

Michael J Stark, D.O.

Education & Training

Spine Surgery Fellowship SUNY Upstate Medical University, Syracuse, NY	July 2024
Orthopaedic Surgery Residency Jefferson Health NJ, Stratford, NJ	June 2023
Doctor of Osteopathic Medicine Nova Southeastern University, Fort Lauderdale, FL GPA: 96.6 Rank: 3/250	May 2018
Bachelor of Science in Psychology Minor in Biology Rensselaer Polytechnic Institute, Troy, NY	May 2013

Professional Experience

Palm Beach Health Network Physician Group Boca Raton & Delray Beach FL <i>Board Eligible Orthopaedic Spine Surgeon</i> -Minimally invasive, degenerative and revision spine surgery -Level 1 spine trauma call and general orthopedic call	2024 - Present
Jefferson Health New Jersey <i>Orthopaedic Surgery Administrative Chief Resident</i>	2022 - 2023
Journal of Orthopaedic Experience & Innovation (JOEI) <i>Resident & Fellow Advisory Council</i>	2022 - 2024
Nova Southeastern University College of Osteopathic Medicine <i>Anatomy Fellow</i>	2015 – 2016
St. Peter's Hospital, Albany, NY <i>Patient Care Technician</i>	2013 – 2014
Parson's Child and Family Center, Albany, NY <i>Residential Counselor</i>	2013 – 2014

Publications

- Willenbring T, **Stark M**, Tallarico R. "Spontaneous Holocord Pneumorrhachis: A Case Report & Demonstrated Pathophysiology". *Journal of Bone & Joint Surgery (JBJS) Case Connector*: Submitted
- Meade M, Buchan L, **Stark M**, Woods B. "Evidenced-Based Medicine and Observational Studies". *Clinical Spine Surgery: Research Methodology*. 2023 Nov 2; doi: 10.1097/BSD.0000000000001550. PMID: 37941105
- Michael M, **Stark M**, Woods B. "Effectiveness of Intraoperative Neuromonitoring in a Patient Undergoing a One-Level Transforaminal Lumbar Interbody Fusion: A Case Report". *Cureus*. 2023 Feb 28; doi: 10.7759/cureus.35580. PMID: 37007300

Stark M, Matzon J. “Cephalic Vein Intravascular Foreign Body After a Penetrating Injury: A Case Report”. *Journal of Bone & Joint Surgery (JBJS) Case Connector*. 2022 Oct 27; doi: 10.2106/JBJS.CC.22.00497. PMID: 36820849

Stark M, Woods B. “Developing an Idea into a Research Question”. *Clinical Spine Surgery: Research Methodology*. 2022 Sept 8; doi: 10.1097/BSD.0000000000001393. PMID: 36097337

Stark M, Markowitz M, Woods B. “Predatory Publishing Practices”. *Clinical Spine Surgery: Research Methodology*. 2022 April 1; doi: 10.1097/BSD.0000000000001275. PMID: 34907933

Cheesman Q, Szukics P, **Stark M**, Kramer S, McMillan S. “Arthroscopic Rotator Cuff Repair Technique Using a Bio-Composite Scaffold for Tissue Augmentation”. *Arthroscopy Techniques*. 2022 Mar 16; doi: 10.1016/j.eats.2021.12.00. PMID: 35493048

Stark M, Rao S, Gleason B, Jack R, Hammoud S, Tucker B, Freedman K. “Rehabilitation and Return to Play Criteria Following Fresh Osteochondral Allograft Transplantation: A Systematic Review”. *Orthopedic Journal of Sports Medicine*. 2021 July 27; doi: 10.1177/23259671211017135. PMID: 34377714

McMillan S, Fliegel B, **Stark M**, Ford E, Pontes M, Markowitz M. “Recurrent Instability after Arthroscopic Glenoid Labral Repair with a Minimum of Three Points of Fixation: Do the Number of Anchors or Fixation Points Correlate to Outcomes?” *Surgical Technologies International*. 2021 Mar 16; doi: 10.52198/21.STI.38.OS1411. PMID: 33724436.

Stark M, DeBernardis D, McDowell C, Ford E, McMillan S. “Percutaneous Skeletal Fixation of Painful Subchondral Bone Marrow Edema Utilizing an Injectable, Synthetic, Biocompatible Hyaluronic Acid-Based Bone Graft Substitute”. *Arthroscopy Techniques*. 2020 Oct 22; doi: 10.1016/j.eats.2020.07.005. PMID: 33294321

DeBernardis D, **Stark M**, Ford E, McDowell C, McMillan S. “Percutaneous Skeletal Fixation of Painful Subchondral Bone Marrow Edema of the Knee”. *Arthroscopy, Sports Medicine and Rehabilitation*. 2020 Oct 5; doi: 10.1016/j.asmr.2020.07.006. PMID: 33134998

Niedzielak T, Palmer J, **Stark M**, Malloy J. (2017, September). “Preventing Neurologic Injury During Direct Anterior Total Hip Arthroplasty (THA) Using the Hana Table: A Novel Technique Incorporating Neuromonitoring During THA”. *Orthopaedic Proceedings*. 2018 April 1; doi 10.1302/1358-992X.2018.5.046

