

# Marc G. Lubitz MD

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## EDUCATION

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<b>University of Massachusetts Medical School</b> Department of Orthopedics and Physical Rehabilitation Resident Physician	Worcester, MA 2018-2023
<b>Wright State University</b> Boonshoft School of Medicine MD	Dayton, OH 2014-2018
<b>The Ohio State University</b> BS with honors in the Arts and Sciences Major: Biology; Minors: Business and Economics	Columbus, OH 2010-2014

## Research

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### Publications

Green, Choi, Lubitz, Aaron, Swart. *Proximal Humerus Fracture Dislocations: Which Patterns can be Reduced in the ED?*. Journal of Shoulder and Elbow Surgery. October 11th, 2021. PMID: 34648967

Donohue, Lubitz, Kremchek. *Elbow Ulnar Collateral Ligament Reconstruction Using the Novel Docking Plus Technique in 324 Athletes*. Sports Medicine. January 16<sup>th</sup>, 2019. PMID: 30649654

Kiskaddon, Wright, Meeks, Froehle, Gould, Lubitz, Prayson, Horne. *A biomechanical cadaver comparison of suture button fixation to plate fixation for pubic symphysis diastasis*. Injury. September 15<sup>th</sup>, 2018. PMID: 30241733

Lubitz. *Granulomatosis With Polyangiitis- A Moral Impetus for Change*. JAMA Otolaryngology-Head & Neck Surgery. November 9<sup>th</sup>, 2017. PMID: 29121164

Donohue, Lubitz, Kremchek. *Elbow Ulnar Collateral Ligament Reconstruction using a 4-Strand Docking Plus Technique*. Arthroscopy Techniques. August 7<sup>th</sup>, 2017. 6(4):e1201-1209. PMID: 29354418

Donohue, Lubitz, Kremchek. *Sports Injuries to the Latissimus Dorsi and Teres Major*. The American Journal of Sports Medicine Online: December 20<sup>th</sup>, 2016. Print: August 1<sup>st</sup>, 2017. 45(10): 2428-2435. PMID: 28125914

### Current Projects

#### **Does an educational video decrease opioid consumption after arthroscopic partial meniscectomy?**

-This is an on-going prospective randomized controlled trial aimed at determining if access to an educational website and video impacts postoperative opioid use in patients undergoing arthroscopic partial meniscectomy. We also hope to learn how many pills patients take after partial meniscectomy to recommend maximum prescribing numbers.

### **Proximal Lower Extremity Injuries in Baseball Pitchers are Associated with Ulnar Collateral Ligament Injury**

-Previous studies examining Major League baseball pitchers have shown an increased incidence of hip, hamstring, and groin injuries in patients who have undergone UCL reconstruction. This is hypothesized to be related to the proximal lower extremity's role in generating force for the kinetic chain of throwing. Our retrospective case controlled study shows this relationship to be true in younger, primarily college level pitchers. **Currently under review for publication.**

### **Social determinants of health in patients undergoing operative fixation of femoral and tibial shaft fractures.**

-This project looked at 477 patients who presented to our ED with tibial or femoral shaft fractures. We looked at various demographic and other social factors to determine if any correlated with failure to follow up or rehospitalization. Smoking, drug/alcohol abuse, unemployment, and disability were all associated with rehospitalization, though the strongest predictor was a markers called Area Deprivation Index (ADI). This information can hopefully target patients that are at risk for rehospitalization and better allocate resources to reduce this risk. **Currently under review for publication.**

### **Presentations**

Lubitz, Molla, Brown, DeAngelis, Busconi *Does Access to an Educational Website and Video Affect Opioid Consumption After Arthroscopic Partial Meniscectomy? A Prospective Randomized Controlled Trial.* Orthopaedic Summit Evolving Techniques. Las Vegas, Nevada. December 2021 **Podium Presentation**

Lubitz, Molla, Kremchek. *Athletic Hip Injuries are Associated with Ulnar Collateral Ligament Tears in Overhand Throwers.* ISAKOS Global Conference. November 2021.

Latario, Lubitz, Narain, Swart, Mortimer. *Which Pediatric Supracondylar Humerus Fractures are High Risk for Conversion to Open Reduction?* New England Orthopaedic Society Fall Meeting. Boston, MA. November 2021. **Second Place in the Kilfoyle Awards Session.**

Lubitz. *Elbow Ulnar Collateral Ligament Reconstruction.* University of Massachusetts Department of Orthopedic Surgery Grand Rounds. Worcester, MA. September 2021.

Lubitz, Donohue, Kremchek. *Elbow Ulnar Collateral Ligament Reconstruction via the Docking Plus Technique.* AAOS Annual Meeting, Orthopaedic Video Theater. San Diego, CA. September 2021.

Latario, Lubitz, Narain, Swart, Mortimer. *Preoperative Predictors for Open Reduction of Displaced Supracondylar Humerus Fractures.* AAOS Annual Meeting. San Diego, CA. September 2021.

