



# 2016-17 Scholarly Activity

## Publications

- Wimalawansa S, Lopez R, de Lucas F, De Smet L, Boin MA, Dorweiler MA, Degreef I. Salvage of Failed Achilles Tendon Interposition Arthroplasty for DRUJ Instability After Ulnar Head Resection with Aptis Prosthesis. *Hand*. October, 2016.
- Boin MA, Dorweiler MA, McMellen C, Gould G, Laughlin RT. Suture-Only Repair Versus Suture Anchor–Augmented Repair for Achilles Tendon Ruptures With a Short Distal Stump. *Orthopaedic Journal of Sports Medicine*. 5(1). 2017. January
- Elias JJ, Soehnen NT, Guseila LM, Cosgarea AM. Dynamic tracking influenced by anatomy in patellar instability. *The Knee*, 2016; 23:450-455.
- Meeks BD, Meeks NM, Froehle A, Wareing E, Bonner KF. Patient satisfaction following biceps tenotomy. *Orthopaedic Journal of Sports Medicine (May 2017)* PMID: 28596975
- Richard T. Laughlin MD, Joseph T. Cox MD, Jessica Lee MD, Elizabeth Dulaney-Cripe MD, Brendan Southam BA, Ronald Markert PhD. Treatment of Achilles tendinopathy with a Platelet Rich Plasma Injection: a prospective cohort study. *Proceedings of the Mid-America Orthopaedic Association*, 2016.
- Quercetti N 3rd, Horne B, DiPaolo Z, Prayson MJ. Gun barrel view of the anterior pelvic ring for percutaneous anterior column or superior pubic ramus screw placement. *Eur J Orthop Surg Traumatol*. 2016 Oct 7. [Epub ahead of print]. PMID: 27718011.
- A Comparative Biomechanical Analysis of Two Double-Row, Distal Triceps Tendon Repairs. Dorweiler M, VanDyke R, Siska R, Gould G, Boin M, DiPaola M. *The Orthopaedic Journal of Sports Medicine*. 5(5). DOI: 10.1177/2325967117708308 May 2017
- Claessen FM, Stoop N, Doornberg JN, Guitton TG, van den Bekerom MP, Prayson, MJ, Ring D; Science of Variation Group. Interpretation of post-operative distal humerus radiographs after internal fixation: prediction of later loss of fixation. *J Hand Surg Am*. 2016 Oct;41(10):e337-e341. Doi: 10.1016/j.jhsa.2016.07.094. PMID: 27522299.
- Collinge CA, Hymes R, Archdeacon M, Streubel P, Obremesky W, Weber T, Watson JT, Prayson, MJ, Lowenberg D; Members of the Proximal Femur Working Group of the Southeast Trauma Consortium. Unstable proximal femur fractures treated with proximal femoral locking plates: a retrospective, multicenter study of 111 cases. *J Orthop Trauma*. 2016 Sep;30(9):489-95. Doi: 10.1097/BOT.0000000000000602. PMID: 27144821.
- Lee J, Williams C, Lowrey C, Gould G, Markert R, Laughlin RT. Flexor hallucis longus tendon transfer fixation: a biomechanical analysis of the effects of a terminal whipstitch and bone tunnel length. *Foot Ankle Spec*. 2016 Sep 7. Pii: 1938640016666917. [Epub ahead of print]. PMID: 27604514.
