

CURRICULUM VITAE

JOSEPH T. PATTERSON MD FACS FAAOS

February 4, 2026

Department of Orthopaedic Surgery
University of Southern California
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EDUCATION AND PROFESSIONAL APPOINTMENTS

EDUCATION AND POST-GRADUATE TRAINING

2006-2010 B.S., Bioengineering (summa cum laude), University of California, Los Angeles, CA
2010-2014 M.D., Yale School of Medicine, New Haven, CT
2014-2019 Residency, Orthopaedic Surgery, University of California, San Francisco, CA
2019-2020 Fellowship, Orthopaedic Traumatology, Harborview Medical Center, Seattle, WA

ACADEMIC APPOINTMENTS

2019-2020 Acting Instructor, University of Washington
2020- Assistant Professor of Clinical Orthopaedic Surgery, Keck School of Medicine of the University of Southern California, Los Angeles, CA
2023- Fellow, American College of Surgeons (ACS), Boston, MA
2024- Fellow, American Academy of Orthopaedic Surgeons (AAOS), Rosemont, IL
2025- Associate Professor of Clinical Orthopaedic Surgery (Clinical Scholar), Keck School of Medicine of the University of Southern California, Los Angeles, CA

CLINICAL APPOINTMENTS

2020- Attending, Keck Hospital of USC
2020- Attending, Los Angeles General Medical Center
2020- Attending, Verdugo Hills Hospital of USC

ADMINISTRATIVE APPOINTMENTS

2024- Director of Orthopaedic Trauma Research, Department of Orthopaedic Surgery, Keck School of Medicine of the University of Southern California

LICENSURE AND CERTIFICATION

LICENSURE

2015- Physician & Surgeon #A139852, Medical Board of California, CA, Active

INTERNAL

- 2016- Fluoroscopy X-ray Supervisor and Operator Permit #RHC00202145, California Department of Public Health, Radiologic Health Branch, CA, Active
- 2019-2023 Physician & Surgeon #60932478, Washington Medical Commission, WA, Expired

BOARD CERTIFICATION OR ELIGIBILITY

- 2019 American Board of Orthopaedic Surgery (ABOS), Part I Examination, Pass
- 2022 ABOS, Part II Examination, Pass
- 2022 ABOS, Board Certified Diplomate

SPECIALTY CERTIFICATION

- 2025- Qualified Medical Evaluator, California Department of Industrial Relations, Division of Workers' Compensation Medical Unit

HONORS, AWARDS:

- 2006 Eagle Scout, Boy Scouts of America
- 2006 Joe Chavez Memorial Scholarship, Coastal Community Foundation, Encinitas, CA
- 2006 Alumni Scholarship, University of California Los Angeles (UCLA)
- 2006 Regents Scholarship, University of California Regents
- 2008 Tau Beta Pi Engineering Honor Society, UCLA
- 2012 Farr Scholar for MD Thesis Excellence in Research, Yale School of Medicine
- 2013 Honors, all clinical clerkships, Yale School of Medicine
- 2015 Outstanding Resident Research Award, University of California San Francisco (UCSF) Clinical & Translational Science Institute (CTSI)
- 2016 Resident Research Paper Award, Inman Abbott Orthopaedic Society Annual Meeting
- 2016 James A. Rand Young Investigator Award, American Association of Hip and Knee Surgeons Annual Meeting (AAHKS)
- 2017 Resident Writer's Award, American Journal of Orthopaedics
- 2017 Clinical Scholar Career Development Program, AAOS/Orthopaedic Research and Education Foundation (OREF)/Orthopaedic Research Society (ORS)
- 2018 Research Travel Fellowship, Institute for Global Orthopaedic Trauma (IGOT) & Muhimbili Orthopaedic Institute, Dar es Salaam, Tanzania
- 2018 Resident Research Paper Award, Inman Abbott Orthopaedic Society Annual Meeting
- 2018 Outstanding Resident Research Award, UCSF CTSI
- 2018 Jeffrey E. Krygier Travel Grant, Western Orthopaedic Foundation, Western Orthopaedic Association (WOA) annual meeting
- 2018 C. McCollister Evarts Resident Leadership Forum, American Orthopaedic Association (AOA)
- 2018 Emerging Leaders Program, AOA
- 2019 Annual Meeting Highlight Paper, AAOS Annual Meeting
- 2019 Resident Research Paper Award, Inman Abbott Orthopaedic Society Annual Meeting
- 2019 Outstanding Resident Research Award, UCSF CTSI
- 2020 Young Investigator Research Development Award, AO Trauma North America (AOTNA)
- 2020 OMeGA Medical Grants Association Fellow, University of Washington
- 2021 Game Changer Clinical Study, Orthopaedic Trauma Association (OTA) Podcast Annual Meeting Special Episode

2022 Early Career Development Award, AOTNA
 2022 Southern California Rising Stars, Super Doctors, Los Angeles Times Magazine
 2023 Southern California Rising Stars, Super Doctors, Los Angeles Times Magazine
 2023 Chair's Choice Paper, OTA Annual Meeting
 2023 Best New Site, Major Extremity Trauma Research Consortium (METRC) at OTA Annual Meeting
 2024 Southern California Rising Stars, Super Doctors, Los Angeles Times Magazine
 2024 Best New Site, Major Extremity Trauma Research Consortium (METRC) at OTA Annual Meeting
 2024 ORS/OREF Travel Grant in Orthopaedic Research Translation, ORS Annual meeting
 2024 Young Investigator Award, WOA Annual Meeting
 2025 Southern California Rising Stars, Super Doctors, Los Angeles Times Magazine
 2025 Chair's Choice Paper, OTA Annual Meeting
 2026 Southern California Rising Stars, Super Doctors, Los Angeles Times Magazine

TEACHING

CLASSROOM/DIDACTIC TEACHING

2010-2014 Anatomy Teaching Program for High School Students, Instructor, 4 hours/yr
 2011-2012 Anatomy Core for MS1 Medical Students, Instructor, 8 hours/yr
 2019-202 Orthopaedic Surgery Residency Monthly Journal Club, Faculty Moderator, 52 hours/yr
 2020- Orthopaedic Surgery Residency Bimonthly Journal Club, Faculty Moderator, 8 hours/yr
 2020- KSOM MS2 BBM Module 2 Musculoskeletal System, Orthopedics: Basics of Fracture Care, Lecturer, 1 hour/yr
 2020 Orthopaedic Surgery Residency, Intern Skills, Suture Basics, Faculty, 2 hours
 2020- Orthopaedic Surgery Residency, Core Curriculum, OITE Review: Trauma, Lecturer, 1 hour/yr
 2020- Orthopaedic Surgery Residency, Trauma Conference, Tibial Plateau Fractures, Lecturer, 4 hours/yr
 2020- Orthopaedic Surgery Residency, Trauma Conference, Calcaneus Fractures, Lecturer, 4 hours/yr
 2021 Orthopaedic Surgery Residency, Trauma Conference, Fractures of the Talus & Lisfranc Injuries, 1 hour
 2021- Orthopaedic Surgery Residency, Intern Skills, Traction Pins, Faculty, 2 hours/yr
 2021- Orthopaedic Surgery Residency, Intern Skills, External Fixation, Faculty, 2 hours/yr
 2021- KSOM Orthopaedic and Plastic Surgery Interest Groups, Orthoplastics: Collaboration between Orthopaedic Trauma and Plastic Surgery, Lecturer, 1 hour
 2021- Orthopaedic Surgery Residency, Core Curriculum, Principles of Internal Fixation, Lecturer, 1 hour/yr
 2021- Orthopaedic Surgery Residency, Core Curriculum, Principles of External Fixation, Lecturer, 1 hour/yr
 2021- Acting Interns Faculty Lecture, Polytrauma, Lecturer, 2 hours/yr
 2021- Orthopaedic Surgery Residency, Intern Skills, Drilling Bone, Faculty, 2 hours/yr
 2021- Orthopaedic Surgery Residency, Intern Skills, Plate and Screw Fixation, Faculty, 2 hours/yr

2024- Orthopaedic Surgery Residency, Core Curriculum, Nonunion, Malunion, Deformity, Lecturer, 1 hour/yr

TRAINING LECTURES AND WORKSHOPS

2014 External Fixation, American College of Surgeons Global Surgery Forum, Instructor, 3 hours
2021 Pelvis and Polytrauma Module, OTA Comprehensive Resident Fracture Course, Faculty, 4 hours
2021 AO Trauma North America Fellows Forum, Bonita Springs, FL, Faculty, 16 hours
2022 AO Peer Level 1 Course, Baltimore, MD, Faculty, 12 hours
2024- Pelvis Fractures, LAGMC + Keck SOM Orthopaedic Trauma Conference, Lecturer, 2 hours/yr
2025 AO Basic Principles of Fracture Management, Henderson, NV, Faculty, 36 hours
2025 AO Basic Principles of Fracture Management, La Jolla, CA, Faculty, 36 hours

COURSES DEVELOPED, INCLUDING CME COURSES

2023 Young Femoral Neck Fractures Module, AO Milestones, Adaptive Online Learning Content Author, 6 hours

CLINICAL BEDSIDE TEACHING/TRAINEE SUPERVISION

2019-2020 Instructor, Harborview Medical Center Orthopaedic Trauma Service, Daily Rounds and Sign-out, Orthopaedic Surgery Fellows, Residents, Medical Students, 936 hours, 90 learners
2020- Instructor, Harborview Medical Center Orthopaedic Trauma Service, Fracture Conference (weekly), 96 hours, 90 learners
2020- Faculty, Orthopaedic Trauma Fellows Conference
2020- Faculty, LAC+USC and Keck Hospital Fracture Conference (weekly), 48 hours/yr, 72 learners/yr
2020- Faculty, LAC+USC Morning Pass-on Rounds (daily), Orthopaedic Surgery Fellows, Residents, Medical Students, PA Students, 150 hours/yr, 72 learners/yr

MENTORSHIP OF HIGH SCHOOL, UNDERGRADUATE, MASTER'S AND MEDICAL STUDENTS

2020-2022 Taseen Haque, Medical Student, Research Mentor
2020-2023 Kevin Mertz, Medical Student, Research Mentor
2021-2023 Julian Wier, Medical Student, Scholarly Project, Independent Research Elective, Faculty Mentor
2021-2024 Michael Brown Medical Student, Scholarly Project, Faculty Mentor
2021-2024 Jacob Becerra, Medical Student, Saban Summer Research Fellowship, Scholarly Project, Faculty Mentor
2021-2025 Andrew Duong Medical Student, Deans Research Scholar, Saban Summer Research Fellowship, Scholarly Project, Faculty Mentor
2022-2025 Alex Kuncz, Undergraduate Student, USC Dornsife/Keck Shadowing Program, USC Viterbi MEDesign, Faculty Mentor
2022-2025 Joshua Senior, Undergraduate Student, USC Dornsife/Keck Shadowing Program, Faculty and Research Mentor

2022-2024 Phillip Chung, Medical Student, Saban Summer Research Fellowship, Scholarly Project, Faculty Mentor

2022 Alexa Glick, Medical Student, Saban Summer Research Fellowship, Scholarly Project, Faculty Mentor

2023-2024 Gabriela Pinzon-Betancourt. Medical Student, Saban Summer Research Fellowship, Faculty Mentor

2023-2025 Pranit Kumaran, Medical Student, Research Mentor

2023-2025 Joseph Baca, Medical Student, Research Mentor

2023-2025 Daniel Rusu, Medical Student, Saban Summer Research Fellowship, Faculty Mentor

2023-2025 Vivek Satish, Medical Student, Saban Summer Research Fellowship, Faculty Mentor

2023-2025 Raymond Bui, Medical Student, Research Mentor

2023- Camille Flynn, Clinical Research Coordinator ² Medical Student, Saban Summer Research Fellowship, Faculty Mentor

2023- Ryan Ross, Clinical Research Coordinator → Medical Student, Research Mentor

2023- Vishal Patel, Medical Student, Research Mentor

2024- Andrew Barcnas, Medical Student, Research Mentor

2024- Jordan Gasho, Medical Student, Research Mentor

2024- Ashley Mulakaluri, Medical Student, Saban Summer Research Fellowship, Faculty Mentor

2024- David McCavitt, Medical Student, Saban Summer Research Fellowship, Faculty Mentor

