

**Anthony Ndu, M.D., M.B.A.**  
**Assistant Professor of Clinical Orthopedic Surgery**  
**Curriculum Vitae**

**Office Address:**

Penn Musculoskeletal Center University City, 7<sup>th</sup> Floor  
Penn Medicine University City  
3737 Market St. 6<sup>th</sup> floor  
Philadelphia, PA 19104

**Education:**

**06/2002**                    **Union College**, Schenectady, NY  
Magna cum laude  
Bachelor of Science, Biology  
Bachelor of Science, Sociology

**06/2007**                    **Yale School of Management**, New Haven, CT  
Master in Business Administration  
Concentration: Finance & Entrepreneurship

**06/2007**                    **Yale School of Medicine**, New Haven, CT  
Doctor of Medicine

**Post Graduate Training & Fellowship Appointments:**

**07/2007-07/2012**        **Yale Department of Orthopedics and Rehabilitation**, New Haven, CT  
Resident in Orthopedic Surgery

**07/2011-07/2012**        **Yale School of Medicine**, New Haven, CT  
Clinical Instructor, Dept of Orthopedics

**08/2012-07/2013**        **University of Pennsylvania**, Philadelphia, PA  
Fellow, Penn Orthopedic Foot and Ankle Center

**Hospital and Administrative Appointments:**

**5/2021 – Present**        Orthopedic Foot and Ankle Fellowship Director, University of Pennsylvania,  
Department of Orthopedics, Philadelphia, PA

**Specialty Certification:**

American Board of Orthopedic Surgeons, Board Certified 7/2015

**Licensure:**

Pennsylvania

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**Prior Work Experience:**

**Attending Orthopedic Surgeon**

Einstein Regional Orthopedic Specialists  
5501 Old York Road, Willowcrest Bldg. 4<sup>th</sup> Floor  
Philadelphia, PA 19141

**Administrative responsibilities:**

- 08/2016 – 04/2021** Compensation/Contracts Committee, Einstein Medical Center.  
**08/2016 - 04/2021** Research Conflict of Interest Committee, Einstein Medical Center.  
**06/2016 - 04/2021** Director of Quality Improvement for the Department of Orthopedics,  
Einstein Medical Center  
**11/2015 – 04/2021** Surgery Value Analysis Committee, Chair, Einstein Medical Center  
**06/2015 – 04/2021** Clinical Prof of Orthopedic Surgery, Sidney Kimmel Medical College  
of Thomas Jefferson University.  
  
**11/2013 – 04/2021** Continuing Medical Education Physician Activity Leader, Department of  
Orthopedic Surgery, Einstein Medical Center, Philadelphia, PA

**Memberships in Professional and Scientific Societies:**

American Academy of Orthopedic Surgeons, Member  
American Orthopedic Foot and Ankle Society, Member  
Mensa International, Member

**Presentations:**

- Panel Member, Business of Medicine, Turning MD into More than Doctor, J Robert Gladden Orthopedic Society 2021 Spring Meeting, Philadelphia PA, May 2021  
  
Intentional Success: Optimizing Learning, Performance and Outcomes, University of Pennsylvania Grand Rounds, Philadelphia PA, March 2021  
  
Panel member, Foot and Ankle Injuries: Avoiding the landmines, 12<sup>th</sup> Annual Philadelphia Orthopedic Trauma Symposium, June 13, 2020.  
  
CRPS and other Nerve syndromes of the lower extremity in athletes:  
Yale University Dept of Orthopedics Grand Rounds, New Haven, CT, October 2018

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Neurovascular injuries of the Lower Extremity in Athletes  
Moss Rehab Sports Conference, Philadelphia, PA, July 2018

Common Foot and Ankle Injuries in the Running Athlete  
Current Concepts in the Running and Throwing Athlete, Arcadia University, Glenside, PA  
July 12, 2014

Flatfoot Deformities. EMCP, Department of Orthopedic Surgery Grand Rounds Conference,  
December 20, 2013

Recovery Room Radiographs Following Total Hip Arthroplasty: Tradition vs. Utility  
Eastern Orthopedic Association Annual Meeting, Williamsburg, VA October 2011

Healthcare Reform and the future of Orthopedic Practice: Yale Orthopedic Grand  
Rounds, New Haven, CT, August 2010

Alternatives to Total Hip Arthroplasty: Waterbury Hospital Grand Rounds,  
Waterbury, CT, November 2010

**Publications:**

**Machine Learning Accurately Predicts Short-Term Outcomes Following Open Reduction and Internal Fixation of Ankle Fractures.**

Merrill RK, Ferrandino RM, Hoffman R, Shaffer GW, Ndu A  
J Foot Ankle Surg. 2019 Feb 22. pii: S1067-2516

**Comparing 30-day all-cause readmission rates between tibiotalar fusion and total ankle replacement**

Merrill RK, Ferrandino RM, Hoffman R, Ndu A, Shaffer GW  
Foot Ankle Surg. 2018 Jan 12. pii: S1268-7731

**Identifying Risk Factors for 30-Day Readmissions After Triple Arthrodesis Surgery**

Merrill RK, Ferrandino RM, Hoffman R, Ndu A, Shaffer GW.  
J Foot Ankle Surg. 2019 Jan;58(1):109-113

**Patient Selection, Surgical Indications, and Preoperative Planning in: Total Ankle Replacement: An Operative Manual.**

Wapner K, Ndu A, R DeOrto J, Parekh S (eds.) LWW June 2014

**Recovery room radiographs following total hip arthroplasty: Tradition vs. utility?**

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Ndu A, Jegede K, Bohl D, Keggi K, Grauer J,  
J Arthroplasty, 2012 Jun;27(6): 1051-6. Epub 2012 Feb2

**Contemporary management of symptomatic lumbar disc herniations**

Jegede KA, Ndu A, Grauer JN. Orthop Clin North Am. 2010 Apr; 41(2):217-24.

**Literature review: Magnetic resonance imaging interpretation in patients with symptomatic lumbar spine disc herniations: comparison of clinician and radiologist readings.**

Ndu A, Grauer, JN. Spine Line May / June 2010; 31-32

**Whiplash causes increased laxity of cervical capsular ligaments.**

Ivancic PC, Ito S, Tominaga Y, Rubin W, Coe MP, Ndu AB, Carlson EJ, Panjabi MM.  
Clin Biomech (Bristol, Avon). 2008 Feb; 23(2):159-65. Epub 2007 Oct 23.

**Dynamic mechanical properties of intact human cervical spine ligaments**

Ivancic PC, Coe MP, Ndu AB, Tominaga Y, Carlson EJ, Rubin W, Dipl-Ing FH, Panjabi MM.  
Spine J. 2007 Nov-Dec; 7(6): 659-65. Epub 2007 Jan 2.

**Neck ligament strength is decreased following whiplash trauma**

Tominaga Y, Ndu AB, Coe MP, Valenson AJ, Ivancic PC, Ito S, rubin W, Panjabi MM.  
BMC Musculoskelet Disord. 2006 Dec 21; 7:103.