

Emily Anne Whicker, MD

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Employment

The Orthopaedic Center of St. Louis
Chesterfield, MO

Orthopaedic Sports Medicine Physician, 2024-Present

Fellowship Training

Steadman-Philippon Research Institute
Vail, CO

Sports Medicine Fellowship, Class of 2024

Residency Training

University of Pittsburgh Medical Center
Pittsburgh, PA

Orthopaedic Residency, Class of 2023

Drexel University School of Medicine
Philadelphia, PA

Orthopaedic Internship, June 2018-August 2019

Education

Emory University School of Medicine
Atlanta, GA

Class of 2018

Doctor of Medicine

Williams College
Williamstown, MA

Class of 2013

Bachelor of Arts in Biology; Certificate in Spanish
Graduated with Honors

Licensure and Certification

MO State Medical Board License *2024-present*

CO State Medical Board License *2022-present*

USMLE Step 1-3: Pass

ATLS Certification *2018-present*

ACLS Certification *2018-present*

BLS Certification *2014-present*

Wilderness First Responder *2011-2013*

Team Coverage

US Ski and Snowboard Pool Team Physician, Are Sweden, Portillo, Chile, Gudauri, Georgia 2023-Present

Professional Lacrosse League Pool Team Physician, Albany, NY 2023-Present

Team Physician, Battle Mountain High School, Edwards, CO, 2023-2024

Team Physician, University of Pittsburgh, Pittsburgh PA, 2019-2023

Team Physician, Deer Lakes High School, Thomas Jefferson High School, Central Catholic, Pittsburgh PA, 2019-2023

Teaching Activities

Advisor, Women in Orthopedics Interest Group, St. Louis University School of Medicine, St. Louis MO 2024-Present

Shoulder Anatomy Section Leader, University of Pittsburgh Medical Center, Pittsburgh PA 2020-2021

Member, Resident Education Committee, Pittsburgh PA, 2021-Present

Co-Mentor, Endocrine-Reproduction Module, Emory Medical School, Atlanta GA 2017

Judge, Medical Student Teaching Competition, Emory Medical School, Atlanta GA 2017

Teaching Assistant- Genetics Laboratory, Biochemical Laboratory *Biology Department, Williams College, Williamstown MA 2012-2013*

Leadership and Volunteer Activities

Co-Chair, Women in Orthopaedics Mentorship Committee, Pittsburgh PA, 2020-2023
Co-Chair, Women in Sports Medicine Mentorship Committee, Pittsburgh PA, 2020-2023
Board Member, Perry Initiative, UPMC Chapter, Pittsburgh PA, 2021- 2023
Member, Resident Mentorship Committee, Pittsburgh PA, 2021-2023
Co-GME Support Chief, Pittsburgh PA, 2021-2023
Co-President, Concussion Recognition and Seeking Help Group (CRASH) Atlanta, GA 2014-2018
President, Central Night and Gateway Free Clinics Atlanta, GA, 2014-2015
Volunteer, Greenwood Street Medical Clinic, Worcester MA 2013-2014
Member, Williams College Varsity Lacrosse team Williamstown, MA 2009-2013
Volunteer, Williams College Rape and Sexual Assault Network Williamstown, MA 2009-2013
Volunteer, Williams Initiative for Student Health in Elementary Schools, Williamstown, MA 2012
Volunteer, Hospital Nacional de Niños San Jose, Costa Rica 2011
Volunteer, Williamstown Elementary School, Williamstown, MA 2010
Leader, Wilderness Outdoor Orientation for Living as First-Years Williamstown, MA 2010
Volunteer, The Ivymount School, Rockville, MD 2007

Awards and Honors

Finalist in the VJSM Fellows Video Competition, AOSSM, 2024
Intercollegiate Women's Lacrosse Coaches Association Academic Honor Roll 2013
Intercollegiate Women's Lacrosse Coaches Association Second Team All-Region 2013
Williams College Dean's List: Fall 2010, Spring 2011, Fall 2011, Spring 2012, Fall 2012, Spring 2013
US Lacrosse High School Girl's Academic All-American, 2009

Professional Associations

American Orthopaedic Society for Sports Medicine, Member 2018-Present
American Academy of Orthopaedics, Member 2018-Present
Ruth Jackson Orthopaedic Society, Member 2018-Present
American Medical Association, Member, 2014-2018
Emory Orthopedic Interest Group, Co-President, Board Member, M1 President, 2014-2018

