

# CURRICULUM VITAE

## **RAVEESH D. RICHARD, MD FAAOS** **BOARD-CERTIFIED ORTHOPAEDIC SURGERY**

Orthopedic Traumatology & Adult Reconstruction  
Assistant Professor of Orthopedic Surgery

### **PERSONAL INFORMATION:**

Current Address:  
Sawbones Consulting, LLC  
8 Maclean Drive  
Littleton, CO 80123  
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### **EDUCATION AND PROFESSIONAL APPOINTMENTS**

#### **EDUCATION:**

2011 M.D., University of Miami Miller School of Medicine, Miami, FL  
2007 B.S., Biology/Mathematics (*Magna cum laude*), University of Miami, Coral Gables, FL  
2004 *Valedictorian*, Dr. Phillips High School, Orlando, FL

#### **POST-GRADUATE TRAINING:**

2018-2019 Fellowship, Orthopaedic Traumatology, IU Methodist Hospital, Indianapolis, IN  
2012-2018 Residency with Research Year, Orthopaedic Surgery, Geisinger Health, Danville, PA  
2011-2012 Internship, Urology/Surgery, University of Texas Health Science Center, San Antonio, TX

#### **ACADEMIC APPOINTMENTS:**

2022-Present Assistant Professor, University of Colorado School of Medicine, Aurora, CO  
Orthopaedic Surgery  
2021-2022 Adjunct Clinical Associate Professor, Rocky Vista University, Parker, CO  
Professor, Orthopaedics

#### **SCIENTIFIC APPOINTMENTS:**

2018-2019 Collaborator, PREVENT CLOT Indiana University Methodist Hospital, Indianapolis, IN  
2018-2019 Collaborator, METRC Indiana University Methodist Hospital, Indianapolis, IN

#### **CLINICAL APPOINTMENTS:**

2025-Present Attending Physician Monument Hospital, Rapid City, SD  
2025-Present Attending Physician Billings Clinic, Billings, MT  
2022-Present Attending Physician Denver Health Medical Center, Denver, CO  
2023-Present Attending Physician Beacon Medical Center, South Bend, IN  
2019-2022 Attending Physician Centura Orthopaedics – Advent Health Parker Hospital  
2019-2022 Attending Physician Centura Orthopaedics – Advent Health Castle Rock Hospital  
2019-2022 Attending Physician Centura Orthopaedics – Advent Health Littleton Hospital

## **LICENSURE, CERTIFICATIONS**

### **ACTIVE LICENSURE:**

2019-Present	Physician (Compact), Colorado Medical Board #CDRH.0062253, Active
2024-Present	Physician (Compact), Wyoming Board of Medicine #17702C, Active
2024-Present	Physician (Compact), Nevada State Board #26710, Active
2025-Present	Physician (Compact), Nebraska State Board #CP1357, Active
2023-Present	Physician (Compact), Indiana State Board #01080106A, Active
2025-Present	Physician (Compact), Montana State Board #160010, Active
2025-Present	Physician (Compact), South Dakota State Board #17614, Active
2025-Present	Physician (Compact), Idaho State Board #8071076, Active
2019-Present	DEA Certificate CO #FR7488934, Active
2023-Present	DEA Certificate IN #FR1586695, Active
2025-Present	DEA Certificate MT #FR5694888, Active
2023-Present	CSR IN #01080106B, Active

### **BOARD CERTIFICATION:**

11/18/2021	American Board of Orthopaedic Surgery (ABOS) Part II Examination, Pass
07/12/2018	American Board of Orthopaedic Surgery (ABOS) Part I Examination, Pass
2009-2013	USMLE Step 1/2CK/2CS/3, Pass

## **SPECIALTY INTERESTS**

**CARE OF THE POLYTRAUMA PATIENT**  
**PERI-ARTICULAR INJURIES AND NAILING**  
**PELVIS/ACETABULAR TRAUMA**  
**MALUNION/DEFORMITY CORRECTION AND NONUNION SURGERIES**  
**HIP AND KNEE ADULT RECONSTRUCTION**  
**COMPLEX REVISION ARTHROPLASTY**  
**PERIPROSTHETIC FRACTURE CARE**

## **EDITORIAL BOARD**

2023-Present	CME Editor, <i>Orthopedic Trauma Association International (OTAI) Journal</i>
2023-Present	Deputy Editor, <i>European Journal of Orthopaedic Surgery and Traumatology (EJOST)</i>

## SCHOLASTIC HONORS/AWARDS:

Sep 2026	Invited Faculty	OTA Resident Course Faculty 2026
Feb 2026	Invited Faculty	Montana Orthopaedic Society (MOS) 2026 Annual Meeting, Whitefish, MT
Oct 2025	Invited Faculty	Hellenic Association of Orthopedic Surgery and Traumatology (HAOST) 81 <sup>st</sup> Annual Congress, Athens, Greece
Mar 2025	Visiting Professorship	JPN Apex Trauma Centre, All India Institute of Medical Sciences, New Delhi, India
Mar 2023	Visiting Professorship	Hospital Universitario de La Samaritana, Bogota, Colombia
Feb 2023	Visiting Professorship	UNIFESP Hospitals, Sao Paulo, Brazil
Dec 2022	Physician Expert	ABC News Denver, Denver, CO
Oct 2022	Fellowship Inductee	Fellow of the American Academy of Orthopaedic Surgeons (FAAOS)
Nov 2021	Diplomate	American Board of Orthopaedic Surgery (ABOS)
July 2019	Emerging Leaders Program	American Orthopaedic Association, Boston, MA
Dec 2018	Visiting Professorship	Second Affiliated Hospital Zhejiang University School of Medicine Hangzhou, China
Sep 2018	Scholarship Recipient	2018 TEACH Pelvic Fellows Dissection Course, Las Vegas, NV
Nov 2017	Scholarship Recipient	2017 Oxford Partial Knee Advanced Instructional Course, La Jolla, CA
Dec 2015	Scholarship Recipient	2015 AAOS/POSNA 12 <sup>th</sup> International Pediatric Orthopaedic Symposium (IPOS), Orlando, FL
Sep 2015	Scholarship Recipient	2015 DePuy Synthes Future Leaders Workshop, Chicago, IL
Apr 2015	Resident Paper Award	Pennsylvania Orthopaedic Society, Scottsdale, AZ
May 2015	Scholarship Recipient	2015 ORTI East Orthopaedic Resident & Fellow Course, Philadelphia, PA
May 2015	Scholarship Recipient	2015 FOT Dissection Course, Las Vegas, NV
July 2012	Grant Recipient	DePuy/Synthes Research Fellowship Grant, Danville, PA
May 2011	Honors, all clerkships	University of Miami Miller School of Medicine, Miami, FL
2007	Inductee	Phi Beta Kappa Honor Society, University of Miami, Coral Gables FL
2005-2007	Founding Member	Beta Theta Pi Fraternity, Eta Beta Chapter, University of Miami, Coral Gables, FL
2007	Dean's List	University of Miami, Coral Gables, FL
2004	UMiami University Scholarship	University of Miami, Coral Gables, FL
2004	Scholarship Recipient	Medical Scholars Program (MSP) 7-year Scholarship, University of Miami, Coral Gables, FL
2004	Valedictorian	Dr. Phillips High School, Orlando, FL

