

CURRICULUM VITAE

LEIGH-ANNE TU, M.D.

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EDUCATION

Undergraduate
Education Bachelor of Arts
University of Pennsylvania
Philadelphia, PA
Major in Biology with honors
2005-2009

Medical
Education Doctor of Medicine
Jefferson Medical College
Philadelphia, PA
2010-2014

POSTGRADUATE TRAINING

Residency Case Western Reserve University
Department of Orthopaedic Surgery
Cleveland, Ohio
2014-2019

Fellowship University of Pittsburgh
Hand and Upper Extremity Fellowship
Pittsburgh, PA
2019-2020

HOSPITAL APPOINTMENTS

Advocate Lutheran General
Northshore University Health System
Northwest Community Hospital

Illinois Sports Medicine and Orthopedic Surgery Center
Golf Surgery Center
Ravine Way Surgery Center

LICENSURE/BOARD CERTIFICATION

Illinois State Medical License- March 2020
American Board of Orthopaedic Surgery – 2022
Surgery of the Hand Subspecialty Certification- 2024

PROFESSIONAL SOCIETIES

American Society for Surgery of the Hand
American Academy of Orthopaedic Surgery
Ohio Orthopaedic Society Residency Advisory Council (2016-2019)

EDUCATIONAL ACTIVITY

Courses:

1. Baratz ME, **Tu LA**. Soft tissue coverage options about the elbow. Mayo Clinic Comprehensive Shoulder and Elbow Course. Scottsdale, AZ. January 2020.

PUBLICATIONS

Peer-Reviewed Publications:

1. Guha S, Baltazar GC, **Tu LA**, Liu J, Lim JC, Lu W, Argall A, Boesze-Battaglia K, Laties AM, Mitchell CH. Stimulation of the D5 dopamine receptor acidifies the lysosomal pH of retinal pigmented epithelial cells and decreases accumulation of autofluorescent photoreceptor debris. *J Neurochem*. 2012 Aug; 122(4):823-33.
2. Guha S, Baltazar GC, Coffey EE, **Tu LA**, Lim JC, Beckel JM, Eysteinnsson T, Lu W, O'Brien-Jenkins A, Patel S, Laties AM, Mitchell CH. Lysosomal alkalization, lipid oxidation, impaired autophagy and reduced phagosome clearance triggered by P2X7 receptor activation in retinal pigmented epithelial cells. *FASEB J*. 2013 Nov; 27(11):4500-9.
3. **Tu LA**, Knapik DE, Sheehan J, Salata MJ, Voos JE. Prevalence of Jones fracture repair and impact on short-term NFL participation. *Foot Ankle Int*. 2018 Jan;39(1):6-10.

4. Morris WZ, Fowers CA, Weinberg DS, Millis MB, **Tu LA**, Liu RW. Hip morphology predicts posterior ischiofemoral impingement in a cadaveric model. *Hip Int.* 2019 May;29(3):322-327.
5. Knapik DM, **Tu LA**, Sheehan J, Salata MJ, Voos JE, Malone KJ. Scaphoid fracture repair does not significantly diminish short-term participation in the National Football League. *HSS J.* 2019 July; 15(2):137-142.
6. Collier CD, Su CA, Reich MS, **Tu LA**, Getty PJ. Six-week interval between preoperative radiation and surgery is associated with fewer major wound complications in soft tissue sarcoma. *Am J Clin Oncol.* 2020 Jul;43(7):491-495.
7. Wang, JH, Du, JY, **Tu LA**, Brown, CC, Chepla, K, Bafus, BT: A Comparison of 30-Day Perioperative Complications for Open Operative Care of Distal Upper-Extremity Fractures Treated by Orthopedic Versus Plastic Surgeons: A Study of the National Surgical Quality Improvement (NSQIP) Database. *Journal of Hand Surgery Global Online* 2020;2:84–89.
8. Kurlander DE, Swanson M, **Tu LA**, Kumar AR, Long TC, Lineberry KD, Khouri JS. Pulley Release and Reconstruction With Acellular Dermal Matrix After Zone 2 Flexor Tendon Injury. *Tech Hand Up Extrem Surg.* 2020 Sep 9. Epub ahead of print.

Publications: Other

1. **Tu LA**, Liu R. Epiphyseodesis Prediction and Technique. Pediatric Orthopaedic Society of North America (POSNA) Study Guide 2016. <https://posna.org/Physician-Education/Study-Guide/Epiphyseodesis-Prediction-and-Technique>. Accessed August 20, 2016

Book Chapters

1. **Tu LA**, Nakashian M, Baratz M: *Radial Head Arthroplasty*, in Geissler W (Ed) Wrist and Elbow Arthroscopy, 3e. In Production.
2. Welsh M, **Tu LA**, Baratz M: *Distal Humerus Fractures*, in Ricci W and Mehta S (Eds) Orthopaedic Knowledge Update: Trauma, 6e. In Production.
3. **Tu LA**, Kaufmann R: *Isolated Radial Head/Neck Fractures*, in Garrigues G, Richard M, and Gage G (Eds) Skeletal Trauma of the Upper Extremity. In Production.
4. **Tu LA**, Kaufmann R: *Tech: ORIF Radial Head and Neck*, in Garrigues G, Richard M, and Gage G (Eds) Skeletal Trauma of the Upper Extremity. In Production.
5. **Tu LA**, Kaufmann R: *Tech: Radial Head Arthroplasty*, in Garrigues G, Richard M, and Gage G (Eds) Skeletal Trauma of the Upper Extremity. In Production.

