

CURRICULUM VITAE



Joel R. Peterson, MD, MA

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HOSPITAL APPOINTMENTS

2018 – 2023
Resident Physician, Department of Orthopedic Surgery
Columbia University Irving Medical Center
New York Presbyterian Hospital
New York, NY

2023 – 2024
Clinical Fellow, Shoulder and Elbow Surgery
Sports Medicine Institute
Hospital for Special Surgery
New York, NY

EDUCATION

2006 – 2010
Princeton University
AB, Ecology and Evolutionary Biology
Certificate of Proficiency: Neuroscience
Princeton, NJ

2010 – 2012
Columbia University Graduate School of Arts and Sciences
MA, Conservation Biology
New York, NY

2014 – 2018
Rutgers Robert Wood Johnson Medical School
MD, *Alpha Omega Alpha Honor Society*
Piscataway, NJ

POST-DOCTORAL TRAINING

2018 –2023
Resident Physician, Department of Orthopedic Surgery
Columbia University Irving Medical Center
New York Presbyterian Hospital
New York, NY
Director: Charles M. Jobin, MD
Chairman: William N. Levine, MD

2023 –2024
Clinical Fellow, Shoulder & Elbow Surgery
Sports Medicine Institute
Hospital for Special Surgery
New York, NY
Co-Directors: David M. Dines, MD; Lawrence V. Gulotta, MD

MEDICAL LICENSES

2018 – Present National Provider Identifier (NPI) #1770087710
2023 – Present New York State Medical License 321520
2023 – Present Connecticut State Medical License 74949
2024 – Present Florida State Medical License ME168223

CERTIFICATIONS

2014 – Present American Heart Association Basic Life Support
2018 – Present American Heart Association Advanced Cardiac Life Support
2020 Basic Microsurgery, CUMC Microsurgery Training Laboratory
2023 – Present DEA Controlled Substance Registration

PROFESSIONAL SOCIETIES

2014 – 2018 Medical Society of New Jersey, Student Member
2014 – Present American Medical Association, Member
2017 – Present Alpha Omega Alpha (AOA) Medical Honor Society, Member
2018 – Present American Academy of Orthopaedic Surgeons (AAOS), Member
2024 – Present American Shoulder & Elbow Surgeons (ASES), Candidate Member

HONORS/AWARDS

2024 OMeGA Medical Grant Recipient
2017 Alpha Omega Alpha Medical Honor Society

RESEARCH:

2023 – 2024 Research Fellow, Sports Medicine Institute
Hospital for Special Surgery
New York, NY
PIs: David M. Dines, MD; Lawrence V. Gulotta, MD;
Theodore A. Blaine, MD

2018 – 2023 Research Resident, Department of Orthopedic Surgery
Columbia University Medical Center- New York
Presbyterian Hospital
New York, NY
PIs: William N. Levine, MD; Charles M. Jobin, MD;
Christopher S. Ahmad, MD

2015 – 2018 Research Student, Department of Orthopedic Oncology
Hackensack University Medical Center
Hackensack, NJ
PI: James C. Wittig, MD

2010 – 2012 Graduate Research Student, Department of Ecology,
Evolution, and Environmental Biology
Columbia University Graduate School of Arts and Sciences
New York, NY

2009 – 2010 Undergraduate Research Student, Department of
Neuroscience
Princeton University
Princeton, NJ

COURSES

2018 Orthopedic Trauma Association Comprehensive
Fracture Course
Orlando, FL

2020 Microsurgery Basic Course at Columbia University
Medical Center
New York, NY

TEAM COVERAGE

2021 – 2022 Rugby United New York, New York, NY
Team Physician/Consultant

2020 – 2022 Manhattan College, Bronx, NY
Team Physician/Consultant

2020 – 2023 New Jersey metropolitan high schools
Team Physician/Consultant

BIBLIOGRAPHY

PEER REVIEWED ARTICLES – Published

1. **Peterson JR**, Villalobos CE, Zamora R, Wittig JC. Limb Sparing Resection for Tumors Involving the Distal Humerus and Reconstruction with a Modular Endoprosthesis. *Bull Hosp Jt Dis* (2013). 2015 Jul;73(3):190-7. PMID: 26535598.
2. **Peterson JR**, Decilveo AP, O'Connor IT, Golub I, Wittig JC. What Are the Functional Results and Complications With Long Stem Hemiarthroplasty in Patients With Metastases to the Proximal Femur? *Clin Orthop Relat Res*. 2017 Mar;475(3):745-756. doi: 10.1007/s11999-016-4810-7. PMID: 27052019; PMCID: PMC5289173.
3. Sonnylal L, **Peterson JR**, Decilveo AP, O'Connor IT, Wittig JC. Giant periosteal aggressive epithelioid osteoblastoma: 21-year-old male presents case in the midshaft of his femur. *Skeletal Radiol*. 2018 Oct;47(10):1443-1448. doi: 10.1007/s00256-018-2922-8. Epub 2018 Mar 10. PMID: 29525944.

