



## David Macknet, MD

### Bio

---

Dr. Macknet completed his medical residency in Charlotte with OrthoCarolina and Atrium. Following residency, he completed his foot and ankle fellowship with Dr. Brodsky at Baylor Scott and White in Dallas, Texas. He grew up as an avid athlete in southern New Jersey and continued his college career at the University of Pennsylvania. In addition to obtaining his bachelor's degree in Philadelphia, he was a four-year varsity letter winner and two-time Ivy League champion while playing running back for the Quakers football team. He continues his passion for athletics by participating in endurance sports. He is a Boston Marathon, Ironman 70.3, and Ironman 140.6 World Championship qualifier. He enjoys treating the athletic and endurance athlete population in the clinic.

Dr. Macknet is happy to return to the greater Charlotte area to continue his career with his wife, children, and two dogs.

**P: 803.328.6306**

### LOCATIONS

- Fort Mill (formerly Rock Hill)
- Indian Land

### CLINICAL SPECIALTIES

- Foot & Ankle
- Specialties
- Sports Medicine
- Trauma

### Education

---

**University of Pennsylvania- *Bachelor's in Biological Basis of Behavior***

**Rutgers – Robert Wood Johnson Medical School- *Doctor of Medicine***

**Orthopaedic Surgery Residency – *Carolina's Medical Center/OrthoCarolina Charlotte, NC***

**Orthopaedic Foot and Ankle Surgery Fellowship - *Baylor Scott and White***

### Awards

---

- *Richmond Sports Medicine/Arthroscopy Travel Award (Best Paper in Sports Medicine) 2019*
- *AOFAS Resident Scholarship 2019*

- *Best Presentation in Adult Reconstruction - North Carolina Orthopaedic Association 2018*
- *Resident Essay Award - Atrium Health - Carolinas Medical Center 2016*
- *AO North America 2017*
- *American Academy of Orthopaedic Surgery 2016*
- *Michael J. Kosloski Scholarship 2016*
- *Junior Alpha Omega Alpha (AOA) 2015*
- *Gala Scholarship Award 2015*
- *Marshall Hanley Endowed Scholarship 2014*
- *Dean's Scholarship Award 2014*
- *Distinction in Research 2013*
- *American Medical Association 2012*
- *American Medical Student Association 2012*

## Research

---

- Major Complications of Distal Triceps Ruptures: a retrospective analysis
- Complications of Early Versus Delayed Total Elbow Arthroplasty (TEA) in the Treatment of Distal Humerus Fractures
- The Utilization of the Ankle-Ankle Index in Comparison to the Ankle-Brachial Index in Lower Extremity Trauma
- Liposomal Bupivacaine for Adolescent Idiopathic Scoliosis Does Not Effectively Decrease Post-Operative Pain
- The Femoral Notch View to Judge Screw Length in the Distal Femur
- Outcomes of Total Hip Arthroplasty in Patients Under 30 Years Old
- The Outcomes of Hindfoot and Ankle Arthrodesis in Neuropathic Patients
- Future Lines of Research: A Prospective DataBase of Charcot Arthrodesis
- The Rate of Conversion to Total Knee Arthroplasty After Arthroscopy in Patients Older than 50
- Opioid Use in Non-Operatively Treated Ankle Fractures
- Defining the Intramedullary Axis of the Distal Tibia Using Computed Tomography
- Major Complications of Distal Biceps Ruptures: A series of female patients
- Survivorship Care Plans in Orthopaedic Oncology
- Opioid Use in Orthopaedic Oncology
- Opioid Free Adolescent Idiopathic Scoliosis: A New Pathway
- Incidence of Complications After Hallux Interphalangeal Joint Fusion: A Comparison of Multiple Techniques
- A Novel Fluoroscopic Method for Syndesmotic Reduction: A Cadaveric Study