2024-2025 Soroush Shabani, Medical Student, Deans Research Scholar, Faculty Mentor

2025- Noah Martinez, Medical Student, Saban Summer Research Fellowship, Faculty Mentor

2025- Jisun Chin, Medical Student, Saban Summer Research Fellowship, Faculty Mentor

2026- Rahki Banerjee, Medical Student, Research Mentor

POSTGRADUATE MENTORSHIP

2020-2021 Michael Jung, Orthopaedic Trauma Fellow, Fellowship and Research Mentor, Attending Physician (Orthopaedic Trauma), Geisinger Health Orthopaedic Institute and Northeast Orthopaedic Surgery Residency Program, Wilkes Barre, PA

2020-2022 Akhil Reddy, Orthopaedic Surgery Resident, Research and Faculty Mentor via Residency Mentor Program, Attending Physician (Orthopaedic Trauma), Advocate Health Advocate Good Samaritan Hospital, Downers Grove, IL

2020-2024 Ikenna Nwachuku, Orthopaedic Surgery Resident, Faculty Mentor via Residency Mentor Program, Attending Physician (Spine Surgery), Adventist Health, Glendale, CA

2020-2025 Haley Nakata, Orthopaedic Surgery Resident, Research Mentor, Attending Physician (Orthopaedic Trauma), Fellow (Hand Surgery), Duke Department of Orthopaedic Surgery, Durham, NC

2020- Cory Mayfield, Orthopaedic Surgery Resident, Research Mentor

2021-2022 Emily Mills, Orthopaedic Surgery Resident, Quality Improvement Project Faculty Mentor (maintenance intravenous fluid order sets for patients with isolated femur fractures)

2021-2022 Ashley Lamb, Orthopaedic Trauma Fellow, Fellowship and Research Mentor, Attending Physician (Orthopaedic Trauma), Community Memorial Healthcare and Orthopaedic Surgery Residency, Ventura, CA

- 2021- Jacob Ball, Orthopaedic Surgery Resident, Research and Faculty Mentor via Residency Mentor Program
- 2022-2023 Ian Hasegawa, Orthopaedic Trauma Fellow, Fellowship and Research Mentor, Attending Physician (Orthopaedic Trauma), Queens Medical Center and University of Hawaii Orthopaedic Residency Program, Honolulu, HI
- 2022- Brandan Sakka, Orthopaedic Surgery Resident, Research and Faculty Mentor
- 2022- Jorge Figueras, Orthopaedic Surgery Resident, Research and Faculty Mentor
- 2023-2024 Michael Allen, Orthopaedic Trauma Fellow, Fellowship and Research Mentor, Assistant Professor (Orthopaedic Trauma), University of California, Fresno, CA
- 2024-2025 Philip Grisdela, Orthopaedic Trauma Fellow, Fellowship and Research Mentor, Attending Physician (Orthopaedic Trauma), US Air Force, Camp Lejeune, NC
- 2024-2025 Garrett Maxwell, Orthopaedic Trauma Fellow, Fellowship and Research Mentor, Attending Physician (Orthopaedic Trauma), Hendrick Health, Abilene, TX
- 2024- Julian Wier, Orthopaedic Surgery Resident, Research and Faculty Mentor
- 2025- Jacob Becerra, Orthopaedic Surgery Resident, Research and Faculty Mentor
- 2025-2026 Elizabeth Duckworth, Orthopaedic Trauma Fellow, Fellowship and Research Mentor
- 2025-2026 Isaac Fernandez, Orthopaedic Trauma Fellow, Fellowship and Research Mentor

MENTORSHIP OF FACULTY

- 2023- Taylor Yong, Assistant Professor of Orthopaedic Surgery, Texas Tech Health El Paso, Department of Orthopaedic Surgery
- 2023- Nathanael Schaeffer, Clinical Instructor, Denver Health, Department of Orthopaedic Surgery
- 2023- Jonathan Copp, Clinical Instructor, University of Missouri Cox Health, Springfield, MO
- 2024- Sarah Blumenthal, Assistant Clinical Professor of Orthopaedic Surgery, Keck Medicine of USC

SERVICE

DEPARTMENT SERVICE

- 2014-2016 Playsafe Cardiac Physicals, University of California San Francisco
- 2018-2019 Orthopaedic Surgery Resident Selection Committee, Department of Orthopaedic Surgery, University of California San Francisco
- 2020- Orthopaedic Surgery Resident Selection Committee, Department of Orthopaedic Surgery, Keck School Medicine of USC
- 2020- Orthopaedic Trauma Fellow Selection Committee, Department of Orthopaedic Surgery, Los Angeles General Medical Center
- 2020-2022 Orthopaedic Trauma Faculty Search Committee, Department of Orthopaedic Surgery, Keck School Medicine of USC
- 2021-2023 Physician Assistant Hiring Committee, Los Angeles General Medical Center, Department of Orthopaedic Surgery
- 2022- Orthopaedic Surgery Residency Program Annual Evaluation Committee, Department of Orthopaedic Surgery, Keck School Medicine of USC
- 2022- Orthopaedic Surgery Residency Clinical Competency Committee, Department of Orthopaedic Surgery, Keck School Medicine of USC

- 2023-2024 Hand Faculty Search Committee, Department of Orthopaedic Surgery, Keck School Medicine of USC
- 2024- Residency Research Committee, Department of Orthopaedic Surgery, Keck School Medicine of USC
- 2024-2025 Arthroplasty Faculty Search Committee, Department of Orthopaedic Surgery, Keck School Medicine of USC

SCHOOL SERVICE

- 2011-2012 President, Orthopaedic Interest Group, Yale School of Medicine
- 2014-2019 Resident Mentor, Orthopaedic Interest Group, UCSF School of Medicine
- 2011-2012 Treasurer, Medical School Council, Yale School of Medicine
- 2020- Faculty Mentor, Orthopaedic Student Interest Group, Keck School of Medicine of USC
- 2021- Saban Summer Research Fellowship Faculty, Keck School Medicine of USC
- 2021- Medical Student Scholarly Project Faculty Mentor, Keck School Medicine of USC
- 2021-2022 USC MEDesign Faculty Mentor, Viterbi School of Engineering of USC
- 2022- Dornsife/Keck Shadowing Program, Keck School Medicine of USC
- 2024-2025 Deans Award for Excellence in Clinical Practice Committee, Keck School Medicine of USC

HOSPITAL OR MEDICAL GROUP SERVICE, INCLUDING QUALITY IMPROVEMENT

- 2020-2021 Inpatient Skeletal Traction Equipment Task Force, Keck Hospital of USC
- 2020-2021 Orthopaedic Trauma Perioperative Equipment Working Group, Keck Hospital of USC
- 2020-2022 Orthopaedic Surgery Transfers Working Group, Keck Hospital of USC
- 2021-2022 Orthopaedic ED Consult Radiology Order Sets, Quality Improvement Project, Los Angeles General Medical Center
- 2021-2022 Femur Fracture Resuscitation Fluids Order Sets, Quality Improvement Project, Los Angeles General Medical Center
- 2023-2024 Perioperative LEAN Task Force, Los Angeles General Medical Center
- 2024-2025 3D Fluoroscopic Imaging Capital Purchase Task Force, Keck Hospital of USC
- 2024- Perioperative Sustainability Working Group, Keck Hospital of USC

UNIVERSITY SERVICE

- 2010-2012 Full Member Committee 2, Institutional Review Board, Yale University

CONSULTANTSHIPS AND ADVISORY BOARDS

- 2023- Consultant, Johnson & Johnson/DePuy Synthes
- 2024- Consultant, Stryker
- 2024- Consultant, Globus Medical
- 2025- Consultant, Bodycad Laboratories
- 2025- Consultant, SiBone

PROFESSIONAL SOCIETY MEMBERSHIPS

- 2014- American Academy of Orthopaedic Surgeons
- 2015- AO Trauma North America
- 2017- Orthopaedic Trauma Association
- 2018- American Orthopaedic Association

- 2018- Consortium of Orthopaedic Academic Traumatologists
- 2021- Major Extremity Trauma Research and Rehabilitation Consortium
- 2022- Center for Orthopaedic Injury Research & Innovation
- 2022- Orthopaedic Research Society
- 2022- American College of Surgeons

PROFESSIONAL SERVICE

- 2018-2019 Member, Resident Research Committee, AAOS
- 2019 Member, Resident Education Task Force, AO Foundation
- 2020 Observer, Research Committee, AO Trauma North America
- 2022-2025 Member, OTA Podcast Subcommittee, OTA
- 2023-2025 Member, Research Mentoring Subcommittee, AO Trauma North America
- 2024-2026 Member, Research Committee, AO Trauma North America
- 2025- Member, Young Investigator Committee, METRC
- 2025-2028 Chair, Evidenced Based Quality Value and Safety (EBQVS) Committee, OTA
- 2025-2028 Member, Research Executive Committee, OTA
- 2025-2028 OTA Representative to Center for National Trauma Research (CNTR) Evidence-to-Practice Committee, CNTR
- 2025-2026 Presidential Consultant, OTA Podcast Subcommittee, OTA
- 2025-2026 Steering Committee, International Guidelines Task Force, OTA

PROFESSIONAL OUTREACH TO THE PUBLIC, INCLUDING ADVOCACY INITIATIVES

- 2010-2012 Social Worker, Haven Free Clinic: Primary Care, East Haven, CT
- 2017-2019 Member, Watermens' Alliance, Albion, CA
- 2020- Creator, Instagram. I develop and publish educational orthopaedic content for a patient and provider audience as @dr_joe_patterson

RESEARCH AND SCHOLARSHIP

CLINICAL TRIALS

- 2021-2023 Site Co-Primary Investigator, EMS-BIND
- 2022-2023 Adjudication Committee, PREPARE Closed Trial
- 2022-2023 Adjudication Committee, PREPARE Open Trial
- 2022-2023 Adjudication Committee, Aqueous-PREP Trial
- 2023-2025 Site Primary Investigator, Serum Protein-Based Indices for the Progression of Fracture Healing and Nonunion (UNION)
- 2023-2025 Site Primary Investigator, Topical Antibiotic Therapy to Reduce Infection After Operative Treatment of Fractures at High Risk of Infection (TOBRA)
- 2023-2026 Co-Primary Investigator, Fixation versus Arthroplasty for Fixation for Minimally Displaced Femoral Neck Fractures Pilot Trial (MDFN)
- 2023- Primary Investigator, Multicenter Randomized Controlled Trial Comparing Early Internal Fixation Versus NonOperative Care with Early Rehabilitation for LC1 Fragility Fractures of the Pelvis: A Pilot Study (PIVOT-LC1-Pilot)
- 2023- Primary Investigator, Pelvic binder stress radiography safety trial (PBR-safety)

- 2023- Site Primary Investigator, A Randomized Controlled Trial Comparing Antibiotic Cement Bead Pouch versus Negative Pressure Wound Therapy for the Management of Severe Open Tibia Fracture Wounds (BVV)
- 2025-2031 Primary Investigator, Fixation versus Arthroplasty for Fixation for Minimally Displaced Femoral Neck Fractures (FASTER-Hip)
- 2025- Steering Committee, Musculoskeletal Adaptive Platform Trial (MAPT)
- 2024-2029 Site Primary Investigator, RESELUTE ABX Nail Trial
- 2025-2031 Site Primary Investigator, Dual Implant versus Single Implant for Distal End (DISIDE) Trial
- 2025-2031 Site Primary Investigator, NO-OPIOID Trial
- 2025-2031 Patient & Stakeholder Advisory Board, Preference-Aligned Chronic Pain Treatment (PACT) Trial

EDITORSHIPS AND EDITORIAL BOARDS

- 2024- Associate Editor, Journal of Orthopaedic Trauma
- 2024- Deputy Editor, Orthopaedic Trauma, European Journal of Orthopaedic Surgery & Traumatology

MANUSCRIPT REVIEWS

- 2012 Consultant Reviewer, New England Journal of Medicine
- 2017-2019 Consultant Reviewer, Journal of Arthroplasty
- 2018-2019 Consultant Reviewer, Clinical Orthopaedics and Related Research
- 2018-2024 Consultant Reviewer, Journal of Orthopaedic Trauma
- 2020- Consultant Reviewer, Injury
- 2022 Consultant Reviewer, Trauma Surgery and Acute Care Surgery
- 2023- Consultant Reviewer, Journal of the American Academy of Orthopaedic Surgeons

