



**NAPLES ORTHOPEDICS**  
**& SPORTS MEDICINE ASSOCIATES**  
A DIVISION OF NASA



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## **BIOGRAPHY**

### **Education:**

First in Class

University of North Carolina-Pembroke (B.S. Biology)

University of Florida (M.A. Microbiology & Cell Science)

Penn State College of Medicine

### **Residency & Training:**

Duke University Medical Center –

Orthopaedic Surgery Internship & Residency

Dr. James Andrews (Sports Medicine Fellowship)

### **Certification:**

Board Certified Orthopaedic Surgery

Board Certified Orthopaedic Sports Medicine

Certified Expert Knee & Shoulder Arthroscopist – Arthroscopy

Association of North America

### **Publications:**

Patrick W. Joyner, Jeremy Bruce, Travis S. Roth, Frederic Baker Mills IV, Scott Winnier, Ryan Hess, Luke Wilcox, Aaron Mates, Tim Frerichs, James R. Andrews, Charles A. Roth. *"Biomechanical Tensile Strength Analysis for Medial Patellofemoral Ligament Reconstruction."* Knee. 2017 July.

Joyner, PW, Bruce J, Hess R, Mates A, Mills FB 4th, Andrews JR. *"Magnetic resonance imaging-based classification for ulnar collateral ligament injuries of the elbow. A Review of 300 Baseball Players with UCL injuries."* JSES. 2016 Oct;25(10):1710-6.

Patrick W. Joyner, MD, MS. *"Osteoarthritis."* The 5-Minute Clinical Consult. 2013-2018.

### **Awards & Honors**

Head Physician, East Coast Navy SEALs

Head Physician for all the Military International Athletic Teams