## Publications

- **Macknet, D. M.**, Ford, S. E., Mak, R. A., Loeffler, B. J., Connor, P. M., & Gaston, R. G. (2022). Complications after traumatic distal triceps tears: an analysis of 107 cases. *JSES Reviews, Reports & Techniques*. <http://doi.org/10.1016/j.xrrt.2022.05.004>
- Rao AJ, Scarola GT, Rowe TM, Yeatts NC, **Macknet DM**, Ford SE, Hong IS, Gaston RG, Saltzman BM, Hamid N, Connor PM. Distal Biceps Repairs in Females: A Large Single-Center Case Series. *HSS J*. 2022 May;18(2):264-270. doi: 10.1177/15563316211009855. Epub 2021 Apr 27. PMID: 35645642; PMCID: PMC9096998.
- Bloomer AK, McKnight RR, Johnson NR, **Macknet DM**, Wally MK, Yu Z, Seymour RB, Hsu JR. Screws-Only Primary Subtalar Arthrodesis for Calcaneus Fractures. *Foot Ankle Int*. 2022 Apr;43(4):509-519. doi: 10.1177/10711007211058689. Epub 2022 Jan 4. PMID: 34996306.
- Buck JS, Odum SM, Salava JK, **Macknet DM**, Fehring TK, Springer BD. Total Knee Arthroplasty following Knee Arthroscopy in Patients over 50. *J Knee Surg*. 2021 Dec 7. doi: 10.1055/s-0041-1740391. Epub ahead of print. PMID: 34875714.
- Wohler A, **Macknet D**, Seymour RB, Wally MK, Irwin T, Hsu JR, Beuhler M, Bosse M, Gibbs M, Griggs C, Jarrett S, Karunakar M, Kempton L, Leas D, Odum SM, Phelps K, Roomian T, Runyon M, Saha A, Sims S, Watling B, Wyatt S, Yu Z. Opioid Prescribing Risk Factors in Nonoperative Ankle Fractures: The Impact of a Prospective Clinical Decision Support Intervention. *J Foot Ankle Surg*. 2022 May-Jun;61(3):557-561. doi: 10.1053/j.jfas.2021.09.030. Epub 2021 Oct 20. PMID: 34836780.
- Braswell M, Wally MK, Kempton LB, Seymour RB, Hsu JR, Karunakar M, Afetse KE, Bailey G, Bosse M, Brownrigg M, Cuadra M, Dixon A, Girardi C, Grochowski E, Hysong A, Jolissaint J, **Macknet D**, Mayberry RM, Moody P, Peterson K, Phelps KD, Pollock H, Posey SL, Reid R, Roe K, Scannell B, Sims S, Stanley A, Wohler AD. Age and socioeconomic status affect access to telemedicine at an urban level 1 trauma center. *OTA Int*. 2021 Oct 5;4(4):e155. doi: 10.1097/OI9.000000000000155. PMID: 34765905; PMCID: PMC8575413. Wohler AD, Kneisl JS, **Macknet DM**, Hysong AA, Kaney K, Moroney S, Hsu JR; Atrium Health COVID-19 Surge and Re-entry Team. Surgical Re-entry Strategy Following COVID-19 Pandemic: A Tiered and Balanced Approach. *Med Care*. 2020 Dec 2. doi: 10.1097/MLR.0000000000001471. Epub ahead of print. PMID: 33273293.
- Rao AJ, **Macknet DM**, Stuhlman CR, Yeatts NC, Trofa DP, Odum SM, Saltzman BM, Fleischli JE. Allograft Augmentation of Hamstring Autograft in Anterior Cruciate Ligament Reconstruction Results in Equivalent Outcomes

to Autograft Alone. *Arthroscopy*. 2021 Jan;37(1):173-182.e2. doi: 10.1016/j.arthro.2020.07.010. Epub 2020 Jul 14. PMID: 32679297.

