
EDUCATION AND TRAINING

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|---|-----------------|
| University of Nottingham – Queens Medical Center <i>AO Trauma John Border Memorial Fellowship</i> | 08/2019-10/2019 |
| University of Texas Health Science Center at Houston <i>Orthopaedic Trauma Fellowship</i> | 08/2018-08/2019 |
| Rutgers University-New Jersey Medical School - Department of Orthopaedic Surgery <i>Orthopaedic Surgery Resident/Administrative Chief Resident</i> | 07/2013-07/2018 |
| University of Kansas School of Medicine Doctor of Medicine | 07/2009-05/2013 |
| University of Kansas B.A. in Microbiology and Arabic Language | 08/2005-05/2009 |

EMPLOYMENT HISTORY

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|---|---------|
| Orlando Health Jewett Orthopedic Institute Orthopaedic Traumatologist Chief of Orthopedic Research Chairman of Orthopedic Surgery Orlando Regional Medical Center | Current |
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ACADEMIC AFFILIATIONS

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| Assistant Professor of Orthopaedic Surgery Florida State University University of Central Florida | Current |
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CERTIFICATIONS AND LICENSES

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| American Board of Orthopedic Surgery – Fully Board Certified | 11/2021 |
| Florida State Medical License | 10/2019 |

AWARDS AND HONORS

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| Orlando Health Orthopedic Surgery Residency Faculty Teaching Award | 2023 |
| AO Trauma John Border Memorial Fellowship | August-October 2019 |
| AO Trauma Fellows Experience Davos Grant Recipient | 2018 |
| AO Trauma Research Grant Recipient | 2018 |
| Rutgers University – New Jersey Medical School Fred A. Behrens Award | 06/2018 |
| Rutgers University – New Jersey Medical School Senior Resident Research Award | 06/2018 |
| Rutgers University – New Jersey Medical School Administrative Chief Resident Award | 06/2018 |
| Eastern Orthopaedic Association: New Jersey Orthopaedic Society Research Award | 10/2017 |
| Alpha Omega Alpha Medical Honor Society Nominee | 2013 |
| Pre-Medical Orthopaedic Research Fellowship - KU School of Medicine | 2009 |
| Endowment Meritorious Scholar – University of Kansas | 2009 |
| Dean’s List – University of Kansas | 2005-2009 |

LEADERSHIP EXPERIENCE

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|---|-------------------|
| Chairman of Orthopedic Surgery Orlando Regional Medical Center | 07/2025 – Current |
| Executive Research Committee Member Orlando Regional Medical Center | 11/2023 – Current |
| Vice Chairman of Orthopedic Surgery Orlando Regional Medical Center | 07/2023 – 07/2025 |
| Orthopedic Member of Surgical Governance Board Orlando Regional Medical Center | 12/2023 – Current |
| Orthopedic Member of Trauma Quality Board Orlando Regional Medical Center | 05/2023 - Current |
| Chief of Orthopedic Research Orlando Health Jewett Orthopedic Institute | 03/2021 – Current |
| Orlando Health Ambulatory Surgery Center Steering Committee Representative of Orthopedic Trauma Division for Surgery Center Construction | 01/2021 – 07/2023 |
| Administrative Chief Resident Rutgers – New Jersey Medical School - Department of Orthopaedic Surgery | 07/2017- 07/2018 |
| NJMS Orthopaedic Surgery Student Interest Group Held workshops for medical students interested in orthopaedic surgery. | 07/2013-06/2018 |
| Rutgers-NJMS Resident Advisory Council Representative of the orthopaedics department attend monthly meetings to discuss the state of the residency with representatives of other specialties. | 08/2013-06/2018 |
| Rutgers-NJMS Junior Resident Training Committee Selected to coordinate three-day teaching session for prospective PGY-2 orthopaedic residents. | 06/2016 |
| Cultural Exchange Program President – KU School of Medicine Organized and planned events for the Cultural Exchange Program. | 07/2010-07/2011 |
| International Advisory Council Member – KU School of Medicine Organized and planned events and lectures for the entire medical center to increase cultural awareness. | 07/2010-07/2011 |

PROFESSIONAL AND RESEARCH EXPERIENCE

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|--|-------------------|
| European Journal of Orthopaedic Surgery & Traumatology – Journal Reviewer | 06/2025 - Current |
| Journal of the American Academy of Orthopaedic Surgeons – Journal Reviewer | 6/2023 - Current |
| Journal of Orthopaedic Trauma – Journal Reviewer | 12/2023 – Current |
| Injury – Journal Reviewer | 11/2019 – Current |
| Journal of Children’s Orthopedics - Journal Reviewer | 11/2019 – Current |
| Orthobullets.com Author and Reviewer | 08/2017 – Current |
| Pre-Medical Orthopaedic Research Fellowship | 05-07/2013 |

KU Department of Orthopaedic Surgery – Kansas City, KS

PI: Jinxu Wang, MD, PhD

Laboratory Assistant

University of Kansas Department of Molecular Biology – Lawrence, KS

PI: Dean Stetler, PhD

08/2008-05/2009

Arabic Language Instructor/Tutor

University of Kansas Department of African and African American Studies – Lawrence, KS

07/2008-05/2009

Arabic/English Lecture Series on Western/Arab Media

University of Kansas Department of African and African American Studies – Lawrence, KS

