



## **Mr Michael Whitehouse**

**BSc, MBChB(Bristol), MSc - Orthopaedic Engineering (Wales), PhD, FRCS (Tr&Orth), PGCert (TLHE), FHEA**

Reader in Trauma and Orthopaedics

### **Area of research**

Trauma and Orthopaedic Surgery

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### **Summary**

### **Biography**

Mike studied Medicine in Bristol with an intercalated BSc in Cellular and Molecular Pathology (1998), graduating in 2001. He completed his house jobs at North Bristol before taking up an Anatomy Demonstrator post at Birmingham University in 2002. His Basic Surgical Training was conducted on the Bristol Royal Infirmary rotation and he gained membership of the Royal College of Surgeons in 2005. His higher surgical training in Trauma and Orthopaedics commenced in South West Thames in 2007 before he returned to the Bristol rotation in 2008. In 2009 he was awarded the McMinn Scholarship by the British Hip Society and made a Royal College of Surgeons of England Research Fellow and Stefan Galeski Travelling Fellow for the Royal College. In 2010 he completed the MSc in Orthopaedic Engineering at Cardiff University, graduating with distinction and the top of his year and attained his PhD in January 2011. Mike gained the FRCS (Trauma and Orthopaedics) in February 2011 and commenced as the NIHR Clinical Lecturer in Orthopaedics in March 2011 having previously been an Honorary Lecturer with the Department.

The subject of his PhD concerns improving the fixation and survivorship of the cemented cup in total hip replacement. His MSc thesis involved analysis of the mechanical properties of bone cement and the effects of storage medium and temperature on those properties. His BSc thesis looked at the effect of metal wear debris from revision hip replacement on human amnion cells.

In addition to the above, Mike's current research interests include: outcomes after joint replacement surgery, causes and outcomes of revision surgery, survivorship and functional analyses of certain prostheses and immunostimulation in post-operative patients.

### **Keywords**

- Outcomes after joint replacement surgery
- Causes and outcomes of revision surgery
- Survivorship and functional analyses of certain prostheses
- Immunostimulation in post-operative patients

### **Memberships**

### **Organisations**

[Bristol Medical School \(THS\)](#)

### **Academic staff**

- [School of Clinical Sciences Academic Staff](#)

## Research groupings

- [Orthopaedic Surgery](#)
- [Musculoskeletal Research Unit](#)

## Recent publications

- Lenguerrand, E, Whitehouse, M, Beswick, A, Kunutsor, S, Foguet, P, Porter, M & Blom, A, 2019, '[Risk factors associated with revision for prosthetic joint infection \(PJI\) following knee replacement: an observational cohort study from the National Joint Registry for England, Wales, Northern Ireland and the Isle of Man](#)'. *Lancet Infectious Diseases*.
- Wyatt, MC, Foxall-Smith, M, Robertson, A, Beswick, A, Kieser, DC & Whitehouse, MR, 2019, '[The use of silver coating in hip megaprotheses: a systematic review](#)'. *Hip International*, vol 29., pp. 7-20
- Stevens, J, Shiels, S, Whitehouse, M & Baker, R, 2019, '[Preparing the femur before the acetabulum does not reduce total blood loss in primary total hip replacement](#)'. *Journal of Orthopaedics*, pp. 353-355
- Kunutsor, S, Barrett, M, Blom, A & Whitehouse, M, 2019, '[Host-related factors for venous thromboembolism following total joint replacement: A meta-analysis of 89 observational studies involving over 14 million hip and knee replacements](#)'. *Journal of Orthopaedic Science*.
- Barrett, M, Robertson-Waters, E, Whitehouse, M, Blom, A & Berstock, J, 2019, '[Trochanteric Spurs and Surface Irregularities on Plain Radiography Are Not Predictive of Greater Trochanteric Pain Syndrome](#)'. *Hip International*.
- Jonas, SC, Whitehouse, MR, Bick, S, Bannister, GC & Baker, RP, 2019, '[An 18-year comparison of hybrid total hip replacement and Birmingham hip resurfacing in active young patients](#)'. *Hip International*, pp. 1120700018814710
- Deere, K, Whitehouse, M, Porter, ML, Blom, A & Sayers, A, 2019, '[Assessing the non-inferiority of prosthesis used in total and unicondylar knee replacements using data from the National Joint Registry of England, Wales, Northern Ireland and the Isle of Man: A benchmarking study](#)'. *BMJ Open*.
- Deere, K, Whitehouse, M, Porter, ML, Blom, A & Sayers, A, 2019, '[Assessing the non-inferiority of prosthesis constructs used in hip replacement using data from the National Joint Registry of England, Wales, Northern Ireland and the Isle of Man: A Benchmarking study](#)'. *BMJ Open*.
- Kunutsor, S, Voutilainen, A, Whitehouse, M, Seidu, S, Kauhanen, J, Blom, A & Laukkanen, J, 2019, '[Serum Albumin and Future Risk of Hip, Humeral, and Wrist Fractures in Caucasian Men: New Findings from a Prospective Cohort Study](#)'. *Medical Principles and Practice*.
- Evans, J, Evans, J, Walker, R, Blom, A, Whitehouse, M & Sayers, A, 2019, '[How long does a hip replacement last?: A systematic review and meta-analysis of case series and national registry reports with more than 15 years of follow-up](#)'. *Lancet*, vol 393., pp. 647-654

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