

# **CURRICULUM VITAE**

**ANDREW GORDON**

## PERSONAL DETAILS

Name	<b>Andrew Gordon</b>
Address	Sheffield
Nationality	British
Age and Marital Status	52years, married, 3 children
GMC Registration Number	4416906

## EDUCATION

### School Education

1984 - 1991	<b>9 GCSEs</b> <b>3 'A' Levels</b> <b>1 'S' Level</b>	The King's School, Park Road. Peterborough
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### Medical Education

1995	<b>B.Med.Sci. (Cancer Studies) Hons.</b>	University of Sheffield
1997	<b>M.B Ch.B.</b>	University of Sheffield

### Post Graduate Education

June 2001	<b>M.R.C.S.</b>	The Royal College of Surgeons of England.
April 2011	<b>PhD</b>	University of Sheffield
May 2011	<b>FRCS (Tr and Orth)</b>	The Royal College of Surgeons of England.

## PRIZES

### International

- 2008      **New Investigator Recognition Award Finalist.** Orthopaedic Research Society Annual Meeting. San Francisco, USA
- 2007      **William H. Harris Award** at the Orthopaedic Research Society Annual Meeting. San Diego, USA  
(1<sup>st</sup> time awarded to Non-United States author)
- 2007      **New Investigator Recognition Award Finalist.** Orthopaedic Research Society Annual Meeting. San Diego, USA
- 2002      **Young Investigator Award Finalist.** European Hip Society, Bevano, Italy.

### National

- 2009      **Best Poster Presentation** – British Hip Society Annual Meeting, Manchester, UK
- 2008      **Best Oral Presentation by Clinical Scientist.** Bone Research Society/British Orthopaedic Society, 2<sup>nd</sup> Joint Meeting. Manchester, UK. (Award presented by BORS)
- 2008      **Mckee Prize. Best oral presentation** – British Hip Society Annual Meeting. Norwich, UK
- 1997      **Undergraduate Essay Prize of The Royal College of Radiologists Faculty of Clinical Oncology.**

### Local

- 2008      **Best Poster Presentation** – Sheffield University School and Medicine and Biomedical Sciences Annual Meeting
- 2007      **John Getty Plate.** Sheffield Orthopaedic Training Programme
- 2006      **Graduate Presentation Day. 2<sup>nd</sup> Place** -University of Sheffield, UK
- 2003      **Graduate Presentation Day. Best Presentation** - University of Sheffield, UK
- 2002      **Annual Basic Surgical Trainees Day. Award winning presentation** The Northern General Hospital, Sheffield
- 1991      **The Henry Pearson Gates Exhibition Award** for overall achievement and contribution to the school.  
Bursary and award presented by The King's School, Peterborough
- 1988,86,84      **Year prizes for academia,** The King's School Peterborough.

## **APPOINTMENTS**

**February 2013**

### **CONSULTANT TRAUMA AND LOWER LIMB ARTHROPLASTY**

Sheffield Teaching Hospital NHS Trust

February 2012 to  
February 2013

### **LOWER LIMB ARTHROPLASTY FELLOW**

Nottingham University Hospitals  
Mr A Manktelow and Mr P James

## **SPECIALIST REGISTRAR TRAUMA AND ORTHOPAEDIC SURGERY**

August 2011 to  
February 2012

### **NORTH TRENT ORTHOPAEDIC SpR ROTATION**

Mr A Bruce  
Lower Limb Arthroplasty including Revision, Doncaster Royal  
Infirmary

February 2011 to  
August 2011

Mr Blundell and Mr Davies  
Foot and Ankle and Trauma Surgery  
The Northern General Hospital, Sheffield.

August 2010 to  
February 2011

Mr Ali and Mr Potter  
Shoulder and Trauma Surgery  
The Northern General Hospital, Sheffield

February 2010 to  
August 2010

Mr Jose Garcia  
Hand Surgery, Chesterfield Royal Hospital

August 2009 to  
February 2010

Miss Aspinall  
Lower Limb Arthroplasty including Revision, Chesterfield Royal  
Hospital

February 2009 to  
August 2009

Mr Gibson and Mr Blundell  
Trauma (including pelvis and acetabular)  
The Northern General Hospital, Sheffield