07/2008-05/2009

PUBLICATIONS

1. An Evaluation of Reliability in Measurement of Native Femoral Torsion on CT Imaging
Shaath MK, Ahn D, Ippolito JA, Lee J, Galloway J, Sirkin MS, Reilly MC, Adams MR
Eur J Orthop Surg Traumatol. 2025 Dec 24;36(1):55. doi: 10.1007/s00590-025-04637-2.
2. Clinical Outcomes and Safety Profile of Open and Arthroscopic Subtalar Joint Arthrodesis: A Systematic Review
Encinas R, Kiriluk S, Reed L, Jackson J, **Shaath MK**, Gonzalez T
J Am Acad Orthop Surg. 2025 Oct 15. doi: 0.5435/JAAOS-D-25-00920.
3. Retrograde Nail/Plate Combination for Interprosthetic Femoral Fractures: Technical Note and Case Series
Shaath MK, Page B, Rechter GR, Nasir BA, Jacobs E, Haidukewych GJ
Eur J Orthop Surg Traumatol. 2025 Jun 17;35(1):253. doi: 10.1007/s00590-025-04365-7.
4. Does CT Improve the Accuracy of Predicting Implant Fixation Status for Periprosthetic Fractures Around Uncemented Femoral Components
Courington R, Ferreira R, **Shaath MK**, Green C, Langford J, Haidukewych GJ
Bone Joint J. 2025 Jun 1;107-B(6 Supple B):42-46. doi: 10.1302/0301-620X.107B6.BJJ-2024-0829.R1.
5. Brooks P, **Shaath MK**, Williamson M, Nasir BA, Avilucea F, Jacobs E, Langford JR, Haidukewych GJ
Conversion to Total Hip Arthroplasty After Acetabular Fracture Fixation: Comparing the Direct Anterior Approach to Conventional Approaches
Injury. 2025 May 27;56(8):112460. doi: 10.1016/j.injury.2025.112460.
6. **Shaath MK**, Page BE, Nasir BA, Rechter GR, Casin A, Yawman JP, Jacobs E, Langfords JR, Haidukewych GJ
Excellent Results with Low Reoperation Rates After Fixation of Patella Fractures With a New Anatomically Contoured Plating System
J Orthop Trauma. 2025 Jun 4. doi: 10.1097/BOT.0000000000003025.
7. **Shaath MK**, Ferreria R, Page B, Rechter G, Nasir BA, Haidukewych GJ
The Impact of Time to Surgical Debridement on Infection Rates in Open Tibial Shaft Fractures Treated with Immediate Medullary Nailing
J Orthop Trauma. 2025 Apr 22. doi: 10.1097/BOT.0000000000002997.
8. Schwartzman J, **Shaath MK**, Kerr MS, Green GC, Haidukewych GJ

ChatGPT is an Unreliable Source of Peer-Reviewed Information for Common Total Knee and Hip Arthroplasty Patient Questions

Adv Orthop. 2025 Jan 6;2025:5534704. doi: 10.1155/aort/5534704. eCollection 2025.

9. **Shaath MK**, Page B, Nasir BA, Rechter G, Haidukewych GJ
Increased Lag-Screw Slide in a New-Generation Cephalomedullary Nail after Treatment of Geriatric Intertrochanteric Femoral Fractures
J Orthop Trauma. 2025 Jan 10. doi: 10.1097/BOT.0000000000002961.
10. R. Courington, R. Ferreira, **Shaath MK**, Green C, Langford JR, Haidukewych GJ
Does the Addition of CT Improve the Accuracy of Determination of Implant Fixation Status for Periprosthetic Fractures of the Proximal Femur?
Orthopaedic Proceedings 106-B(SUPP_16):82-82. doi: 10.1302/1358-992X.2024.16.082
11. **Shaath MK**, Kerr MW, Haidukewych GJ
Clinical and Radiographic Results of a Retrograde Nail – Washer Combination Versus Lateral Locked Plating for Distal Femur Fractures
J Orthop Trauma. 2024 Nov 1;38(11):584-591. doi: 10.1097/BOT.0000000000002899.
12. **Shaath MK**, Williams WA, Kelly JJ, Garrett CH, Munro MW, Avilucea FR, Langford JR, Haidukewych GJ
Clinical and Radiographic Results Following Treatment of Traumatic Syndesmotic Instability Utilizing a Novel Screw-Suture Syndesmotic Fixation Device
J Orthop Trauma. 2024 Aug 1;38(8):e302-e306. doi: 10.1097/BOT.0000000000002824.
13. Kerr MS, Yawman JP, Kelly JJ, **Shaath MK**, Langford JR
Chiropractic Manipulation Causing Anterior-Posterior Compression Type Pelvic Ring Injury
JBJS Case Connect. 2023 Dec 8;13(4). doi: 10.2106/JBJS.CC.23.00291. eCollection 2023 Oct 1
14. **Shaath MK**, Garrett CH, Pattisapu N, Routt ML
Obstetricians are Likely to Elect for Cesarean Section in Women with Retained Pelvic Implants: A Radiographic Survey Study
Eur J Orthop Surg Traumatol. 2023 Dec 22. doi: 10.1007/s00590-023-03803-8.
15. Amer KM, Congiusta DV, Smith B, Jain K, **Shaath MK**, DalCortivo RL, Ahmed IH, Vosbikian MM
Cephalomedullary Nailing has a Higher Reoperation Rate Compared to Sliding Hip Screw Fixation in the Treatment of Intertrochanteric Femur Fractures: A Systematic Literature Review and Meta-analysis
Arch Bone Jt Surg. 2023;11(10):595-604. doi: 10.22038/ABJS.2023.64311.3088
16. **Shaath MK**, Garret CH, Lin J, Avilucea FR, Munro MW, Langford JR, Haidukewych GJ
The Evolution of the Musculoskeletal Trauma Section of the Orthopaedic In-Training Examination
J Am Acad Orthop Surg Glob Res Rev. 2023 Apr 12;7(4):e22.00184. doi: 10.5435/JAAOSGlobal-D-22-00184. eCollection 2023 Apr 1.
17. **Shaath MK**, Kerr MS, Schwartzman JD, Avilucea FR, Munro MW, Langford JR, Haidukewych GJ
Positive Correlation Between Social Utilization by Orthopedic Journals and Impact Factor
Shaath MK, Kerr MS, Schwartzman JD, Avilucea FR, Munro MW, Langford JR, Haidukewych GJ
JAAOS Global Research and Reviews. 7(7):e23.00009, July 2023. DOI: 10.5435/JAAOSGlobal-D-23-00009
18. **Shaath MK**, Yawman J, Anderson T, Avilucea FR, Langford JR, Munro MW, Haidukewych GJ

Fellowship-Trained Orthopaedic Trauma Surgeons Achieve Better Postoperative Radiographic Parameters After Intramedullary Nailing of Intertrochanteric Femur Fractures when Compared With Non-trauma-Trained Surgeons
J Am Acad Orthop Surg. 2023 Jun 5. doi: 10.5435/JAAOS-D-22-00877.