GRANT REVIEWS:

- 2024- Patient Centered Outcomes Research Institute, Merit Reviewer
- 2024- AO Trauma North America, Merit Reviewer

GRANT SUPPORT - CURRENT:

- 2024-2025 US Department of Defense, PRORP W81XWH-22-1-0863
Randomized Controlled Trial Comparing Antibiotic Cement Bead Pouch Versus Negative-Pressure Wound Therapy for the Management of Severe Open Tibia Fracture Wounds (VVB)
Site PI (PI: Mark Gage), 1% effort, \$11,000 subaward direct costs
- 2024-2027 Orthopaedic Trauma Association Full Member Grant,
Pilot Randomized Controlled Trial Comparing Internal Fixation Versus Nonoperative Care of LC1 Pelvic Fragility Fractures Using Pelvic Binder Stress Radiography
PI, 1% effort, \$80,000 total direct costs
- 2025-2026 AO Trauma North America, Fellows Grant 171408-FEL2024

Longitudinal Relationships between Pain, Depression, and Anxiety in patients with lower extremity injuries
Primary mentor (PI: Philip Grisdela), 1% effort, \$5,000 total direct costs

2025-2031 Patient Centered Outcomes Research Institute, BPS-2024C1-37436
Arthroplasty versus Internal Fixation for Minimally Displaced Femoral Neck Fractures
PI, 20% effort, \$10,819,198 total direct costs

GRANT SUPPORT - PAST:

2015 UCSF CTSI Resident Research Training Program
Resident Research Travel Award
Presenting author (PI: Alan Zhang), N/A, \$800 total direct costs

2016-2017 James O. Johnston Foundation Resident Research Grant
Implants, Morbidity, and Costs in AO/OTA 31-A2 Hip Fractures Among Veterans
PI, N/A, \$5,000 in direct costs

2016-2017 NSF Industry/University Cooperative Research Program, 1361975
Wearable Activity Sensors and Patient Reported Outcomes in Total Hip Arthroplasty: A Nested RCT
Co-I (PI: Stefano Bini), N/A, \$20,000 in direct costs

2016 UCSF CTSI Resident Research Training Program
Resident Research Travel Award
Presenting author (PI: Saam Morshed), N/A, \$800 direct costs

2017-2018 Orthopaedic Research Education Foundation, Resident Research Project Grant 23659
Implants, Morbidity, and Costs in AO/OTA 31-A2 Hip Fractures Among Veterans
PI, N/A, \$5,000 in direct costs

2017-2018 NSF Industry/University Cooperative Research Program, 1361975
Validation of wearable sensor data in postsurgical patients using wearable sensors
Co-I (PI: Stefano Bini), N/A, \$20,000 in direct costs

2017 UCSF CTSI Resident Research Training Program
Resident Research Travel Award
Presenting author (PI: Albert Kuo), N/A, \$800 direct costs

2019 UCSF CTSI Resident Research Training Program
Resident Research Travel Award
Presenting author (PI: Saam Morshed), N/A, \$800 direct costs

2020-2022 AO Trauma North America, Young Investigator Research Development Award
171415-YIRDA2019
Cadaveric validation of pelvic binder stress radiography for assessing instability in lateral compression pelvic ring injury.

PI, 5% effort, \$30,000 total direct costs

- 2022-2023 US Department of Defense, PRORP W81XWH-16-2-0060
A Prospective Study of Early Mechanical Stabilization and Bleeding in Disruption of the Pelvic Ring (EMS BIND)
Site co-PI (PI: Joshua Gary), 1% effort, \$32,426 subcontract direct costs
- 2022-2023 AO Trauma North America, Fellows Grant
Is anterior pelvic ring internal versus external fixation associated with discharge destination and episode of care cost?
Primary mentor (PI: Ian Hasegawa), 1% effort, \$5,000 direct costs
- 2022-2024 AO Trauma North America, Early Career Development Award 171416-EC2022
Quantitative pelvic binder stress radiography for assessing instability in LC1 pelvic ring injury.
PI, 2% effort, \$30,000 total direct costs
- 2023-2024 AO Trauma North America, Fellows Grant 171408-FEL2023
Acetabular fracture performance score
Co-I, (PI: Michael Allen), 1% effort, \$5,000 direct costs
- 2024-2025 US Department of Defense, PRORP W81XWH-19-1-0848
Topical Antibiotic Therapy to Reduce Infection After Operative Treatment of Fractures at High Risk of Infection (TOBRA)
Site PI (PI: Robert O'Toole), 1% effort, \$11,613 subcontract direct costs
- 2024-2025 US Department of Defense, PRORP W81XWH-19-1-0796
Serum Protein-Based Indices for the Progression of Fracture Healing and Nonunion (UNION)
Site PI (PI: Louis Gerstenfeld), 1% effort, \$13,938
- 2022-2025 Orthopaedic Trauma Association Full Member Grant,
Arthroplasty versus Internal Fixation for Minimally Displaced Femoral Neck Fractures (MDFN Pilot)
Trial officer, site PI (PI: Gerard Slobogean), 1% effort, \$1,212 subaward direct costs

PATENTS AND PATENT APPLICATIONS:

- 2016 Breuer CK, Fahmy T, Simons M, Chen PY, Duncan DR, Patterson JT, inventors; Yale University, assignee. Compositions and method for treating and preventing neointimal stenosis. U.S. Patent 9,446,175 B2.
- 2024 Patterson JT, inventor; Globus Medical Inc., assignee. Femoral Neck Fracture Fixation Device. U.S. Non-provisional Patent Application US18/969,046.

INVITED AND CONTRIBUTED TALKS OUTSIDE USC

INTERNAL

2018 “Evolution of Intramedullary Nailing” Department of Orthopaedic Surgery, University of California San Francisco

2021 “Navigating the Start of an Academic Career in Orthopaedic Trauma” Fellows Forum, AO Trauma North America, Bonita Springs, FL

2021 “Young Femoral Neck Fractures” Orthopaedic Trauma Journal Club Webinar, AO Trauma North America

2022 “Transition to Mentored Investigation” Young Investigators Workshop, Center for Orthopaedic Injury Research & Innovation, Baltimore, MD

2022 “Acute and Definitive Internal Fixation of Pelvic Fractures” Pretzel Logic: Managing Devastating Pelvic Fractures Symposium, American College of Surgeons Clinical Congress, San Diego, CA

2022 “Pilon Fractures” LA Teaching Institution Summit, Stryker Trauma & Extremities Academic Courses, Redondo Beach, CA

2023 “Pelvic binder stress radiography (PBR) detects occult instability in LC1 pelvic fracture” Wilson Bost Interurban Society, Los Angeles, CA

2023 “Pilot studies” Young Investigators Workshop, Center for Orthopaedic Injury Research & Innovation, One AO Annual meeting, Santa Ana Pueblo, NM

2023 “Not Just a Femoral Neck Fracture: What to Do in the Young Patient,” OTA Annual Meeting, Seattle, WA

2023 “Complex Elbow Fracture Dislocations: Trans-olecranon Fracture Dislocations and Monteggia Variants” OTA Education Wednesdays Webinar

2023 “Calcaneus Fracture” LA Teaching Institution Summit, Stryker Trauma & Extremities Academic Courses, Redondo Beach, CA

2023 “Special Topics: Septic Tibial Nonunion” OTA Fracture Night in America Webinar

2024 “Evaluation, "stability", and treatment of lateral compression pelvic ring injuries” OTA Education Wednesdays Webinar

2024 “Top Six Papers in the Last Year That Will Change Your Practice in Foot and Ankle,” AAOS Annual Meeting, San Francisco, CA

2024 “Clinical Research – Disparities and Opioid Use,” Orthopaedic Research Society Annual Meeting, Long Beach, CA

2024 “Special Topics: Pelvis & Acetabulum” OTA Education Wednesdays Webinar

2024 “Fracture Related Infection” AO Link Webinar

2024 “Hemodynamically Unstable Pelvic Ring Injuries” OTA Education Wednesdays Webinar

2024 “Pilon: What would you do now?” Los Angeles Quarterly Trauma Meeting, Los Angeles, CA

2024 “Displaced Femoral Neck Fractures, Hip Fractures: Tips and Tricks for Successful Results” Western Orthopaedic Association Annual Meeting, Huntington Beach, CA

2024 “Femoral Neck: Open vs Closed Reduction” AO Trauma Fellows Webinar

2024 “The MDFN Trial” Department of Surgery, Methods Center, McMaster University

2025 “The Barely Broken Hip Fracture – What Do Our Patients Want?” Grand Rounds, Department of Orthopaedic Surgery, Keck School of Medicine of USC

2025 “OTA Programs for Early Career Clinicians and Research” OTA Annual Meeting, Phoenix, AZ

2026 “Femoral Neck Fractures in Middle-Aged Patients: What is the Best Treatment?” Instructional Course Lecture, AAOS Annual Meeting, New Orleans, LA

- 2026 “Ask an Expert: Trauma” Symposium Moderator, AAOS Annual Meeting, New Orleans, LA
- 2026 “How to Avoid Pitfalls and Improve Outcomes in Tibia Plateau Fractures?” Instructional Course Lecture, AAOS Annual Meeting, New Orleans, LA

CITATION METRICS (WEB OF SCIENCE)

H-index: 20 Citation count: 1345

PUBLICATIONS: * denotes trainees

There are no strict requirements on reference formatting. References can be in any style or format as long as the style is consistent. Where applicable, author name(s), journal title/book title, chapter title/article title, year of publication, volume number/book chapter and the article number or pagination must be present. Use of DOI is highly encouraged. Delete these instructions in your final CV.

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1. Griffin DR, **Patterson JT**, Kasko AM. Photodegradation as a mechanism for controlled drug delivery. *Biotechnology and Bioengineering*. 2010; 107(6):1012-1019. PMID: 20661910.
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2. Collins AP, Black LO, Porras J, **Patterson JT**, Blackwood N, Spittler CA, Farrel N, Beebe MJ, Falgons CG, Eastman JG, Eurich JT, Erdman MK, Zeller ZE, Tornetta P, Sajid MI, Mir HR, Firoozabadi R.

REFEREED CONFERENCE PROCEEDINGS:

REFEREED REVIEWS, CHAPTERS, AND EDITORIALS:

1. **Patterson JT**, Gilliland TC, Maxfield MW, Church S, Naito Y, Shinoka T, Breuer CK. Tissue-engineered vascular grafts for use in the treatment of congenital heart disease: from the bench to the clinic and back again. *Regenerative Medicine*. 2012; 7(3):409-419. PMID: 22594331.
2. **Patterson JT**, Tangtiphaiboonantana J, Pandya NK. Management of Pediatric Femoral Neck Fractures. *JAAOS*. 2018; 26(12): 4111-4119. PMID: 29781820.
3. Demetri L, Young C, **Patterson JT**, Kandemir U, Morshed S, Immerman I, Lee NH. Management of Metadiaphyseal Proximal Radius Fractures. *Techniques in Hand & Upper Extremity Surgery*. 2020; 25(3):156-164. PMID: 33231947.
4. **Patterson JT**, Morshed S. Systematic Reviews and Meta-Analysis. In: Orthopaedic Basic Science 5. 2020.
5. Kleweno C, Elliott I, **Patterson JT**. Sacral fractures. In: Master Techniques in Orthopaedic Surgery: Fractures 4th ed. 2020.
6. **Patterson JT**, Morshed S. Systematic Reviews, Meta-Analysis and Network Meta-Analysis. In: Evidence Based Orthopaedics 2nd ed. 2021.
7. **Patterson JT**, Dunbar RP. Tibial Shaft Fractures. In: Orthopaedic Knowledge Update 6th ed. 2022.
8. **Patterson JT**, Lieberman JR. Segmental Defect Repair and Nonunion. In: Orthobiologics: Scientific and Clinical Solutions for Orthopaedic Surgeons. 2023.
9. **Patterson JT**, Parry JA. Lateral Compression Fragility Fractures of the Pelvis: Diagnosis, Classifications, and Modern Management. *Curr Osteoporos Rep*. 2024;22(6):621-631. PMID: 39313717.
10. Gary JL, **Patterson JT**. Evaluation of the Trauma Patient. In: AAOS Comprehensive Orthopaedic Review 4th ed. 2024.
11. **Patterson JT**. Displaced femoral neck fracture in a young patient: should I perform an open reduction? *J Orthop Trauma*. 2025;39(1):28-30. PMID: 39670755.
12. **Patterson JT**, Kubiak EN. Tibial Shaft and Fibula Fractures. In: OTA FractureBook Online Textbook 1st ed. 2025.
13. J Wier, H Shelby, S Bergren, **JT Patterson**, JR Lieberman. Modern Approaches and Emerging Biological Therapies to Treat Fracture Nonunion. *Pharmaceutics*. 2025;17 (11):1457. PMID: 41304793.