**ACADEMIC COMMITTEES/APPOINTMENTS:**

Mar 2026	Assessments & Examinations	American Association of Orthopaedic Surgeons (AAOS) Committee
Feb 2024	Educational Committee	Foundation for Orthopaedic Trauma (FOT)
Jun 2023	Trauma Missions Director	Denver Health Orthopaedic Surgery
Mar 2023	Assessments & Examinations	American Association of Orthopaedic Surgeons (AAOS) Committee
Mar 2021	Milestones Work Group	ACGME Orthopaedic Trauma Fellowship 2.0
Jan 2021	Member	Centura Health Trauma Council
Sep 2020	Member	Advent Health Parker Hospital Surgical Multidisciplinary Committee
Sep 2019	Member	Advent Health Parker Hospital Orthopedic Steering Committee
Aug 2018	Teaching Fellow	Indiana University Methodist Hospital
July 2017	Chief Resident	Geisinger Orthopaedic Surgery
Mar 2016	Nursing Liaison	Geisinger Orthopaedic Surgery

## TEACHING

### **DIDACTIC TEACHING:**

#### *Denver Health Medical Center, Denver, CO*

5/12/2025	Grand Rounds – Basic Rotational Flaps for the Orthopaedic Surgeon	1 hour
10/21/2024	Grand Rounds – LisFranc Injuries	1 hour
7/17/2024	Trauma Lecture Series – The Acute Management of Pelvic Ring Injuries	1 hour
5/6/2024	Grand Rounds – Proximal Tibia Fractures	1 hour
2/4/2024	Orthoplastic Summit & Flap Course – Gastrocnemius/Hemisoleus Rotational Flaps	1 hour
5/15/2023	Grand Rounds – Open Fracture Management	1 hour
8/22/2022	Grand Rounds – Distal Femur Nailing	1 hour
6/20/2022	Grand Rounds – Young Femoral Neck Fractures	1 hour

#### *University of Colorado School of Medicine, Aurora, CO*

4/16/2025	Orthopaedic Residency Lectureship – Periarticular Elbow Fracture	1 hour
10/16/2024	Dislocations	1 hour
	Orthopaedic Residency Lectureship – Preoperative Planning	
7/10/2024	Orthopaedic Residency Lectureship – Subtrochanteric Femur Fractures	1 hour
5/15/2024	Orthopaedic Residency Lectureship – OITE Trauma Review	1 hour
12/1/2021	Orthopaedic Residency Trauma Lab	2 hours
12/8/2023	Orthopaedic Trauma Conference: Tibial Plateau Fractures	1 hour
10/22/2023	Orthopaedic Trauma Conference: Calcaneus Fractures	1 hour

#### *Foundation for Orthopaedic Trauma North America*

11/7-11/8/2025	Co-Chair, FOT Upper and Lower Extremity Course, Long Beach, CA	20 hours
5/17/2025	Faculty, FOT Pelvic Acetabular Course, Tampa, FL	12 hours
8/15/2024	Faculty, FOT Webinar – Tibial Plateau Fractures	1 hour
3/7-3/8/2024	Faculty, FOT Lower Extremity Dissection Course, Las Vegas, NV	12 hours
5/19-5/20/2023	Faculty, FOT Pelvis Course, Las Vegas, NV	12 hours
2/2-2/3/2023	Faculty, FOT Upper Extremity Dissection Course, Las Vegas, NV	12 hours
1/27-1/28/2022	Faculty, FOT Lower Extremity Dissection Course, Las Vegas, NV	12 hours
9/25/2021	Faculty, FOT Upper Extremity Dissection Course, Tampa, FL	8 hours

#### *American Academy of Orthopaedic Surgeons (AAOS)*

9/3/2024	Faculty, Webinar – The Impact of Adverse Events on Orthopaedic Surgeons	2 hours
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#### *University of Florida Department of Orthopaedic Surgery, Gainesville, FL*

2/7/2019	Grand Rounds – Periarticular Nailing of the Proximal Tibia	1.5 hours
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#### *Indiana University Department of Orthopaedic Surgery, Indianapolis, IN*

7/16/2019	Faculty, IU Intern Boot Camp	8 hours
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#### *Centura Health, Parker, CO*

10/9/2019	Grand Rounds – The Acute Management of Pelvic Ring Injuries	1.5 hours
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#### *Chest Wall Injury Society*

4/30/2022	Faculty, Is There A Role for Ultrasound/E-Stim in Fracture Healing, Park City, UT	3 hours
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### *Orthopaedic Trauma Association*