Lubitz, Molla, Kremchek. *Outcomes after Elbow Ulnar Collateral Ligament Reconstruction with the Docking Plus Technique in 162 Athletes.* AOSSM-AANA Combined Annual Meeting. Nashville, TN. July 2021.

Lubitz, Garas, Robbins, Troy, Magit. *Measuring Dynamic Elbow UCL Strain with High Density Mapping: A Biomechanical Study.* Orthopaedic Research Society (ORS) Annual Meeting. Phoenix, AZ. 2020. **Finalist for the Preclinical Model Section Award**

Lubitz, Mukerji, V. *Lp(a) and Atherosclerosis*. Combined Annual Meeting of CSCTR and MWAFMR; Chicago, IL. 2018

Lubitz, Kiskaddon E, Wright A, Meeks B, Gould G, Froehle A, Prayson M, Horne, B. *TightRope Fixation for Pubic Symphysis Diastasis, a Biomechanical Analysis*. Wright State University Boonshoft School of Medicine Medical Student Research Symposium; Dayton, OH. 2018. **Podium Presentation**

Lubitz, Mukerji, V. *Lipoprotein (a) and its role in Atherosclerosis*. Wright State University Boonshoft School of Medicine Medical Student Research Symposium; Dayton, OH. 2017

Lubitz, Zielinski L, Venkatachalam P, Scheiner C, Pollack A. *Primary Spinal Glioblastoma Multiform; a 15 year presentation*. Wright State University Boonshoft School of Medicine Central Research Forum; Dayton, OH. 2016

Lubitz, Dobkin H. *Improving Healthcare Outcomes in the Peruvian Amazon*. Wright State University Boonshoft School of Medicine Medical Student Research Symposium; Dayton, OH. 2016

Lubitz, Lange A, Sridharan A, Whitsett J. *The Hippo Kinase Pathway Regulates Bronchiolar Epithelial Homeostasis*. Summer Undergraduate Research Fellowship at Cincinnati Children's Hospital Medical Center Symposium; Cincinnati, OH. 2013

### **Technical Work**

Lange, et al. *Hippo/Yap signaling controls epithelial progenitor cell proliferation and differentiation in the embryonic and adult lung*. Journal of Molecular Cell Biology. December 5<sup>th</sup>, 2014. 7(1), 35-47. PMID: 25480985

Lange, et al. *Sox17 is required for normal pulmonary vascular morphogenesis*. Developmental Biology. January 10<sup>th</sup>, 2014. 387(1):109-20. PMID 24418654

## **CERTIFICATIONS**

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**Lean Six Sigma Green Belt Certification**  
University of Michigan  
College of Engineering

2018

**ACLS, ATLS, BLS, PALS**

## **ACTIVITIES AND SERVICE**

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**AANA Arthroscopy Social Media Board**

2021-

I am on the social media board helping to run the accounts for *Arthroscopy* and related journals to help promote content and engage with other users.

### **UMassOrthoResidency.com**

2020-

I developed and currently run the website for our residency program with the goal of providing information to prospective applicants and others interested in the program

### **UMass Ortho Residency Social Media**

2020-

I worked with other residents and attendings to launch our department's social media presence and run the accounts on Facebook, Instagram, and Twitter to help with applicant engagement and recruitment during the COVID impacted virtual interview cycle.

### **Intro2Ortho.com Sports Medicine Curriculum**

2020-

I built an online curriculum intended to complement our PGY-3 on their 10 week sports medicine rotation. I'm working on further refining the curriculum with video lectures and quizzes.

### **Hospital Venous Thromboembolism Prevention Committee**

2020-

I am serving as a resident member of UMass Memorial's VTE prevention committee who meets once a month with the goal of preventing VTE incidence throughout the hospital system.

### **ResetYourWeight.Org**

2016-2019

I developed a video and website for family medicine physician Dr. Marlon Twyman to help patients with weight loss.

### **“Kids and Docs” Talk leader, Student to Student, WSU Boonshoft School of Medicine**

2015-2016

I gave talks to K-2 students at local elementary schools about going to the doctor and introduced them to basic medical equipment to help ease fears and inspire curiosity

- Lead teams and participated in activities with students

### **Volunteer, Project Amazonas**

2015

- Spent 10 days on a boat off a tributary of the Amazon river in Peru to see patients in underserved villages
- Used Spanish proficiency to triage patients and suggest treatment courses to the local doctor we worked with.

### **Finance Chairman, STEPS Initiative, WSU Boonshoft School of Medicine**

2014-2016

- STEPS is an inter-professional organization that combines students and faculty from medical, pharmacy, nursing, and psychology schools near Dayton to use motivational interviewing (MI) to improve health outcomes in the local homeless population.
- I managed the finances for the organization and participated in MI sessions and health assessments at local homeless shelters.

### **Professional Societies**

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Resident member of: AOSSM, AANA AAOS, ISAKOS, ORS