

Harris Orthopaedic Laboratory Publications

Original Research

1. Foster SA, Hambright 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 (e-pub ahead of print).
2. 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 (e-pub ahead of print).
3. 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 (e-pub ahead of print).
4. 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).
5. 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).
6. Oral E, Neils AL, Wannomae KK, Muratoglu OK. Novel active stabilization technology in highly crosslinked UHMWPEs for superior stability. *Radiat Phys Chem*. 105:6-11 (2014 Dec).
7. Greene ME, Rader KA, Garellick G, Malchau H, Freiberg AA, Rolfson O. The EQ-5D-5L Improves on the EQ-5D-3L for Health-related Quality-of-life Assessment in Patients Undergoing Total Hip Arthroplasty. *Clin Orthop Relat Res*. 2014 Dec 9 (e-pub ahead of print).
8. Gromov K, Greene ME, Sillesen NH, Troelsen A, Malchau H, Huddleston JI, Emerson R, Garcia-Cimbrelo E, Gebuhr P; Multicenter Writing Committee. Regional differences between US and Europe in radiological osteoarthritis and self assessed quality of life in patients undergoing total hip arthroplasty surgery. *J Arthroplasty*. 29(11):2078-83 (2014 Nov).
9. Hansen VJ, Greene ME, Bragdon MA, Nebergall AK, Barr CJ, Huddleston JI, Bragdon CR, Malchau H. Registries collecting level-I through IV Data: institutional and multicenter use: AAOS exhibit selection. *J Bone Joint Surg Am*. 96(18):e160 (2014 Sep).
10. Bichara DA, Malchau E, Sillesen NH, Cakmak S, Nielsen GP, Muratoglu OK. Vitamin E-diffused highly cross-linked UHMWPE particles induce less osteolysis compared to highly cross-linked virgin UHMWPE particles in vivo. *J Arthroplasty*. 29(9 suppl):232-7 (2014 Sep).
11. Oral E, Neils A, Muratoglu OK. High vitamin E content, impact resistant UHMWPE blend without loss of wear resistance. *J Biomed Mater Res B Appl Biomater*. 2014 Aug 13 (e-pub ahead of print).
12. Bichara DA, Bodugoz-Sentruk H, Ling D, Malchau E, Bragdon CR, Muratoglu OK. Osteochondral defect repair using a polyvinyl alcohol-polyacrylic acid (PVA-PAAc) hydrogel. *Biomedical Materials*. 9(4):045012 (2014 Aug).
13. Greene ME, Rolfson O, Nemes S, Gordon M, Malchau H, Garellick G. Education attainment is associated with patient-reported outcomes: findings from the Swedish Hip Arthroplasty Register. *Clin Orthop Relat Res*. 472(6):1868-76 (2014 Jun).
14. Goldvasser D, Hansen VJ, Noz ME, Maguire GQ Jr, Zeleznik MP, Olivecrona H, Bragdon CR, Weidenhielm L, Malchau H. In vivo and ex vivo measurement of polyethylene wear in total hip

arthroplasty: comparison of measurements using a CT algorithm, a coordinate-measuring machine, and a micrometer. *Acta Orthop.* 85(3):271-5 (2014 Jun).

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16. Choi HR, Freiberg AA, Malchau H, Rubash HE, Kwon YM. The fate of unplanned retention of prosthetic articulating spacers for infected total hip and total knee arthroplasty. *J Arthroplasty.* 29(4):690-3 (2014 Apr).
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