19. Lim PK, Miller AJ, Haghverdian J, Meremikwu, **Shaath MK**, Munz JW
Sinus Tarsi Versus Extended Lateral Approach for Displaced Intra-Articular Calcaneal Fractures: A Single Surgeon's Experience
Foot Ankle Spec. 2023 Apr 3;19386400231152096. doi: 10.1177/19386400231152096.
20. Kerr MS, Young EG, **Shaath MK**, Avilucea FR, Adigweme OO, Haidukewych GJ
Periprosthetic Distal Femur Fractures Treated by Retrograde Intramedullary Nails with a 10-degree Distal Bend Achieve Significantly Better Post-Operative Radiographic Alignment When Compared to Conventional Retrograde Nails
Injury. 2022 Nov 12;S0020-1383(22)00859-2. doi: 10.1016/j.injury.2022.11.029.
21. Zeblicky P, Collins A, Cassinat J, Riemenschneider J, Ebaugh P, **Shaath MK**, Service BC
Is Video-Based Analysis a Valid Method for Determining Mechanisms of Ankle Injuries During Gameplay in the National Basketball Association?
Orthop J Sports Med. 2022 Oct 27;10(10):23259671221123027. doi: 10.1177/23259671221123027
22. **Shaath MK**, Avilucea FR, Kerr MS, Young E, Mackenzie R, Langford J, Haidukewych GJ
Treatment of Diaphyseal Tibial Fractures Distal to a Total Knee Arthroplasty by Intramedullary Nailing is Safe and Effective
J Orthop Trauma. 2022 doi: 10.1097/BOT.0000000000002438
23. **Shaath MK**, Haidukewych GH
Fixation of Distal Femoral Periprosthetic Fracture with a Retrograde Nail and Locking Attachment Washer Combination: A Case Report
J Orthop Trauma Case Reports. 2021 DOI: 10.1097/BOT.0000000000002272
24. **Shaath MK**, Avilucea FR, Lim PK, Routt ML
A New Algorithm for Classifying Acetabular Fracture Patterns on Three-Dimensional Computed Tomography Reconstructions Significantly Improves Residents' Ability to Correctly Classify Fractures
JAAOS. 2021 Sep 16. doi: 10.5435/JAAOS-D-20-00872.
25. **Shaath MK**, Avilucea FR, Garrett CH, Munro M, Langford JR, Haidukewych GH
Theme Park Water Slides: A New Mechanism of Causing 61B2.3 Pelvic Ring Injuries: A Case Series
JBJS Case Connect. 2021 Jul 8;11(3). doi: 10.2106/JBJS.CC.21.00055.
26. Gausden EB, Lim PK, Rabinovich A, **Shaath MK**, Mitchell PM, Hartline B, Achor TS, Warner SJ
Outcomes of Periprosthetic Distal Femur Fractures Following Total Knee Arthroplasty: Intramedullary Nailing Versus Plating
Injury. 2021 May 12;S0020-1383(21)—432-0. Doi: 10.1016/j.injury.2021.05.007.
27. Mitchel PM, **Shaath MK**, Routt ML
Clamp Assisted Reduction of the Transverse Acetabular Fracture with Anterior Column Screw Fixation and Posterior Plating: A Technical Trick and Case Series
The Journal of Orthopaedic Trauma. 2021 Oct 7. doi: 10.1097/BOT.0000000000002116.
28. Levin S, Krummins R, **Shaath MK**, Avilucea FR

Clinical Outcomes in Prone Positioning for Percutaneous Fixation of Posterior Column Acetabular Fractures
European Journal of Trauma and Emergency Surgery. 2021 Mar 19. doi: 10.1007/s00068-021-01636-w.

29. Garrett CH, **Shaath MK**, Avilucea FR
Caffeine Consumption Among Orthopedic Residents is Higher Than the General Population
Int J Ortho Res 2021. Jan;4(1): 1-4
30. **Shaath MK**, Avilucea FR, Routt ML
Transverse and Transverse-Variant Acetabular Fractures with Ipsilateral Sacroiliac Joint Injuries: A Technical Note for Reduction and Stabilization
Injury. 2021 Jan 2;S0020-1383(20)31041-X.
31. Avilucea FR, **Shaath MK**, Kozlowski R, Reziae N
Modified Use of a Fibular Strut in the Reduction and Stabilization of 2-Part Osteoporotic Proximal Humerus Fractures
JAAOS Global. 2020 Oct 16;4(10):e20.00153 doi: 10.5435/JAAOSGlobal-D-20-00153.
32. **Shaath MK**, Lim PK, Andrews R, Routt ML
Morbid Obesity and Short-Term Complications Following Acetabular Fracture Surgery: A Comparative Cohort Study
Injury. 2020 Nov;51(11):2622-2627. doi: 10.1016/j.injury.2020.08.021. Epub 2020 Aug 14.
33. **Shaath MK**, Avilucea FR, Lim PK, Warner SJ, Achor TS
Increasing Fellow Recruitment: How Can Fellowship Program Websites Be Optimized?
JAAOS. 2020 Mar 30 doi: 10.5435/JAAOS-D-19-00804.
34. **Shaath MK**, Warner SJ, Kellam JF, Achor TS
The Competitive Orthopaedic Trauma Fellowship Applicant: A Program Director's Perspective
JAAOS Global. 2021 May 6;5(5):e20.00175. doi: 10.5435/JAAOSGlobal-D-20-00175.
35. **Shaath MK**, Lim PK, Andrews R, Gausden EB, Mitchell PM, Tissue CM, Routt ML,
Clinical Results of Acetabular Fracture Fixation Using a Focal Kocher-Langenbeck Approach Without a Specialty Traction Table
J Orthop Trauma. 2020 Jan 4 doi: 10.1097/BOT.0000000000001723
36. **Shaath MK**, Ippolito JA, Adams MR, Sirkin MS, Reilly MC
The Role of CT Scan in the Diagnosis of Acetabular Fracture in the Immature Pelvis
J Orthop Trauma. 2019 Feb;33 Suppl 2:S32-S36. doi: 10.1097/BOT.0000000000001414.
37. Sobol GL, **Shaath MK**, Adams MR, Reilly MC, Sirkin MS
The Incidence of Posterior Malleolar Involvement in Distal-Third, Spiral Tibia Fractures: Is It Higher Than We Think?
J Orthop Trauma. 2018 Sep 10. doi: 10.1097/BOT.0000000000001307.
38. **Shaath MK**, Shah H, Adams MR, Sirkin MS, Reilly MC
Management and Outcome of Transepiphyseal Femoral Neck Fracture Dislocation with Transverse Posterior Wall Acetabular Fracture: A Case Report.
JBJS Case Connect. 2018 Aug 22. doi: 10.2106/JBJS.CC.18.00043
39. **Shaath MK**, Yeranorian MG, Ippolito JA, Adams MR, Sirkin MS, Reilly MC
Evaluation of the Content and Accessibility of Web Sites for Accredited Orthopaedic Trauma Surgery Fellowships.