CLINICAL COMMUNICATIONS: (CASE REPORTS, LETTERS)

1. **Patterson JT**, Jokl P, Katz LD, Lawrence DA, Smitaman E. Isolated avulsion fracture at the medial head of the gastrocnemius muscle. *Skel Rad*. 2014; 43(10):1491-1494. PMID: 24913555.
2. **Patterson JT**. Plate-Tensioned-Nail for Salvage of Failed Subtrochanteric Intramedullary Motorized Limb Lengthening: A Case Report. *JBJS Case Connector*. 2021; 11(4):e21. PMID: 34762607.
3. Chung P, Hasegawa IG, Duong AM, Shabani S, **Patterson JT**. Bilateral thigh compartment syndrome following intraoperative pelvic binder reduction of open pelvic fracture: a case report and review of literature. *Eur J Orthop Surg Traumatol*. 2024;34(8): 4133-8. PMID: 39240350
4. Rusu D, Shabani S, Dhandi S, Oakes D, **Patterson JT**. Retrograde Ischiopubic Ramus Screw Internal Fixation of a Periprosthetic T-type Acetabular Fracture: A Case Report. *JBJS Case Connect*. 2025;15(3)e25. PMID: 40705873.

NON-REFEREED ARTICLES AND REVIEWS, ON-LINE REVIEWS, LETTERS TO THE EDITOR:

1. **Patterson JT**, Morshed S. In Response: Letter to the Editor on "Open Reduction Is Associated With a Greater Hazard of Early Reoperation After Internal Fixation of Displaced Femoral Neck Fractures in Adults 18–65 Years." *J Orthop Trauma*. 2020; 34(11):e434. PMID: 33065671.
2. **Patterson JT**, Morshed S. Letter to the Editor concerning "Treatment Failure in Femoral Neck Fractures in Adults Less Than 50 Years of Age: Analysis of 492 Patients Repaired at 26 North American Trauma Centers." *J Orthop Trauma*. 2023;37(3):e139-140. PMID: 36513599.
3. **Patterson JT**, Giannoudis PV, Gary JL. Letter to the Editor: The State, Origins, and Future of the Art of Dynamic Pelvic Stress Examinations. *J Orthop Trauma*. Online ahead of print 11 November 2025.

BOOKS, MONOGRAPHS, AND TEXTBOOKS:

1. **Patterson JT**. A Novel Controlled Release Platform for *In Situ* Vascular Tissue Engineering. *Yale Medicine Thesis Digital Library*. 2014;1913.
2. **Patterson JT**. Filler photo, *New England Journal of Medicine*, Boston, MA
3. **Patterson JT**. Cover art, *Murmurs Creative Journal*, Vol. I, Yale School of Medicine, New Haven, CT. <http://yalemurmurs.squarespace.com/featured/>

ORAL PRESENTATION ABSTRACTS:

1. **Patterson JT**, Dey D. Pericardiac fat quantified from non-contrast CT and the metabolic syndrome as predictors of myocardial ischemia. Oral presentation at CSMC CIRT-SIP Research Day, Los Angeles, CA. 2007 Aug 12.
2. Kasko AM, Wong DY, Griffin DR, **Patterson JT**, Reed J. Chemical and physical patterning of poly (ethylene glycol) hydrogels in 2D and 3D via photodegradation. Oral presentation, 240th meeting of the American Chemical Society. Boston, MA. 2010 August 22.
3. Halim A, **Patterson JT**, Dodds SD. Case Series: Volar Plate Fixation of Recalcitrant Scaphoid Nonunions with Volar Carpal Artery Vascularized Bone Graft. Oral presentation by at International Wrist Investigator's Workshop. San Francisco, CA. 2013 October 3.
4. **Patterson JT**, Fishler T, Bohl DD, Leslie MP. Clinical indications for CT angiography in lower extremity trauma. Oral presentation, Orthopaedic Trauma Association Meeting. Tampa, FL. 2014 October 17.

5. **Patterson JT**, Bohl DD, Basques BA, Arzeno AH, Grauer JN. Does preoperative pneumonia affect complications after geriatric hip fracture surgery? Oral presentation, 16th Annual Pacific Coast ORS/OREF Resident Research Symposium. San Francisco, CA. 2014 October 31.
6. Bohl DD, Lese AB, **Patterson JT**, Grauer JN, Dodds SD. Follow-up radiographs after operative repair of distal radius and scaphoid fractures. Oral presentation by Dodds SD, 42nd Annual Meeting of the New England Hand Society. Sturbridge, MA. 2014 Dec 5.
7. **Patterson JT**, Coughlin RR, Morshed S. Lower extremity amputations in SIRS/Sepsis: surgical specialty and 30-day outcomes. Oral presentation at UCSF Dept. of Surgery Resident Research Day, San Francisco, CA. 2015 Mar 3.
8. **Patterson JT**, Sing DC, Hansen EN, Tay B, Zhang A. Beyond 30 days: disparities between NSQIP, United Healthcare, and Medicare claims data for total knee and total hip arthroplasty. Oral presentation and 2nd Place Resident Paper Presentation Award at Inman Abbott Society Annual Meeting, San Francisco, CA. 2016 May 12-13.
9. **Patterson JT**, Sing DC, Theologis A, Tay B. Anterior Versus Posterior Approaches for Surgical Odontoid Stabilization in Patients over 65 Years: 30-Day Morbidity and Mortality in a National Database. Oral presentation, Outstanding Resident Research Award at UCSF CTSI Resident Research Symposium for Clinical and Translational Research, San Francisco, CA. 2015 May 27.
10. Sing DC, Aguilar T, Barry JJ, **Patterson JT**, Theologis AA, Tay B, Hansen EN. Prior Lumbar Spinal Arthrodesis Increases Prosthetic-Related Complications and Revision Surgery in Primary Total Hip Arthroplasty. Oral presentation, American Association of Hip and Knee Surgeons Annual Meeting, Dallas, TX. 2015 November 5-8.
11. **Patterson JT**, Sing DC, Hansen EN, Tay B, Zhang A. Claims versus Registry: Capturing Outcomes in Total Joint Arthroplasty. Oral presentation, Western Orthopaedic Association Annual Meeting, Indian Wells, CA. 2016 September 28-31.
12. **Patterson JT**, Sing DC, Hansen EN, Tay B, Zhang A. Administrative Claims versus Surgical Registry: Data Source and Outcome Disparities in Total Joint Arthroplasty. Oral presentation, James A. Rand Young Investigator Award at American Association of Hip and Knee Surgeons Annual Meeting, Dallas TX. 2016 November 10-13.
13. **Patterson JT** on behalf of the Orthopaedic Trauma Research Consortium Investigators. Open Reduction is Associated with Greater Reoperation after Internal Fixation of Displaced Femoral Neck Fractures in Adults 18-65 Years. Oral presentation, Inman Abbott Society Annual Meeting, San Francisco, CA. 2017 May 12.
14. **Patterson JT**, Morshed S. Chemoprophylaxis for venous thromboembolism in operative treatment of fractures of the tibia and distally: a systematic review and meta-analysis. Oral presentation, Inman Abbott Society Annual Meeting, San Francisco, CA. 2017 May 13.
15. **Patterson JT**, Morshed S. Chemoprophylaxis does not Prevent Clinically Important VTE after Fracture Surgery Below the Knee: a systematic review and meta-analysis. Oral presentation, Western Orthopaedic Association Annual Meeting, Poipu, HI. 2017 August 5.
16. Grace T, Tangtiphaibontana J, **Patterson JT**, Vail TP, Ward DS. Hip Fractures and the Bundle: A Cost Analysis of Patients Treated with Total Hip Replacement for Femoral Neck Fracture versus Degenerative Joint Disease. Oral presentation by Vail TP at Hip Society Summer Meeting. Omaha, NE, 2017 October 5.
17. **Patterson JT**, Orthopaedic Trauma Research Group Investigators. Open Reduction is Associated With Greater Propensity-Stratified Hazard of Reoperation After Internal Fixation of

- Femoral Neck Fractures in Adults 18-65 Years of Age. Oral presentation, Orthopaedic Trauma Association Annual Meeting. Vancouver, BC, 2017 October 14.
18. **Patterson JT**, Morshed S. Chemoprophylaxis for Venous Thromboembolism in Operative Treatment of Fractures of the Tibia and Distally: A Systematic Review and Meta-analysis. Oral presentation, American Academy of Orthopaedic Surgeons Annual Meeting. New Orleans, LA, 2017 March 8.
 19. **Patterson JT**, Boakes J. Management of overgrowth after in situ pinning of slipped capital femoral epiphysis in a very young child. Oral presentation, R. Kirklin Ashley Lectureship, Sacramento, CA. 2018 May 1.
 20. **Patterson JT** on behalf of Cheah JC, Vora M, Sing D, Yi P, Zhang J, Li X. Hypoalbuminemia is a Risk Factor for Predicting Early Postoperative Complications after Proximal Humerus Fracture Fixation. Oral presentation, Inman Abbott Society Annual Meeting, San Francisco, CA. 2018 May 10.
 21. **Patterson JT**, Takemoto S, Shearer DW, Kuo AC. A Bottom Line on Cephalomedullary Nail vs. Sliding Hip Screw Fixation for Pertrochanteric Hip Fractures in US Veterans. 2nd Place Resident Paper Award and oral presentation, Inman Abbott Society Annual Meeting, San Francisco, CA. 2018 May 10.
 22. **Patterson JT**, Morshed S. Chemoprophylaxis for Venous Thromboembolism in Operative Treatment of Fractures of the Tibia and Distally: A Systematic Review and Meta-analysis. Oral presentation and Outstanding Resident Research Award, CTSI Resident Research Symposium, San Francisco, CA. 2018 June 11.
 23. **Patterson JT**, Takemoto S, Shearer DW, Kuo AC. Nail versus Plate: No Difference in Hip Fracture Episode Cost. Oral presentation, Western Orthopaedic Association Annual Meeting, Snowmass, CO. 2018 August 2.
 24. **Patterson JT**, Tillinghast K, Ward DT. Resources and Complications in Primary Total Arthroplasty for Dialysis Patients. Oral presentation, Western Orthopaedic Association Annual Meeting, Snowmass, CO. 2018 August 2.
 25. **Patterson JT** on behalf of Jain D, Singh P, Kardile M, Berven SH. A Preoperative Score for Predicting 30-Day Readmission after Elective 1-2 Level Posterior Lumbar Spinal Fusion. Jeffrey Krygier Resident Travel Grant Award oral presentation, Western Orthopaedic Association Annual Meeting, Snowmass, CO. 2018 August 3.
 26. **Patterson JT**, Roddy E, Kandemir U. Delay of Antibiotics Greater than Two Hours Predicts Surgical Site Infection in Open Fractures. Oral presentation, American Academy of Orthopaedic Surgeons Annual Meeting, Las Vegas, NV. 2019 March 13.
 27. Bendich I, Takemoto S, **Patterson JT**, Monto A, Barber T, Kuo AC. Preoperative treatment of Hepatitis C is associated with lower prosthetic joint infection rates in US Veterans. Meeting Highlight Paper Award and oral presentation, American Academy of Orthopaedic Surgeons Annual Meeting, Las Vegas, NV. 2019 March 15.
 28. **Patterson JT**, Barry JJ, Hwang, K, Mulvihill J, Pitcher AA, Bendich I, Bini S. Wearable Tracker Stratifies Patients by Activity Level After Total Joint Arthroplasty: A Pilot Study. 3rd Place Resident Paper Award and oral presentation, Inman Abbott Society Annual Meeting, San Francisco, CA. 2019 May 10.
 29. Bendich I, Takemoto S, **Patterson JT**, Monto A, Barber T, Kuo AC. Preoperative treatment of Hepatitis C is associated with lower prosthetic joint infection rates in US Veterans. Oral presentation, Inman Abbott Society Annual Meeting, San Francisco, CA. 2019 May 10.