6. Baratz M, **Tu LA**: Cost-savings when scheduling hand surgery under WALANT vs. traditional anesthesia (video), in Lalonde D (Ed) Chapter 11: WALANT and Value in Healthcare: Improving Outcomes and Lower Cost. In Production.

Presentations at Local and National Meetings

1. Papatheodorou L, **Tu LA**, Sotereanos D. Trapeziectomy and partial trapezoid excision with interposition arthroplasty for isolated scaphotrapezietrapezoid joint arthritis. Poster presentation at ASSH Annual Meeting. October 2020.
2. **Tu LA**. Case presentations: zone I flexor tendon injuries. 6th Annual Pittsburgh Hand Therapy Conference. Pittsburgh, PA. October 2019.
3. **Tu LA**, Tanenbaum JE, Knapik DM, Malone KJ, Bafus BT. Complications following open reduction internal fixation versus total elbow arthroplasty in the treatment of distal humerus fractures. Poster presentation at ASSH Annual Meeting. Boston, MA. September 2018
4. Knapik DM, **Tu LA**, Sheehan J, Salata MJ, Voos JE. Prevalence of Jones fracture repair and impact on short-term NFL participation. Podium Presentation at Mid-America Orthopaedic Association Annual Meeting. San Antonio, TX. April 2018.
5. **Tu LA**, Tanenbaum JE, Knapik DM, Malone KJ, Bafus BT. Complications following open reduction internal fixation versus total elbow arthroplasty in the treatment of distal humerus fractures. Podium Presentation at Mid-America Orthopaedic Association Annual Meeting. San Antonio, TX. April 2018.
6. **Tu LA**, Weinberg DS, Liu RW. The association of femoral neck shaft angle and degenerative disease of the hip in a cadaveric population. Podium Presentation at 37th EPOS Annual Meeting. Oslo, Norway. April 2018
7. **Tu LA**, Weinberg DS, Liu RW. The association of femoral neck shaft angle and degenerative disease of the hip in a cadaveric population. Podium Presentation at AAOS Annual Meeting. New Orleans, LA. March 2018.
8. **Tu LA**, Weinberg DS, Liu RW. The association of femoral neck shaft angle and degenerative disease of the hip in a cadaveric population. Podium Presentation at International Limb Lengthening and Reconstruction Society Congress. Park City, Utah, July 2017.
9. **Tu LA**, Tanenbaum JE, Knapik DM, Malone KJ, Bafus BT. Complications following open reduction internal fixation versus total elbow arthroplasty in the treatment of distal humerus fractures. Podium Presentation at Alan Wilde, M.D., Resident and Fellow Research Symposium, "The Cutting Edge". Cleveland Clinic Foundation, Cleveland, OH, June 2017.

10. Collier CD, Su CA, Reich MS, **Tu LA**, Getty, PJ. Six-week interval between preoperative radiation and surgery is associated with fewer major wound complications in soft tissue sarcoma. Podium Presentation at MSTTS Annual Meeting. Detroit, Michigan, October 2016.
11. Cohen S, **Tu LA**, Atanda A, Marchetto P, Frederick R, Ciccotti M. Clinical outcomes after bilateral ACL reconstruction. Podium Presentation at Eastern Orthopedic Association Annual Meeting. Bolton Landing, NY, June 2012.
12. **Tu LA**, Rivlin M, Jimenez I, Lichstein P, Zielinska O, MacDonald D, Kurtz S, Parvizi J. The Resident Sutured in the Drain...Now What?- A biomechanical evaluation of sutured and retained surgical drains. Podium Presentation at Pennsylvania Orthopedic Society 2013 Fall Scientific Meeting. State College, PA, October 2013.
13. **Tu LA**, Guha S, Lim JC, Eysteinnsson T, Laties AM, Mitchell CH. Stimulation of the P2X7 receptor on RPE cells triggers a rapid release of IL-6. Poster presentation at The Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting. Ft. Lauderdale, FL, May 2010.
14. **Tu LA**, Lim J, Chee MWL, Dinges DF. Investigating the neural correlates of lapses after sleep deprivation in a test of selective attention. Poster presentation at Center for Sleep and Circadian Neurobiology (CSRN) Research Retreat, Philadelphia, PA. May 2009. Winner for Best Poster in Clinical/Translational Research.