

1. Trentacosta N, Pace JL, Metzger MF, Michalski M, Nelson T, Polakof L, Mandelbaum B, "Biomechanical Evaluation of Pediatric Anterior Cruciate Ligament (ACL) Techniques with and without the Anterolateral Ligament (ALL)". *J Pediatr Orthop*, Oct 23 2017. DOI: 10.1097/BPO.0000000000001078 (2017)
2. Bhamb N, Kanim L, Maldonado R, Svet M, Metzger MF, "Effect of modulating dietary vitamin D on the general bone health of rats during posterolateral spinal fusion. *J Orthop Res*. 2017 Dec 20. doi: 10.1002/jor.23832 (2017)
3. Kremen TJ, Polakof LS, Rajee S, Nelson TJ, Metzger MF, "The Effect of Hamstring Tendon Autograft Harvest on the Restoration of Knee Stability in the Setting of Concurrent Anterior Cruciate Ligament and Medial Collateral Ligament Injuries", *Am J Sports Med.*, Jan;46(1):163-170 (2018)
4. Alayan A, Maldonado RC, Polakof L, Metzger MF, Saini A, Lin C, Moon C. "Biomechanical Analysis of a Novel Buried Fixation Technique Using Headless Compression Screws". *Am J Orthop*. 47(7); (2018).
5. Pfeffer GB, Gonzalez TA, Zapf M, Nelson TJ, Metzger MF. "Postoperative Achilles Pull-out Strength after Open Calcaneoplasty for Haglund's Syndrome". *Foot Ankle Int*. Aug;39(8):966-969. doi: 10.1177/1071100718770391. PMID: 29652192 (2018)
6. Bhamb N, Kanim LEA, Maldonado RC, Nelson TJ, Salehi K, Glaeser JD, Metzger MF. "The Impact of Type 2 Diabetes on Bone Metabolism and Growth after Spinal Fusion". *Spine J* Jun;19(6):1085-1093, DOI: 10.1016/j.spinee.2018.12.003,(2019).
7. Michalski MP, Gonzalez TA, Metzger MF, Nelson TJ, Eberlein SA, Pfeffer GB. "A Biomechanical Comparison of Achilles Tendon Pullout Strength Following Midline Tendon-Splitting and Endoscopic Approaches for Calcaneoplasty". *Foot Ankle Int*. Jun 17:1071100719856939. doi: 10.1177/1071100719856939 PMID: 31203670 (2019).
8. Thomas D, Thordarson D, Nelson TJ, Timothy CP, Eberlein S, Metzger MF. "Biomechanical Impact of FHL Tendon Harvest on Forefoot and Great Toe Push-Off Strength and its Correlation to Knot of Henry Crossover Variation". *Foot Ankle Int*. Sep 14:1071100719875229. doi: 10.1177/107110071987522 (2019).
9. Dutton P, Banffy M, Nelson TJ, Metzger MF. "Anatomic and Biomechanical Evaluation of Ulnar Tunnel Position in Medial Ulnar Collateral Ligament Reconstruction", *Am J Sports Med* 47(14):3491–3497 <https://doi.org/10.1177/0363546519880182>, (2019)
10. Garlich J, Samuel K, Nelson TJ, Monfiston CH, Kremen TJ, Metzger MF, Little M. "Infraspinatus Tenotomy Improves Glenoid Visualization with The Modified Judet Approach", *J Orthop Trauma*, Oct 7. doi: 10.1097/BOT.0000000000001659 (2019)
11. Chahla J, Nelson TJ, Dallo I, Yalamanchili R, Eberlein SA, Limpisvasti O, Mandelbaum B, Metzger MF. "Anterior Cruciate Ligament Repair versus Reconstruction: A Biomechanical Analysis" *The Knee*, In Press. <https://doi.org/10.1016/j.knee.2019.10.020> (2019)
12. NaPier Z, Kanim LEA, Nelson TJ, Salehi K, Arabi Y, Glaeser JD, Dmitriy Sheyn D, Metzger MF. "Spinal Fusion is Inhibited in an Insulin Dependent Diabetes Rat Model", *Spine J*, 10.1016/j.spinee.2019.11.011 (2019)
13. Chahla J, Papalamprou A, Khnkoyan Z, Arabi Y, Chan V, Salehi K, Nelson TJ, Limpisvasti O, Mandelbaum BR, Metzger MF, Sheyn D. "Revisiting the Vascularity and Resident Stem Cell Population of the Meniscal White-White Zone", Submitted to *Am J Sports Med*. March 2019.
14. Glaeser J, Salehi K, Kanim L, Ju D, Hyuk J, Behrens P, Eberlein S, Metzger M, Arabi Y, Stefanovic T, Sheyn D, Bae H. "Electrospun, synthetic bone void filler promotes human MSC function and BMP-2 mediated spinal fusion" Submitted to *Journal of Biomaterials Applications*, May 2020.
15. Pfeffer G, Michalski M, Nelson TJ, An T, Metzger MF. "Biomechanical Evaluation of Extensor Tendon Transfers for Treatment of Foot Drop in Charcot-Marie-Tooth Disease" Accepted to *Foot Ankle Int*. Dec 3rd, 2019.
16. Grotting JA, Nelson TJ, Banffy MB, Yalamanchili R, Eberlein SA, Chahla J, Metzger MF. "Biomechanical Evaluation of PCL Reconstruction with Suture Augmentation" *The Knee*, <https://doi.org/10.1016/j.knee.2020.01.004>, Jan 2020.

17. **Garlich J**, Little M, Nelson TJ, Eberlein SA, Monfiston CH, Metzger MF. “A Comparison of Three Fixation Strategies in the Treatment of Neer Type IIB Distal Clavicle Fractures”, Accepted to *Journal of Orthopaedic Trauma*, January 2020.
18. Kremen TJ, **Haggerty E**, Eberlein SA, Chahla J, Nelson TJ, Schroeder G, Metzger MF. “How Accurate do Radiographic Landmarks Predict Lateral Knee Structures?” Submitted to *Arthroscopy* Dec 2019.
19. Uffmann W, ElAttrache N, Nelson TJ, Eberlein SA, **Wang J**, Howard DR, Metzger MF. “Strain on the Reconstructed Anterior Cruciate Ligament Increases with Lateral Meniscus Posterior Root Tears”, In process, will be submitted to *Arthroscopy* Nov 2019.
20. Kremen TJ, Monfiston CH, **Garlich J**, Little M, Metzger MF. “When Is a Hill-Sachs Lesion Too Large for Remplissage?: The Relationship between Humeral Head Size and Infraspinatus Tendon Length?” submitted to *AJSM*, May 2020.