9/24/2026	Faculty, OTA Comprehensive Resident Fracture Course: Diaphyseal Module, Nashville, TN	4 hours
9/23/2026	Faculty, OTA Comprehensive Resident Fracture Course: Articular Module, Nashville, TN	4 hours
10/23/2024	Faculty, OTA Comprehensive Resident Fracture Course: Pelvis/Acetabular and Polytrauma Module, Montreal, QC Canada	9 hours
10/23/2024	Moderator, OTA Pre-Symposium: Personal Finance for the Early Career Orthopaedic Traumatologist	4 hours
10/18/2023	Faculty, OTA Comprehensive Resident Fracture Course: Pelvis/Acetabular and Polytrauma Module, Seattle, WA	9 hours
7/9/2023	Faculty, OTA/Insignia India Webinar – Periarticular Nailing of Lower Extremity Fractures	2 hours
1/25/2023	Moderator, OTA Webinar – Periarticular Nailing of Lower Extremity Fractures	1.5 hours
10/13/2022	Faculty, OTA Comprehensive Resident Fracture Course: Articular Fractures Module, Tampa, FL	4 hours
4/23/2022	Faculty, OTA Advanced Case Controversies Course, Philadelphia, PA	8 hours
11/3/2021	Faculty, OTA Fracture Night In America Webinar, Denver, CO	1 hour
10/22/2021	Faculty, OTA Comprehensive Resident Fracture course: Articular Fractures Module, Ft. Worth, TX	4 hours
10/22/2021	Faculty, OTA Comprehensive Resident Fracture course: Foot & Ankle Module, Ft. Worth, TX	4 hours

### *Orthobullets*

5/21/2025	Coinflips 45F with Ankle Fracture Webinar, Denver, CO	1 hour
8/29/2025	Coinflips 32M with Tibia Fracture Webinar, Denver, CO	1 hour

### *Stryker Trauma & Extremities Academic Courses for Healthcare (TEACH)*

9/11-9/12/2026	TEACH Pelvic/Acetabular Course, Billings, MT	15 hours
12/4-12/6/2025	FORCE Course, Charlotte, NC	20 hours
8/11/2025	TEACH Pangea & T2 Alpha, Montrose, CO	3 hours
7/23/2025	TEACH Pangea, South Bend, IN	3 hours
6/24/2025	Summer Trauma Tragedies Webinar, Denver, CO	1 hour
10/29/2024	Fall Trauma Tragedies Webinar, Denver, CO	1 hour
10/16/2024	Pangea Plating Case Presentations, Steamboat Springs, CO	3 hours
9/27-9/28/2024	Trauma Case Controversies, New York, NY	15 hours
8/1/2024	Trends in Trauma Case Presentations, Centennial, CO	3 hours
5/16/2024	Periarticular Plating Case Presentations, Boulder, CO	3 hours
9/28-9/29/2024	Trauma Masters Course, Denver, CO	12 hours
5/25/2023	Summer Trauma Tragedies Webinar, Denver, CO	1 hour
5/17/2023	Femur Fracture Fixatio: Tips & Tricks, Whitefish, MT	3 hours
4/14-4/16/2023	Advance Trauma Concepts Course, Austin, TX	15 hours
4/1/2023	Lower Extremity Disaster Course, Denver, CO	6 hours
3/23/2023	Spring Trauma Tragedies Webinar, Denver, CO	1 hour
5/18/2022	ACE Diversity Committee Town Hall, Mahwah, NJ	3 hours
5/10/2022	Complex Periarticular Fracture Case Discussions, Denver, CO	1 hour
4/29/2022	Rocky Mountain Case Controversies Conference, Aurora, CO	6 hours
4/27/2022	Suprapatellar Nailing of the Tibia, Whitefish, MT	3 hours
4/8/2022	Understanding the Basics of X-rays for Surgical Reps, Bozeman, MT	1 hour
4/7/2022	Periarticular Fractures Around the Knee, Bozeman, MT	3 hours
3/18/2021	Nailing Versus Plating Metaphyseal Fractures Webinar, Denver, CO	1 hour

<i>AO Foundation</i>		
10/2-10/4/2026	Faculty, AO Basic Principles of Fracture Management, Phoenix, AZ	20 hours
9/4-9/6/2025	Faculty, AO Basic Principles of Fracture Management, La Jolla, CA	20 hours
<i>Johnson &amp; Johnson Future Leaders</i>		
3/8-3/10/2024	Faculty, Comprehensive Treatment of the Orthopaedic Trauma Patient Resident Course, Denver, CO	15 hours
<i>SIGN Fracture Care International</i>		
9/9-9/11/2025	Invited Faculty, 2025 SIGN International Orthopaedic Conference, Richland, WA	8 hours
<i>Montana Orthopaedic Society</i>		
2/20-2/22/2026	Invited Faculty, 2026 Montana Orthopaedic Society (MOS), Whitefish, MT	20 hours
<i>International</i>		
10/8/2025	Invited Speaker, Hellenic Association of Orthopedic Surgery and Traumatology (HAOST) 81 <sup>st</sup> Annual Conference, Athens, Greece	6 hours
3/27/2025	Grand Rounds – Periprosthetic Femur Fractures, All India Institute of Medical Sciences (AIIMS), New Delhi, India	3 hours
3/15/2023	Grand Rounds – Periarticular Nailing of Lower Extremity Fractures, Hospital Universitario de La Samaritana, Bogota, Colombia	3 hours
2/14/2023	Grand Rounds – Periarticular Nailing of Lower Extremity Fractures, UNIFESP Hospitals, Sao Paulo, Brazil	1.5 hours
2/14/2023	Grand Rounds – Young Femoral Head Fracture Management, UNIFESP Hospitals, Sao Paulo, Brazil	1.5 hours

**PROFESSIONAL SOCIETY MEMBERSHIPS:**

2022-Present	American College of Surgeons, Active Fellow
2022-Present	Orthopaedic Research Society, Early Career Member
2022-Present	Center for Orthopaedic Injury Research & Innovation, Young Investigator Member
2018-Present	Consortium of Orthopaedic Academic Traumatologists, Faculty Member
2018-Present	American Orthopaedic Association, Member
2017-Present	Orthopaedic Trauma Association, Active Member
2015-Present	AO Trauma North America, Faculty Member
2014-Present	American Association of Orthopaedic Surgeons, Active Fellow

**RESEARCH AND SCHOLARSHIP**

**CLINICAL TRIALS:**

2019-2020	PREVENT-CLOT Trial, Collaborator
2019-present	Major Extremity Trauma Research Consortium

**MENTORED RESEARCH DEVELOPMENT:**

2006-2007	Summer Intern, University of Miami Jackson Medical Center Oncology Research, PI: Subarrayan Pochi, PhD, Miami, FL
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**PROFESSIONAL DEVELOPMENT:**