4. Boddapati V, Lee NJ, Mathew J, Held MB, **Peterson JR**, Vulapalli MM, Lombardi JM, Dyrszka MD, Sardar ZM, Lehman RA, Riew KD. Respiratory Compromise After Anterior Cervical Spine Surgery: Incidence, Subsequent Complications, and Independent Predictors. *Global Spine J.* 2021 Jan 7:2192568220984469. doi: 10.1177/2192568220984469. Epub ahead of print. PMID: 33406919.
5. Boddapati V, Mathew J, Lee NJ, **Peterson JR**, McCormick KL, Lombardi JM, Sardar ZM, Lehman RA, Riew KD. Are outpatient three- and four-level anterior cervical discectomies and fusion safe? *Spine J.* 2021 Feb;21(2):231-238. doi: 10.1016/j.spinee.2020.10.007. Epub 2020 Oct 10. PMID: 33049410.
6. Lopez CD, Ding J, **Peterson JR**, Ahmed R, Heffernan JT, Lobao MH, Jobin CM, Levine WN. Incidental Pulmonary Nodules Found on Shoulder Arthroplasty Preoperative CT Scans. *J Shoulder Elb Arthroplast.* 2022 Apr 13;6:24715492221090762. doi: 10.1177/24715492221090762. PMID: 35669617; PMCID: PMC9163726.
7. Ahmed R, Lanham NS, **Peterson JR**, Jobin CM, Levine WN. Characterization of ASES score pain and functional improvement after anatomic total shoulder arthroplasty: a patient-centered perspective. *J Shoulder Elbow Surg.* 2022 May;31(5):1042-1046. doi: 10.1016/j.jse.2021.10.031. Epub 2021 Nov 19. PMID: 34808350.
8. Lopez CD, Gazgalis A, **Peterson JR**, Confino JE, Levine WN, Popkin CA, Lynch TS. Machine Learning Can Accurately Predict Overnight Stay, Readmission, and 30-Day Complications Following Anterior Cruciate Ligament Reconstruction. *Arthroscopy.* 2022 Jul 9:S0749-8063(22)00407-8. doi: 10.1016/j.arthro.2022.06.032. Epub ahead of print. PMID: 35817375.
9. Lanham NS, **Peterson JR**, Ahmed R, Jobin CM, Levine WN. Comparison of Glenoid Bone Grafting versus Augmented Glenoid Baseplates in Reverse Shoulder Arthroplasty: A Systematic Review. *J Shoulder Elbow Surg.* 2022 Mar 25:S1058-2746(22)00326-3. doi: 10.1016/j.jse.2022.02.022. Epub ahead of print. PMID: 35346848.

PEER REVIEWED ARTICLES – Submitted/Accepted

1. Lopez CD, Constant M, **Peterson JR**, Bixby EC, Jobin CM, Hickernell TR. Trends in orthopaedic related google search volume during the COVID-19 pandemic in the United States. *Orthopedics.*
2. Frederick JS, Gazgalis A, **Peterson JR**, Yang S, Hickernell TR, Tatka J, Cooper HJ, Shah RP, Geller JA, Neuwirth AL. ACE inhibitor use does not significantly affect occurrence of manipulation under anesthesia following total knee arthroplasty. *Knee Surgery, Sports Traumatology, Arthroscopy.*
3. Ahmed R, Lanham NS, Dantzker N, Lopez CD, **Peterson JR**, Levine WN. Characterization of pain and functional improvement with ASES and Constant score MCID achievement: a patient-centered calculation. *Quality of Life Research.*

4. Lanham NS, **Peterson JR**, Dantzker N, Ahmed R, Jobin CM. Elbow arthroscopy: essential principles of positioning, anatomy, and portal placement. *JSES Reviews, Reports, and Techniques*.
5. Gupta P, **Peterson JR**, Rogalski B, Trofa DP, Jobin CM, Levine WN. A descriptive analysis of total elbow arthroplasty for distal humerus fractures. *JSES*.
6. Gupta P, **Peterson JR**, Marigi EM, Rogalski B, Trofa DP, Levine WN, Jobin CM. Revision total elbow arthroplasty is associated with an elevated rate of 30-day complications: a descriptive analysis of a national database. *JSES*.