Journal of Bone and Joint Surgery.

J Bone Joint Surg Am. 2018 May 2;100(9):e60. doi: 10.2106/JBJS.17.01112.

40. Hwang JS, **Shaath MK**, Changoor S, Sirkin MS, Reilly MC, Eastman J, Routt MC, Adams MR
Safe Zone Quantification of the Third Sacral Segment in Normal and Dysmorphic Sacra.
J Orthop Trauma. 2018 Apr;32(4):178-182. doi: 10.1097/BOT.0000000000001100.
41. Rossman SR, **Shaath MK**, Graf K Head-On Allograft Transplantation: A Unique Case Report Where a Large Piece of Femoral Bone was Extruded from One Patient's Body and Impaled Another Patient's Tibia.
J Orthop Case Rep. 2017 Sep-Oct;7(5):50-53. doi: 10.13107/jocr.2250-0685.892.
42. **Shaath M.K**, Koury K.L, Gibson P.D., Lelkes V.M, Hwang J.S, Ippolito J.A, Adams M.R, Sirkin M.S, Reilly M.C.
Analysis of Pelvic Fracture Pattern and Overall Orthopaedic Injury Burden in Children Sustaining Pelvic Fractures Based on Skeletal Maturity.
J Child Orthop 2017;11: 1-6. DOI 10.1302/1863-548.11.160266
43. **Shaath MK**, Koury KL, Gibson PD, Adams MR, Sirkin MS, Reilly MC
Associated Injuries in Skeletally Immature Children with Pelvic Fractures.
J Emerg Med. 2016 Jun 25. pii: S0736-4679(16)30161-5.
44. Gibson P, Adams M, Koury K, **Shaath MK**, Sirkin M, Reilly M
Inadvertent Reduction of Symphyseal Diastasis During CT Scan.
J Orthop Trauma. 2016 Sep;30(9):474-8.
45. Gibson P, Ippolito J, **Shaath MK**, Campbell CL, Fox AD, Ahmed I
Pediatric Gunshot wound Recidivism: Identification of at Risk Youth.
J Trauma Acute Care Surg. 2016 Jun;80(6):877-83
46. **Shaath MK**, Koury KL, Gibson PD, Lelkes VM, Adams MR, Sirkin MS, Reilly MC
Analysis of Pelvic Fracture Pattern and Overall Orthopaedic Injury Burden in Children Sustaining Pelvic Fractures based on Skeletal Maturity.
J Child Orthop (2016) 10 (Suppl 1):S9–S80 (Abstract)
47. **Shaath MK**, Koury KL, Gibson PD, Adams MR, Sirkin MS, Reilly MC
Associated Injuries in Skeletally Immature Children with Pelvic Fractures.
J Child Orthop (2016) 10 (Suppl 1):S81–S89 (Abstract)
48. Wang J, Gardner B, Lu Q, **Shaath MK**, Brabt K, Anderson H
Deficiency of NFAT1 Transcription Factor Causes Osteoarthritis with Alterations in Articular Cartilage and Subchondral Bone in Adult Mice.
Osteoarthritis and Cartilage 2012; 20(Suppl 1):S60

ONLINE PUBLICATIONS

1. **Shaath MK**, Andras L
Pediatric Pelvic Fractures
Orthobullets.com
2. **Shaath MK**
Distal Clavicle Physeal Fractures.
Orthobullets.com

3. **Shaath MK**
Pediatric Psoas Abscess.
Orthobullets.com
4. **Shaath MK, Skaggs D**
Pediatric Hip Septic Arthritis.
Orthobullets.com
5. **Shaath MK, Shirley E**
Distal Femoral Physeal Fractures.
Orthobullets.com
6. **Shaath MK**
Shoulder Periprosthetic Infection.
Orthobullets.com
7. **Shaath MK**
Nursemaid's Elbow.
Orthobullets.com
8. **Shaath MK**
Pediatric Lateral Condyle Fractures.
Orthobullets.com

TEXTBOOK CHAPTERS

1. **Shaath MK, Avilucea FR**
Intertrochanteric Fractures in Young and Old Patients
Surgical Insights: Taking Orthopedic Trauma Call
2. Avilucea FR, **Shaath MK**
Arthroplasty for the Fractured Hip
Surgical Insights: Taking Orthopedic Trauma Call
3. **Shaath MK, Adams MR**
Posterior Talar Process Fractures
Fractures and Dislocations of the Talus and Calcaneus: A Case-Based Approach
4. **Shaath MK, Achor TS**
Plating of Subtrochanteric Femur Fractures
Master Techniques in Orthopaedic Surgery - Fractures
5. **Shaath MK, Munz JW**
Talus Fractures: Open Reduction and Internal Fixation
Master Techniques in Orthopaedic Surgery - Fractures

ABSTRACTS—PODIUM

1. Isolated Screw Versus Plate and Screw Fixation in Talar Neck Fractures: A Retrospective Comparative Analysis
Shaath MK, Page B, Rechter G, Kosko B, Nasir B, Davis E, Langford J, Haidukewych G