2025	J&J Advanced Deformity Correction Symposium
2024	Zimmer Advances in Hip and Knee Revision Arthroplasty Course
2024	Zimmer The Cutting Edge in Total Hip and Knee Arthroplasty
2024	DePuy Synthes Expert Round Table – Complex Tibial Fracture Management
2024	Stryker Traumatoplasty for Trauma Surgeons Course
2024	Integra Exploring Reconstructive Options for Complex Lower Extremity Wounds
2023	Arthrex Shoulder Course
2022	Stryker Direct Anterior Approach Hip Course
2020	AO Trauma Fellows Webinar—Femur: Supracondylar Femur Fractures
2019	AO Trauma North America Fellows Webinar—Pelvis: Decision Making in Definite Pelvic Ring Management
2019	FOT Pelvic Dissection Course, Tampa, FL
2018	Stryker Fellows Pelvic Dissection Course, Las Vegas, NV
2017	AO Trauma Advanced Principles, Phoenix, AZ
2017	Foundation for Orthopaedic Trauma, Upper Extremity Course, Las Vegas, NV
2016	American Association of Hip and Knee Surgeons Annual Meeting, Dallas, TX
2016	Western Orthopaedic Association Annual Meeting
2015-2017	Eastern Orthopaedic Association Annual Meetings
2014	AO Trauma, Basic Principles Course, Bellevue, WA
2022-present	American Association for Orthopaedic Surgeons (AAOS) OITE Item Review Meetings
2012-present	Orthopaedic Trauma Association (OTA) Annual Meetings
2012-present	American Association for Orthopaedic Surgeons (AAOS) Annual Meetings

**VOLUNTEERISM & MISSION WORK****INTERNATIONAL:**

2027	Scalpel at the Cross, Pucallpa, Peru
2026	Clinica San Lucas Gracias, Gracias Lempira, Honduras
2025	Scalpel at the Cross, Pucallpa, Peru
2010	Crossbridge Medical Missions, Mirebalais, Haiti
2009	Christian Medical Dental Association (CMDA) Miami Chapter Mission Trip, Managua, Nicaragua
2008	Christian Medical Dental Association (CMDA) Miami Chapter Mission Trip, Managua, Nicaragua
2007	Lahash International Missions, Kajo Keji, Sudan
2007	Lahash International Missions, Adjumani, Uganda

**UNITED STATES:**

2023-present	Executive Board Member, Project C.U.R.E, Centennial, CO
2021-present	Volunteer, Cherry Hills Community Church, Highlands Ranch, CO
2019-present	Volunteer, Lifegate Church, Aurora, CO
2007-2011	Habitat for Humanity, Miami, FL
2007-2011	Department of Community Services (DOCS), Miami, FL

## **PUBLICATIONS:**

### **PEER-REVIEWED JOURNAL ARTICLES:**

1. **(Collaborator: Raveesh D. Richard)** Levy JF, O'Toole RV, Stein DM, Haut ER, Frey KP, Castillo RC, O'Hara NN; Major Extremity Trauma Research Consortium (METRC). **The Cost-Effectiveness of Enoxaparin Compared with Aspirin for Thromboprophylaxis in Patients with Orthopaedic Trauma.** J Bone Joint Surg Am. 2026 May 6;108(9):e9.
2. **(Collaborator: Raveesh D. Richard)** Levy JF, O'Toole RV, Stein DM, Haut ER, Frey KP, Castillo RC, O'Hara NN; METRC. **Cost Savings of Switching to Aspirin for Thromboprophylaxis in Orthopaedic Trauma Patients: A Budget Impact Analysis.** J Am Acad Orthop Surg. 2026 Feb 1;34(3):e437-e446.
3. Daher M, Parsons A, Mauffrey C, **Richard RD.** **Nail-Plate Combination Versus Single Construct for the Management of Distal Femoral Fractures: A Meta-Analysis.** Eur J Orthop Surg Traumatol. 2025 Mar 18;35(1):124.
4. Pesante B, Pollard T, Onodera K, Tucker N, **Richard RD,** Mauffrey C, Parry J. **Variables Associated with Loss of Reduction After Plate Fixation of Pubic Symphysis Injuries.** Eur J Orthop Surg Traumatol. 2025 Mar 17;35(1):120.
5. **Richard RD,** Pesante BD, Parry JA, Mauffrey C. **The Effect of Adverse Events on Orthopaedic Surgeons: A Review.** JAAOS. 2024 Sep 1;32(17):771-776.
6. **(Collaborator: Raveesh D. Richard)** O'Hara NN, Frey KP, Stein DM, Levy JF, Slobogean GP, Castillo R, Firoozabadi R, Karunakar MA, Gary JL, Obremskey WT, Seymour RB, Cuschieri J, Mullins CD, O'Toole RV; METRC. **Effect of Aspirin Versus Low-Molecular-Weight Heparin Thromboprophylaxis on Medication Satisfaction and Out-of-Pocket Costs: A Secondary Analysis of a Randomized Clinical Trial.** J Bone Joint Surg Am. 2024 Apr 3;106(7):590-599. doi: 10.2106/JBJS.23.00824. Epub 2024 Feb 21. PMID: 38381842; PMCID: PMC10980176.
7. Tucker NJ, Stacey S, Kim YJ, DeLeon J, **Richard R,** Heare A, Mauffrey C, Parry JA. **Variables Associated With Loss of Fixation of Retrograde Rami Screws in Minimally Displaced Lateral Compression Type 1 Pelvic Ring Injuries.** J Orthop Trauma. 2024 Apr 1;38(4):215-219.
8. **(Collaborator: Raveesh D. Richard)** O'Hara NN, O'Toole RV, Frey KP, Castillo RC, Cuschieri J, Haut ER, Slobogean GP, Firoozabadi R, Christmas AB, Obremskey WT, Carlini AR, Gaski GE, Kutcher ME, Marvel D, Stein DM; Major Extremity Trauma Research Consortium (METRC). **Risk-stratified thromboprophylaxis effects of aspirin versus low-molecular-weight heparin in orthopedic trauma patients: A secondary analysis of the PREVENT CLOT trial.** J Trauma Acute Care Surg. 2024 Apr 1;96(4):573-582.
9. Pollard TG, Deleon JC, Parry JA, Stacey SC, Heare A, **Richard RD,** Mauffrey C. **Tips and Tricks for the Reduction and Fixation of Sacroiliac Joint Fracture-Dislocations.** J Clin Orthop Trauma. 2023 Nov 29;47:102292.
10. **Richard RD,** Heare A, Mauffrey C, McGinley B, Lencioni A, Chandra A, Nasib V, Chaiken BL, Trompeter A. **Use of 3D Printing Technology in Fracture Management: A Review and Case Series.** J Orthop Trauma. 2023 Nov 1;37(11S):S40-S48.