- Geary MB, **Macknet DM**, Ransone MP, Odum SD, Springer BD. Why Do Revision Total Knee Arthroplasties Fail? A Single-Center Review of 1632 Revision Total Knees Comparing Historic and Modern Cohorts. *J Arthroplasty*. 2020 Oct;35(10):2938-2943. doi: 10.1016/j.arth.2020.05.050. Epub 2020 May 28. PMID: 32561262.
- Martin JR, Geary MB, Ransone M, **Macknet D**, Fehring K, Fehring T. Is a full component revision necessary for isolated tibial loosening? *Bone Joint J*. 2020 Jun;102-B(6\_Supple\_A):123-128. doi: 10.1302/0301-620X.102B6.BJJ-2019-1401.R1. PMID: 32475265.
- Ford, S. E., Andersen, J. S., **Macknet, D. M.**, Connor, P. M., Loeffler, B. J., & Gaston, R. G. (2018). Major complications after distal biceps tendon repairs: retrospective cohort analysis of 970 cases. *Journal of Shoulder and Elbow Surgery*, 27(10), 1898–1906. HYPERLINK
- [http://doi.org/10.1016/j.jse.2018.08.010](https://doi.org/10.1016/j.jse.2018.08.010) <=" a=">Bertrand">  
<http://doi.org/10.1016/j.jse.2018.08.010>
- W. Parcels, MD; Dean Giacobbe, MD; **David Macknet**, BA; Amy Smith, MSN, RN; Mark Schottenfeld, MD; David A. Harwood, MD; Stephen Kayiaros, MD. The Direct Anterior Approach for 1-Stage Bilateral Total Hip Arthroplasty: Early Outcome Analysis of a Single-Surgeon Case Series. *Orthopaedics* (2016). 31(2), 434–437. HYPERLINK "  
<http://doi.org/10.1016/j.arth.2016.02.010>" <http://doi.org/10.1016/j.arth.2016.02.010>
- Parcels, B.W., **Macknet, D.M.**, Kayiaros, S. Total Joint Arthroplasty in a Stand-alone Ambulatory Surgical Center: Short-term Outcomes. *Journal Of Arthroplasty*(2016). 39(4), 223–228. HYPERLINK  
<http://doi.org/10.3928/01477444-201604010-0>
- **Macknet, D.M.**, Weatherford, B. (2018). Ankle Sprains – Foot & Ankle – Orthobullets.com
- **Macknet, D.M.**, Swarmup, I., Sink, E. (2018). Proximal tibial metaphyseal fractures – Pediatrics – Orthobullets.com
- **Macknet, D.M.**, Yen, Y.M., Joughlin, E. (2018). Tibial eminence fractures – Pediatrics – Orthobullets.com
- **Macknet, D.M.**, Taylor, Benjamin (2019). Lower Extremity Amputations – Trauma – Orthobullets.com
- **Macknet, D.M.** (2019). Upper Extremity Amputations – Trauma– Orthobullets.com
- **Macknet, D.M.** (2019). Sagittal Band Ruptures – Hand – Orthobullets.com
- **Macknet, D.M.**, Moore, D. (2019). Metastatic Spine Disease – Tumor – Orthobullets.com

- **Macknet, D.M.** (2019). Hallux Valgus – Foot & Ankle – Orthobullets.com
- **Macknet, D.M.** (2019). Periprosthetic TSA fractures – Sports – Orthobullets.com
- **Macknet, D.M.**, Weatherford, Brian (2019). Pelvic Ring Trauma – Trauma – Orthobullets.com
- **Macknet, D.M.**, Taylor, Benjamin (2019). Ankle Fractures – Trauma – Orthobullets.com
- **Macknet, D.M.**, Weatherford, B. (2020). Charcot Arthropathy – Foot & Ankle – Orthobullets.com
- Geary, M., **Macknet, D.M.**, Ransone, M., Springer, B., Why Revision TKAs fail – A decade later. – AAOS NOW 2020