Stark M, DeFranco MJ. “Elastic Intramedullary Nailing of a Medial Clavicle Fracture in a Pediatric Patient”. *Case Reports in Orthopedics*. 2017 May 16; doi: 10.1155/2017/6354284. PMID: 28593062

Presentations

Minissale N, **Stark M**, Woods B. “Clinical and Radiographic Outcomes of Two-level Versus Three- or Four-Level Anterior Cervical Discectomy and Fusion Using Titanium Cages with Biomimetic Surfaces: A Multicenter Experience”. Abstract accepted for podium presentation at EOA Annual Meeting Oct 2022

Minissale N, **Stark M**, Woods B. “Clinical and Radiographic Outcomes of Two-level Versus Three- or Four-Level Anterior Cervical Discectomy and Fusion Using Titanium Cages with Biomimetic Surfaces: A Multicenter Experience”. Abstract accepted for podium presentation at OSET Annual Meeting Sept 2022

Buddle V, **Stark M**, Michael M, Woods B. (2021, October) “Patient Resilience as a Predictor of Post-Operative Success After Anterior Cervical Discectomy and Fusion”. Abstract accepted for podium presentation at the annual meeting of the Eastern Orthopaedic Association (EOA)

DeBernardis D, **Stark M**, McDowell C, McMillan S. (2020, March) “Percutaneous Skeletal Fixation of Painful Subchondral Bone Marrow Edema of the Knee”. Abstract accepted for virtual presentation at the annual meeting of the American Academy of Orthopaedic Surgeons (AAOS)

Stark M, McMillan S. (2019, December) “Cinch & Dock Technique for Intra-Articular Biceps Tenodesis using a PEEK Self-Punching Anchor”. VuMedi video presentation of surgical technique.

DeBernardis D, **Stark M**, McDowell C, McMillan S. (2019, October) “Percutaneous Skeletal Fixation of Painful Subchondral Bone Marrow Edema of the Knee”. Abstract accepted for podium presentation at the annual meeting of the Eastern Orthopedic Association (EOA); West Palm Beach, FL and Orthopedic Summit (OSET); Denver, CO

Palmer J, **Stark M**, Malloy J. (2017, October) “LLIF vs. TLIF: A Single-Center Clinical and Radiological Study of 12 Patients with Minimum One-Year Follow-Up”. Abstract accepted at the annual meeting of the American Osteopathic Academy of Orthopedics (AOAO); Chicago, Illinois.

Niedzielak T, Palmer J, **Stark M**, Malloy J. (2017, October) “Clinical Comparison of Surgical Constructs for Anterior Cervical Corpectomy and Fusion in Patients With Cervical Spondylotic Myelopathy or Ossified Posterior Longitudinal Ligament: A Systematic Review and Meta-Analysis”. Abstract accepted at the annual meeting of the American Osteopathic Academy of Orthopedics (AOAO); Chicago, Illinois.

Niedzielak T, Palmer J, **Stark M**, Malloy J. (2017, September). “Preventing Neurologic Injury During Direct Anterior Total Hip Arthroplasty (THA) Using the Hana Table: A Novel Technique Incorporating Neuromonitoring During THA”. Abstract accepted at 30th Annual Congress of the International Society for Technology in Arthroplasty (ISTA); Seoul, KOR.

Niedzielak T, Palmer J, **Stark M**, Malloy J. (2017, March) “Clinical Comparison of Surgical Constructs for Anterior Cervical Corpectomy and Fusion in Patients With Cervical Spondylotic Myelopathy or Ossified Posterior Longitudinal Ligament: A Systematic Review and Meta-Analysis”. Abstract accepted at Eurospine 2017; Dublin, Ireland.

Stark M. & DeFranco M. (2017, February) “Elastic Intramedullary Nailing of a Medial Clavicle Fracture in a Pediatric Patient”. Poster presented at the Florida Osteopathic Medical Association; Weston, Florida.

Stark M. & DeFranco M. (2016, November) “Elastic Intramedullary Nailing of a Medial Clavicle Fracture in a Pediatric Patient”. Poster presented at the Consortium for Excellence in Medical Education Research Competition; Davie, Florida.

Licensure and Certifications

Florida Medical License – OS20718	2024
AOBOS Part I: Pass	2023
Advanced Cardiac Life Support (ACLS), American Heart Association	2022
Pediatric Advanced Life Support (PALS), American Heart Association	2022
Basic Life Support (BLS), American Heart Association	2022
AO Trauma – Basic Principles of Fracture Management	2019
COMLEX Level III Score: 717	2019
COMLEX Level II Score: 859	2017
USMLE Step II Score: 269	2017
COMLEX Level I Score: 760	2016
USMLE Step I Score: 248	2016

Honors and Awards

Chief Resident of the Year Award , Jefferson Health NJ	2023
Howard Dunbar Scholarship , Nova Southeastern University	2016
<i>Presented to top 5 students for academic excellence.</i>	
Dean's List , Rensselaer Polytechnic Institute	2011 – 2013

Affiliations

North American Spine Society	2021 - Present
American Academy of Orthopaedic Surgeons	2018 - Present
American Osteopathic Academy of Orthopaedics	2018 - Present
Psi Sigma Alpha , National Osteopathic Medicine Honors Fraternity	2018 - Present
Sigma Sigma Phi , National Osteopathic Medicine Honors/Service Fraternity	2015 - Present