11. **(Collaborator: Raveesh D. Richard)** Major Extremity Trauma Research Consortium (METRC); O'Toole RV, Stein DM, O'Hara NN, Frey KP, Taylor TJ, Scharfstein DO, Carlini AR, Sudini K, Degani Y, Slobogean GP, Haut ER, Obremskey W, Firoozabadi R, Bosse MJ, Goldhaber SZ, Marvel D, Castillo RC. **Aspirin or Low-Molecular-Weight Heparin for Thromboprophylaxis after a Fracture.** *N Engl J Med.* 2023 Jan 19;388(3):203-213.
12. Kim YJ, **Richard RD**, Scott BL, Parry JA. **An Acute Fixation Protocol for High-Energy Tibial Pilon Fractures Decreases Time to Fixation and Lowers Operative Costs Without Affecting Wound Complications and Reoperations.** *J Orthop Trauma.* 2023 Oct 1;37(10):525-531.
13. Kim YJ, Scott T, **Richard RD**, Parry JA. **An Acute Fixation Protocol for High-Energy Tibial Plateau Fractures Decreases Time to Fixation and Lowers Operative Costs Without Affecting Wound Complications and Reoperations.** *J Orthop Trauma.* 2023 Jun 1;37(6):287-293.
14. **Richard RD**, Gaski GE, Farooq H, Wagner DJ, McKinley TO, Natoli RM. **Risk Factors for Complications Within 30 Days of Operatively Treated Periprosthetic Femur Fractures.** *J Clin Orthop Trauma.* 2022 Jun 25;31:101925.
15. Orthopaedic Trauma Milestones Work Group: Edgar L, Engel J, Lopas L, Natoli RM, **Richard R**, Stelzow J. **ACGME Orthopaedic Trauma Milestones 2.0.** (July 2022). Accessible at <https://www.acgme.org/specialties/orthopaedic-surgery/milestones/>
16. Orthopaedic Trauma Milestones Work Group: Edgar L, Engel J, Lopas L, Natoli RM, **Richard R**, Stelzow J. **ACGME Orthopaedic Trauma Supplemental Guide.** (July 2022). Accessible at <https://www.acgme.org/specialties/orthopaedic-surgery/milestones/>
17. **Richard RD**, Natoli RM, Sorkin AT, Virkus WW, Gaski GE. **Retrograde intramedullary nailing below a hip arthroplasty prosthesis: a viable fixation option for periprosthetic and interprosthetic femur fractures.** *Int Orthop.* 2020 Nov;44(11):2283-2289.
18. Natoli RM, Sardesai NR, **Richard RD**, Sorkin AT, Gaski GE, Virkus WW. **Intramedullary Nailing of Lower-Extremity Periarticular Fractures.** *JBJS Essent Surg Tech.* 2019;9(4):e35(1-2)
19. Borade A, Kempegowda H, **Richard RD**, Graham J, Suk M, Horwitz DS. **Is “Early Total Care” a Safe and Effective Alternative to “Staged Protocol” for the Treatment of Schatzker IV-VI Tibial Plateau Fractures in Patients Older than 50 Years?** *J Orthop Trauma.* 2017 Dec;31(12):e400-e406.
20. Kempegowda H, **Richard RD**, Borade A, Tawari A, Graham J, Suk M, Howenstein A, Kubiak EN, Sotomayor VR, Koval K, Liporace FA, Tejwani N, Horwitz DS. **Obesity is Associated with High Peri-Operative Complications among Surgically Treated Intertrochanteric Fracture of the Femur.** *J Orthop Trauma.* 2017 Jul;31(7):352-357.
21. Ghanem ES, **Richard RD**, Wingert NCH, Gotoff JR, Graham JH, Bowen TR. **Pre-operative Use of Clopidogrel Does Not Affect Outcomes for Femoral Neck Fractures Treated with Hemiarthroplasty.** *J Arthroplasty.* 2017 Jul;32(7):2171-2175.
22. **Richard RD**, Bowen TR. **What Orthopaedic Operating Room Surfaces Are Contaminated With Bioburden? A Study Using the ATP Bioluminescence Assay.** *Clin Orthop Relat Res.* 2017 Jul; 475(7):1819-24.

23. Kempegowda H, **Richard RD**, Borade A, Tawari A, Howenstein AM, Kubiak EN, Suk M, Horwitz DS. **The Role of Radiographs and Office Visits in the Follow-Up of Healed Intertrochanteric Hip Fractures: An Economic Analysis.** *J Orthop Trauma.* 2016 Dec; 30(12):687-90.
24. Kempegowda H, Maniar H, **Richard RD**, Tawari A, Graham J, Suk M, Beebe M, Han C, Tornetta P, Kubiak E, Horwitz DS. **Posterior Malleolar Fractures Associated with Tibia Fractures and Sequence of Fixation.** *J Orthop Trauma.* 2016 Oct; 30(10):568-71.
25. **Richard RD**, Maloney B, Feltham G. **Concomitant Venous Thrombosis and Pulmonary Embolism After Hip Arthroscopy in a Patient With Heterozygous Factor V Leiden Deficiency.** *Am J Orthop.* 2016 Jul-Aug;45(5):E240-E244.
26. Irgit KS, **Richard RD**, Beebe M, Bowen TR, Kubiak E, Horwitz DS. **Reverse Oblique and Transverse Intertrochanteric Femoral Fractures Treated with the Long Cephalomedullary Nail.** *J Orthop Trauma.* 2015 Sep; 29(9):e299-304.
27. Rutter M, **Richard RD**, Irgit K, Cush G. **The Wire-form Fixation Device: A New Device for the Fixation of Medial Malleolar Fractures.** *Tech Foot Ankle Surg.* 2015; 14(2): 94-98.
28. Deegan BF, **Richard RD**, Bowen TR, Perkins RM, Graham JH, Foltzer MA. **Impact of Chronic Kidney Disease Stage on Lower-Extremity Arthroplasty.** *Orthopedics.* 2014; 37(7): 613-618.
29. Horwitz DS, **Richard RD**, Suk M. **The Reporting of Functional Outcome Instruments in the Journal of Orthopaedic Trauma Over a 5-Year Period.** *J Orthop Trauma.* 2014; 28(1): 2-5.
30. **Richard RD**, Deegan BF, Klena JC. **The Learning Styles of Orthopaedic Residents, Faculty and Applicants at an Academic Program.** *J Surg Ed.* 2014; 71(1):110-118.
31. Irgit K, **Richard RD**, Cornelius A, Horwitz DS. **Osteosynthesis Compared to Hemiarthroplasty for Osteoporotic, Undisplaced and Stable Femoral Neck Fractures.** *Osteoporosis Int.* 2013 Apr; 24(2): S427-S428.