- May JH, Rieser GR, Williams CG, Markert RJ, Bauman RD, Lawless MW. The Assessment of Blood Loss During Total Knee Arthroplasty When Comparing Intravenous vs Intracapsular Administration of Tranexamic Acid. *J Arthroplasty*. 2016 Nov;31(11):2452-7. Doi: 10.1016/j.arth.2016.04.018. PMID: 27259391.
- Zura R, Xiong Z, Einhorn T, Watson JT, Ostrum RF, Prayson MJ, Della Rocca GJ, Mehta S, McKinley T, Wang Z, Steen RG. Epidemiology of fracture nonunion in 18 human bones. *JAMA Surg*. 2016 Nov 16;151(11):e162775. Doi: 10.1001/jamasurg.2016.2775. PMID: 27603155.
- Rufus Van Dyke MD, Roman Trimba MD, Greg Gould BS, Sejul Chaudary BS, Jessica Lee MD, Richard Laughlin MD. Biomechanical Head-to-Head Comparison of 2 Sutures and the Giftbox vs. Bunnell Techniques for Midsubstance Achilles Tendon Ruptures (2017). *Orthopaedic Journal of Sports Medicine*, 5(5), 2325967117707477. 5/17
- Dorweiler, M. A., Van Dyke, R. O., Siska, R. C., Boin, M. A., & DiPaola, M. J. (2017). A Comparative Biomechanical Analysis of 2 Double-Row, Distal Triceps Tendon Repairs. *Orthopaedic Journal of Sports Medicine*, 5(5), 2325967117708308. 5/17
- Sharma P, Wimalawansa SM, Gould GC, Johnson RM, Excoffon KJ. Adeno-Associated Virus 5 Transduces Adipose-Derived Stem Cells with Greater Efficacy Than Other Adeno-Associated Viral Serotypes. *Hum Gene Ther Methods*. 2016 Dec;27(6):219-227. Epub 2016 Nov 7. PMID: 27820963
- Deister, J., Cothorn, B. G., Williams, C. G., Froehle, A. W., Laughlin, R. T. (2017). Factors predicting length of hospital stay and extended care facility admission following hindfoot arthrodesis procedures. *Journal of Foot and Ankle Surgery*, 56, 805-812. PMID: 28633782
- Froehle, A. W., Grannis, K. A., Sherwood, R. J., Duren, D. L. (2017). Relationships between age at menarche, walking gait base of support, and stance phase frontal plane knee biomechanics in adolescent females. *Physical Medicine and Rehabilitation*, 9, 444-454. PMID: 27485675
- Holton, N., Alsamawi, A., Yokley, T., Froehle, A. W. (2016). The ontogeny of nasal shape: an analysis of sexual dimorphism in a longitudinal sample. *American Journal of Physical Anthropology*, 160, 52-61. PMID: 26823241
- Kiskaddon EM, Lee JH, Meeks BD, Barnhill S, Froehle A, Krishnamurthy A. "Hospital Discharge Within 1 Day Following Total Joint Arthroplasty From a Veteran Affairs Hospital Does Not Increase Complication and Readmission Rates." (*In Press-JOA*).
- Kiskaddon EM, Meeks BD, Roberts JG, Laughlin RT. "Plantar Fascia Release Through a Single Lateral Incision in the Operative Management of a Cavovarus Foot: A Cadaver Model Analysis of the Operative Technique." (*In Press-JFAS*)

