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References

[1] Dyrby and Andriacchi 2004 J Orthopaedic Research 22 794-800 [2] Koo and Andriacchi 2008 J Biomechanics 41 1269-1273. 3] Banks and Hodge 2004 J Arthroplasty 19 809-816. Freeman and Pinskerova 2005 J Biomechanics 38 197-208

[5] Iwakiet et al. 2000 J Bone & Joint Surgery (Br) 82 1189-1195. [6] Abdelgaied et al. 2011 J Biomechanics 44 1108-1116 [7] McEwen et al. 2005 J Biomechanics 38 357-365.

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Acknowledgements: A. Abdelgaied was supported by The Egyptian Ministry of Higher Education & Scientific Research (Helwan University). J. Fisher is an NIHR senior investigator. This research work is supported by EPSRC, the Leeds Centre of Excellence in Medical Engineering, WELMEC, funded by the Wellcome Trust and EPSRČ, WT088908/Z/09/Z and the Leeds Musculoskeletal Biomedical Research Unit (LMBRU), funded by NIHR.