#### TEXTBOOKS, CHAPTERS, AND EDITORIALS:

1. **Richard RD**, Mullis BH, Anglen JO. **Open Reduction Internal Fixation and Closed Reduction Percutaneous Fixation of Femoral Neck Fractures.** In: Wiesel SW, ed. *Operative Techniques in Orthopaedic Surgery*, 3rd edition; Philadelphia, PA: Wolters Kluwer; 2021:702-715.
2. **Richard RD**, Kubiak EK, Horwitz DS. **Techniques for the Surgical Treatment of Distal Tibia Fractures.** *Orthop Clin N Am.* 2014; 45:295-312.
3. **Richard RD**, Suk M. **“Electrophysiologic Monitoring of Acetabular fractures,”** Acetabular Fractures, Publisher: JP Medical Publishers, (Ed: Bruce Ziran, Wade Smith), Chapter 27.
4. **Richard RD**, Horwitz, DS. **“Infectious Complications of Acetabular fractures,”** Acetabular Fractures, Publisher: JP Medical Publishers, (Ed: Bruce Ziran, Wade Smith), Chapter 30.

## VIDEO PUBLICATIONS/MULTIMEDIA:

1. Natoli RM, Sardesai NR, **Richard RD**, Sorkin AT, Gaski GE, Virkus WW. **Intramedullary Nailing of Lower-Extremity Periarticular Fractures.** *JBJS Essent Surg Tech.* 2019;9(4):e35(1-2).
2. **Richard RD**, Mullis BH, Anglen JO. **Femoral Neck Closed Reduction and Percutaneous Pinning,** Operative Techniques in Orthopaedic Surgery, 3rd edition

## ORAL ABSTRACTS AND PRESENTATIONS:

1. Sardesai NR, Gaski GE, Cunningham C, Gunderson Z, **Richard RD**, Meagher A, McKinley T, Natoli RN. **Base Deficit as a Predictor of Fracture Nonunion in the Adult Polytraumatized Patient.** Orthopaedic Research Society 2020 Annual Meeting, February 8-11, 2020 in Phoenix, AZ
2. **Richard RD**, Beauchamp C, Bowen TR. **Orthopaedic Operating Room Equipment Cleanliness Measured With a Handheld ATP-Bioluminescence Assay.** Eastern Orthopaedic Association 2016 Annual Meeting, October 19-22, 2016 in New Orleans, LA
3. **Richard RD**, Deegan BF, Klena JC. **The Learning Styles of Orthopaedic Residents, Faculty and Applicants at an Academic Program.** American Society for Surgery of the Hand Resident & Fellows Educator Workshop, Sept 29-Oct 1, 2016 in Austin, TX
4. **Richard RD**, Beauchamp C, Bowen TR. **Orthopaedic Operating Room Equipment Cleanliness Measured With a Handheld ATP-Bioluminescence Assay.** Musculoskeletal Infection Society (MSIS) 2016 Annual Meeting, August 5-6, 2016 in Charlotte, NC
5. Kempegowda H, Tawari A, **Richard RD**, Suk M, Horwitz DS. **Role of Radiographic Evaluation in the Follow Up of Intertrochanteric Femur Fractures After 12 Weeks.** International Geriatric Fracture Society 2015 Annual Meeting, October 7, 2015 in San Diego, CA
6. **Richard RD**, Rutter M, Graham J, Bowen TR, Ghanem E. **Clopidogrel Use Prior to Hemiarthroplasty for Femoral Neck Fracture does not Preclude Good Outcome.** Eastern Orthopaedic Association 2015 Annual Meeting, June 17-20, 2015 in Maui, HI
7. Kempegowda H, Maniar H, **Richard RD**, Horwitz DS. **Posterior Malleolar Fractures Associated with Tibia Fractures and Sequence of Fixation.** Eastern Orthopaedic Association 2014 Annual Meeting, October 22-25, 2014 in Amelia Island, FL
8. Deegan BF, **Richard RD**, Bowen TR, Perkins RM, Graham JH, Foltzer MA. **Impact of Chronic Kidney Disease Stage on Lower-Extremity Arthroplasty.** Western Orthopaedic Association 2014 Annual Meeting, July 30-August 2, 2014 in Big Island, HI
9. Deegan BF, **Richard RD**, Bowen TR, Perkins RM, Graham JH, Foltzer MA. **Impact of Chronic Kidney Disease Stage on Lower-Extremity Arthroplasty.** HMO Research Network Conference Annual Meeting, April 1-3, 2014 in Phoenix, AZ
10. Irgit K., **Richard RD**, Cornelius, A., Andreychik, C., Horwitz, D., Bowen, T. **Outcomes of hemiarthroplasty in elderly undisplaced (AO/OTA 31B1) femoral neck fractures.** Eastern

Orthopaedic Association 2013 Annual Meeting, October 30-November 2, 2013 in Miami Beach, FL