## Presentations

- Venezia M., Battista C., Steffensmeier A., Albert M. The Use of Sublaminar Bands on the Treatment of Spinal Deformity: A Systematic Review of the Literature. *British Scoliosis Research Foundation*. June 6, 2017
- Battista C., Venezia M., Tarr R., Froehle A., Albert M. Comparative Analysis of Adolescent Idiopathic Scoliosis (AIS) Treated Surgically with High Implant Density Pedicle Screws (HIDPS) versus Hybrid Sublaminar Band (HSB) Technique *British Scoliosis Research Foundation*. June 6, 2017
- Wild C., Battista C., Sullenbarger J., Albert M. Prevention of Proximal Junctional Kyphosis/Failure Using Sublaminar Bands in a Hybrid Construct in Pediatric Kyphosis Deformity. *British Scoliosis Research Foundation*. June 6, 2017
- Trimba, R., Rutkowski, P., Horne, B.R., Venkatarayappa, I. A Novel Method for Detection of a Traumatic Knee Arthroscopy. *SICOT Orthopaedic World Congress in Rome, Italy*. September 8-10, 2016
- Ina J, Boin MA, Laughlin RT, Goswami T. Failure Analysis of PHILOS Plate used for Pantalar Arthrodesis. Podium presentation at the Ohio Orthopaedic Research and Innovation Symposium. April 2017. Dayton, OH.
- Dorweiler M, Boin MA, Lawless M, May J. The Effect of Tranexamic Acid on Early Postoperative Range of Motion Following Total Knee Arthroplasty. Podium Presentation at the Mid-America Orthopaedic Association Annual Meeting. April 2017. Amelia Island, FL.
- Boin MA, Dorweiler MA, McMellen C, Gould G, Laughlin RT. Suture-Only Repair Versus Suture Anchor–Augmented Repair for Achilles Tendon Ruptures With a Short Distal Stump. Poster Presentation at the Mid-America Orthopaedic Association Annual Meeting. April 2017. Amelia Island, FL.
- Boin MA, Narayanan S, Duren D, Dorweiler MA, Lee J, Froehle A, Laughlin RT. Factors Predicting Admission to Extended Care Facility following Distal Femur Fractures. Poster Presentation at the Mid-America Orthopaedic Association Annual Meeting. April 2017. Amelia Island, FL.
- Boin MA, Narayanan S, Duren D, Dorweiler MA, Lee J, Froehle A, Laughlin RT. Factors Predicting Admission to Extended Care Facility following Distal Femur Fractures. Poster Presentation at the Virginia C. Wood Research Forum. April 2017. Dayton, OH.
- Meeks B, Kiskaddon E, Boin MA, Willen B, Patel T, Prayson M. The Role of Far Cortical Endosteal Fixation for the Treatment of Medial Malleolus Fractures: A Biomechanical Study. Poster Presentation at the Ohio Orthopaedic Society Annual Meeting. Award finalist. May 2017. Columbus, OH.
- Boin MA, Dorweiler MA, McMellen C, Gould G, Laughlin RT. Suture-Only Repair Versus Suture Anchor–Augmented Repair for Achilles Tendon Ruptures With a Short Distal Stump. Poster Presentation at the Ohio Orthopaedic Society Annual Meeting. Award Finalist. May 2017. Columbus, OH.
- Meeks BD, Kiskaddon EM, Boin M, Patel T, Laughlin RT, Prayson MJ. "Novel Technique for Fixation of Medial Malleolus Fractures: A Biomechanical Study." *Ohio Orthopaedic Society Annual Meeting*. May 2017. Dublin, OH.
- Boin MA, Dorweiler MA, McMellen C, Gould G, Laughlin RT. "Suture-Only Repair Versus Suture-Anchor Augmented Repair for Achilles Tendon Ruptures with a Short Distal Stump: A Biomechanical Comparison". *Mid-America Orthopaedic Association Annual Meeting*. April 2017
- Kruel, Sarah MD, Kayanja, Mark MD. "Symptomatic adolescent vertebral hemangiomas and the need for a treatment algorithm: A case report." 2017 DAGMEC Virginia C. Wood Resident Research Forum. Poster presentation. April 27, 2017
- Kiskaddon, Erik MD, Lee, Jessica MD, Meeks, Brett MD, Barnhill, Spencer MS, Krishnamurthy, Anil MBBS. "Hospital Discharge Within 1 Day Following Total Joint Arthroplasty in a Veterans Affairs Hospital Does Not Increase Complication and Readmission Rates." 2017 DAGMEC Virginia C. Wood Resident Research Forum. Poster presentation. April 27, 2017
- Luckenbill, Daniel MD, Lee, Jessica MD, Van Dyke, Rufus MD, Krishnamurthy, Anil MBBS. "Guided vs. Free Hand Patella Resurfacing: The Effect on Patellar Tracking." *Mid-America Orthopaedic Association Annual Meeting*. April 2017
- Rogozinski, J MD, Schach, B BS, Johnson, R. Michael MD, MPH. "Vascularized Tendon Graft to the Central Slip Using a Finger Filet Flap." Poster Presentation, East Great Lakes Burn Conference. October 17, 2017.

## Book Chapter

- Froehle, A. W., Laughlin, R. T., Sherwood, R. J., Duren, D. L. (2016). Gait patterns after bariatric surgery. In R. Rajendram, C. Martin, & V. R. Preedy (Eds.), *Metabolism and pathophysiology of bariatric surgery: nutrition, procedures, outcomes and adverse effects* (553-562). London: Reed Elsevier.