Publications

1. DeFoor M, **Whicker E**, Marco Adriani M, Whalen R, Provencher MT, "Treatment of failed lateral meniscal oblique radial tear repair with segmental allograft meniscus transplantation" *Arthroscopy Techniques*. 2025 Jan ISSN 2212-6287
2. Carpenter E, **Whicker E**, Whalen R, Dickinson N, Provencher MT, "Imaging pearls and findings after prior shoulder stabilization" *Operative Techniques in Sports Medicine*. 2024 Dec ISSN 1060-1872
3. **Whicker E**, Afetse, E, Abouhaif, T; Knezic, N, Hackett, T, Double Popliteus Sign in Multiligament Knee Injury: Two Case Reports. *JBJS Case Connector* 14(4):e24.00081, October-December 2024. | DOI: 10.2106/JBJS.CC.24.00081
4. Anderson MJJ, Hollenbeck JFM, Drumm AH, **Whicker E**, et al. Medial Meniscotibial Ligament Deficiency Increases Medial Meniscus Extrusion and Posterior Root Forces. *The American Journal of Sports Medicine*. 2025;0(0). doi:10.1177/03635465241309671
5. **Whicker E**, Arner JW, Edwards C, Bradley JP. "Outcomes After Revision Posterior Shoulder Capsulolabral Repair in Adolescent Athletes." *OJSM*. 2023;11(8). doi:10.1177/23259671231188390 PMID: 37538533

6. Hughes J, Davis B, **Whicker E**, Sprowls G, Barrera L, Baradaran A, Sabzevari S, Shaw A, Lin A, “*All nonarthroplasty surgical treatment options for irreparable rotator cuff tears have improved clinical and patient-reported outcomes postoperatively-A systematic review of literature within the past 10 years*” *Knee Surg Sports Traumatol Arthrosc.* 2022 Aug 16. doi: 10.1007/s00167-022-07099-9. PMID: 35972518.
7. Drain N, Murawski C, Rothrauff B, Boden S, Wagala N, **Whicker E**, Lesniak B, Musahl V. “*Freddie Fu: A Leader of Leaders*” *Knee Surg Sports Traumatol Arthrosc.* 2022 Jan;30(1):13-15. doi: 10.1007/s00167-021-06821-3. Epub 2022 Jan 5. PMID: 34985530.
8. Hanna M, **Whicker E**, Traub B, Allam E, Labib S, “*Sport activity levels following ankle fusion*” *International Orthopaedics*, July 2021. PMID: 34228148
9. Hughes J, Gibbs C, Rajiv R, **Whicker E**, Vaswani R, Eibel A, Talentino S, Popchak A, Lesniak B, Lin A, “*Repair of high-grade partial thickness supraspinatus tears after surgical completion of the tear have a lower retear rate when compared to full thickness tear repair*” *Knee Surgery, Sports Traumatology and Arthroscopy*, March 2021; 29(7):2370-2375 PMID: 33683392
10. **Whicker E**, Williams C, Krichner G, Khalsa A, Mulcahey M, “*What proportion of women orthopaedic surgeons report having been sexually harassed during residency training? A survey study*” *Clinical Orthopaedics and Related Research*, Nov 2020; 478(11):2598-2606. PMID:329556144
11. Martin CT, Niu S, **Whicker E**, Ward L, Yoon ST, “*Radiographic factors affecting lordosis correction after transforaminal lumbar interbody fusion with unilateral facetectomy.*” *International Journal of Spine Surgery.* October 2020;14(5):681-686. PMID: 33097580
12. Hwang R, Boniello A, **Whicker E**, Richardson M, Star A, “*Trends in orthopaedic research: An analysis of podium presentations at the AAOS annual meetings from 2008-2018*” *Trends in Research* Dec, 2019; 3(1-2), DOI: 10.15761/TR.1000155
13. Runner R, **Whicker E**, De S. “*Delayed radial nerve palsy after closed reduction of a pediatric humeral shaft fracture.*” *Case Reports in Orthopedics.* Epub Dec 2017. PMID: 29445558

