

DAVID M. TAINTER, M.D.

MEDICAL TRAINING:

2019-current Orthopaedic Trauma Fellowship, Virginia Commonwealth University, expected graduation July 2020
2014-2019 Orthopaedic Surgery Residency, Duke University Medical Center

EDUCATION:

2010-2014 Duke-National University of Singapore Graduate Medical School, M.D.
2006-2010 Duke University, B.S.E. Biomedical Engineering

LICENSURE & CERTIFICATIONS

- Virginia Intern/Resident/Fellowship License No: 0116032475, Expires 6/30/2020
- North Carolina Full License No: 2019-01221, Expires 12/23/2019
- ABOS Board Eligible – passed ABOS Part 1 7/2019
- Educational Commission for Foreign Medical Graduates (ECFMG) No. 0-858-475-7
- OTA Candidate
- Advanced Cardiovascular Life Support and Basic Life Support Expires 5/2020
- Passed all 3 USMLE Step examinations on first attempts

PEER-REVIEWED FULL-LENGTH JOURNAL ARTICLES

1. **Tainter D**, Perdue P, Toney C, Kates S. Management of High Energy Geriatric Femur Fractures. [Accepted to *Geriatric Orthopaedic Surgery & Rehabilitation*]
2. Perdue P, **Tainter D**, Toney C, Lee C. Evaluation and Management of Posterior Wall Acetabulum Fractures. [Accepted to *JAAOS*].
3. **Tainter DM**, Parekh SG, Bell RD, Nunley JA, Easley ME, Jing L, Huebner JL, Kraus VB, Setton LA, Adams SB. Inflammatory cytokines, matrix metalloproteases and pain neuromediators are elevated in pathologic posterior tibial tendons of patients with posterior tibial tendon dysfunction. [Submitted to *Foot and Ankle International*].
4. 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. [Accepted to *Osteoporosis International*].
5. 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.
6. Grimm NL, **Tainter DM**. The Role of the Clinical Research Coordinator in Orthopaedic Research – Making Research Less Onerous. [Accepted to *Duke Orthopaedic Journal*].
7. Grimm NL, **Tainter DM**, Eward WC, Brigman BE. Tumors of the Epiphysis. *JBJS Reviews.* 2017 May;5(5):e4.
8. 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.
9. 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.
10. 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.
11. 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.
12. 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.
13. **Tainter DM**, Grimm NL, Adams SB. All arthroscopic Brostrom technique for repair of the lateral ligaments of the ankle – a systematic review. [Manuscript in progress].

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 6th ed., Elsevier, Philadelphia 2020.

HONORS & AWARDS

2018	OREF/ORS Resident Research Symposium 2 nd Place Award
2017	AOA Resident Leadership Forum
2015	Piedmont Orthopaedic Research Grant - Recipient of \$6,000 research grant
2012-2013	Duke-NUS Research Scholarship (Singapore) - Merit award of \$20,000 stipend for 1 year of research at Duke University
2010	Winner, Rehabilitation Engineering and Assistive Technology Society of North America (RESNA) National Design Competition (Las Vegas, NV)
2010	Finalist, National Industries for the Severely Handicapped (NISH) AbilityOne Design Challenge (Durham, NC)
2004	Eagle Scout, Boy Scouts of America (Hong Kong SAR, China)

SERVICE & ACTIVITIES

2018-2019	Quality Improvement: Calcium & vitamin D supplementation for patients with hip fractures - improved calcium & vitamin D supplementation to 100% of patients in healthcare system
2018-2019	GME Resident Council Member
2017	Evolutionary Anthropology 231L Teaching Assistant, Duke University - Led lectures and dissections twice weekly for undergraduate anatomy course
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 Team & Lacrosse Tournament Coverage
2012-2013	Class President, Duke-NUS

INTERESTS

Cars, Scotch whiskey, DIY projects, Biking, Traveling