11. Irgit K., **Richard RD**, Cornelius, A., Andreychik, C., Horwitz, D., Bowen, T. **Outcomes of hemiarthroplasty in elderly undisplaced (AO/OTA 31B1) femoral neck fractures.** International Geriatric Fracture Society 2013 Annual Meeting, October 9, 2013 in Phoenix, AZ
12. Irgit K, **Richard RD**, Bowen TR, Beebe M, Kubiak E, Horwitz DS. **Reverse Oblique Intertrochanteric Femoral Fractures (OTA/AO 31-A31, A32) Treated With the Cephalomedullary Nail.** International Geriatric Fracture Society 2013 Annual Meeting, October 9, 2013 in Phoenix, AZ
13. **Richard RD**, Suk M, Horwitz DS. **The use of functional outcome measures in articles published in the Journal of Bone and Joint Surgery (American Volume) over a ten year period.** Western Orthopaedic Association 2013 Annual Meeting, July 31-August 3, 2013 in Lake Tahoe, CA
14. Irgit K., **Richard RD**, Cornelius, A., Andreychik, C., Horwitz, D., Bowen, T. **Outcomes of hemiarthroplasty in elderly undisplaced (AO/OTA 31B1) femoral neck fractures.** Western Orthopaedic Association 2013 Annual Meeting, July 31-August 3, 2013 in Lake Tahoe, CA
15. Irgit K., **Richard RD**, Cornelius, A., Andreychik, C., Horwitz, D., Bowen, T. **Outcomes of hemiarthroplasty in elderly undisplaced (AO/OTA 31B1) femoral neck fractures.** European Federation of National Associations of Orthopaedics and Traumatology, FORTE Session, June 5, 2013 in Istanbul, Turkey
16. **Richard RD**, Suk M, Horwitz DS. **The use of functional outcome measures in articles published in the Journal of Bone and Joint Surgery (American Volume) over a ten year period.** Geisinger Orthopaedic Surgery Resident Research Day, May 31, 2013 in Danville, PA
17. Irgit K., **Richard RD**, Cornelius, A., Andreychik, C., Horwitz, D., Bowen, T. **Outcomes of hemiarthroplasty in elderly undisplaced (AO/OTA 31B1) femoral neck fractures.** Pennsylvania Orthopaedic Society 2013 Spring Scientific Meeting, April 12-13, 2013 in Atlantis Paradise Island, Bahamas
18. Brothers JG, Irgit K, Deegan B, **Richard RD**, Widmaier JC, Horwitz DS. **Open Reduction Internal Fixation and Acute Total Hip Arthroplasty for Complex Acetabular Fractures.** Pennsylvania Orthopaedic Society 2013 Spring Scientific Meeting, April 12-13, 2013 in Atlantis Paradise Island, Bahamas
19. Irgit K., **Richard RD**, Cornelius, A., Andreychik, C., Horwitz, D., Bowen, T. **Outcomes of hemiarthroplasty in elderly undisplaced (AO/OTA 31B1) femoral neck fractures.** American Academy of Orthopaedic Surgeons (AAOS) 2013 Annual Meeting, March 19-23, 2013 in Chicago, IL

#### **POSTER ABSTRACTS AND PRESENTATIONS:**

1. Pesante B, Pollard T, Onodera K, Tucker N, **Richard RD**, Mauffrey C, Parry J. **Variables Associated with Loss of Reduction After Plate Fixation of Pubic Symphysis Injuries.** Orthopaedic Trauma Association 2025 Annual Meeting, October 15-18, 2025 in Scottsdale, AZ

2. Kim Y, **Richard RD**, Scott B, Parry JA. An Acute Fixation Protocol for High-Energy Tibial Pilon Fractures Decreases Time to Fixation and Lowers Operative Costs Without Affecting Wound Complications. Orthopaedic Trauma Association 2023 Annual Meeting, October 18-21, 2023 in Seattle, WA
3. **Richard RD**, Beauchamp C, Bowen TR. **Orthopaedic Operating Room Equipment Cleanliness Measured With a Handheld ATP-Bioluminescence Assay.** Pennsylvania Orthopaedic Society 2016 Fall Scientific Meeting, October 13-14, 2016 in Pittsburgh, PA
4. Kempegowda H, **Richard RD**, Borade A, Tawari A, Graham J, Suk M, Howenstein A, Kubiak E, Horwitz DS. **Obesity is Associated with High Peri-Operative Complications among Surgically Treated Intertrochanteric Fracture of the Femur.** Orthopaedic Trauma Association 2016 Annual Meeting, October 6-8, 2016, in National Harbor, MD
5. Kempegowda H, Borade A, **Richard RD**, Tawari A, Howenstein AM, Kubiak EN, Suk M, Horwitz DS. **An Economic Analysis on the Role of Radiographs and Office Visits in the Follow-Up of a Healed Intertrochanteric Hip Fracture.** Orthopaedic Trauma Association 2016 Annual Meeting, October 6-8, 2016, in National Harbor, MD
6. Kempegowda H, Maniar H, **Richard RD**, Horwitz DS. **Posterior Malleolar Fractures Associated with Tibia Fractures and Sequence of Fixation.** Orthopaedic Trauma Association 2016 Annual Meeting, October 6-8, 2016, in National Harbor, MD
7. **Richard RD**, Beauchamp C, Bowen TR. **Orthopaedic Operating Room Equipment Cleanliness Measured With a Handheld ATP-Bioluminescence Assay.** Geisinger 22<sup>nd</sup> Annual Resident and Fellow Scholarship Day 2016, May 5, in Danville, PA
8. **Richard RD**, Beauchamp C, Bowen TR. **Orthopaedic Operating Room Equipment Cleanliness Measured With a Handheld ATP-Bioluminescence Assay.** Hanlon Society 2016 Annual Meeting, April 14-16, in Chambersburg, PA
9. Kempegowda H, Maniar H, **Richard RD**, Horwitz DS. **Posterior Malleolar Fractures Associated with Tibia Fractures and Sequence of Fixation.** American Academy of Orthopaedic Surgeons 2016 Annual Meeting, March 1-5, 2016, in Orlando, FL
10. Parrilla E, **Richard RD**, Rutter M, Graham J, Bowen TR, Ghanem E. **Clopidogrel Use Prior to Hemiarthroplasty for Femoral Neck Fracture does not Preclude Good Outcome.** Geisinger Resident Research Day, April 30, 2015, in Danville, PA
11. Parrilla E, **Richard RD**, Rutter M, Graham J, Bowen TR, Ghanem E. **Clopidogrel Use Prior to Hemiarthroplasty for Femoral Neck Fracture does not Preclude Good Outcome.** Pennsylvania Orthopaedic Society Spring Meeting, April 10-11, 2015, in Scottsdale, AZ
12. Parrilla E, **Richard RD**, Rutter M, Graham J, Bowen TR, Ghanem E. **Clopidogrel Use Prior to Hemiarthroplasty for Femoral Neck Fracture does not Preclude Good Outcome.** Academy of Orthopaedic Surgeons AAOS, March 24-28, 2015 in Las Vegas, NV
13. Parrilla E, **Richard RD**, Rutter M, Graham J, Bowen TR, Ghanem E. **Clopidogrel Use Prior to Hemiarthroplasty for Femoral Neck Fracture does not Preclude Good Outcome.** American Academy of Hip and Knee Surgery AAHKS, November 5-8, 2014 in Dallas, TX

