

Harris Lab January – June 2018 Publications

1. Zumbrunn T, Patel R, Duffy MP, Rubash HE, Malchau H, Freiberg AA, Muratoglu OK, Varadarajan KM. Cadaver-Specific Models for Finite-Element Analysis of Iliopsoas Impingement in Dual-Mobility Hip Implants. *J Arthroplasty*. 2018 Jun 30..
2. Erkan G, Muratoglu S, Ercin U, Bilgihan A. Angiopoietin-like Protein 2 and Angiopoietin-like Protein 6 Levels in Patients with Nonalcoholic Fatty Liver Disease. *Arch Med Sci*. 2018 Jun;14(4):781-787.
3. Inan C, Muratoglu H, Arif BM, Demirbag Z. Amsacta Moorei Entomopoxvirus Encodes a Functional Heparin-Binding Glycosyltransferase (AMV248). *Virus Genes*. 2018 Jun;54(3):438-445.
4. Connelly JW, Galea VP, Matuszak SJ, Madanat R, Muratoglu O, Malchau H. Indications for MARS-MRI in Patients Treated With Metal-on-Metal Hip Resurfacing Arthroplasty. *J Arthroplasty*. 2018 Jun;33(6):1919-1925.
5. Donahue G, Galea VP, Laaksonen I, Connelly J, Muratoglu O, Malchau H. Establishing Thresholds for Metal Ion Levels in Patients with Bilateral Articular Surface Replacement Hip Arthroplasty. *Hip Int*. 2018 May.
6. Madanat R, Laaksonen I, Graves SE, Lorimer M, Muratoglu O, Malchau H. Ceramic Bearings for Total Hip Arthroplasty are Associated with a Reduced Risk of Revision for Infection. *Hip Int*. 2018 May;28(3):222-226.
7. Kayandan S, Doshi BN, Oral E, Muratoglu OK. Surface Cross-Linked Ultra High Molecular Weight Polyethylene by Emulsified Diffusion of Dicumyl Peroxide. *J Biomed Mater Res B Appl Biomater*. 2018 May;106(4):1517-1523.
8. Zumbrunn T, Duffy MP, Rubash HE, Malchau H, Muratoglu OK, Varadarajan KM. ACL Substitution May Improve Kinematics of PCL-Retaining Total Knee Arthroplasty. *Knee Surg Sports Traumatol Arthrosc*. 2018 May;26(5):1445-1454.
9. Matuszak S, Galea VP, Connelly J, Christiansen J, Muratoglu O, Malchau H. Periprosthetic Acetabular Radiolucency Progression in Mid-term Follow-up of Metal-on-Metal Hips. *Arch Orthop Trauma Surg*. 2018 May.
10. Hampikyan H, Bingol EB, Muratoglu K, Akkaya E, Cetin O, Colak H. The Prevalence of Clostridium Difficile in Cattle and Sheep Carcasses and the Antibiotic Susceptibility of Isolates. *Meat Sci*. 2018 May;139:120-124.
11. Galea VP, Laaksonen I, Connelly JW, Matuszak SJ, Nortje M, Madanat R, Muratoglu O, Malchau, H. What is the Clinical Presentation of Adverse Local Tissue Reaction in Metal-on-Metal Hip Arthroplasty? A MARS-MRI Evaluation of 327 patients at 7 years follow-up. *Clin Orthop Relat Res* 2018 April.
12. Galea VP, Laaksonen I, Donahue S, Fukui K, Kaneuji A, Malchau H, Bragdon C. Developmental Dysplasia Treated with Cementless Total Hip Arthroplasty with High Hip Center Reconstruction: A Minimum Thirteen-Year Study. *J Arthroplasty*. 2018 April.
13. Keleş MK, Muratoğlu HG, Elmas F, Karamürsel S. An Easy Method to Make a Microscale. *J Reconstr Microsurg*. 2018 Mar 6.
14. Danismazoglu M, Nalcacioglu R, Muratoglu H, Demirbag Z. The Protein-Protein Interactions Between Amsacta Moorei Entomopoxvirus (AMEV) Protein Kinases (PKs) and All Viral Proteins. *Virus Res*. 2018 Mar 15;248:31-38.

