Trends on Pain Management after TKA,” Department of Anesthesia, Tufts Medical Center (Boston, MA) [<i>Invited Lecture</i>]

- September 23, 2009 “Current Trends in Total Joint Arthroplasty: Tufts Medical Center and Beyond,” Carney Hospital (Dorchester, MA) [*Grand Rounds*]
- March 2010 “Contemporary Metal on Metal Articulations of Total Hip Arthroplasty,” Tufts Medical Center (Boston, MA) [*Grand Rounds*]
- ~2010 “Evaluation of Hip and Knee Pain,” Milton Hospital (Milton, MA) [*Grand Rounds*]
- September 15, 2010 “Leg Length Discrepancy and Total Hip Arthroplasty: Preoperative, Intraoperative and Postoperative considerations,” New England Baptist Hospital (Boston, MA) [*Grand Rounds*]
- October 14, 2010 “Sources of Error in TKA,” Eastern Orthopaedic Association Annual Meeting (Naples, FL) [*Podium Presentation*]
- December 9, 2010 “Orthopaedic Trauma Care in Afghanistan,” Tufts School of Medicine Military Medical Society (Boston, MA) [*Invited Lecture*]
- June 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*]
- June 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*]
- October 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*]
- October 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*]
- October 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*]
- October 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*]
- October 19, 2011 “Length of Stay after Total Joint Replacement: Does Day of Surgery Matter?”, Eastern Orthopaedic Association Annual Meeting (Williamsburg, VA) [*Podium Presentation*]
- January 25, 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*]
- January 25, 2012 “Rapid Weight Loss after Bariatric Surgery May Increase Risk for Total Joint Arthroplasty,” New England Baptist Hospital (Boston, MA) [*Grand Rounds*]
- March 24, 2012 “New Techniques and Technologies in Joint Replacement,” Tufts Medical Center, Department of Medicine (Boston, MA) [*Grand Rounds*]
- May 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*]

November 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) [<i>Podium Presentation</i>]
December 10, 2012	“Adult Hip and Back,” Clinical Anatomy Class, Tufts University School of Medicine (Boston, MA) [<i>Invited Lecture</i>]
March 3, 2013	“Surgical Site Infection,” Patient Safety Awareness Week, Tufts Medical Center (Boston, MA) [<i>Invited Lecture</i>]
March 6, 2013	“Patient Discharge: Predictors for Placement and Outcomes after Total Joint Arthroplasty,” Lowell General Hospital (Lowell, MA) [<i>Grand Rounds</i>]
May 7, 2013	“New Techniques and Technologies in Joint Replacement,” General Medical Associates, Tufts Medical Center (Boston, MA) [<i>Grand Rounds</i>]
October 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) [<i>Podium Presentation</i>]
June 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) [<i>Invited Lecture</i>]
November 19, 2014	“(Most) All That Glitters is Not Gold: Myths and Truths of TJA,” University of Massachusetts Medical School (Worcester, MA) [<i>Grand Rounds</i>]
May 15, 2015	“Triple Prophylaxis for the Prevention of Surgical Site Infections (SSI) in Total Joint Arthroplasty (TJA),” Massachusetts Orthopaedic Association Annual Meeting (Waltham, MA) [<i>Podium Presentation</i>]
September 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) [<i>Invited Lecture</i>]
June 21, 2017	“(Most) All That Glitters is Not Gold: Myths and Truths of TJA,” Rheumatology Grand Rounds, Boston Medical Center (Boston, MA) [<i>Grand Rounds</i>]
September 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) [<i>Grand Rounds</i>]
October 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) [<i>Grand Rounds</i>]
February 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) [<i>Grand Rounds</i>]
November 6, 2019	“Modifying Risk in Total Joint Arthroplasty: A focus on the challenging patient,” New England Baptist Hospital (Boston, MA) [<i>Grand Rounds</i>]
Nov. 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 [<i>Podium Presentation</i>]
June 2020	“Modifying Risk in Total Joint Arthroplasty: A Focus on Obesity,” Thibodeau Lecture, Tufts University School of Medicine (Boston, MA) [<i>Invited Lecture</i>]