30. **Patterson JT**, Roddy E, Kandemir U. Delay of Antibiotics Greater than Two Hours Predicts Surgical Site Infection in Open Fractures. Oral presentation, CTSI Resident Research Symposium, San Francisco, CA. 2019 May 13.
31. **Patterson JT**, Albright PD, Jackson JH, Eliezer EN, Haonga BT, Morshed S, Shearer DW. Social and Injury Factors Predict Loss to Follow-up after Surgical Management of Lower Extremity Fractures in Tanzania. Oral presentation by BT Haonga at College of Surgeons of East, Central and Southern Africa Annual Scientific Conference. Kampala, Uganda. 6 December 2019.
32. Wier J, Tucker D, Chung B, Heckmann N, **Patterson JT**. Postoperative Complications of Traumatic Acetabular Fractures with Associated Exploratory Laparotomy. Oral presentation by J Wier at Western Orthopaedic Association Annual Meeting, Coeur d'Alene, ID. 4 August 2021.
33. Mohammad S, **Patterson JT**, Stevanovic M. (2022, November 2). Free Vascularized Fibula Autograft for Clavicle Nonunion. American Society for Surgery of the Hand, Hand-e Video Theater. <https://www.assh.org/hande/s/watch?id=aBP5b000000AQC4GAO>.
34. Wier J, Gary JL, **Patterson JT**. Preperitoneal Pelvic Packing is Associated with a Greater Risk of Venous Thromboembolism than Angioembolization for Refractory Hypotension in Closed Pelvic Ring Injury. Oral presentation by J Wier at American Academy of Orthopaedic Surgeons Annual Meeting, Las Vegas, NV. 10 March 2023.
35. Kutzler M, **Patterson JT**, Anz H, Warner S, Gary JL. Titanium vs. Stainless Steel Alloy Bridge Plates for Distal Femur Fractures: Does Callus Form Earlier with Titanium? Oral presentation by M Kutzler at American Academy of Orthopaedic Surgeons Annual Meeting, Las Vegas, NV. 10 March 2023.
36. Gitajn IL; Werth P; Fernandes E; Sprague S; O'Hara NN; Bzovsky S; Marchand LS; **Patterson JT**; Lee C; Slobogean GP. Association of Patient-Level and Hospital-Level Factors With Timely Fracture Care by Race. Oral presentation by IL Gitajn at American Academy of Orthopaedic Surgeons Annual Meeting, Las Vegas, NV. 11 March 2023.
37. **Patterson JT**, Mayfield CK, Gary JL, Chung P, Hasegawa IG, Becerra JA. Pelvic binder stress radiography (PBR) detects occult instability in LC1 pelvic fracture. Oral presentation at Wilson Bost Inter-urban Society Meeting, Los Angeles, CA. 14 April 2023.
38. **Patterson JT**, Becerra JA, Brown M, Roohani I, Zalavras C, Carey JN. Antibiotic bead pouch versus negative pressure wound therapy at initial management of AO/OTA 42 type IIIB open tibia fracture. Oral presentation at UCSF Inman Abbott Symposium, San Francisco, CA. 12 May 2023.
39. De Maria Prieto JM, Szasz OP, Bzovsky S, Farfan EG, Axelrod D, Slobogean D, Sprague S, **Patterson JT**. When Do Orthopaedic Surgeons Perform Arthroplasty for Minimally Displaced Femoral Neck Fractures? De Maria Prieto JM, Patterson JT. When do surgeons perform arthroplasty for minimally displaced femoral neck fractures? First place oral presentation by JM De Maria Prieto at MacOrtho Graduate Research Rounds, Hamilton, Ontario. 22 June 2023.
40. Ihn H, Chung BC, Lovro L, Chen XT, Tucker D, White E, Hwang D, **Patterson JT**, Christ AB, Heckmann ND. The cotyloid fossa is a reliable intra-articular landmark to void vascular injury during transacetabular screw fixation: a 3D computed tomography study. Oral presentation by H Ihn at USC Resident Research Day, Los Angeles, CA. 23 June 2023.
41. Reddy A, Becerra JA, Hernandez F, **Patterson JT**. Disparities in access and use of surgical care for AO/OTA 44B2 unstable bimalleolar ankle fractures. Oral presentation by A Reddy at USC Resident Research Day, Los Angeles, CA. 23 June 2023.

42. Wier J, Firoozabadi R, **Patterson JT**. Body Mass Index Predicts Early Complications After Acetabular Fracture. Oral presentation by J Wier at Western Orthopaedic Association Annual Meeting, Coeur d'Alene, ID. 5 August 2023.
43. Wier J, Firoozabadi R, **Patterson JT**. Cirrhosis is Associated with Complications After Operatively Treated Acetabular Fractures. Oral presentation by J Wier at Western Orthopaedic Association Annual Meeting, Coeur d'Alene, ID. 5 August 2023.
44. **Patterson JT**, Mayfield CK, Duong A, Gary JL, Chung P, Hasegawa IG, Becerra JA. Pelvic Binder Radiography Detects Occult Instability in Cadaveric Simulated Lateral Compression Type I (LC1) Pelvic Ring Injuries. New technique presentation at Orthopaedic Trauma Association Annual Meeting, Seattle, WA. 18-21 October 2023.
45. **Patterson JT**, De Maria Prieto JM, Szasz OP, Bzovsky S, Farfan EG, Axelrod D, Slobogean D, Sprague S. When Do Orthopaedic Surgeons Perform Arthroplasty for Minimally Displaced Femoral Neck Fractures? Oral presentation at Orthopaedic Trauma Association International Trauma Care Forum, Seattle, WA. 18 October 2023.
46. Slobogean G, **PREP-IT Investigators**. PREPARE-Open: A Pragmatic Randomized Trial Evaluating Preoperative Alcohol Skin Solutions in Open Fractured Extremities. Chair's Choice Award and Oral presentation at Orthopaedic Trauma Association Annual Meeting, Seattle, WA. 19 October 2023.
47. Sprague S, **PREP-IT Investigators**. PREPARE-Closed: A Pragmatic Randomized Trial Evaluating Preoperative Alcohol Skin Solutions in Closed Fractured Extremities. Chair's Choice Award and Oral presentation at Orthopaedic Trauma Association Annual Meeting, Seattle, WA. 19 October 2023.
48. Rusu D, Duong A, Satish VL, Yang M, Mayer L, **Patterson JT**. Subchondral Rafting Wires May Prevent Tibial Plateau Fracture Subsidence. Oral presentation at Western Medical Research Conference, Carmel, CA. 18-20 January 2024.
49. Gerstenfeld LC, Demissie S, Kim R, Azario R, Lowe J, O'Toole RV, Weiss DB, Matuszewski P, Patterson JT, Hanson G, Warner S, Gary JL, Natoli R, Castillo R, Tornetta III P, Major Extremity Trauma Research Consortium Use Of The Human Serum Proteome To Assess The Progression Of Fracture Healing. Oral presentation at Orthopaedic Research Society Annual Meeting, Los Angeles, CA. 2-6 February 2024.
50. **Patterson JT**, Mayfield CK, Duong A, Gary JL, Chung P, Hasegawa IG, Becerra JA. Pelvic Binder Radiography Detects Occult Instability in Cadaveric Simulated Lateral Compression Type I (LC1) Pelvic Ring Injuries. Oral presentation at Orthopaedic Research Society Annual Meeting, Los Angeles, CA. 2-6 February 2024.
51. Duong AM, Patel VS, **Patterson JT**. Autograft Harvest with Reamer-Irrigator-Aspirator System Versus Acetabular Reamer. Oral presentation at One AO Inaugural Congress 2024, Phoenix, AZ. 4-7 April 2024.
52. **Patterson JT**, Hasegawa IG, Sakka B, Duong AM, Ding L, Wong MD, Gary JL. Anterior internal versus external of unstable pelvis fractures is not associated with ICU days, ventilator days, hospital length of stay, discharge destination, or hospital charges. Oral presentation at One AO Inaugural Congress 2024, Phoenix, AZ. 4-7 April 2024.
53. Duong AM, Telang S, Daniel R, Heckmann N, **Patterson JT**. Operative versus Nonoperative Management of Low Velocity Ballistic Traumatic Arthroplasty. Oral presentation at One AO Inaugural Congress 2024, Phoenix, AZ. 4-7 April 2024.

54. Satish V, Duong AM, Rusu D, Yang M, Hasegawa IG, Allen M, Sakka B, Firoozabadi R, Gary JL, **Patterson JT**. CT Scanner Table Curvature Conceals Occult Contralateral Posterior Pelvic Ring Injury. Oral presentation at One AO Inaugural Congress 2024, Phoenix, AZ. 4-7 April 2024.
55. Duong AM, Patel V, Satish V, **Patterson JT**. Autograft Harvest with Reamer-Irrigator-Aspirator Versus Acetabular Reamer. Rapid-fire oral presentation at Western Orthopaedic Association Annual Meeting, Huntington Beach, CA. 8 August 2024.
56. Duong AM, Rusu D, Telang S, Heckmann ND, **Patterson JT**. Operative Management of LC1 Pelvic Fractures Increased From 2003 to 2018. Rapid-fire oral presentation at Western Orthopaedic Association Annual Meeting, Huntington Beach, CA. 8 August 2024.
57. Sakka BI, Hasegawa IG, Duong AM, Wong MD, Gary JL, **Patterson JT**. Anterior Internal vs. External Fixation Outcomes in Unstable Pelvic Fractures. Oral presentation at Western Orthopaedic Association Annual Meeting, Huntington Beach, CA. 8-10 August 2024.
58. Cruz JP, Michaud JB, Van Rysselberghe NL, Walsh DJ, Svetgoff RA, Bailey RP, Bhattacharjee S, Megerian MF, Harbison GJ, Becerr, JA, Sakka BI, Vega AN, Bohlen HL, Holloway A, Finlay AK, Scolaro JA, **Patterson JT**, Campbell ST, Hebert-Davies J, Warner SJ, Goodnough LH, Bishop JA, Gardner MJ. Outcomes of Isolated Medial Tibial Plateau Fractures by Fracture Morphology. Rapid-fire oral presentation at Western Orthopaedic Association Annual Meeting, Huntington Beach, CA. 8 August 2024.
59. Patel VS, Yang M, Duong AM, **Patterson JT**. Operative versus Nonoperative Management of Low Velocity Ballistic Traumatic Arthrotomy. Oral presentation at Western Orthopaedic Association 2024, Huntington Beach, CA. 7-10 August 2024.
60. Wier J, Jones IJ, Telang S, Duong AM, **Patterson JT**. Neutrophil-Lymphocyte Ratios Predict Optimal Surgical Timing after Femoral Neck Fracture. Rapid Fire Presentation at the Western Orthopedic Association, Huntington Beach, CA. 7-10 August 2024.
61. Wier J, Duong AM, Hasegawa I, Gary JL, **Patterson JT**. Early External Fixation of Tibial Plateaus Increases Compartment Syndrome Rates. Poster at Western Orthopedic Association, Huntington Beach, CA. 7-10 August 2024.
62. **Patterson JT**, Parry JA, Working ZM, McKibben NA, Baca J, Duong A, Senior J, Kim A, Marchand LS, O'Hara NN. Discrete Choice Experiment: Patient Preferences for LC1 Pelvis Fracture Treatment. Podium oral presentation and Young Investigator Award at Western Orthopaedic Association Annual Meeting, Huntington Beach, CA. 8 August 2024.
63. **Patterson JT**, Duong AM, Flynn CM, Kim A, Inaba K, Reddy S, Blumenthal S, Gary JL. Pelvic Binder Radiography Is Safe, Feasible And Effective For Quantifying Fracture Instability In LC1 Pelvis Fractures: A Clinical Trial. Oral Quick-Shot at American College of Surgeons Clinical Congress, San Francisco, CA. 21 October 2024.
64. Duong AQ, Bui R, Iyer A, **Patterson JT**. Obturator Foramen Safe Zone For Pubic Symphysis Cable Cerclage. Quick-Shot Oral Presentation at American College of Surgeons Clinical Congress, San Francisco, CA. 21 October 2024.
65. Duong AQ, Rusu D, Telang S, Heckmann N, **Patterson JT**. Operative Management Of Lateral Compression Type 1 Pelvic Fractures Increased With Decreased Length Of Stay And Mortality From 2003 To 2018. Quick-Shot Oral Presentation at American College of Surgeons Clinical Congress, San Francisco, CA. 21 October 2024.
66. **OTR Investigators**. Operative treatment of stress-positive lateral compression type 1 pelvic ring injuries results in improved odds of independent ambulation and survival: A multicenter retrospective propensity-matched analysis. Oral presentation at Orthopaedic Trauma Association Annual Meeting, Seattle, WA. 19 October 2024.

