

Matthew Thomas Mantell, M.D.

November 1, 2019
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EDUCATION and TRAINING

Winchester Orthopaedic Associates , Winchester, VA Medical Licensure: Virginia (active) - 0101262349	September 2017 -
New England Baptist Sports Medicine Fellowship , Boston, MA Medical Licensure: Massachusetts (active) - 266072	August 2016 – July 2017
Children’s Hospital Sports Medicine , Boston MA	February 2017
George Washington University Hospital , Washington, DC Resident Physician (PGY-5), Department of Orthopaedic Surgery Medical Licensure: Washington, DC - MTL000889	July 2011 – June 2016
Georgetown University School of Medicine , Washington, DC USMLE Step 1: 257 (99%) / USMLE Step 2 CK: 257 (99%)	August 2007 – May 2011
The College of William and Mary , Williamsburg, VA Bachelor of Science in Neuroscience, Minor in Biochemistry Magna Cum Laude	August 2003 – May 2007
St. John’s Prep , Danvers, MA	September 1999 – June 2003

APPOINTMENTS and PROFESSIONAL SOCIETY MEMBERSHIPS

Clinical Instructor of Orthopaedic Surgery, Tufts University School of Medicine, Boston MA (2016-2017)

American Academy of Orthopaedic Surgeons (AAOS) – Member (2011 – Present)
American Orthopaedic Society for Sports Medicine (AOSSM) – Candidate Member (2016 – Present)
Arthroscopy Association of North America (AANA) – Associate Member (2016 – Present)
International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine (ISAKOS) – Associate Member (2016 – Present)
Mid Atlantic Shoulder and Elbow Society (MASES) – Active Member (2017 – Present)
Virginia Orthopaedic Society – Member (2017 – Present)
American Medical Association (AMA) – Member (2017 – Present)
Massachusetts Medical Society – Member (2016 – 2017)

LICENSURE and CERTIFICATION

American Board of Orthopaedic Surgery - Board Certified, September 2019
Massachusetts License (not active) – 266072
Virginia License (active) - 0101262349

LEADERSHIP and HONORS

Chief Resident, George Washington University Hospital Department of Orthopaedic Surgery
Arciero-Warner Research Award Winner, NESES Annual Meeting 2017, Jay Peak, VT

Scored in the 100th percentile of all orthopaedic residents on the 2015 in-training examination (OITE)

Elected to serve on Graduate Medical Education Committee
New England Baptist Hospital, Boston MA (2016-2017)

Quality and Safety Committee
New England Baptist Hospital, Boston MA (2016-2017)

Orthopedics Reviewer (2017 - Present)

Arthroscopy Reviewer (2017 - Present)

American Journal of Sports Medicine (AJSM) Reviewer (2017 - Present)

Awarded HHMI Research Grant for work in targeting sensitivities in Alzheimer's metabolic pathways using a computer simulation model
Department of Chemistry, The College of William and Mary, Summer 2006

RESEARCH

Peer Reviewed Publications:

Mantell M, Fox B, Baker M, Kappa J, Ho A, Pandarinath R. Incidence of Graft Failure with Achilles tendon allograft combined with Retroscrew in Primary ACL reconstruction. *Current Orthopedic Practice*. 2019 June; 30(3): 263-268.

Mantell M, Lowe J, Nelson R, Endrizzi D, Jawa A. *Critical Shoulder Angle may predict full thickness rotator cuff tears in patients with glenohumeral osteoarthritis*. *The Journal of Shoulder and Elbow Surgery*. 2017 December; 26(12): 376-381.

Nelson R, Lowe J, **Mantell M**, Jawa A. *Lateralized center of rotation and lower neck-shaft angle are associated with lower rates of scapular notching, heterotopic ossification, and improved outcomes for reverse shoulder arthroplasty at 1 year*. *Orthopedics*. 2018 July 1;41(4): 230-236.

Fitzgerald M, Lowe JT, Nelson R, **Mantell M**, Jawa A. *Computed Tomography Underestimates Rotator Cuff Pathology in Patients with Glenohumeral Osteoarthritis*. *The Journal of Shoulder and Elbow Surgery*. 2018 August; 27(8): 1451-1455.