February 1, 2021	“Knee Motion Following TKA,” Medical Student Research Symposium, Boston University School of Medicine (Boston, MA) [<i>Poster Presentation</i>]
February 11, 2021	“Complex aseptic acetabular and femoral revisions,” Tufts University School of Medicine (Boston, MA) [<i>Grand Rounds</i>]
February 12, 2021	“The Profit Margin of Shoulder and Elbow Arthroplasty: As Compared to Lower Extremity Arthroplasty,” New England Shoulder & Elbow Society (Virtual) [<i>Podium Presentation</i>]
June 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) [<i>Invited Lecture</i>]
July 14, 2021	“Reducing Narcotic Usage with 0.5% Bupivacaine Periarticular Injections in Total Knee Arthroplasty,” 17 th Annual Research Symposium, New England Baptist Hospital (Boston, MA) [<i>Podium Presentation</i>]
July 14, 2021	“Is there a safe number of opioids to prescribe to opioid-naïve total joint arthroplasty patients?” 17 th Annual Research Symposium, New England Baptist Hospital (Boston, MA) [<i>Podium Presentation</i>]
July 14, 2021	“Energy Expenditure of Femoral Broaching in Direct Anterior Total Hip Replacements—Comparison Between Manual and Automated Techniques,” 17 th Annual Research Symposium, New England Baptist Hospital (Boston, MA) [<i>Podium Presentation</i>]
July 14, 2021	“Variation in the Profit Margin for Different Types of Total Joint Arthroplasty,” 17 th Annual Research Symposium, New England Baptist Hospital (Boston, MA) [<i>Podium Presentation</i>]
July 14, 2021	“Prior Authorizations in Total Joint Arthroplasty: Use of Artificial Intelligence Software to Reduce Write-Offs,” 17 th Annual Research Symposium, New England Baptist Hospital (Boston, MA) [<i>Podium Presentation</i>]
July 14, 2021	“Chronic Opioid Use Among Patients Undergoing Multiple Total Joint Arthroplasty Procedures,” 17 th Annual Research Symposium, New England Baptist Hospital (Boston, MA) [<i>Poster Presentation</i>]
July 14, 2021	“Anterior Mechanical Navigation Device is Accurate for Total Hip Arthroplasty Acetabular Inclination and Anteversion,” 17 th Annual Research Symposium, New England Baptist Hospital (Boston, MA) [<i>Poster Presentation</i>]
July 14, 2021	“Coinfection of HIV and Hepatitis C Increases Complication Rates After Total Joint Arthroplasty,” 17 th Annual Research Symposium, New England Baptist Hospital (Boston, MA) [<i>Poster Presentation</i>]
July 14, 2021	“Reference Pricing Reduces Total Knee Implant Costs,” 17 th Annual Research Symposium, New England Baptist Hospital (Boston, MA) [<i>Poster Presentation</i>]
July 14, 2021	“Reducing the Price of Total Hip Arthroplasty Implant Costs through Reference Pricing: an Economic Evaluation,” 17 th Annual Research Symposium, New England Baptist Hospital (Boston, MA) [<i>Poster Presentation</i>]
July 14, 2021	“Limb Lengthening after Primary Total Knee Arthroplasty: Customized Patient Specific Instrumentation Does Not Affect Expected Limb Lengthening,” 17 th Annual Research Symposium, New England Baptist Hospital (Boston, MA) [<i>Poster Presentation</i>]

- July 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*]
- July 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*]
- July 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*]
- July 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*]
- July 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*]
- July 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*]
- July 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*]
- July 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*]
- October 21, 2021 “Arthroplasty Costs Excluding Implants: Anatomic Total Shoulder vs Reverse Shoulder Arthroplasty,” Eastern Orthopaedic Association Annual Meeting (Nashville, TN)
- September 21, 2022 “Technology Is The Answer For Outpatient Joint Replacement: Giving Your Patient A Guarantee” Orthopedic Summit Evolving Techniques (Boston, MA) [*Podium Presentation*]
- September 21, 2022 “Clinical Case Presentations With Questions & Answers: Understanding How To Make Concepts Into Reality” Orthopedic Summit Evolving Techniques (Boston, MA) [*Panel Member*]
- September 21, 2022 “Evolving Technique Video Update: The Osteotomized Knee To A Total Knee Replacement” Orthopedic Summit Evolving Techniques (Boston, MA) [*Podium Presentation*]
- September 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*]
- September 21, 2022 “THE PATIENT WITH A TOTAL HIP & TOTAL KNEE ARTHROPLASTY: THE VERY COMPLEX PERIPROSTHETIC FRACTURES” Orthopedic Summit Evolving Techniques (Boston, MA) [*Section Moderator*]

