

## Harris Lab 2015 Publications

- Madanat R, Hussey DK, Donahue GS, Potter HG, Wallace R, Bragdon C, Muratoglu O, Malchau H. Early Lessons from a World-wide, Multicenter, Followup Study of the Recalled Articular Surface Replacement Hip System. Clin Orthop Relat Res. 2015 Aug 27 [[Pub Med](#)] [[PDF](#)]
- Madanat R, Hussey DK, Donahue GS, Potter HG, Wallace R, Bragdon C, Muratoglu O, Malchau H. The Symmetry of Adverse Local Tissue Reactions in Patients with Bilateral Simultaneous and Sequential ASR Hip Replacement. J Arthroplasty. 30(10):1794-8 (2015 Oct). [[Pub Med](#)] [[PDF](#)]
- Foster SA, Hambricht DS, Antoci V, Greene ME, Malchau H, Kwon YM. Effects of Obesity on Health Related Quality of Life Following Total Hip Arthroplasty. J Arthroplasty. 2015 Mar 31. [[Pub Med](#)] [[PDF](#)]
- Oral E, Neils AL, Doshi BN, Fu J, Muratoglu OK. Effects of simulated oxidation on the in vitro wear and mechanical properties of irradiated and melted highly crosslinked UHMWPE. J Biomed Mater Res B Appl Biomater. 2015 Mar 12. [[Pub Med](#)]
- Sillesen NH, Greene ME, Nebergall AK, Nielsen PT, Laursen MB, Troelsen A, Malchau H. Three Year RSA Evaluation of Vitamin E Diffused Highly Cross-linked Polyethylene Liners and Cup Stability. J Arthroplasty. 2015 Feb 18. [[Pub Med](#)] [[PDF](#)]
- Hansen VJ, Gromov K, Lebrun LM, Rubash HE, Malchau H, Freiberg AA. Does the Risk Assessment and Prediction Tool predict discharge disposition after joint replacement? Clin Orthop Relat Res. 473(2):597-601 (2015 Feb). [[Pub Med](#)] [[PDF](#)]
- Malchau H, Graves SE, Porter M, Harris WH, Troelsen A. The next critical role of orthopedic registries. Acta Orthop. 86(1):3-4 (2015 Feb). [[Pub Med](#)] [[PDF](#)]
- Doshi B, Fu J, Oral E, Muratoglu OK. Vitamin E can be used to hinder scissioning in radiation cross-linked UHMWPE during high-temperature melting. Journal of Applied Polymer Science 132: 42735 (1-8) (2015) [[JAPS](#)]
- Doshi B, Ghali B, Godleski-Beckos C, Lozynsky A, Oral E, Muratoglu OK. High pressure crystallization of vitamin E-containing radiation cross-linked UHMWPE. Macromolecular Materials and Engineering 300: 458-465 (2015) [[Pub Med](#)]
- Varadarajan KM, Zumbunn T, Duffy MP, Patel R, Rubash HE, Malchau H, Muratoglu K, Freiberg AA. Anatomically Contoured Large Femoral Heads Can Reduce Iliopsoas Impingement: A Cadaver Verification Study. Seminars in Arthrop. 2015; 26(1): 28-33. [[SA](#)]

- Varadarajan KM, Zupbrunn T, Rubash HE, Malchau H, Muratoglu OK, Li G. Reverse Engineering Nature to Design Biomimetic Total Knee Implants. J Knee Surg, 28(5), pp 363-9. [[Pub Med](#)]
- Zupbrunn T, Varadarajan KM, Rubash HE, Malchau H, Li G, Muratoglu OK. Regaining Native Knee Kinematics following Joint Arthroplasty: A Novel Biomimetic Total Knee Arthroplasty with ACL and PCL Preservation. J Arthroplasty. 2015 [[Pub Med](#)] [[PDF](#)]
- Varadarajan KM , Zupbrunn T, Rubash HE, Malchau H, Li G, Muratoglu K. Cruciate Retaining Implant with Biomimetic Articular Surfaces to Reproduce Activity Dependent Kinematics of the Normal Knee. J Arthroplasty. 2015 [[PDF](#)] [[Pub Med](#)]
- Varadarajan KM , Zupbrunn T, Duffy M, Patel R, Rubash HE, Malchau H, Freiberg AA, Muratoglu K. Reducing the Distal Profile of Dual Mobility Liners Can Mitigate Soft-tissue Impingement and Liner Entrapment without Affecting Mechanical Performance. J Orthop Res. 2015 [[Pub Med](#)] [[PDF](#)]