67. **Patterson JT**, Duong AM, Flynn C, Kim A, Inaba K, Reddy S, Blumenthal S, Gary JL. Pelvic binder radiography is safe, feasible and effective for quantifying fracture instability in LC1 pelvis fractures: a clinical trial. Podium oral presentation at Orthopaedic Trauma Association Annual Meeting, Montreal, Canada. 23-26 October 2024.
68. **Patterson JT**, Duong AM. Plate-tensioned nail for subtrochanteric nonunion. New Techniques and Emerging Evidence presentation at Orthopaedic Trauma Association Annual Meeting, Montreal, Canada. 23-26 October 2024.
69. Wier J, Duong A, Ian JA, Heckmann ND, **Patterson JT**. Neutrophil-Lymphocyte Ratios Predict Optimal Surgical Timing in Patients Undergoing Hemiarthroplasty for Femoral Neck Fracture. Oral presentation at Orthopaedic Trauma Association Annual Meeting, Montreal, Canada. 23-26 October 2024.
70. **PREP-IT Investigators**. Aqueous versus alcohol-based skin antisepsis before surgical fixation of open fractures: A PREP-IT individual patient meta-analysis. Oral presentation at Orthopaedic Trauma Association Annual Meeting, Montreal, Canada. 23-26 October 2024.
71. **PREP-IT Investigators**. Is radiation therapy for heterotopic ossification prophylaxis associated with infection or reoperation after acetabular surgery? Oral presentation at Orthopaedic Trauma Association Annual Meeting, Montreal, Canada. 23-26 October 2024.
72. **PREP-IT Investigators**. Timing of flap coverage: What matters most – injury-to-flap or definitive-fixation-to-flap? Oral presentation at Orthopaedic Trauma Association Annual Meeting, Montreal, Canada. 23-26 October 2024.
73. **PREP-IT Investigators**. Is living in a food desert associated with risk of complication after fracture surgery? Oral presentation at Orthopaedic Trauma Association Annual Meeting, Montreal, Canada. 23-26 October 2024.
74. **PREP-IT Investigators**. Majority of deep infections after open and closed fracture are polymicrobial Oral presentation at Orthopaedic Trauma Association Annual Meeting, Montreal, Canada. 23-26 October 2024.
75. **PREP-IT Investigators**. Infection and nonunion rates in open fractures: description of over 5,750 fractures from the FLOW and PREP-IT studies. Oral presentation at Orthopaedic Trauma Association Annual Meeting, Montreal, Canada. 23-26 October 2024.
76. **PREP-IT Investigators**. Chlorhexidine bathing does not reduce surgical site infections after operative fixation. Oral presentation at Orthopaedic Trauma Association Annual Meeting, Montreal, Canada. 23-26 October 2024.
77. **PREP-IT Investigators**. What matters most – injury-to-flap or definitive-fixation-to-flap? Oral presentation at Orthopaedic Trauma Association Annual Meeting, Montreal, Canada. 23-26 October 2024.
78. **PREP-IT Investigators**. Higher re-operation rates in planned staged treatment of less severe open fractures compared to fix-and-close: a propensity score matched analysis. Oral presentation at Orthopaedic Trauma Association Annual Meeting, Montreal, Canada. 23-26 October 2024.
79. **PREP-IT Investigators**. Does initial antibiotic choice for open fractures affect outcomes? Oral presentation at Orthopaedic Trauma Association Annual Meeting, Montreal, Canada. 23-26 October 2024.
80. **PREP-IT Investigators**. Do local antibiotics lead to antimicrobial resistance in fracture-related infection? Oral presentation at Orthopaedic Trauma Association Annual Meeting, Montreal, Canada. 23-26 October 2024.

81. Cruz JP, Michaud JB, Van Rysselberghe NL, Walsh DJ, Svetgoff RA, Bailey RP, Bhattacharjee S, Megerian MF, Harbison GJ, Becerr, JA, Sakka BI, Vega AN, Bohlen HL, Holloway A, Finlay AK, Scolaro JA, **Patterson JT**, Campbell ST, Hebert-Davies J, Warner SJ, Goodnough LH, Bishop JA, Gardner MJ. Outcomes of Isolated Medial Tibial Plateau Fractures by Fracture Morphology. Oral presentation at Orthopaedic Trauma Association Annual Meeting, Montreal, Canada. 23-26 October 2024.
82. **Patterson JT**, Hasegawa IG, Sakka B, Duong AM, Wong M, Ding L, Collins AP, Firoozabadi R, Gary JL. Anterior internal of unstable pelvis fractures compared with external fixation was associated with home discharge, shorter length of stay, and lower hospital charges. Oral presentation at Society of Military Orthopaedic Surgeons Annual Meeting, Nashville, TN. 12 December 2024.
83. Kumaran P, Wier J, Patterson JT, Gary JL. Combined anterior fixation reduces postoperative pain and promotes earlier mobilization in lateral compression type 1 and 2 pelvic ring disruptions treated with posterior screw fixation. Oral Presentation at American Academy of Orthopedic Surgery Annual Meeting, San Diego, CA, 2025 Mar 13.
84. Grisdela P, Shabani S, Maxwell G, Carlini M, O'Toole R, Castillo R, Gary J, Patterson JT and METRC. Pain and Baseline Physical Function Predict Physical Function at One Year After Severe Extremity Trauma. Oral presentation at AO Fellow's Forum, Park City, UT. 7 June 2025.
85. McCavitt D, Shabani S, **Patterson JT**. ChatGPT-4o mini Fabricates and Miscites Evidence for AAOS Hip Fracture Clinical Practice Guidelines. Rapid Fire Oral Presentation at Western Orthopaedic Association Annual Meeting, Koloa, HI, 30 July 2025.
86. Kumaran P, Wier J, **Patterson JT**, Lee J, Marecek G, Lee A, Gary JL. "Does the addition of percutaneous anterior pelvic ring fixation to percutaneous posterior pelvic ring fixation decrease early postoperative pain and narcotic usage for LC1 and LC2 injuries?" Podium presentation at Western Orthopedic Association, Kauai, HI 30 July -2 August 2025.
87. Avetisian H, Abdou M, Karakash W, Gallo M, **Patterson JT**, Wang J, Hah R, Alluri R. Can ChatGPT Write Orthopaedic Surgery Personal Statements? Rapid Fire Oral Presentation at Western Orthopaedic Association Annual Meeting, Koloa, HI, 30 July 2025.
88. Ross R, Mulakaluri A, Duong AM, Shabani S, Patel V, Satish V, Allen DO, **Patterson JT**. Autogenous Anterior Iliac Crest Bone Graft Harvesting with Acetabular Reamers. OTA Video Theater at Orthopaedic Trauma Association Annual Meeting, Phoenix, AZ. 15-18 October 2025.
89. Grisdela P, Shabani S, Maxwell G, Carlini M, O'Toole R, Castillo R, Gary J, **Patterson JT** and METRC. Pain and Baseline Physical Function Predict Physical Function at One Year After Severe Extremity Trauma (Poster Presentation). Orthopaedic Trauma Association 41st Annual Meeting, Phoenix, Arizona. October 16-18, 2025.
90. **Patterson JT**, Hasegawa IG, Sakka B, Collins AP, Shabani S, Duong AM, Ding L, Wong MD, Firoozabadi R, Gary JL. Internal vs external fixation of the anterior ring in unstable pelvic fractures was associated with discharge to home. Podium oral presentation at Orthopaedic Trauma Association Annual Meeting, Phoenix, AZ. 16 October 2025.
91. Collinge CA, Will J, Mitchell P, Beltran M, Rodriguez-Buitrago, Finlay A, Archdeacon M, Tornetta P, Gardner MJ, Mir HR, **Young Hip Fracture Group**. Effects of Smith-Peterson Open vs. Closed Reduction on Major Complications for Femoral Neck Fractures in Patients Less than 50 Years of Age Undergoing Repair. Podium oral presentation at Orthopaedic Trauma Association Annual Meeting, Phoenix, AZ. 17 October 2025.

92. Wahle C, Anoushiravani A, Kakulamari S, **Patterson JT**, Collinge C, Morshed S. Treatment-center Variations in Open versus Closed Reduction for Non-elderly Femoral Neck Fractures. Podium oral presentation at AAOS Annual Meeting, New Orleans, LA. 3 March 2025.

POSTER ABSTRACTS:

1. **Patterson JT**, Daniel DR, Cleary M, Fadel T, Sharp F, Yi T, Fahmy T, Breuer CK. Local modulation of TGF- β 1 signaling prevents critical stenosis in a small-diameter tissue engineered vascular graft. Poster presentation at Yale School of Medicine Student Research Day, New Haven, CT. 2012 May 8.
2. Lese A, Bohl DD, **Patterson JT**, Grauer JN, Dodds SD. Assessment of Routine Imaging Practices After Operatively Repaired Distal Radius and Scaphoid Fractures. e-Poster at American Association for Hand Surgery 2015 Annual Meeting. Paradise Island, Bahamas. 2015 Jan 21-24.
3. Bohl DD, Lese AB, **Patterson JT**, Grauer JN, Dodds SD. Can History and Physical Detect Loss of Reduction after Operative Repair of Distal Radius Fractures? e-Poster at American Association for Hand Surgery 2015 Annual Meeting. Paradise Island, Bahamas. 2015 Jan 21-24.
4. **Patterson JT**, Sing DC, Tay B, Theologis AA. Anterior versus posterior approaches for surgical odontoid stabilization in patients over 50 years: 30-day morbidity and mortality. e-Poster presentation at North American Spine Society Annual Meeting 2015, Chicago, IL. 2015 October 14-17.
5. Sing DC, Aguilar T, Barry JJ, **Patterson JT**, Theologis AA, Tay B, Hansen EN. Prior Lumbar Spine Fusion Increases Prosthetic-Related Complications Following Total Hip Arthroplasty: Cross-Sectional Analysis of 811,601 Patients. Poster presentation at Pan Pacific Orthopaedic Congress Annual Meeting, Kona, HI. 2015 July 22-25.
6. **Patterson JT**, Sing DC, Theologis A, Tay B. Anterior Versus Posterior Approaches for Surgical Odontoid Stabilization in Patients over 65 Years: 30-Day Morbidity and Mortality in a National Database. Poster presentation at Orthopaedic Trauma Association Annual Meeting, National Harbor, MD. 2016 October 8.
7. Grace T, **Patterson JT**, Tangtiphaiboonjana J, Krogue JD, Vail TP, Ward DT. Hip Fractures and the Bundle: A Cost Analysis of Patients Undergoing Hip Replacement for Femoral Neck Fracture versus Degenerative Joint Disease. Poster presentation at CTSI Resident Research Symposium, San Francisco, CA. 2018 June 11.
8. **Patterson JT** on behalf of Jain D, Berven SH, Carter J, Zhang AL, Deviren V. Bariatric Surgery Prior to Elective Posterior Lumbar Fusion is Associated with Reduced Medical Complications and Infection. Poster presentation at Western Orthopaedic Association Annual Meeting, Snowmass, CO. 2018 August 3.
9. **Patterson JT**, Albright PD, Jackson JH, Eliezer EN, Haonga BT, Morshed S, Shearer DW. Travel Barriers, Unemployment, and External Fixation Predict Loss to Follow-up after Surgical Management of Lower Extremity Fractures in Dar es Salaam, Tanzania. Poster presentation at Inman Abbott Society Annual Meeting, San Francisco, CA. 2019 May 10.
10. **Patterson JT**, Roddy E, Kandemir U. Delay of Antibiotics Greater than Two Hours Predicts Surgical Site Infection in Open Fractures. Poster presentation at Orthopaedic Trauma Association Annual Meeting, Denver, CO. 2019 September 25 – 28.
11. **Patterson JT**, O'Hara NN, Joshi M, Murray CK, Reid JS, Gaski GE, Carlini AR, Huang Y, Scharfstein DO, O'Toole RV, Castillo RC, Firoozabadi R, and the METRC Consortium. Do Superficial Infections Increase the Risk of Deep Infections in Tibial Plateau and Plafond Fractures? Poster