Presentations and Abstracts

1. **Whicker E**, Hollenbeck J, Rizzo M, Vidal A, Provencher MT, et al. The Effect of Medial and Lateral Tibial Slope Asymmetry on Anterior Tibial Translation, Internal Knee Rotation, and ACL Graft Force in the Setting of an ACL Reconstruction. Poster presentation at the American Orthopaedic Society for Sports Medicine Annual Meeting, Nashville TN, July 2025
2. Hawryluk C, Whicker E, Rothrauff B, Millett P, “Return to Sports and Outcomes after Operative Fixation of Proximal Humerus Fractures while Skiing or Snowboarding” Poster Presentation at the Shoulder 360 Meeting, Miami FL, April 2025
3. Hollenbeck J, **Whicker E**, Rizzo M, Vidal A, Provencher MT, et al. The Effect of Medial and Lateral Tibial Slope Asymmetry on Anterior Tibial Translation, Internal Knee Rotation, and ACL Graft Force in the Setting of an ACL Reconstruction. Poster presentation at the Orthopaedic Research Society Annual Meeting, Phoenix AZ, February 2025
4. **Whicker E**, Afetse E, Godin, J, “Anterolateral Segmental Meniscal Allograft Transplantation” Finalist at the VJSM fellows Video Competition at the American Orthopaedic Society for Sports Medicine Annual Meeting, Denver CO, July 2024
5. **Whicker E**, Anderson M, Hollenbeck J, Drumm A, Vidal A, “The Relationship Between Medial Meniscus Extrusion and Medial Meniscus Posterior Root Forces in the Setting of Meniscotibial Ligament Insufficiency” Poster presentation at the American Orthopaedic Society for Sports Medicine Annual Meeting, Denver CO, July 2024
6. **Whicker E**, Arner JW, Edwards C, Bradley JP, “*Outcomes of revision posterior shoulder capsulolabral repair in adolescents*” Poster presentation at the Resident Research Symposium, Vail, CO, August 2023

7. **Whicker E**, Arner JW, Edwards C, Bradley JP, “*Outcomes of revision posterior shoulder capsulolabral repair in adolescents*” Poster presentation at the Arthroscopy Association of North America, New Orleans, LA, May 2023
8. **Whicker E**, Arner JW, Edwards C, Bradley JP, “*Outcomes of revision posterior shoulder capsulolabral repair in adolescents*” Podium presentation at the American Academy of Orthopaedic Surgeons Annual Meeting, Las Vegas, NV, March 2023
9. **Whicker E**, Arner JW, Edwards C, Bradley JP, “*Outcomes of revision posterior shoulder capsulolabral repair in adolescents*” Podium presentation at the American Shoulder and Elbow Surgeons Annual Meeting, Atlanta GA, October 2022
10. **Whicker E**, Arner JW, Edwards C, Bradley JP, “*Outcomes of revision posterior shoulder capsulolabral repair in adolescents*” Poster presented at the American Orthopaedic Society for Sports Medicine Annual Meeting, Colorado Springs CO, July 2022
11. **Whicker E**, Arner JW, Edwards C, Bradley JP, “*Outcomes of revision posterior shoulder capsulolabral repair in adolescents*” Poster presented at the ESSKA Congress, Paris, France, April 2022
12. **Whicker E**, Williams C, Krichner G, Khalsa A, Mulcahey M, “*What proportion of women orthopaedic surgeons report having been sexually harassed during residency training? A survey study*” Poster presented at the American Academy of Orthopaedic Surgeons Annual Meeting, San Diego CA, August 2021
13. Hughes J, Gibbs C, **Whicker E**, Reddy R, Vaswani R, Eibel A, Talentino S, Popchak A, Lesniak B, Lin A, “*Repair of high-grade partial thickness supraspinatus tears after surgical completion of the tear have a lower retear rate when compared to full thickness tear repair*” Poster presented at the American Academy of Orthopaedic Surgeons Annual Meeting, San Diego CA, August 2021
14. **Whicker E**, Hughes J, Puyana J, Patel N, Fong E, Kane G, Tublin J, Popchak A, Lesniak B, Lin A, “*Outcomes following supraspinatus and subscapularis repairs versus isolated supraspinatus repairs*” Poster presented at the American Orthopaedic Society for Sports Medicine Annual Meeting, Nashville TN, July 2021
15. **Whicker E**, Williams C, Krichner G, Khalsa A, Mulcahey M, “*What proportion of women orthopaedic surgeons report having been sexually harassed during residency training? A survey study*” Abstract presented at the American Orthopaedic Association Annual Leadership Meeting, Virtual Meeting, June 2021
16. **Whicker E**, Williams C, Krichner G, Khalsa A, Mulcahey M, “*What proportion of women orthopaedic surgeons report having been sexually harassed during residency training? A survey study*” Abstract presented at the Louisiana Orthopaedic Society National Meeting, Virtual Meeting, March 2021
17. **Whicker E**, Maestre S, Moloney G, “*Women in orthopaedic surgery*” Grand Rounds presented at UPMC, Pittsburgh, PA, February 2021
18. Hughes J, Gibbs C, **Whicker E**, Rajiv R, Vaswani R, Eibel A, Talentino S, Popchak A, Lesniak B, Lin A., “*Repair of high-grade partial thickness supraspinatus tears after surgical completion of the tear have a lower retear rate when compared to full thickness tear repair*” Poster presented at the Pennsylvania Orthopaedic Society Annual Meeting, October 2020
19. **Whicker E**, Hughes J, Puyana J, Patel N, Fong E, Kane G, Tublin J, Popchak A, Lesniak B, Lin A, “*Outcomes following supraspinatus and subscapularis repairs versus isolated supraspinatus repairs*” Poster presented at the Pennsylvania Orthopaedics Society Annual Meeting, Pittsburgh, PA, October 2020
20. **Whicker E**, Crasto J, Dede O, “*Developmental hip dysplasia*” Grand Rounds presented at UPMC, Pittsburgh, PA, April 2020
21. **Whicker E**, Boakye L, Olgun, “*Casting in pediatric orthopaedic Surgery: Pearls, pitfalls and updates*” Grand Rounds presented at UPMC, Pittsburgh PA, December 2019