Mantell M, Cyriac M, Haines C, Gudipally M, O'Brien J. *Biomechanical analysis of an expandable lateral cage and static transforaminal lumbar interbody fusion cage with posterior instrumentation in an in vitro spondylolisthesis model*. *Journal of Neurosurgery Spine* 2015; 9(18): 1-7.

Haines C, **Mantell M**, O'Brien J. *Surgical Management of Cervical Deformity. "Selecting Among Surgical Options"*. *Seminars in Spine Surgery* 2014; 26(3): 180-186.

Patel K, **Mantell M**, Sosin M, Ramineni P. *Chimeric functional latissimus flap transfer to restore ankle dorsiflexion following a traumatic defect of the lower leg*. *JPRAS* 2014; 30(04): 279-282.

Book Chapters:

Shaffer B, **Mantell M**. *Arthroscopic Bony Bankart Repair*. *The Shoulder: AANA Advanced Surgical Techniques* (Ryu, Angelo, Abrams). Chapter 13. Pgs 147-164.

Wolff A, **Mantell M**. *Arthroscopic Management of the Labrum: Debridement, Repair, and Stitch Configurations*. *The Hip: AANA Advanced Surgical Techniques* (Byrd, Bedi, Stubbs). Chapter 11. Pgs 139-146.

Presentations:

Nelson, R, Lowe J, **Mantell M**, Jawa A. Lateralized Center of Rotation and Lower Neck-Shaft Angle are associated with Lower Rates of Scapular Notching, Heterotopic Ossification, and Improved Outcomes for Reverse Shoulder Arthroplasty. AAOS Annual Meeting, March 2018, New Orleans, LA

Mantell M, Lowe J, Nelson R, Jawa A. Critical Shoulder Angle may predict full thickness rotator cuff tears in patients with glenohumeral osteoarthritis. NESES Annual Meeting, February 2017, Jay Peak, VT

Nelson R, Lowe J, **Mantell M**, Jawa A. Radiographic Distinction between scapular notching and heterotopic ossification in Reverse Total Shoulder Arthroplasty. NESES Annual Meeting, February 2017, Jay Peak, VT

Mantell M, Lowe J, Nelson R, Jawa A. Critical Shoulder Angle may predict full thickness rotator cuff tears in patients with glenohumeral osteoarthritis. New England Baptist Annual Research Symposium Poster Presentation, June 2017, Boston, MA

Mantell M, Ho A, Fox B, Pandarinath R. Incidence of Achilles tendon allograft failure in primary ACL reconstruction. Presented as e-poster presentation for AANA Annual Conference, April 2015, Los Angeles CA

Kraekel S, **Mantell M**, Pandarinath R. ACL Graftlink size and need for gracilis or allograft augmentation can be predicted by preoperative semitendinosus measurement. Presented as e-poster presentation for AANA Annual Conference, April 2015, Los Angeles CA

Mantica A, **Mantell M**, Samtani R, Obrien J. How has fracture care evolved?: A Survey Study examining an Orthopaedist's decision to operate. Presented as poster at COS Annual Meeting, September 2015, New York City, NY

George Washington Department of Orthopaedic Surgery Grand Rounds:

Jones Fractures, September 2014

Lateral Ankle Instability, November 2014

Odontoid Fractures, January 2015

Hinge Total Knee Arthroplasty, April 2015

Treatment of Tibial Plateau Fractures, June 2015

Graft Selection in ACL Reconstruction, December 2015

Surgical Treatment of Articular Cartilage Injuries in the Knee, June 2016

New England Baptist Hospital Grand Rounds:

"ACL Reconstruction: Graft Options", March 2017

Winchester Medical Center Grand Rounds:

"Rotator Cuff Pathology: Superior Capsular Reconstruction, A Novel Treatment", February 2018

DJO Shoulder and Elbow Fellowship Introduction Training:

"Glenoid Deformity and the Intact Cuff: What to do and When to do it", July 2017

Abstracts:

Banovac F, Cheng P, Campos-Nanez E, Kallakury B, Popa T, Abeledo G, Lindish D, **Mantell M**, Cleary K. *Radiofrequency ablation of lung tumors in swine assisted by a navigational device with pre-procedural volumetric planning*. Journal of Vascular and Interventional Radiology. 2010(21): 122-129.

