

# DAVID M. TAINTER, M.D.

## CURRENT POSITION:

2020-Present Orthopaedic Surgeon

## MEDICAL EDUCATION:

2019-2020 Orthopaedic Trauma Fellowship, Virginia Commonwealth University  
2014-2019 Orthopaedic Surgery Residency, Duke University Medical Center  
2010-2014 Duke-National University of Singapore Graduate Medical School, M.D.  
2006-2010 Duke University, B.S.E. Biomedical Engineering

## LICENSURE & CERTIFICATIONS

Delaware State Medical License

Board Certified by the American Board of Orthopaedic Surgeons, 2023

Educational Commission for Foreign Medical Graduates

## PROFESSIONAL MEMBERSHIPS:

American Academy of Orthopaedic Surgeons

Orthopaedic Trauma Association

AO Trauma

Medical Society of Delaware

Piedmont Orthopaedic Society

## PEER-REVIEWED FULL-LENGTH JOURNAL ARTICLES

1. Perdue P, **Tainter D**, Toney C, Lee C. Evaluation and Management of Posterior Wall Acetabulum Fractures. *J Am Acad Orthop Surg*. 2021 Nov 1;29(21):e1057-e1067. doi: 10.5435/JAAOS-D-20-01301.
2. Danilkowicz RM, Parekh SG, **Tainter DM**, Allen N, O'Donnell J, Hanselman A, Adams. Histologic grading correlates with inflammatory biomarkers in tibialis posterior tendon dysfunction. *Foot Ankle Surg*. 2022 Dec;28(8):1266-1271. doi: 10.1016/j.fas.2022.05.004. Epub 2022 May 28.
3. Sheehan K, Guerrero E, **Tainter D**, Dial B, Milton-Cole R, Blair J, Alexander J, Swamy P, Kuramoto L, Guy P, Bettger J, Sobolev B. Prognostic factors of in-hospital complications after hip fracture surgery: a scoping review. *Osteoporos Int*. 2019 Jul;30(7):1339-1351. doi: 10.1007/s00198-019-04976-x. Epub 2019 Apr 29.
4. Federer AE, **Tainter DM**, Adams SB, Schweitzer KM. Management of metatarsalgia and painful lesser toe deformities. *Foot Ankle Clin*. 2018 Mar;23(1):9-20.
5. Grimm NL, **Tainter DM**. The Role of the Clinical Research Coordinator in Orthopaedic Research – Making Research Less Onerous. [Accepted to *Duke Orthopaedic Journal*].
6. Grimm NL, **Tainter DM**, Eward WC, Brigman BE. Tumors of the Epiphysis. *JBJS Reviews*. 2017 May;5(5):e4.
7. Dekker TJ, Dekker PK, **Tainter DM**, Easley ME, Adams SB. Treatment of Osteochondral Lesions of the Talus: A Critical Analysis Review. *JBJS Reviews*. 2017;5(3):e4.
8. Adams SB, Gross CE, **Tainter DM**, Easley ME, Parekh SG. Surgical Management of Osteochondral Lesions of the Talus. *Duke Orthopaedic Journal*. July 2014-June 2015;5(1):35-47.
9. Mwangi TK, Bowles RD, **Tainter DM**, Bell RD, Kaplan DL, Setton LA. Synthesis and characterization of silk fibroin microparticles for intra-articular drug delivery. *Int J Pharm*. 2015 May 15;485(1-2):7-14.
10. Francisco AT, Mancino RJ, Bowles RD, Brunger JM, **Tainter DM**, Chen Y, Richardson WJ, Guilak F, Setton LA. Injectable laminin-functionalized hydrogel for nucleus pulposus regeneration. *Biomaterials*. 2013;34(30):7381-8.
11. Nikitin PA, Yan CM, Forte E, Bocedi A, Tourigny JP, White RE, Allday MJ, Patel A, Dave SS, Kim W, Hu K, Guo J, **Tainter DM**, Rusyn E, Luftig MA. An ATM/Chk2-mediated DNA damage-responsive signaling pathway suppresses Epstein-Barr virus transformation of primary human B cells. *Cell Host Microbe*. 2010;8:510–522.

## PEER-REVIEWED ABSTRACT PROCEEDINGS

1. **Tainter DM**, Parekh SG, Bell RD, Nunley JA, Easley ME, Jing L, Huebner JL, Kraus VB, Setton LA, Adams SB. Characterizing the molecular biology of pain and degeneration in posterior tibial tendon dysfunction. Accepted as a Paper Presentation to: 2017 AAOS Annual Meeting.
2. **Tainter DM**, Parekh SG, Bell RD, Nunley JA, Easley ME, Jing L, Huebner JL, Kraus VB, Setton LA, Adams SB. Glutamate, cytokines, and matrix metalloproteases are elevated in pathologic posterior tibial tendons of patients with posterior tibial tendon dysfunction. Poster session presented at: AOFAS Annual Meeting 2013. 2013 July 17-20; Hollywood, FL.
3. Clement R, **Tainter DM**, Adams SB, Parekh SG. A systematic review of osteochondral allograft transplantation for osteochondral lesions of the talus. Poster session presented at AOFAS Annual Meeting 2013. 2013 July 17-20; Hollywood, FL.
4. **Tainter DM**, Bell RD, Nettles DL, Setton LA, Parekh SG, Adams SB. Glutamate is elevated in pathologic posterior tibial tendons of patients with posterior tibial tendon dysfunction. Poster session presented at: 2013 OARSI World Congress. 2013 April 18-21; Philadelphia, PA.
5. Mwangi TK, Bowles RD, **Tainter DM**, Mata B, Kaplan DL, Setton LA. Silk near infrared dye particles for the study of intra-articular drug delivery in vivo. Presented at BMES 2012 Annual Meeting. 2012 October 24-27; Atlanta, Georgia.

## BOOK CHAPTERS

1. Adams S, **Tainter DM**, Taylor M. *Malleolar Fractures and Traumatic Soft Tissue Injuries of the Ankle*, Ch. 66 In Browner *et al* Skeletal Trauma 6<sup>th</sup> ed., Elsevier, Philadelphia 2020.

## HONORS & AWARDS

2018	OREF/ORS Resident Research Symposium 2 <sup>nd</sup> Place Award
2017	AOA Resident Leadership Forum
2015	Piedmont Orthopaedic Research Grant
2012-2013	Duke-NUS Research Scholarship
2010	Winner, Rehabilitation Engineering and Assistive Technology Society of North America (RESNA) National Design Competition
2010	Finalist, National Industries for the Severely Handicapped (NISH) AbilityOne Design Challenge
2004	Eagle Scout, Boy Scouts of America

## SERVICE & ACTIVITIES

2020-Present	ChristianaCare Resident Educator
2020-Present	ChristianaCare Bone Health Advisory Committee
2018-2019	Quality Improvement: Calcium & vitamin D supplementation for patients with hip fractures
2018-2019	GME Resident Council Member
2017	Evolutionary Anthropology 231L Teaching Assistant, Duke University
2017	Orthopaedic Surgery Instructor, Duke University School of Medicine
2014-2016	Team Physician, Charles E. Jordan High School, Football Team Coverage
2015	Team Physician, Duke University, Women's Soccer & Lacrosse
2012-2013	Class President, Duke-NUS