- September 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]*
- September 21, 2022 “The OA Patient Journey– What’s Now & What’s Next? Lunch & Learn” Orthopedic Summit Evolving Techniques (Boston, MA) *[Panel Member]*
- February 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]*
- May 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]*
- June 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]*
- National:**
- December 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]*
- October 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]*
- April 17, 2010 “Routine Shortening after THA,” 25th Annual Spring Symposium, Hawaiian Orthopaedic Association (Waikiki, HI) *[Podium Presentation]*
- November 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]*
- November 3, 2012 “Components to “Premium” Knee Implants,” American Association of Hip and Knee Surgeons Annual Meeting (Dallas, TX) *[Podium Presentation]*
- November 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]*
- March 20, 2013 “Total Joint Replacement Surgery: Does Day of Surgery Matter?,” American Academy of Orthopaedic Surgeons Annual Meeting (Chicago, IL) *[Podium Presentation]*
- March 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]*
- November 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]*

- July 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*]
- November 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*]
- November 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*]
- November 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*]
- March 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*]
- March 4, 2016 “Kidney Injury after Antibiotic Cement Spacer Implantation for Prosthetic Joint Infection,” American Academy of Orthopaedic Surgeons Annual Meeting (Orlando, FL) [*Podium Presentation*]
- November 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*]
- April 22, 2017 “Primary THA-Biomechanics, Implants and Results,” Anchorage Orthopedic Society (Girdwood, AK) [*Podium Presentation*]
- April 22, 2017 “Revision Solutions in THA-Acetabular Solutions,” Anchorage Orthopedic Society (Girdwood, AK) [*Podium Presentation*]
- April 22, 2017 “Revision TKA: Fixation and Constraint: Instability, Stiffness, Fracture, Infection,” Anchorage Orthopedic Society (Girdwood, AK) [*Podium Presentation*]
- June 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*]
- June 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*]
- August 4-5, 2017 “Musculoskeletal Infections in Persons who Inject Drugs,” Musculoskeletal Infection Society 27th Annual Scientific Meeting (Boston, MA) [*Poster Presentation*]
- March 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*]
- March 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*]
- March 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*]

- March 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*]
- June 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*]
- June 27-30, 2018 “Outcomes of Tertiary Care Joint Arthroplasty Perioperative Surgical Home Initiative,” American Orthopaedic Association Annual Meeting (Boston, MA) [*Poster Presentation*]
- June 27-30, 2018 “An Update on the Utility of the 22-modifier Across Orthopaedic Subspecialties,” American Orthopaedic Association Annual Meeting (Boston, MA) [*Poster Presentation*]
- June 27-30, 2018 “Modern TKA Systems Are Prone to Tibial Oversizing in African American Females,” American Orthopaedic Association Annual Meeting (Boston, MA) [*Poster Presentation*]
- June 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*]
- June 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*]
- September 21-23, 2018 “Insurance Status Affects Complication Rates after Elective Total Hip Arthroplasty,” High Value Practice Academic Alliance National Conference (Baltimore, MD) [*Poster Presentation*]
- November 1-3, 2018 “Total Joint Arthroplasty Reduces Chronic Opioid Use,” American Association of Hip and Knee Surgeons Annual Meeting (Dallas, TX) [*Poster Presentation*]
- February 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*]
- August 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*]
- November 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*]
- November 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*]
- November 8-10, 2019 “Total Joint Arthroplasty Among Homeless Patients,” American Association of Hip and Knee Surgeons Annual Meeting (Dallas, TX) [*Poster Presentation*]
- February 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*]
- February 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*]