SICOT Orthopaedic World Congress, Madrid, Spain, August 2024

2. Retrograde Nail/Plate Combination for Interprosthetic Femoral Fractures: Technical Note and Case Series
Shaath MK, Page B, Rechter G, Kosko B, Nasir B, Davis E, Haidukewych G
SICOT Orthopaedic World Congress, Madrid, Spain, August 2024
3. Conversion to Total Hip Arthroplasty After Acetabular Fracture Fixation: Comparing the Direct Anterior Approach to Conventional Approaches
Shaath MK, Williamson M, Page B, Rechter G, Kosko B, Nasir B, Davis E, Haidukewych G
SICOT Orthopaedic World Congress, Madrid, Spain, August 2024
4. The Utility of the AP Pelvis Radiograph in Diagnosing Traumatic Hip Dislocation
Shaath MK, Shurafa S, Yawman J, Page B, Rechter G, Davis E, Langford J, Haidukewych G
SICOT Orthopaedic World Congress, Madrid, Spain, August 2024
5. Hong IS, DeBaun M, **ShaathMK**, Myers RJ, Gage M, Yoon RS
Safety, Efficacy, & Use of ViviGen Viable Bone Matrix Allograft in Orthopaedic Fracture Care: A Multicenter Retrospective Cohort
Annual Meeting of the Eastern Orthopaedic Association, Palm Beach, FL October 16-9 2024
6. **Shaath MK**, Yawman J, Grise A, Avilucea FR, Munro MW, Langford JR, Haidukewych GJ
Full Weight-Bearing After Percutaneous Fixation of Posterior Malleolar Fractures Associated with Spiral Distal-Third Tibial Shaft Fractures is Safe: A Comparative Cohort Study
Annual Meeting of the AAOS, San Francisco, CA February 2024
7. **Shaath MK**, Garret CG, Avilucea FR, Munro MW, Langford JR, Haidukewych GJ
Acute Definitive Nailing of Open Femoral Shaft Fractures is Safe and Effective
SICOT World Congress, Cairo, Egypt November 2023
8. **Shaath MK**, Garrett CG, Pattisapu N, Routt ML
Obstetricians are Likely to Elect for Caesarean Section in Women with Retained Pelvic Implants: A Radiographic Survey Study
SICOT World Congress, Cairo, Egypt November 2023
9. **Shaath MK**, Garret CG, Williams WA, Kelly J, Langford JR, Haidukewych GJ
The Novel Fibulink Syndesmotic Repair System is Effective at Treating Ankle Syndesmotic Disruptions
SICOT World Congress, Cairo, Egypt November 2023
10. Avilucea FR, Ferreira R, **Shaath MK**
Opportunistic Use of Computed Tomography to Determine Muscle to Adipose Ratio Reliably Predicts Wound Complications after Kocher Langenbeck Surgical Exposure to the Acetabulum
SICOT World Congress, Cairo, Egypt November 2023
11. **Shaath MK**, Yawman J, Grise A., Avilucea FR, Munro MW, Langford JR, Haidukewych GJ
Full Weight-Bearing After percutaneous Fixation of Posterior Malleolar Fractures Associated with Spiral Distal-Third Tibial Shaft Fractures is Safe: A Comparative Cohort Study
SICOT World Congress, Cairo, Egypt November 2023
12. **Shaath MK**, Warner SJ, Kellam JF, Achor TS
The competitive orthopaedic Trauma Fellowship Applicant: A Program Director's Perspective
Annual Meeting of the AAOS, San Diego, CA September 2021
13. **Shaath MK**, Lim PK, Rabinovich A, Routt ML
Timing of Surgery Affects Perioperative Complications and Short-Term Outcomes After Surgical Treatment of Pelvic Ring Injuries
Annual Meeting of the Orthopaedic Trauma Association, Nashville, TN, October 2020
14. **Shaath MK**, Routt ML
A Reliable Treatment Algorithm for Transverse Acetabular Fractures with Ipsilateral 61B1 & 61B2 Injuries

Annual Meeting of the Orthopaedic Trauma Association, Nashville, TN, October 2020

15. **Shaath MK**, Lim PK, Andrews RA, Gausden EB, Mitchell PM, Tissue C, Routt ML
Using a Focal Kocher-Langenbeck Approach Without a Specialty Traction Table During Acetabular Fracture Fixation Yields Excellent Results
Annual Meeting of the AAOS, Orlando, FL March 2020
16. **Shaath MK**, Lim PK, Andrews RA, Gausden EB, Mitchell PM, Routt ML
Timing of Surgery Affects Perioperative Complications and Short-Term Complications after Open Surgical Treatment of Acetabular Fractures
Annual Meeting of the AAOS, Orlando, FL March 2020
17. **Shaath MK**, Lim PK, Rabinovich A, Routt ML
Timing of Surgery Affects Perioperative Complications and Short-Term Outcomes After Surgical Treatment of Pelvic Ring Injuries
Annual Meeting of the AAOS, Orlando, FL March 2020
18. **Shaath MK**, Lim PK, Andrews RM, Gausden EB, Mitchell PM, Routt ML
Does Timing of Surgery Affect Perioperative Fractures and Short-Term Outcomes After Surgical Treatment of Acetabular Fractures?
Annual SICOT Congress, Oman, Yemen, December 2019
19. **Shaath MK**, Gausden EB, Warner SJ, Munz JW, Achor TS
A New Orthogonal Plate Configuration in Treating Periprosthetic Proximal Femur Fractures
Annual Meeting of the Orthopaedic Trauma Association, Denver, CO, September 2019
20. **Shaath MK**, Gausden EB, Warner SJ, Munz JW, Achor TS
A New Orthogonal Plate Configuration in Treating Periprosthetic Proximal Femur Fractures
Annual Meeting of the Western Orthopaedic Association, Monterrey, CA, August 2019
21. **Shaath MK**, Lim PK, Andrews RM, Gausden EB, Mitchell PM, Routt ML
Obesity is not a Risk Factor for Complications Following Acetabular Fracture Surgery: A Comparative Cohort Study
Annual Meeting of the Western Orthopaedic Association, Monterrey, CA, August 2019
22. **Shaath MK**, Warner SJ, Kellam JF, Achor TS
What Makes a Strong Orthopaedic Trauma Fellowship Application: A Program Director's Perspective
Annual Meeting of the Western Orthopaedic Association, Monterrey, CA, August 2019
23. Amer K, **Shaath MK**, Adams MR, Sirkin MS, Reilly MC
Operative vs. Non-Operative Outcomes of Clavicle Fractures, A Systematic Review and Meta-Analysis.
Annual EFORT Congress, Barcelona, Spain; May 2018
24. **Shaath MK**, Sobol GL, Adams MR, Reilly MC, Sirkin MS
The Incidence of Posterior Malleolar Involvement In Spiral Tibia Fractures: Is It Higher Than We Think?
Annual EFORT Congress, Barcelona, Spain; May 2018
25. **Shaath MK**, Ippolito JA, Adams MR, Sirkin MS, Reilly MC
The Role of CT Scan in the Diagnosis of Acetabular Fracture in the Immature Pelvis
Annual Meeting of the American Academy of Orthopaedic Surgeons; New Orleans, LA; March 2018.
26. **Shaath MK**, Ippolito JA, Adams MR, Sirkin MS, Reilly MC
Pneumothorax After Clavicle Fixation: Do we Need Intraoperative Chest X-Ray.
OrthoSummit 2017; Las Vegas, NV, December 2017
27. **Shaath MK**, Ippolito JA, Adams MR, Sirkin MS, Reilly MC
The Role of CT Scan in the Diagnosis of Acetabular Fracture in the Immature Pelvis.
Eastern Orthopaedic Association Annual Meeting; Miami, FL, October 2017
28. **Shaath MK**, Koury KL, Gibson PD, Adams MR, Sirkin MS, Reilly MC

