



**Michael Bates, MD**

## Education

- Danville Regional Medical Center School of Nursing - *Diploma of Nursing*
- Old Dominion University - *Bachelor of Science*
- University of Virginia School of Medicine - *Doctor of Medicine*
- Atrium Health - Carolinas Medical Center - *Resident Physician*
- Hospital for Special Surgery - *Adult Reconstruction Fellowship*

**P: 704.323.2100**

### Patient Rating:

4.9 out of 5 Stars

## LOCATIONS

- University

## CLINICAL SPECIALTIES

- Hip
- Knee

## Practice

- Specializes in Adult Reconstruction
- Specializes in Total Knee Replacements
- Specializes in Anterior & Posterior Hip Replacement
- Specializes in Partial Knee Replacements
- Member of the American Academy of Orthopaedic Surgeons (AAOS)
- Reviewer: Journal of Arthroplasty
- Editorial board member: Techniques in Orthopaedics

## Awards

- Named a 2023 Top Doctor by Charlotte Magazine
- 2023 [North Carolina's Top Doctors](#), Charlotte Region, SouthPark Magazine
- 2022 [North Carolina's Top Doctors](#), Charlotte Region, SouthPark Magazine
- Named a Carolina Top Doctor, 2020

## Research

- The role of robotic surgery on alignment and polyethylene deformation patterns in unicondylar knee arthroplasty, Currently submitted and under review by Clinical Orthopaedics and Related Research
- Utility of repeat aspirations for periprosthetic infection, Abstract submitted for AAOS 2017 meeting

- The effect of radiotherapy on upper extremity soft tissue sarcomas, Designed research project to analyze the effects of RT on soft tissue sarcomas.
- Radiation induced pathologic fracture outcomes, Poster presentation at 2013 CTOS national meeting
- Extensor mechanism disruption after total knee arthroplasty: A review, Published in Journal of American Academy of Orthopaedic Surgeons, Feb 2015
- Early polyethylene fracture of Vitamin-E infused HXLPE: A case report, Published in Journal of Bone & Joint Surgery: Case Reporter July 2015

#### **Presentations**

- The Effect of radiotherapy on upper extremity soft tissue sarcomas, Presented at 2013 North Carolina Orthopaedic Association
- The effect of radiotherapy on upper and lower extremity soft tissue sarcomas, Presented at 2013 North Carolina Orthopaedic Association & Presented at 2014 AAOS national meeting (Co-author presentation)
- Sarcoma research (above) Presented at 2012 Annual Research day with Dr. Richard Gelberman of Washington University as visiting professor

#### **Team**

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- Medical Assistant: Sana Tate
- Surgery Scheduler: Christine Brodnik