August 2008 to  
February 2009

Mr. M. Bell  
Orthopaedic Paediatric Surgery, Sheffield Children's Hospital

February 2008 to  
August 2008

Mr. J. Brown and Mr P. Sutton  
Soft Tissue Knee and Trauma Surgery The Northern General  
Hospital

August 2007 to February 2008	Mr N. Chiverton. Spinal Surgery and Trauma. The Northern General Hospital
February 2007 to August 2007	Mr P. Haslam Soft Tissue Knee Surgery, Doncaster Royal Infirmary
August 2006 to February 2007	Mr. P. Kumar Lower Limb Arthroplasty including Revision, Doncaster Royal Infirmary
August 2002 to August 2006	<b>ACADEMIC RESEARCH FELLOW</b>  Professor Eastell Academic Research Fellow Academic Unit of Bone Metabolism, University of Sheffield, The Northern General Hospital, Sheffield

#### **ORTHOPAEDIC SENIOR HOUSE OFFICER POSITIONS**

May 2002 to August 2002	<b>Mr M. Bell</b> Orthopaedic Paediatric Surgery, Sheffield Children's Hospital
February 2002 to May 2002	<b>Mr P. Sutton and Mr T. Smith</b> Soft Tissue Knee and Foot and Ankle Surgery, The Northern General Hospital.
November 2001 to February 2002	<b>Mr R. Gibson</b> Trauma Surgery, The Northern General Hospital.
August 2001 to November 2001	<b>Mr D. Stanley</b> Shoulder and Elbow Surgery, The Northern General Hospital

#### **SHEFFIELD BASIC SURGICAL TRAINING ROTATION 1998-2001**

The Northern General and Royal Hallamshire Hospitals, Sheffield

Plastic Surgery.	Mr. T. Brotherstone and Mr. C. Caddy.
General / Hepatobiliary Surgery.	Professors Read & Johnson and, Mr. Majeed
Neurosurgery.	Mr M Radatz
Orthopaedic Surgery.	Mr D. Douglas, Mr S. Bostock, Mr I.S. Stockley
Accident and Emergency.	Mr J. Wardrope
Anatomy Demonstrator.	Dr. Jacobs, The University of Sheffield.

#### **HOUSE OFFICER POSITIONS 1997-1998**

The Northern General Hospital. Sheffield

## **CLINICAL EXPERIENCE**

### **Orthopaedic Surgery.**

In February 2013 I was appointed as a consultant in primary and revision lower limb arthroplasty surgery at Sheffield Teaching Hospitals NHS Trust. I was also on the trauma rota at this busy Major Trauma Centre. Sheffield remains a tertiary referral centre for complex hip and knee cases including primary and revision arthroplasty. The scope of work includes a high percentage of the most complex revision cases (>40%) and a lot of the work undertaken is dealing with complex multi-operated revision infection cases.

I have held the post of Lower Limb Arthroplasty Clinical Lead and am currently the Elective Clinical Lead for Orthopaedics at Sheffield Teaching Hospitals NHS FT.

Prior to this I gained valuable experience in lower limb arthroplasty at Nottingham as a Fellow. My general SpR training was at STH NHS Trust in both the emergency situation and with a wide range of elective subspecialties including lower limb arthroplasty, hand surgery, paediatric orthopaedics, soft tissue knee surgery, pelvic and trauma surgery, spinal, shoulder, and foot and ankle surgery.

### **Aspects of Basic Surgical Training of Relevance to Orthopaedics**

#### **Plastic Surgery**

Useful experience included tendon and nerve repair, hand trauma, skin grafting and flap placement. As a senior SHO I had two minor operating lists. Skills gained from this placement have enabled me to assess multiple facets of trauma including adequate debridement, skin cover and postoperative care.

#### **General Surgery**

Emergency cover included both general surgical and urological duties including management of a busy 6 bed HDU; as such I am confident with management of the acute abdomen, and acute urological emergencies. An important aspect of this post included patient communication and breaking bad news.

#### **Neurosurgery**

Emergency cover included management of a 4 bed Neurosurgical ITU and 8 bed HDU; hence I am confident with sick and ventilated patients. Valuable experience included craniotomy, burr hole drainage and management of increased intracerebral pressure. Elective surgery included spinal surgery.

### **Accident and Emergency Medicine.**

I am acquainted with a broad spectrum of acute medical and surgical disease. I was also able to lead major resuscitation and acute trauma incidents.