- March 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*]
- June 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*]
- June 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*]
- June 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*]
- June 9-13, 2020 “Hospital burden in obtaining prior authorizations for elective total knee arthroplasty,” American Orthopaedic Association Annual Meeting (Baltimore, MD) [*E-Poster Presentation*]
- November 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*]
- November 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*]
- November 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*]
- November 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*]
- November 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*]
- November 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*]
- December 15-18, 2020 “The Effect of Preoperative Narcotic Reporting on Pain Management After Total Joint Arthroplasty,” Society of Military Orthopaedic Surgeons Annual Meeting (Virtual)
- December 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)
- February 12-16, 2021 “Characterizing the Incidence of Avascular Necrosis After Corticosteroid Injections of the Hip,” Orthopaedic Research Society Annual Meeting (Virtual) [*Poster Presentation*]
- February 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*]

- February 12-16, 2021 “Are Corticosteroid Injections Of The Hip Associated With Increased Risk Of Osteonecrosis?” Orthopaedic Research Society Annual Meeting (Virtual) [*Poster Presentation*]
- February 12-16, 2021 “Are Intrauterine Contraceptive Devices A Cause Of False-positive Musculoskeletal Hip Joint Pain?” Orthopaedic Research Society Annual Meeting (Virtual) [*Poster Presentation*]
- February 14, 2021 “Image-guided Intraarticular Hip Injections And Risk of Infection After Hip Arthroscopy,” Orthopaedic Research Society Annual Meeting (Virtual) [*Podium Presentation*]
- April 8, 2021 “Painful THA, a focus on modularity,” One Case a Day (Virtual) [*Podium Presentation*]
- April 16, 2021 “Modifying Risk in TJA,” 35th Annual Combined Orthopaedic Spring Symposium, Hawaiian Orthopaedic Association (Virtual) [*Podium Presentation*]
- April 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*]
- July 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*]
- August 31, 2021 “Is Outpatient Total Joint Arthroplasty Associated with Increased Risk of New Persistent Opioid Use?” AAOS Annual Meeting (San Diego, CA) [*Podium Presentation*]
- August 31, 2021 “Surprise Bills for Patients Undergoing Revision Total Joint Arthroplasty in the United States,” AAOS Annual Meeting (San Diego, CA) [*Podium Presentation*]
- August 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*]
- August 31, 2021 “High Rates of Surprise Bills for Orthopaedic Patients Seeking Emergency Hip Fracture Care,” AAOS Annual Meeting (San Diego, CA) [*Poster Presentation*]
- September 2, 2021 “Characterizing the Incidence of Avascular Necrosis After Corticosteroid Injections of the Hip” AAOS Annual Meeting (San Diego, CA) [*Podium Presentation*]
- September 2, 2021 “Prior Authorizations in Total Joint Arthroplasty: Reducing Costs using Artificial Intelligence Software,” AAOS Annual Meeting (San Diego, CA) [*Poster Presentation*]
- October 21-23, 2021 “The Profit Margin Differences Among Total Joint Arthroplasty Procedures,” AMA Research Challenge 2021 (Virtual) [*Poster Presentation*]
- October 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*]
- November 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)
- November 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)

- March 22-26, 2022 “Costs of Nonsurgical Procedures for Knee Osteoarthritis in the Year Prior to Primary Total Knee Arthroplasty” (Chicago, IL) [*E-Poster Presentation*]
- March 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*]
- September 23, 2022 “Clinical Case Presentations With Questions & Answers: Understanding How To Make Concepts Into Reality” OSET (Boston, MA) [*Panel Presentation*]
- September 23, 2022 “Clinical Case Presentations With Questions & Answers: Stem Choices, Bone Void Options, Implant Choices, Surgical Technique” OSET (Boston, MA) [*Panel Presentation*]
- September 23, 2022 “The Patient With A Total Hip & Total Knee Arthroplasty: The Very Complex Periprosthetic Fractures” OSET (Boston, MA) [*Section Moderator*]
- September 23, 2022 “Case Presentations With Questions & Answers: Who’s The Last Doctor Standing & Convincing The Audience They Are Correct?” OSET (Boston, MA)
- September 23, 2022 “The OA Patient Journey– What’s Now & What’s Next? Lunch & Learn” OSET (Boston, MA)
- September 23, 2022 “Evolving Technique Video Update: The Osteotomized Knee To A Total Knee Replacement” OSET (Boston, MA) [*Podium Presentation*]
- September 23, 2022 “Technology Is The Answer For Outpatient Joint Replacement: Giving Your Patient A Guarantee,” OSET (Boston, MA) [*Podium Presentation*]
- March 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*]
- March 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*]
- March 22-26, 2022 “Image-guided Intraarticular Corticosteroid Injections and Risk of Infection After Total Hip Arthroplasty,” (Chicago, IL) [*Poster Presentation*]
- March 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*]
- March 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*]
- March 7-11, 2023 “The Cost of Stiffness After Total Knee Arthroplasty,” American Academy of Orthopaedic Surgeons Annual Meeting (Las Vegas, NV) [*Poster Presentation*]
- March 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*]