TEAM COVERAGE

Shenandoah University, Winchester, VA

Head Team Physician, 2017 – Present

Shepard University, Shepardstown, WV

Assistant Team Physician, 2017 - 2018

Millbrook High School, Winchester, VA

HeadTeam Physician, 2017 - Present

Handley High School, Winchester, VA
Assistant Team Physician, 2017 – Present

Clarke County High School, Winchester, VA
Team Physician, 2017 – Present

Boston Celtics, NBA Basketball Team, Boston, MA
Assistant Team Physician (Brian McKeon, MD), 2016-2017

Tufts University Athletics, Medford, MA
Assistant Team Physician – Football, Hockey, Lacrosse (Paul Weitzel, MD and Matt Salzler, MD), 2016-2017

Boston Breakers, National Women's Soccer League, Boston, MA
Assistant Team Physician (Thomas Gill, MD), 2017

Washington Kastles, World Team Tennis, Washington, DC
Assistant Team Physician (Craig Faulks, MD), 2012-2014

Washington Mystics, WNBA Basketball Team, Washington, DC
Assistant Team Physician (Jonas Rudzki, MD), 2014

Quicken Loans National, PGA Golf Tournament, Bethesda, MD
Assistant Covering Physician (Scott Faucett, MD), June 2014

Maret High School Football Team, Washington, DC
Assistant Team Physician (Ben Shaffer, MD), Fall 2014

VOLUNTEER EXPERIENCES and SERVICE

HOYA Clinic (September 2008- July 2010)
Initial member of student run health clinic in Washington, DC serving homeless and uninsured population

Southeast White House (August 2007- August 2012)
Served through an one on one mentoring program that involved building relationships with high risk children in Southeast Washington, DC

Habitat for Humanity - Honduras (April 2006)

EDUCATIONAL COURSES and SEMINARS

Upper Extremity Trauma Course (Biomet), Rosemont, IL (September 2013)
Senior Resident Total Joint Arthroplasty Course (Depuy), Rosemont, IL (September 2014)
MASES (Mid Atlantic Shoulder and Elbow Society) Annual Meeting, Philadelphia, PA (September 2014)
Virginia Hospital Center Pathology Course, Arlington, VA (November 2014)
Cherry Blossom Arthroscopy and Arthroplasty Seminar, Washington, DC (April 2014 and 2015)
AANA Annual Meeting Los Angeles, CA (April, 2015)
Mount Sinai Pathology Course, New York City, NY (November 2015)
AAOS Annual Meeting/AANA Specialty Day, Orlando, FL (March 2016)
Smith and Nephew Hip Arthroscopy Course with Dr. Thomas Byrd, Nashville, TN (March 2016)
ISHA (International Society for Hip Arthroscopy) Annual Meeting, San Francisco, CA (September 2016)
Smith and Nephew Fall Fellows Course, Andover, MA (September 2016)
Boston Sports Medicine Symposium, Newton, MA (November 2016)
New England Shoulder and Elbow Society (NESES) Annual Meeting, Jay Peak, VT (February 2017)
Ceterix Meniscal Repair Course, Waltham, MA (April 2017)
Stryker Hip Arthroscopy Fellows Course, Las Vegas, NV (May 2017)

AANA Annual Meeting, Denver, CO (May, 2017)
Arthrex Fellows Course, Naples, FL (June 2017)
Smith and Nephew Hip Arthroscopy Course, Vail, CO (January 2018)
AAOS Annual Meeting, New Orleans, LA (March 2018)

ACTIVITIES and INTERESTS

Orthopaedic Interests - Hip Arthroscopy and Preservation, Shoulder Arthroscopy and Arthroplasty, Cartilage Restoration, Knee Ligament Reconstruction, Joint Replacement, Trauma

Hobbies - Skiing, Running, Golf, Tennis, Sailing, Hiking, Travelling