## **Anatomy Demonstrator**

This post combined an increased knowledge of anatomy with a development of teaching and interpersonal skills. These were praised during the university's external national inspection. Senior staff ensured surgical and applied anatomy was a teaching priority.

## **RESEARCH ACTIVITY**

- |                              |   |
|------------------------------|---|
| April<br>2013 to<br>2018     | <b>Vice Chair of the Orthopaedic GOAL Global Comparators Group.</b> This is an international collaboration group involving clinicians and health care providers. It is held in conjunction with Dr. Foster and aims to identify worldwide trends and excellence in orthopaedic healthcare.  |
| August<br>2002-<br>present   | <b>Immunogenetic Influences on Inter-Individual Susceptibility to Aseptic Loosening after Total Hip Arthroplasty</b><br>Principle investigator; <b>Professor Richard Eastell.</b><br>We have identified differences in genetic profile and innate immune responsiveness between individuals that develop aseptic loosening following THA versus those that do not. We have also found that endotoxin contamination of THA wear particles may provide the stimulus to the immune system that precipitates aseptic loosening. |
| February<br>to April<br>1996 | <b>The International Clinic, Yonsei University Medical Centre, Seoul, Korea.</b> Supervisor; <b>Dr. J. Linton.</b><br>I was based in Family Medicine and observed many specialities at this 1500 bed hospital. I also worked with the British Embassy and visited KIMES week, a meeting between British and Korean emergency services. Accident and Emergency priorities into the 21st Century were discussed.  |
| 1995                         | <b>B.Med.Sci. Cancer Studies. A study of the involvement of nm23, a putative metastasis associated suppressor gene in human breast cancer.</b> Supervisors; <b>Dr. K. Sisley and Professor C.W. Potter.</b><br>This study was designed to enhance the understanding of the novel gene nm23, in human breast cancer. Investigative techniques used included Southern Blotting, immunohistochemistry staining and polymerase chain reaction amplification.  |
| Autumn<br>1989               | <b>Research Assistant;</b> Addenbrooke's Hospital Public Health Laboratory.<br><b>The Effects Of Test Conditions On Detecting Intrinsic Resistance In Coagulase Negative Bacteria.</b> J. Brown and A. Gordon.<br>This project involved preparation of cultures, growth and detection of antibiotic resistance in strains of Staphylococcus epidermidis isolated from ventriculoperitoneal shunts.  |

## RESEARCH GRANTS AND BURSARIES

These are grants which I have personally secured.

July 2016	<b>New Consultant Travel Fellowship</b> Amount of award £2000
July 2011	<b>Aesculap Travelling Fellowship Bursary</b> Amount of award: £2000
August 2005	<b>Cavendish Clinical Research Fellow</b> Amount of award; £47,000
August 2004	<b>The John Charnley Trust</b> Amount of award; £16,000 Principle Investigator; Professor Richard Eastell.
August 2002	Frances & Augustus Newman Foundation 3 year Research Fellowship in association with <b>The Royal College of Surgeons of England</b> Amount of award; £87,018 Principle Investigator; Professor Richard Eastell.
August 2002	<b>Arthritis Research Campaign</b> 3 year Clinical Research Fellowship Reference Number 14393 Amount of award; £54,000 Principle Investigator; Professor Richard Eastell.

## EDUCATION SUPERVISION

I am currently course convener for the consultant BASK National Revision Knee Education Meeting.

I have been on the faculty for the Chesterfield and Sheffield FRCS (Tr & Orth) Clinical Course, the Rotherham Viva Course and the Biomet Summer University.

I am currently Academic Supervisor for orthopaedic career grade and clinical and educational supervisor for junior doctors.

I have teaching responsibility throughout the medical staff at STH, examples of formal teaching sessions include my monthly teaching clinic for SpRs prior to the FRCS exams, Regular HST chair, faculty for the HST examinations including organising the 2014 lower limb mock examinations, medical student teaching lectures and practical examination sessions and annual Orthopaedic Nursing teaching.

I have previously supervised a B.Sci student who worked for me on a 50% basis. She was taught simple laboratory management skills, accurate data recording, and laboratory techniques including real-time PCR, DNA and RNA extraction and basic cell culture. I organised formal weekly teaching sessions.