Analysis of Pelvic Fracture Pattern and Overall Orthopaedic Injury Burden in Children Sustaining Pelvic Fractures based on Skeletal Maturity.

Annual EFORT Congress; Vienna, Austria; May 2017

29. **Shaath MK**, Koury KL, Gibson PD, Adams MR, Sirkin MS, Reilly MC
Analysis of Pelvic Fracture Pattern and Overall Orthopaedic Injury Burden in Children Sustaining Pelvic Fractures based on Skeletal Maturity.
POSNA; Indianapolis, IN, Apr 2016
30. **Shaath MK**, Koury KL, Gibson PD, Adams MR, Sirkin MS, Reilly, MC
Analysis of Pelvic Fracture Pattern and Overall Orthopaedic Injury Burden in Children Sustaining Pelvic Fractures based on Skeletal Maturity.
Annual Meeting of the European Pediatric Orthopaedic Society; Rome, Italy; Apr 2016
31. **Shaath MK**, Berberian WS
Attitudes of Orthopaedic Surgery Residents Towards Public Health Advocacy.
Annual Meeting of the American Academy of Orthopaedic Surgeons; Orlando, FL; March 2016
32. Wang J, Gardner B, Lu Q, **Shaath MK**, Brabdt K, Anderson H
Deficiency of NFAT1 Transcription Factor Causes Osteoarthritis with Alterations in Articular Cartilage and Subchondral Bone in Adult Mice.
World Congress on Osteoarthritis, Barcelona, Spain, 2012
33. Wang J, Anderson H, Lu Q, Zhang M, Furomoto B, **Shaath MK**
Deficiency of NFAT1 Causes Osteoarthritis through Dysfunction of Cells in Multiple Joint Tissues.
International Congress on Orthopaedics, Chicago, IL, 2012
34. Lu Q, **Shaath MK**, Bernard J, Wang J
Bone Sialoprotein is Essential for Osteoblastic Differentiation and Maturation of Osteoprogenitor Cells.
Annual Meeting of the American Society for Bone and Mineral Research, Minneapolis, MN, 2012
35. **Shaath MK**
NFAT1 is a Critical Transcription Factor for Regulating the Function of Adult Articular Chondrocytes.
Medical Student Research Forum, KU School of Medicine, 2011

ABSTRACTS—POSTER

1. Rechter GR, Collinge CA, Green C, Jacobs E, **Shaath MK**, Haidukewych GJ
Results of a Novel Modular Plating System for Periprosthetic Fractures Around the Hip: A Multi-Center Experience”
CCJR. Orlando, FL. 10/10/2025.
2. Page BE, **Shaath MK**, Nasir BA, Rechter GR, Langford JR, Haidukewych GR
Decreased Rate of Avascular Necrosis in Displaced Talar Neck Fractures When Using Plate Fixation Versus Screw Fixation Alone
Annual Meeting of the Orthopaedic Trauma Association, Phoenix, AZ October 2025
3. **Shaath MK**, Garrett CG, Avilucea FR, Munro MW, Langford JR, Haidukewych GJ
Acute Definitive Nailing of Open Femoral Shaft Fractures is Safe and Effective
Annual Meeting of the AAOS, San Francisco, CA February 2024
4. **Shaath MK**, Yawman J, Shurafa ST, Anderson T, Avilucea FR, Munro MW, Langford JR, Haidukewych GJ
The Utility of the AP Pelvis Radiograph in Diagnosing Traumatic Hip Dislocations
Annual Meeting of the AAOS, San Francisco, CA February 2024
5. **Shaath MK**, Yawman J, Anderson T, Avilucea FR, Langford JR, Munro MW, Haidukewych GJ
Fellowship Trained Orthopaedic Trauma Surgeons Achieve Better Postoperative Radiographic Parameters after Intramedullary Nailing of Intertrochanteric Femur Fractures When Compared to Non-Trauma Trained Surgeons
Annual Meeting of the AAOS, San Francisco, CA February 2024