International:

- April 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*]
- April 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*]
- November 13, 2013 “Effect of Sagittal Sawing Parameters on Histopathology of Bone,” ASME 2013 International Mechanical Engineering Congress and Exposition (San Diego, CA) [*Podium Presentation*]
- November 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*]
- November 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*]
- March 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*]
- April 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*]
- April 16, 2015 “Use of Tibial Augments Provides Improved Functional Outcomes in a Revision Single Radius Knee Design,” World Arthroplasty Conference (Paris, France) [*Podium Presentation*]
- October 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*]
- September 17, 2020 “Characterizing Intraoperative Vasopressor Use in Total Knee Arthroplasty,” Annual Meeting European Orthopaedic Research Society (Virtual) [*Podium Presentation*]
- April 3, 2021 “Antibiotic Loaded Cement Spacers: Articulated, Static, Ultra-Static-technique and Outcomes,” Indonesian Orthopaedic Association (IOA) Annual Congress (Virtual) [*Podium Presentation*]
- Nov. 27-Dec.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)
- Nov. 27-Dec.1, 2021 “Characterizing The Incidence Of Avascular Necrosis After Corticosteroid Injections Of The Hip,” 13th Biennial Congress, ISAKOS (Cape Town, South Africa)
- Nov. 27-Dec.1, 2021 “Differences In Incidence Of Osteonecrosis After Intraarticular Hip Injection Between Corticosteroid Type And Dose,” 13th Biennial Congress, ISAKOS (Cape Town, South Africa)

- June 18-21, 2023 “National Trends of Cemented and Uncemented Total Knee Arthroplasty: 2018-2020” 14th Biennial Congress, (ISAKOS) (Boston, MA)
- June 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*]
- June 18-21, 2023 “Treatment of Periprosthetic Infection after Total Knee Arthroplasty using an Ultrastatic Spacer” 14th Biennial Congress, (ISAKOS) (Boston, MA) [*E-Poster Presentation*]
- June 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*]
- June 18-21, 2023 “Arthroscopic Procedures In The Year Preceding Total Knee Arthroplasty: Incidence, Costs And Outcomes” 14th Biennial Congress, (ISAKOS) (Boston, MA) [*Paper Presentation*]
- June 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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Original, Peer Reviewed Articles:

1. 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(1):e13. doi: 10.1016/j.arthro.2004.02.029
2. **Smith EL**, Wohlrab KP, Matzkin EG, Providence BC. A comparison of distal canal restrictors in primary cemented femoral hip arthroplasty. *Orthopedics*. 2004 Aug;27(8):847-51. PMID: 15369006.
3. Matzkin E, **Smith EL**, Freccero D, Richardson AB. Adequacy of education in musculoskeletal medicine. *J Bone Joint Surg Am*. 2005 Feb;87(2):310-4. doi: 10.2106/JBJS.D.01779. PMID: 15687152.
4. 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(11):1730-7. doi: 10.1177/0363546506288239. Epub 2006 May 30. PMID: 16735589.
5. Matzkin EG, **Smith EL**, Wilson A, Murray PC. External fixation of pediatric femur fractures with cortical contact. *Am J Orthop (Belle Mead NJ)*. 2006 Nov;35(11):498-501. PMID: 17152970.
6. **Smith EL**, Raney EM, Matzkin EG, Fillman RR, Yandow SM. Trevor's disease: the clinical manifestations and treatment of dysplasia epiphysealis hemimelica. *J Pediatr Orthop B*. 2007 Jul;16(4):297-302. doi: 10.1097/BPB.0b013e328092563f. PMID: 17527110.
7. Lang JE, Lonner JH, Scott RD, Bono JV, Murphy SB, Whiddon DR, Salyapongse A, **Smith EL**. Limb Lengthening is a Common Consequence of Total Knee Arthroplasty. *J Arthroplasty*. 2009 Feb;24(2):e67. Epub 2009 Jan. doi: 10.1016/j.arth.2008.11.081.
8. Judd DB, Pallis MP, **Smith E**, Bottoni CR. Acute operative stabilization versus nonoperative management of clavicle fractures. *Am J Orthop (Belle Mead NJ)*. 2009 Jul;38(7):341-5. PMID: 19714275.