15. Lindgren V, Galea VP, Nebergall A, Greene M, Rolfson O, Malchau H. Five-Year Radiographic Outcomes of Porous Titanium Coating and Plasma Sprayed Acetabular Shells in a Prospective Multicenter Study. *J Bone and Joint Surgery*. 2018 Feb.
16. Connelly J, Galea VP, Matuszak S, Madanat R, Muratoglu O, Malchau H. Indications for MARS-MRI in Patients Treated with Metal-on-Metal Total Hip Arthroplasty. *J Arthroplasty*. 2018 Jan.
17. Laaksonen I, Galea VP, Donahue GS, Matuszak S, Muratoglu O, Malchau H. The Cobalt/Chromium Ratio Provides Similar Diagnostic Value to a Low Cobalt Threshold in Predicting ALTR in Patients with Metal-on-Metal Arthroplasty. *J Arthroplasty*. 2018 Jan.
18. Arif MF, Kumar S, Gupta TK, Varadarajan KM. Strong linear piezoresistive response of carbon nanostructures reinforced hyperelastic polymer nanocomposites. *Composites Part A*, 2018.
19. S.K. Reddy S. Kumar, K.M. Varadarajan, P.R. Marpu, Tejendra K. Gupta, M. Choosri. Strain and damage self-sensing performance of biocompatible smart CNT/UHMWPE nanocomposites. *Materials Science & Engineering C*, 2018.
20. Zumbrunn T, Patel R, Duffy MP, Rubash HE, Malchau H, Freiberg AA, Muratoglu OK, Varadarajan KM. Cadaver Specific Models for Finite Element Analysis of Iliopsoas Impingement in Dual Mobility Hip Implants. *J Arthroplasty* 2018.
21. Arif MA, Kumar S, Varadarajan KM, Cantwell WJ. "Performance of Biocompatible PEEK Processed by Fused Deposition Additive Manufacturing Materials and Design". *Mater Des* 2018 [in press].
22. Gupta T, Choosria M, Varadarajan KM, and Kumar S. "Self-sensing and mechanical performance of CNT/GNP/UHMWPE biocompatible nanocomposites". *Journal of materials science*. 2018; 53(11):7939–7952.
23. Tejendra G, Kumar S, Khan A; Varadarajan KM. "Self-sensing performance of MWCNT-low density polyethylene nanocomposites". *Materials Research Express*, Volume 5, Number 1, 2018
24. Varadarajan KM, Porteous A, Freiberg AA. "Tibiofemoral Partial Knee Arthroplasty Implant Designs". *Partial Knee Arthroplasty*. Published by Springer International. 2018 [Book chapter in press].
25. Laaksonen I, Galea VP, Connelly JW, Matuszak SJ, Muratoglu OK, Malchau H. Inferior Radiographic and Functional Outcomes with Modular Stem in Metal-on-Metal Total Hip Arthroplasty. *J Arthroplasty*. 2018 Feb;33(2):464-469.
26. Connelly J, Galea V, Matuszak S, Madanat R, Muratoglu O, Malchau H. Indications for MARS-MRI in Patients Treated with Metal-on-Metal Hip Resurfacing Arthroplasty. *J Arthroplasty*. 2018 Jan.
27. Donahue GS, Lindgren V, Galea VP, Madanat R, Muratoglu OK, Malchau H. Risk Factors for Mid-Term Revision Surgery in Patients with Articular Surface Replacement Total Hip Arthroplasty. *Hip Int*. 2018 Jan;28(1):44-49.
28. Inan C, Muratoglu H, Arif BM, Demirbag Z. Transcriptional Analysis of the Putative Glycosyltransferase Gene (amv248) of the Amsacta Moorei Entomopoxvirus. *Virus Res*. 2018 Jan 2;243:25-30.
29. Oral E, Fung M, Rowell SL, Muratoglu OK. An In-Vitro Oxidation Model UHMWPE for incorporating synovial fluid lipids. *J Orthop Res*. 2018; Jan 4.