6. Avilucea FR, Ferreira R, **Shaath, MK**
Opportunistic Use of Computed Tomography to Determine Muscle-Adipose Ratio Reliably Predicts Wound Complications After Kocher-Langenbeck Surgical Exposure of the Acetabulum
Annual Meeting of the AAOS, San Francisco, CA February 2024
7. Brooks P, **Shaath MK**, Williamson M, Avilucea FR, Munro MW, Langford JR, Haidukewych GJ
Direct Anterior Approach for Conversion to Hip Arthroplasty After Acetabular Fixation
SICOT World Congress, Cairo, Egypt, November 2023
8. **Shaath MK**, Yawman J, Shurafa ST, Anderson T, Avilucea FR, Munro MW, Langford JR, Haidukewych GJ
The Utility of the AP Pelvis Radiograph in Diagnosing Traumatic Hip Dislocations
SICOT World Congress, Cairo, Egypt, November 2023
9. **Shaath MK**, Kerr MS, Haidukewych GJ
AO/OTA Type 33 Fractures Treated with the Synthes Retrograde Femoral Nailing Advanced System and the Lateral Attachment Washer Have a High Union Rate
SICOT World Congress, Cairo, Egypt, November 2023
10. **Shaath MK**, Yawman J, Grise A, Avilucea FR, Munro MW, Langford JR, Haidukewych GJ
CT Scans to Evaluate Posterior Malleolar Involvement in Non-Spiral Distal Third Tibial Fractures are not necessary.
SICOT World Congress, Cairo, Egypt, November 2023
11. Kelly J, **Shaath MK**, Williams WA, Tabbaa A, Langford JR
Sterile Preparation of the External Fixation Frame is Safe in the Setting of Staged Open Reduction Internal Fixation of Pilon Fractures
SICOT World Congress, Cairo, Egypt November 2023
12. **Shaath MK**, Kerr MS, Haidukewych GJ
AO/OTA Type 33C Fractures Treated with the Synthes Retrograde Femoral Nailing Advanced System and the Lateral Attachment Washer Have a High Union Rate
SICOT World Congress, Cairo, Egypt November 2023
13. **Shaath MK**, Haidukewych GJ
Semi-Elective Treatment of Open Tibial Shaft Fractures Does Not Lead to Increased Rates of Infection
SICOT World Congress, Cairo, Egypt November 2023
14. **Shaath MK**, Yawman J, Anderson T, Avilucea FR, Langford JR, Munro MW, Haidukewych GJ
Fellowship Trained Orthopedic Trauma Surgeons Achieve Better Radiographic Parameters after Intramedullary Nailing of Intertrochanteric Femur Fractures When Compared to Non-Trauma Trained Surgeons
SICOT World Congress, Cairo, Egypt November 2023
15. **Shaath MK**, Yawman J, Page B, Williamson M, Shurafa ST, Anderson T, Avilucea FR, Munro MW, Langford JR, Haidukewych GJ
The Utility of the AP Pelvis Radiograph in Diagnosing Traumatic Hip Dislocations
OTA Annual Meeting, Seattle, WA, November 2023
16. Brooks P, **Shaath MK**, Williamson M, Avilucea FR, Munro MW, Langford JR, Haidukewych GJ
Direct Anterior Approach for Conversion to Hip Arthroplasty After Acetabular Fixation
Annual Meeting of the AAOS, Las Vegas, NV, March 2023
17. **Shaath MK**, Avilucea FR, Kerr MS, Young E, Mackenzie R, Langford JR, Haidukewych GJ
Treatment of Diaphyseal Tibial Fractures Distal to a Total Knee Arthroplasty by Intramedullary Nailing is Safe and Effective
CCJR, Orlando, FL, December 2022
18. Kerr MS, Young E, **Shaath MK**, Avilucea FR, Langford JR, Haidukewych GJ

Periprosthetic Distal Femur Fractures Treated by Retrograde Intramedullary Nails with a 10-Degree Distal Bend Achieve Significantly Better Post-Operative Radiographic Alignment When Compared to Conventional Retrograde Nails

CCJR, Orlando, FL, December 2022

19. Brooks P, **Shaath MK**, Williamson M, Avilucea FR, Munro MW, Langford JR, Haidukewych GJ
Direct Anterior Approach for Conversion to Hip Arthroplasty After Acetabular Fixation
CCJR, Orlando, FL, December 2022
20. **Shaath MK**, Haidukewych GJ
Non-Urgent Treatment of Open Tibial Shaft Fractures Does Not Lead to Increased Rates of Infection
Annual Meeting of the AAOS, Chicago, IL, March 2022
21. **Shaath MK**, Vemulapalli KC, Feng C, Warner SJ, Gary JL, Routt ML
Patient Radiation Exposure with 3-Dimensional Intraoperative Imaging is Significantly Less When Compared to Conventional Pelvic Computed Tomography in Pelvic and Acetabular Surgery
Annual Meeting of the AAOS, San Diego, CA, September 2021
22. **Shaath MK**, Avilucea FR, Lim PK, Routt ML
A New Algorithm for Classifying Acetabular Fracture Patterns on Three-Dimensional Computed Tomography Reconstructions Significantly Improves Residents' Ability to Correctly Classify Fractures
Annual Meeting of the AAOS, San Diego, CA, September 2021
23. **Shaath MK**, Vemulapalli KC, Feng C, Warner SJ, Gary JL, Routt ML
Patient Radiation Exposure with 3-Dimensional Intraoperative Imaging is Significantly Less When Compared to Conventional Pelvic Computed Tomography in Pelvic and Acetabular Surgery
Annual Meeting of the Orthopaedic Trauma Association, Nashville, TN, October 2020
24. **Shaath MK**, Lim PK, Andrews RM, Gausden EB, Mitchell PM, Routt ML
Clinical Results of Acetabular Fracture Fixation Using a Focal Kocher-Langenbeck Approach Without a Specialty Traction Table
Annual Meeting of the Orthopaedic Trauma Association, Nashville, TN, October 2020
25. **Shaath MK**, Lim PK, Andrews RM, Gausden EB, Mitchell PM, Routt ML
Morbid Obesity and Short-Term Complications Following Acetabular Fracture Surgery: A Comparative Cohort Study
Annual Meeting of the Orthopaedic Trauma Association, Nashville, TN, October 2020
26. **Shaath MK**, Lim PK, Rabinovich A, Routt ML
Morbid Obesity Negatively Impacts Short-Term Complications after Operative Pelvic Ring Fracture Treatment: A Comparative Cohort Study
Annual Meeting of the AAOS, Orlando, FL, March 2020
27. **Shaath MK**, Gausden EB, Warner SJ, Munz JW, Achor TS
A New Orthogonal Plate Configuration in Treating Periprosthetic Proximal Femur Fractures
Annual SICOT Congress, Oman, Yemen, December 2019
28. **Shaath MK**, Lim PK, Andrews RM, Gausden EB, Mitchell PM, Routt ML
Morbid Obesity and Complications Following Acetabular Fracture Surgery: A Comparative Cohort Study
Annual SICOT Congress, Oman, Yemen, December 2019
29. **Shaath MK**, Lim PK, Andrews RM, Gausden EB, Mitchell PM, Routt ML
Clinical Results of Acetabular Fracture Fixation Using a Focal Kocher-Langenbeck Approach Without a Specialty Traction Table
Annual SICOT Congress, Oman, Yemen, December 2019
30. **Shaath MK**, Lim PK, Warner SJ, Achor TS
Optimizing a Fellowship: What Factors do Orthopaedic Trauma Fellowship Applicants Consider Important?
Annual Meeting of the Western Orthopaedic Association, Monterrey, CA, August 2019