9. Lang JE, Bono JV, Whiddon DR, Salyapongse AK, Moezzi DM, **Smith EL**. Stability of revision acetabular components using the rim-fit technique. *J Arthroplasty*. 2010 Jan;25(1):128-32. doi: 10.1016/j.arth.2008.09.013. Epub 2008 Dec 3. PMID: 19056229.
10. **Smith EL**, Saldana RE, Bottini CR, Husain TM. Revision Anterior Cruciate Ligament Reconstruction in Active Duty Service Members. *Tech Knee Surg*. 2011 Jun;10(2):103-107. doi: 10.1097/BTK.0b013e31820d2afd.
11. Whiddon DR, Bono JV, Lang JE, **Smith EL**, Salyapongse AK. Accuracy of digital templating in total hip arthroplasty. *Am J Orthop (Belle Mead NJ)*. 2011 Aug;40(8):395-8. PMID: 22016868.
12. Rajae SS, Trofa D, Matzkin E, **Smith E**. National trends in primary total hip arthroplasty in extremely young patients: a focus on bearing surface usage. *J Arthroplasty*. 2012 Dec;27(10):1870-8. doi: 10.1016/j.arth.2012.04.006. Epub 2012 May 31. PMID: 22658430.
13. Nicholson L, Trofa D, **Smith E**. Re-learning curve of conventional total knee arthroplasties following 30 consecutive computer-assisted total knee arthroplasties. *Comput Aided Surg*. 2013;18(3-4):63-7. doi: 10.3109/10929088.2012.762044. Epub 2013 Feb 4. PMID: 23379620.
14. Robinson S, McGonigle O, Volin S, Sung YC, Moore M, Cassidy C, **Smith E**. Comprehensive Look at Blood Transfusion Utilization in Total Joint Arthroplasty at a Single Academic Medical Center under a Single Surgeon. *J Blood Transfus*. 2013;2013:983250. doi: 10.1155/2013/983250. Epub 2013 Jul 16. PMID: 24089654; PMCID: PMC3771129.
15. James TP, McGonigle OP, Hasan IM, **Smith EL**. Adjustable Slot Cutting Guide for Improved Accuracy During Bone Resection in Total Knee Arthroplasty. *J Med Devices*. 2013 Dec;7(4):044502. doi: 10.1115/1.4025341
16. **Smith EL**, DiSegna ST, Shukla PY, Matzkin EG. Barbed versus traditional sutures: closure time, cost, and wound related outcomes in total joint arthroplasty. *J Arthroplasty*. 2014 Feb;29(2):283-7. doi: 10.1016/j.arth.2013.05.031. Epub 2013 Nov 22. PMID: 24275262.
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18. James TP, Chang G, Micucci S, Sagar A, **Smith EL**, Cassidy C. Effect of applied force and blade speed on histopathology of bone during resection by sagittal saw. *Med Eng Phys*. 2014 Mar;36(3):364-70. doi: 10.1016/j.medengphy.2013.12.002. Epub 2014 Jan 7. PMID: 24405736.
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23. 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. *Am J Sports Med.* 2015 Oct;43(10):2501-9. doi: 10.1177/0363546515596406. Epub 2015 Aug 26. PMID: 26311445.
24. Uchimura T, Foote A, **Smith EL**, Matzkin EG, Zeng L. Insulin-Like Growth Factor II (IGF-II) Inhibits IL-1 β -Induced Cartilage Matrix Loss and Promotes Cartilage Integrity in Experimental Osteoarthritis. *J Cell Biochem.* 2015 Dec;116(12):2858-69. doi: 10.1002/jcb.25232. PMID: 26015264; PMCID: PMC5630262.
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