14. Irgit KS, **Richard RD**, Deegan BF, Bowen TR, Horwitz DS. **Reverse Oblique Intertrochanteric Femoral Fractures (AO/OTA 31A3) Treated with the Cephalomedullary Nail.** Orthopaedic Trauma Association 2014 Annual Meeting, October 15-18, 2014 in Tampa, FL
15. Kempegowda H, Maniar H, **Richard RD**, Horwitz DS. **Posterior Malleolar Fractures Associated with Tibia Fractures and Sequence of Fixation.** Western Orthopaedic Association 2014 Annual Meeting, July 30-August 2, 2014 in Big Island, HI
16. Deegan BF, **Richard RD**, Bowen TR, Perkins RM, Graham JH, Foltzer MA. **Impact of Chronic Kidney Disease Stage on Lower-Extremity Arthroplasty.** 141<sup>st</sup> APHA Annual Meeting, November 2-6, 2013 in Boston, MA
17. Strohecker KA, **Richard RD**, Moore BE, Bowen TR. **Pediatric ATV Injuries: Incidence and Cost in the State of Pennsylvania.** 141<sup>st</sup> APHA Annual Meeting, November 2-6, 2013 in Boston, MA
18. Strohecker KA, **Richard RD**, Moore BE, Bowen TR. **Pediatric ATV Injuries: Incidence and Cost in the State of Pennsylvania.** Eastern Orthopaedic Association 2013 Annual Meeting, October 30-November 2, 2013 in Miami Beach, FL
19. Irgit K., **Richard RD**, Cornelius, A., Andreychik, C., Horwitz, D., Bowen, T. **Outcomes of hemiarthroplasty in elderly undisplaced (AO/OTA 31B1) femoral neck fractures.** Orthopaedic Trauma Association 2013 Annual Meeting, October 9-12, 2013 in Phoenix, AZ
20. Brothers JG, Irgit K, Deegan B, **Richard RD**, Widmaier JC, Horwitz DS. **Open Reduction Internal Fixation and Acute Total Hip Arthroplasty for Complex Acetabular Fractures.** Western Orthopaedic Association 2013 Annual Meeting, July 31-August 3, 2013 in Lake Tahoe, CA
21. Rutter M, **Richard RD**, Irgit K, Cush G. **The Medial Malleolar Sled: A New Device for the Fixation of Medial Malleolar Fractures.** American Orthopaedic Foot & Ankle Society, July 17-20, 2013 in Hollywood, FL
22. Irgit K., **Richard RD**, Cornelius, A., Andreychik, C., Horwitz, D., Bowen, T. **Outcomes of hemiarthroplasty in elderly undisplaced (AO/OTA 31B1) femoral neck fractures.** National Osteoporosis Foundation-Interdisciplinary Symposium on Osteoporosis, April 18-21, 2013 in Chicago, IL
23. **Richard RD**, Suk M, Horwitz DS. **The use of functional outcome measures in articles published in the Journal of Bone and Joint Surgery (American Volume) over a ten year period.** Geisinger Faculty Research Open House, March 18, 2013 in Danville, PA
24. **Richard RD**, Deegan B, Klena J. **The Learning Styles of Orthopaedic Residents, Faculty and Applicants at an Academic Program.** Geisinger Faculty Research Open House, March 18, 2013 in Danville, PA
25. Irgit K, **Richard RD**, Cornelius A, Andreychik C, Horwitz D, Bowen TR. **Outcomes of hemiarthroplasty in elderly undisplaced (AO/OTA 31B1) femoral neck fractures.** Geisinger Faculty Research Open House, March 18, 2013 in Danville, PA
26. Deegan BF, **Richard RD**, Bowen TR, Perkins RM, Graham JH, Foltzer MA. **Impact of Chronic Kidney Disease Stage on Lower-Extremity Arthroplasty.** Geisinger Faculty Research Open House, March 18, 2013 in Danville, PA

27. Strohecker KA, **Richard RD**, Moore BE, Bowen TR. **Pediatric ATV Injuries: Incidence and Cost in the State of Pennsylvania.** Geisinger Faculty Research Open House, March 18, 2013 in Danville, PA
28. Irgit KS, **Richard RD**, Deegan BF, Bowen TR, Horwitz DS. **Reverse Oblique Intertrochanteric Femoral Fractures (AO/OTA 31A3) Treated with the Cephalomedullary Nail.** Geisinger Faculty Research Open House, March 18, 2013 in Danville, PA
29. Brothers JG, Irgit K, Deegan B, **Richard RD**, Widmaier JC, Horwitz DS. **Open Reduction Internal Fixation and Acute Total Hip Arthroplasty for Complex Acetabular Fractures.** Geisinger Faculty Research Open House, March 18, 2013 in Danville, PA

#### **QUALITY IMPROVEMENT PROJECTS:**

1. Centura Splint/Cast A3 Initiative. Centura Parker Adventist Hospital, August 2021 in Parker, CO.
2. Centura System Wide VTE Prophylaxis Protocol after Trauma Surgery. Centura Health System, April 2021 in Denver, CO
3. Implementing a “SAFE Handoff” Process Between the OR and ICU settings. IU Health Methodist Hospital, April 2019 in Indianapolis, IN
4. ACGME Clinical Learning Environment Review (CLER) visit. IU Health Methodist Hospital, March 20, 2019 in Indianapolis, IN
5. ACGME Resident/Fellow as a Teacher Seminar. IU Health Methodist Hospital, April 18, 2019 in Indianapolis, IN

#### **MEDIA AND TELEVISION APPEARANCES:**

1. Fox 31 Denver Pinpoint Weather. Live local cable network television invited guest interview: Snow Shoveling Tips. December 27, 2022. Denver, CO.  
<https://www.youtube.com/watch?v=aD2bD7-p8ZE>