- presentation at Orthopaedic Trauma Association Annual Meeting, Nashville, TN (virtual event due to nCOV-2019 pandemic). 2020 October 21 – 24.
12. **Patterson JT**, Ishii K, Tornetta P, Leighton RK, Friess DM, Jones CB, Levine A, Maclean JJ, Miclau T, Mullis BH, Obremsky WT, Ostrum RF, Reid S, Ruder JA, Saleh AA, Schmidt AH, Teague DC, Tsismenakis A, Westberg JR, Morshed S. Smith-Petersen versus Watson-Jones approach does not affect quality of open reduction of femoral neck fracture. Poster presentation at Orthopaedic Trauma Association Annual Meeting, Fort Worth, TX. 21 October 2021.
 13. **Patterson JT**, Lack WD, Agel J, Toogood PA, Little MT, Haller JM, Firoozabadi R, Githens MF, Elliott IS, Bellabarba C, Kleweno CP. AP pelvis radiograph is insufficient for diagnosis of U-type sacral fractures. Poster presentation at Orthopaedic Trauma Association Annual Meeting, Fort Worth, TX. 21 October 2021.
 14. Heckmann ND, Ihn H, Chung BC, Chen XT, Tucker D, Lovro L, White E, Hwang D, **Patterson JT**, Christ AB. Redefining Vascular Risk During Acetabular Screw Fixation Using 3D Computed Tomography. Poster presentation at American Association of Hip and Knee Surgeons Annual Meeting, Dallas, TX. 11 November 2021.
 15. Duong A, Becerra JA, Nakata H, **Patterson JT**. Feasibility of cell phone and email contact for capturing patient reported outcomes among orthopedic trauma patients. Poster presentation at Keck School of Medicine Medical Student Research Forum, Los Angeles, CA. 13 January 2022.
 16. Becerra JA, Brown M, Rohhani BS, Zalavras C, Carey JN, **Patterson JT**. Is the use of an antibiotic bead pouch, negative pressure wound therapy, or combination therapy in initial debridement of patients with type IIIB open tibia shaft fractures associated with adverse outcomes? Poster presentation at Keck School of Medicine Medical Student Research Forum, Los Angeles, CA. 13 January 2022.
 17. Wier J, Gary JL, **Patterson JT**. Preperitoneal Pelvic Packing is Associated with a Greater Risk of Venous Thromboembolism than Angioembolization for Refractory Hypotension in Closed Pelvic Ring Injury. Poster presentation by J Wier at Orthopaedic Trauma Association Annual Meeting, Tampa, FL. 11 October 2022.
 18. Becerra JA, Duong A, Nakata H, Lovro L, Hwang DH, Heckmann N, **Patterson JT**. Iatrogenic risk of genital injury with retrograde anterior column screws: CT analysis. Poster presentation by Becerra JA at American Academy of Orthopaedic Surgeons Annual Meeting, Las Vegas, NV. 7 March 2023.
 19. **Patterson JT**, Duong A, Becerra JA, Reddy A, Oakes DA. Drill bone with both hands: plunge depth and accuracy with four bracing positions. Poster presentation at One AO/Learn X Annual Meeting, Santa Ana Pueblo, NM. 29 April 2023.
 20. **Patterson JT**, Duong A, Becerra JA, Brown M, Roohani I, Zalavras C, Carey JN. Antibiotic bead pouch versus negative pressure wound therapy at initial management of AO/OTA 42 type IIIB open tibia fracture. Poster presentation at One AO/Learn X Annual Meeting, Santa Ana Pueblo, NM. 29 April 2023.
 21. Marecek G, **Patterson JT**. Adaptation of an automated computer-driven hexapod system for balanced cable transport. Poster presentation at LLRS 32nd Annual Scientific Meeting. 14 July 2023.
 22. Wier J, Adamczyk A, **Patterson JT**. Arthroplasty ± Internal Fixation for Elderly Acetabular Fractures is Increasing. E-poster presentation at Western Orthopaedic Association Annual Meeting, Coeur d'Alene, ID. 5 August 2023.
 23. **Patterson JT**, Heckmann N, Garvin KL, Nelson CL, Jacobs JJ, Lieberman JR. Total Hip Arthroplasty for Femoral Neck Fracture is Gaining Popularity Among American Board of

- Orthopaedic Surgery Part II Oral Examination Candidates. Poster presentation at Orthopaedic Trauma Association Annual Meeting, Seattle, WA. 18-21 October 2023.
24. **Patterson JT**, Slobogean GP, Gary JL, Castillo RC, Firoozabadi R, Carlini AR, Josh M, Allen LE, Huang Y, Bosse MJ, Ombremsky WT, McKinley TO, Reid, JS, O'Toole RV, O'Hara NN. The VANCO Trial Findings Are Generalizable to a North American Trauma Registry. Poster presentation at Orthopaedic Trauma Association Annual Meeting, Seattle, WA. 18-21 October 2023.
 25. Brown M, Hasegawa IG, Gary JL, Duong AM, **Patterson JT**. The Prevalence Of Suboptimal Sacral Outlet Imaging With 2d Fluoroscopy In Pelvic Surgery And A Technical Solution. Poster presentation at Orthopaedic Research Society Annual Meeting, Los Angeles, CA. 2-6 February 2024.
 26. Becerra JA, Reddy A, Hernandez F, Patterson JT. Disparities In Access To And Use Of Surgical Care For AO/OTA 44B2 Unstable Bimalleolar Ankle Fractures. Poster presentation at Orthopaedic Research Society Annual Meeting, Los Angeles, CA. 2-6 February 2024.
 27. Pinzon-Betancourt G, Becerra JA, Reddy A, Satish VL, Patterson, JT. Internal Fixation Of Isolated, Closed SERIV Ankle Fractures Was Not Associated With A Greater Odds Of Secondary Ankle Surgery Than Casting In Adults With Diabetes. Poster presentation at Orthopaedic Research Society Annual Meeting, Los Angeles, CA. 2-6 February 2024.
 28. Rusu D, Duong A, Satish VL, Yang M, Mayer L, **Patterson JT**. Subchondral Rafting Wires May Prevent Tibial Plateau Fracture Subsidence. Poster presentation at Orthopaedic Research Society Annual Meeting, Los Angeles, CA. 2-6 February 2024.
 29. **Duong A**, Wier J, Firoozabadi R, **Patterson JT**. Underweight Patients Experience Higher Inpatient Complication And Mortality Rates Following Acetabular Fracture. Poster presentation at Orthopaedic Research Society Annual Meeting, Los Angeles, CA. 2-6 February 2024.
 30. **Patterson JT**, Mayfield CK, Gary JL, Chung P, Hasegawa IG, Becerra JA, Duong A. Pelvic Binder Radiography Detects Occult Instability in Cadaveric Simulated Lateral Compression Type I (LC1) Pelvic Ring Injuries. Poster presentation at Orthopaedic Research Society Annual Meeting, Los Angeles, CA. 2-6 February 2024.
 31. Wier J, Duong A, Hasegawa IG, Gary JL, **Patterson JT**. Early External Fixation of Tibial Plateau Fractures Are Associated With Increased Risk Of Compartment Syndrome. Poster presentation at Orthopaedic Research Society Annual Meeting, Los Angeles, CA. 2-6 February 2024.
 32. Brown M, Hasegawa IG, Gary JL, Duong AM, **Patterson JT**. The Prevalence Of Suboptimal Sacral Outlet Imaging With 2d Fluoroscopy In Pelvic Surgery And A Technical Solution. Poster presentation at Orthopaedic Research Society Annual Meeting, Los Angeles, CA. 2-6 February 2024.
 33. Duong AM, Rusu D, Telang S, Heckmann ND, **Patterson JT**. Operative Management of LC1 Pelvic Fractures Increased with Decreased Length of Stay and Mortality From 2003 To 2018. Poster presentation at the Medical Student Research Forum, Los Angeles, CA. 4 April 2024.
 34. Kumaran P, Wier J, **Patterson JT**, Gary JL. Postoperative pain in patients with lateral compression type 1 and 2 pelvic fractures after undergoing either posterior fixation or both anterior and posterior fixation. Poster presentation at KSOM Medical Student Research Forum, Los Angeles, CA 4 April 2024.
 35. Patel VS, Yang M, Duong AM, Patterson JT. Operative versus Nonoperative Management of Low Velocity Ballistic Traumatic Arthrotomy. Poster Presentation at Keck SOM Medical Student Research Forum 2024, Los Angeles, CA. 4 April 2024.

36. Rusu D, Duong A, Satish V, Yang M, Mayer L, Allen M, Marecek G, **Patterson JT**. Subchondral Rafting Wires Reduce Tibial Plateau Fracture Subsidence. Poster presentation at KSOM Medical Student Research Forum, Los Angeles, CA 4 April 2024.
37. Bui R, Duong AM, Iyer A, Patel D, Hwang D, **Patterson JT**. Obturator Foramen Safe Zone for Pubic Symphysis Cable Cerclage. Poster Presented at: KSOM Medical Student Research Forum; 2024 Apr 4; Los Angeles, CA.
38. Duong AM, Mostamand M, Rusu D, **Patterson JT**. Neglected patella nonunion repair with tension band plating, quadricepsplasty, and tibial autograft: a technical trick. Poster presentation at One AO Inaugural Congress 2024, Phoenix, AZ. 4-7 April 2024.
39. Becerra JA, Reddy A, Hernandez F, Duong A, **Patterson JT**. Disparities In Access To And Use Of Surgical Care For AO/OTA 44B2 Unstable Bimalleolar Ankle Fractures. Poster presentation at OneOA 2024, Phoenix, AZ. 4-7 April 2024.
40. **Patterson JT**, Parry JA, Working ZM, McKibben NA, Baca J, Duong A, Senior J, Kim A, Marchand LS, O'Hara NN. Patient preferences for operative versus nonoperative treatment of LC1 pelvis fracture: a discrete choice experiment. Poster presentation at OneOA 2024, Phoenix, AZ. 4-7 April 2024.
41. Becerra JA, Reddy A, Hernandez F, Duong A, **Patterson JT**. Disparities In Access To And Use Of Surgical Care For AO/OTA 44B2 Unstable Bimalleolar Ankle Fractures. E-poster presentation at Western Orthopaedic Association Annual Meeting, Huntington Beach, CA. 7-10 August 2024.
42. **Patterson JT**, Satish V, Duong AM, Rusu D, Yang M, Hasegawa IG, Allen M, Sakka B, Firoozabadi R, Gary JL, CT Scanner Table Curvature Conceals Occult Contralateral Posterior Pelvic Ring Injury. Poster presentation at Orthopaedic Trauma Association Annual Meeting, Montreal, Canada. 23 October 2024.
43. Wier J, Duong A, Hasegawa IG, Gary JL, **Patterson JT**. Early External Fixation of Tibial Plateau Fractures Are Associated with Increased Risk of Compartment Syndrome. Poster presentation at Orthopaedic Trauma Association Annual Meeting, Montreal, Canada. 23 October 2024.
44. **OTR Investigators**. Combined anterior-posterior fixation of minimally displaced lateral compression type 1 pelvic ring injuries results in reduced length of hospital stay and improved discharge disposition: A multicenter propensity-matched analysis. Poster presentation at American Academy of Orthopaedic Surgeons Annual Meeting, San Diego, CA. 10 March 2025.
45. Jodi L. Gallant MSc, Tristan Paranavitana BSc, Sofia Bzovsky MSc, Kaitlyn Pusztai BSc, Paula McKay BSc, Debra Marvel MA, Jeffrey L. Wells AA, Julie Menard PhD, Jamal Al-Asiri MBBS MEd, **Joseph T. Patterson MD**, Gerard Slobogean MD, Sheila Sprague PhD, on behalf of the PREP-IT Investigators. Closing the Loop: Benefits and Challenges of Sharing Clinical Trial Results with Participants After Trial Close-Out. 2025 Canadian Orthopaedic Association's Annual Meeting.
46. Jodi L. Gallant MSc, Tristan Paranavitana BSc, Sofia Bzovsky MSc, Kaitlyn Pusztai BSc, Paula McKay BSc, Debra Marvel MA, Jeffrey L. Wells AA, Julie Menard PhD, Jamal Al-Asiri MBBS MEd, **Joseph T. Patterson MD**, Gerard Slobogean MD, Sheila Sprague PhD, on behalf of the PREP-IT Investigators. Closing the Loop: Benefits and Challenges of Sharing Clinical Trial Results with Participants After Trial Close-Out. 2025 Society for Clinical Trials Annual Meeting, Vancouver, Canada. 11-14 June 2025.
47. Grisdela P, Shabani S, Maxwell G, Carlini M, O'Toole R, Castillo R, Gary J, **Patterson JT** and METRC. Pain and Baseline Physical Function Predict Physical Function at One Year After Severe Extremity Trauma (Poster Presentation). Orthopaedic Trauma Association 41st Annual Meeting, Phoenix, Arizona. October 16-18, 2025.