22. Traub B, **Whicker E**, Labib S, “*A comparison of pre- and post-operative activity levels following ankle arthrodesis.*” Abstract presented at the Eastern Orthopaedic Association, Amelia Island, FL, September 2018
23. **Whicker E**, Briggs A, McKinney J, Willett N, Labib SA, “*Intraosseous or intraarticular bone marrow aspirate concentrate (BMAC) versus saline for treatment of cartilage defects in a rat knee model*” Oral presentation at the Drexel University School of Medicine Research Day, Philadelphia, PA, June 2018
24. Sirmon B, Premkumar A, **Whicker E**, Gottschalk M, “*Predictors for delayed discharge after total joint arthroplasty of the hip and knee*” Podium presentation at Kelly Day. Atlanta, GA. June 9, 2017
25. Martin CT, Niu S, **Whicker E**, Ward L, Yoon ST, “*Factors affecting lordosis correction after TLIF.*” Poster Presentation at the AO Spine Fellows Meeting. Banff, Alberta Canada. March, 2017.
26. Sirmon B, Premkumar A, **Whicker E**, Gottschalk M, “*Predictors for delayed discharge after total joint arthroplasty of the hip and knee.*” Poster Presentation at the AOA Annual Meeting. Seattle, WA, June 2016
27. Sirmon B, Premkumar A, **Whicker E**, Gottschalk M, “*Predictors for delayed discharge after total joint arthroplasty of the hip and knee.*” Podium presentation at the AAOS Annual Meeting. Orlando, FL, March 2016
28. **Whicker E**, Altschuler, M. “*Demonstrating chromosome fragmentation and telomere addition in Tetrahymena thermophila.*” Thesis accepted for the Williams College Department of Biology Honors Program. Williamstown, MA, May 2013

Current Research Projects

1. “*Barriers to Women pursuing careers in sports medicine*” Whicker E, Provencher MT
2. “*Contact mechanics following independent medial and lateral tibial slope correcting osteotomy*” Whicker E, Provencher MT
3. “*Outcomes of ACL reconstruction in patient over the age of 40*” Whicker E, Millett P, Provencher MT, Hackett T
4. “*Injuries and return to play among athletes in the PLL*” Whicker E, Provencher MT

Work Experience

Research Associate- UMass Medical School, *Finberg Lab, Worcester, MA June 2013-May 2014*
Lacrosse Coach, *CMass Lacrosse Club Southborough, MA 2013-2014*
Spin Instructor, *Emory University, Atlanta GA, 2014-2015*
Alpine Ski Instructor, *Williams Outing Club Williamstown, MA 2010-2013*

Other Skills and Hobbies

Proficient in Spanish
Skiing, Hiking, Cooking