Marianne Black
Ph.D. Student in Mechanical Engineering, admitted Autumn 2014

Publications

PUBLICATIONS

• The effect of wedge and tibial slope angles on knee contact pressure and kinematics following medial opening-wedge high tibial osteotomy. *Clinical Biomechanics*
  2018; 51: 17–25

• Five-minute knee MRI for simultaneous morphometry and T2 relaxometry of cartilage and meniscus and for semiquantitative radiological assessment using double-echo in steady-state at 3T. *Journal of magnetic resonance imaging: JMRI*
  2018; 47 (5): 1328–41

• Comparison of Different Approaches for Measuring Tibial Cartilage Thickness. *Journal of Integrative Bioinformatics*
  Maier, J., Black, M., Bonaretti, S., Bier, B., Eskofier, B., Choi, J., Levenston, M., Gold, G., Fährig, R., Maier, A.
  2017; 14 (2)

• Making Safe Surgery Affordable: Design of a Surgical Drill Cover System for Scale. *Journal of Orthopaedic Trauma*
  Buchan, L. L., Black, M. S., Cancilla, M. A., Huisman, E. S., Kooyman, J. J., Nelson, S. C., O'Hara, N. N., O'Brien, P. J., Blachut, P. A.
  2015; 29 Suppl 10: S29–32