48. Rechter G, Collinge C, Long J, Beltran M, Shiho G, **Patterson JT**, Morshed S. Minimal Gait Disturbance After Successful Repair of Femoral Neck Fractures in Young Adults with < 1 cm Shortening at Mid-Term Follow-up. Poster presentation at American Academy of Orthopaedic Surgeons Annual Meeting, New Orleans, LA. 10 March 2026.

MEDIA AND TELEVISION APPEARANCES:

1. *Yale Daily News*. Front page featured photo. 2 September 2011. New Haven, CT.
2. New Findings from University of California San Francisco (UCSF) Update Understanding of Femoral Neck Fracture. NewsRX LLC. Health & Medicine Week, 2020, p.874. 16 October 2020. 2021. Los Angeles, CA.
3. Associated Press. Telephone interview re: Tiger Wood's injuries in car crash. 23 February 2021. Los Angeles, CA.
4. CNN Newsroom with Brooke Baldwin. Live national cable network television invited guest interview re: Tiger Wood's injuries in car crash. 24 February 2021. Los Angeles, CA.
5. Associated Press. Zoom interview re: Tiger Wood's injuries in car crash. 24 February 2021. Los Angeles, CA
6. Dazio S and Ferguso D. "Lucky to be alive, Woods faces difficult recovery." Quoted interview in article. Associated Press.
7. <https://www.usatoday.com/videos/news/nation/2021/02/24/tiger-woods-faces-difficult-recovery-after-crash/6805349002/> 24 February 2021. Los Angeles, CA.
8. **Patterson JT**, Novak A, Reddy A. "OTA Next Level Board Prep Series - Pelvic Ring Injuries." *The OTA Podcast*. Orthopaedic Trauma Association. 9 August 2022. Los Angeles, CA.
9. **Patterson JT**, Slobogean G, Sheila S. "OTA Annual Meeting Selected Papers: Aqueous-PREP: A Pragmatic Randomized Trial Evaluating Preoperative Aqueous Antiseptic Skin Solutions in Open Fractures" *The OTA Podcast*. Orthopaedic Trauma Association. 12 December 2022. Los Angeles, CA.
10. **Patterson JT**, McKibben N, Slobogean G. "OTA Annual Meeting Selected Papers: Is Iliosacral Screw Removal Useless? A Causal Analysis of Prospective Observational Data." *The OTA Podcast*. Orthopaedic Trauma Association. 3 January 2023. Los Angeles, CA.
11. **Patterson JT**, Kyle R, Swiontkowski M. "OTA Past Presidents: Other Ortho Leadership Roles with Richard Kyle, MD, and Marc Swiontkowski, MD." *The OTA Podcast*. Orthopaedic Trauma Association. 30 May 2023. Los Angeles, CA.
12. Barber C. Interview in: "E-bike injuries: 'We're only seeing the tip of the iceberg,' trauma experts warn." Quoted interview in article. *Fortune Magazine*. <https://fortune.com/2023/06/01/e-bike-injuries-trauma-experts-warn-numbers-health-carolyn-barber/>. 1 June 2023. Los Angeles, CA.
13. **Patterson JT**, Hidden KS, Erdman M. "The Early Years: Surgical Education: Balancing Trainees and Myself." *The OTA Podcast*. Orthopaedic Trauma Association. 27 June 2023. Los Angeles, CA.
14. **Patterson JT**, Basmajian H, Campbell ST. "The Early Years: I Changed Jobs." *The OTA Podcast*. Orthopaedic Trauma Association. 4 July 2023. Los Angeles, CA.
15. **Patterson JT**, Matuszewski P, Levack A, Shearer D. "The Early Years: Research – Building a Program." *The OTA Podcast*. Orthopaedic Trauma Association. 8 August 2023. Los Angeles, CA.
16. **Patterson JT**, Elliot IS, Vega A. "OTA Board Review Series: Cauda Equina Syndrome." *The OTA Podcast*. Orthopaedic Trauma Association. 22 August 2023. Los Angeles, CA.
17. **Patterson JT**, Natoli R. "OTA 2023 Annual Meeting Selected Paper: Next-Generation Sequencing Results Suggest that a Change in Antibiotic Prophylaxis in Severe Open Tibia

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- Fractures is Warranted.” The OTA Podcast. Orthopaedic Trauma Association. 14 November 2023. Seattle, WA.
18. **Patterson JT**, Parry J. “OTA 2023 Annual Meeting Selected Paper: Surgical Complications after Operative Fixation of Minimally Displaced Lateral Compression Type 1 Pelvic Ring Fractures.” The OTA Podcast. Orthopaedic Trauma Association. 26 December 2023. Seattle, WA.
 19. **Patterson JT**, Okike K. “OTA 2023 Annual Meeting Selected Paper: Unipolar Hemiarthroplasty, Bipolar Hemiarthroplasty or Total Hip Arthroplasty for Hip Fracture in Older Individuals.” The OTA Podcast. Orthopaedic Trauma Association. 23 January 2024. Seattle, WA.
 20. **Patterson JT**, Collinge C. “OTA 2023 Annual Meeting Selected Paper: Optimal Fixation Strategies for Displaced Femoral Neck Fractures in Patients 18-59 Years Old: An Analysis of 626 Cases Treated at 27 Level One Trauma Centers.” The OTA Podcast. Orthopaedic Trauma Association. 20 February 2024. Seattle, WA.
 21. **Patterson JT**, Levack A. “OTA Selected Paper: Outcomes of Amputation and Limb Salvage in Combat Injuries: Does Level of Injury Matter? A Secondary Analysis of METALS I Data.” The OTA Podcast. Orthopaedic Trauma Association. 19 March 2024. Seattle, WA.
 22. **Patterson JT**, Rehman S. “The VANCO Trial – What have we learned?.” *OrthoClips Podcast*. 16 April 2024. Philadelphia, PA.
 23. **Patterson JT**, Kellam P. “OTA Selected Paper: Periarticular Multimodal Analgesia for Postoperative Pain in Tibial Plateau Fractures: A Double Blind Randomized Controlled Study.” Orthopaedic Trauma Association. 16 April 2024. Seattle, WA.
 24. **Patterson JT**, Burgess A, Kellam J. “Origins of Pelvic Fracture Classifications.” *The OTA Podcast*. Orthopaedic Trauma Association. 7 May 2024. Los Angeles, CA.
 25. **Patterson JT**, Kellam J. “Origins of the OTA Open Fracture Classification System.” *The OTA Podcast*. Orthopaedic Trauma Association. 14 May 2024. Los Angeles, CA.
 26. **Patterson JT**, Mehta S. “Gamechangers: Irrigation Solutions in a Contaminated Wound.” *The OTA Podcast*. Orthopaedic Trauma Association. 25 June 2024. Los Angeles, CA.
 27. **Patterson JT**, Levack A, Sheard DW, Matuszewski P. “The Early Years: Research: Building a Program.” *The OTA Podcast*. Orthopaedic Trauma Association. 8 August 2024. Los Angeles, CA.
 28. **Patterson JT**, O’Toole RV. “What Every Resident Should Know: The VANCO Study.” *The OTA Podcast*. Orthopaedic Trauma Association. 05 November 2024. Los Angeles, CA.
 29. **Patterson JT**, Sprague S, Fleming N. “Intimate Partner Violence: What Every Resident (and Attending) Should Know About the PRAISE Trial.” *The OTA Podcast*. Orthopaedic Trauma Association. 1 April 2025. Los Angeles, CA.
 30. **Patterson JT**, Marecek G. “Induced Membrane Bone Grafting vs. Bone Transport for Critical-Sized Bone Defects.” *The OTA Podcast*. Orthopaedic Trauma Association. 6 May 2025. Los Angeles, CA.
 31. **Patterson JT**, Gary JL, Herbert-Davies J. “Great Debates: Sutures vs. Staples.” *The OTA Podcast*. Orthopaedic Trauma Association. 20 May 2025. Los Angeles, CA.
 32. USC Office of the Provost Faculty Spotlight. <https://www.provost.usc.edu/joseph-t-patterson.1-January-2024>.
 33. **Patterson JT**, Blomberg J, Zalavras C. “Great Debates: Operative versus Nonoperative Treatment of Humeral Shaft Fractures.” *The OTA Podcast*. Orthopaedic Trauma Association. 2 September 2025. Los Angeles, CA.
 34. **Patterson JT**, Burapachaisri A, Tornetta P. “JOT Supplementary Discussion: Pelvis Stress Radiographs in Lateral Compression Injuries: What is the Supporting Evidence?” *The OTA Podcast*. Orthopaedic Trauma Association. 7 October 2025. Los Angeles, CA.

35. **Patterson JT**, Levack A, Campbell SC, Gary HL. In the Booth 2025: Family Matters- Coordinating Child Care and Call. *The OTA Podcast*. Orthopaedic Trauma Association. 25 November 2025. Phoenix, AZ.

PROFESSIONAL DEVELOPMENT

- 2014- Orthopaedic Trauma Association Annual Meetings
2014 UCSF CTSI Designing Clinical Research Course, San Francisco, CA
2015 Medtronic Midas Rex and Spinal Navigation Course, Sunnyvale, CA
2015 AO Trauma, Basic Principles Course, Bellevue, WA
2015-2017 UCSF Orthopaedic Trauma Course, San Francisco, CA
2015-2016 UCSF Techniques in Complex Spine Surgery Course, Las Vegas, NV
2016 American Association of Hip and Knee Surgeons Annual Meeting, Dallas, TX
2016 North American Spine Society Annual Meeting, Chicago, IL
2016 AO Trauma Intraoperative Imaging, San Francisco, CA
2016 AO Trauma Pediatric Fracture Management, Orlando, FL
2016- Western Orthopaedic Association Annual Meetings
2017 Foundation for Orthopaedic Trauma, Upper Extremity Course, Las Vegas, NV
2017 Clinical Scholar Career Development Program, AAOS/OREF/ORS, Rosemont, IL
2019 Minnesota Scapula Course, Bloomington, MN
2018 Limb Lengthening and Reconstruction Society Annual Meeting
2018- American Academy of Orthopaedic Surgeons Annual Meetings
2028 C. McCollister Everts Resident Leadership Forum 2018, AOA, Boston, MA
2018 AO Trauma Advanced Principles, San Diego, CA
2019 AO Trauma Webinar—Pelvis: Decision Making in Definite Pelvic Ring Management
2020 AO Trauma Webinar—Humeral Shaft Fractures: When & How
2020 AO Trauma Osteotomy Weekly
2020 AO Trauma Fellows Webinar—LE Deformity: Options for Tibial Deformity Correction
2020 OneAO Meeting, Phoenix, AZ
2020 AO Trauma Fellows Webinar—Femur: Supracondylar Femur Fractures
2021 AO Trauma NA Journal Club—Femur Fractures
2021 AO Trauma NA Webinar—Compartment Syndrome in 2021: Diagnosis and Decompression
2021 One AO 2021 - INNOVATION
2022 AO Davos Fellows Experience
2024 AO Faculty Education Program