MANUSCRIPTS IN PREPARATION

1. **Peterson JR**, Lanham NS, Ahmed R, Levine WN. Short-term outcomes of an anatomic stemless ellipsoid total shoulder arthroplasty system.
2. **Peterson JR**, Alexander FJ, Ahmad CS. Inter- and Intraobserver reliability between orthopaedic surgeons for reparability of the ulnar collateral ligament using MRI.

PRESENTATIONS

PODIUM PRESENTATIONS

1. **Peterson JR**, Villalobos CE, Zamora R, Wittig JC. Limb Sparing Resection for Tumors Involving the Distal Humerus and Reconstruction with a Modular Endoprosthesis. Podium presentation at American College of Surgeons' 2016 Clinical Congress. October 2016. Washington DC.
2. Lopez CD, Constant M, **Peterson JR**, Bixby EC, Jobin CM, Hickernell TR. Trends in orthopaedic related google search volume during the COVID-19 pandemic in the United States. Podium presentation at America Academy of Orthopaedic Surgeons Annual Meeting. August 2021. San Diego, CA

POSTER EXHIBITS

1. **Peterson JR**, Jacobs BL. The effects of peripheral cancer on neurogenesis in the mouse dentate gyrus. Princeton University Undergraduate Research Symposium. May 2010. Princeton, NJ
2. **Peterson JR**, Decilveo AP, Golub I, Wittig JC. Long stem hemiarthroplasty for metastatic cancer of the proximal femur provides optimal palliation and function. International Society of Limb Salvage 18th General Meeting / Musculoskeletal Tumor Society 2015 Annual Meeting; October 2015. Orlando, FL.
3. **Peterson JR**, Golub I, Decilveo AP, Wittig JC. Rotational gastrocnemius muscle flaps for high grade soft tissue sarcomas around the knee provides great function. International Society of Limb Salvage 18th General Meeting / Musculoskeletal Tumor Society 2015 Annual Meeting; October 2015. Orlando, FL.

4. **Peterson JR**, Decilveo AP, Golub I, Wittig JC. Limb sparing resection for tumors involving the distal humerus and reconstruction with a modular endoprosthesis. International Society of Limb Salvage 18th General Meeting / Musculoskeletal Tumor Society 2015 Annual Meeting; October 2015. Orlando, FL.
5. **Peterson JR**, Decilveo AP, Golub I, Garcia R, Wittig JC. 21-year-old male presents with a giant periosteal aggressive epithelioid osteoblastoma in the midshaft of his femur. International Society of Limb Salvage 18th General Meeting / Musculoskeletal Tumor Society 2015 Annual Meeting; October 2015. Orlando, FL.
6. Decilveo AP, Golub I, Topfer J, O'Connor IT, **Peterson JR**, Wittig JC. Lightfix; a prospective, multi-center study of the photodynamic bone stabilization system for the treatment of impending and actual pathological fractures from metastatic bone disease in the humerus. International Society of Limb Salvage 18th General Meeting / Musculoskeletal Tumor Society 2015 Annual Meeting; October 2015. Orlando, FL.
7. Frederick JS, Gazgalis A, **Peterson JR**, Yang S, Hickernell TR, Tatka J, Cooper HJ, Shah RP, Geller JA, Neuwirth AL. ACE inhibitor use does not significantly affect occurrence of manipulation under anesthesia following total knee arthroplasty. American Association of Hip and Knee Surgeons Annual Meeting. November 2020. Dallas, TX.
8. Ahmed R, Lanham NS, Mueller J, Kopydlowski N, **Peterson JR**, Jobin, CM. Does an in-situ biceps tenodesis with an anatomic length-tension relationship affect the incidence of popeye deformity and clinical outcomes compared to an estimated length-tension relationship technique? American Orthopaedic Society for Sports Medicine Annual Meeting. July 2022. Colorado Springs, CO.