31. **Shaath MK**, Ross A, Ippolito JA, Adams MR, Sirkin MS, Reilly MC
Fixation of Forearm Fractures in Patients Undergoing Fasciotomy: An Analysis of Complication Risks
Eastern Orthopaedic Association Annual Meeting; Amelia Island, FL, October 2018
32. **Shaath MK**, Lee J, Ippolito JA, Adams MR, Sirkin MS, Reilly MC
Intraobserver Reproducibility of Measuring Femoral Torsion On Repeat CT Imaging.
Annual EFORT Congress; Barcelona, Spain; May 2018
33. **Shaath MK**, Ippolito JA, Adams MR, Sirkin MS, Reilly MC
The Role of CT Scan In The Diagnosis Of Acetabular Fracture In The Immature Pelvis.
Annual EFORT Congress; Barcelona, Spain; May 2018
34. **Shaath MK**, Ippolito JA, Adams MR, Sirkin MS, Reilly MC
Pneumothorax and Clavicle Fixation: Do We Need A Chest X-Ray?
Annual EFORT Congress; Barcelona, Spain; May 2018
35. Hwang JS, **Shaath MK**, Changoor S, Sirkin MS, Reilly MC, Eastman J, Routt MC, Adams MR
Safe Zone Quantification of the Third Sacral Segment in Normal and Dysmorphic Sacra.
Annual Meeting of the American Academy of Orthopaedic Surgeons; New Orleans, LA; March 2018
36. Gibson PD, **Shaath MK**, Hwang JS, Ippolito JA, Sirkin MS, Reilly MC, Adams MR
Unique consideration of fracture morphology and axial skeleton injuries in bilateral calcaneus fracture.
Eastern Orthopaedic Association Annual Meeting; Miami, FL, October 2017
37. Hwang JS, **Shaath MK**, Reilly MC, Changoor S, Sirkin MS, Eastman JG, Routt ML, Adams MR
Safe Zone Quantification of the Third Sacral Segment in Normal and Dysmorphic Sacra.
Annual Meeting of the Orthopaedic Trauma Association; Vancouver, Canada; Oct 2017
38. **Shaath MK**, Koury KL, Gibson PD, Adams MR, Sirkin MS, Reilly MC
Associated Injuries in Skeletally Immature Children with Pelvic Fractures.
Annual Meeting of the European Pediatric Orthopaedic Society; Rome, Italy; Apr 2016
39. **Shaath MK**, Koury KL, Gibson PD, Adams MR, Sirkin MS, Reilly MC
Associated Injuries in Skeletally Immature Children with Pelvic Fractures.
Annual Meeting of the European Pediatric Orthopaedic Society; Rome, Italy; Apr 2016
40. Gibson PD, Adams MR, Koury KL, **Shaath MK**, Sirkin MS, Reilly MC
Inadvertent Reduction of Symphyseal Diastasis During CT Scan.
Annual Meeting of the Orthopaedic Trauma Association; Tampa, FL; Oct 2015

LECTURES

- | | |
|---|---------|
| 1. Rutgers New Jersey Medical School Department of Orthopedics Grand Rounds Newark, NJ | 5/16/24 |
| 2. Orlando Health General Surgery Grand Rounds Orlando, FL | 7/15/22 |

COURSES TAUGHT AS FACULTY

- | | |
|--|---------|
| Chairman of Smith and Nephew Periprosthetic Fracture Course Orlando, FL | 01/2026 |
| Smith and Nephew Maters of Fracture Phoenix, AZ | 10/2025 |
| Smith and Nephew SAIF Course | 5/2025 |

Memphis, TN

Smith and Nephew Masters of Fracture 4/2025
Huntington Beach, CA

OrthoSummit 9/2024
Las Vegas, NV

Smith and Nephew SAIF Course 5/2024
Atlanta, GA

Smith and Nephew Periprosthetic Fracture Course 2/2024
Memphis, TN

Smith and Nephew Masters of Fracture 10/2023
Seattle, WA

Smith and Nephew SAIF Course 02/2023
Atlanta, GA

Globus MERC: Lower Extremity Fractures Tips and Tricks 09/2022
Tampa, FL

Fibulink Synthes National Sales Meeting 03/2022
Colorado Springs, CO

Smith and Nephew SAIF Course 02/2022
Memphis, TN

Synthes/J&J Florida Trauma Resident Course 10/2021
Tampa, FL

Smith and Nephew SAIF Course 08/2021
Boston, MA

Regional Smith and Nephew SAIF Course 03/2021
Orlando, FL

J&J OrthoCamp 05/2019
Houston, TX

COURSES ATTENDED

Stryker Pelvis Course 02/2019
Houston, TX

AO Fellow's Course 01/2019
Las Vegas, NV

AO Trauma: Master's Course 12/2018
Davos, Switzerland

Coding Course for Orthopedic Trauma Surgeons 10/2018
Orlando, FL

Zimmer Pelvis Course 09/2018
Houston, TX

AO Trauma Course: Advanced Principles of Fracture Management 03/2018

Kansas City, MO

Smith & Nephew SAIF Course

02/2018

Memphis, TN

Stryker MIPO Course

11/2017

Los Angeles, CA

AOA C. McCollister Evarts Resident Leadership Forum

06/2017

Charlotte, NC

AANA Resident/Fellow Course: Fundamentals of Arthroscopy

02/2016

Rosemont, IL

AO Trauma Course: Basic Principles of Fracture Management

10/2014

Atlanta, GA

LANGUAGES

English – Fluent/Native Speaker

Arabic – Fluent/Native Speaker

Spanish – Basic Conversational