From the summer of 2008 I have been a Science and Engineering Ambassador for Sheffield and South Yorkshire. This programme aims to bring real-life experience to young people in schools and colleges, to excite them about the role of science, technology, engineering or maths plays in our lives and inspires them to consider the vast range of rewarding careers opened up by science, technology and engineering qualifications.

I have supervised the bioinformatics component of a B.Med.Sci and an MD student at the Academic Unit of Bone Metabolism.

## **OBSERVERSHIPS**

- |               |   |
|---------------|---|
| April<br>2017 | <p><b>Drs Rothman and Parvizi</b><br/> <b>Rothman Institute and Thomas Jefferson University Hospital, Philadelphia, USA</b></p> <p>During this observership I was able review both surgery and potentially more importantly systems. I have used the experience gained from this visit to introduce new SOP in an attempt to reduce infection rates at STH and to develop a formal research programme in LLAU</p> |
| July 2012     | <p><b>Drs Chitranjan and Amar Ranawat and Dr Della Valle.</b><br/> <b>Hospital for Special Surgery, New York, USA</b></p> <p>During this observership I experienced the high throughput and complex case mix of these internationally renowned surgeons. I also was able to contrast the differing philosophies and approaches taken to revision hip and knee surgery between the USA and the UK.</p>             |

## **MANAGEMENT POSITIONS HELD**

- |                   |   |
|-------------------|---|
| 2025 -<br>present | Steering Committee – UK National Revision Knee Network, NHSE            |
| 2023-<br>present  | Elective Clinical Lead – Orthopaedics,                                  |
| 2022-<br>present  | Convener and course organiser – BASK Revision Knee Instructional Course |
| 2022 –<br>present | Revision Knee Network Lead. NEY, NHSE                                   |
| 2019 to<br>2024   | Clinical Lead - Lower Limb Arthroplasty Unit                            |
| 2017 to<br>2019   | Clinical Orthopaedic Lead for Infection Management                      |

2016 to present	Seamless Surgery Clinical Lead, Organisational Development
2015 to present	Clinical Programme Lead for Orthopaedics with the Sheffield Teaching Hospitals, This involves FLOW and organisational cross-speciality management skills to improve entire hospital / patient pathways
2014 to 2018	Theatre rota organiser for the Lower Limb Arthroplasty Team and ensure both service provision is maintained and that theatre teaching opportunities for all junior doctors is maximised
2013 to 2018	I was Vice Chair of the Orthopaedic Dr Foster Global Comparators GOAL, an organisation that promotes benchmarking and high quality in orthopaedics internationally
2011	<b>Convenor of Higher Surgical Training.</b> This current post is maintained for six months and involves recruiting and organising both internal and external speakers for weekly HST sessions.
2011	<b>Convenor of 2012 ‘Registrars’ Day’.</b> This post combines the organisational skills of ensuring all SpR’s present a research paper, the management skills required to ensure industry sponsoring and finally organisation of a themed social evening for all SpRs, Consultants and secretariat.
2011	Middle grade <b>Clinical Lead for ‘Hospital at Night’ implementation.</b> This role ensured progression of the implementation of Hospital at Night system which is now in place at the Northern General Hospital. My role was to ensure a smooth transition to this new pattern of working. I assisted in the development of safe and efficient ‘face to face’ and electronic hand over between day and night teams
2010-2011	<b>Junior Doctor Rota Organiser</b> (Northern General Hospital) This post not only entailed organising annual and study leave but ensuring that cover amongst junior grades for trauma was maintained.
2008-2010	<b>SpR representative for the Division Meetings</b> of the Orthopaedic Department at The Northern General Hospital.

## MANAGEMENT SKILLS

Aside from NHS duties I have previously liaised and worked with the Cavendish Research Team, Nurse, Northern General Hospital. I developed a database of over 650 subjects that allowed rapid entry and retrieval of all patient data and trained research sisters in its use. I have previously supervised the recording and storing of all patient records and image files. Whilst studying for my PhD I had sole management of finances which included £220,000 of awarded grants.

## **TEACHING EXPERIENCE**

### **Higher Surgical Training 2006-Present**

Sheffield Children's Hospital and the Northern General Hospital (rolling programme).

### **Other Higher Surgical Training -**

- |         |   |
|---------|---|
| 2013/15 | <b>Biomet Summer University</b><br>Faculty - Lower limb and pelvic trauma     |
| 2012-16 | <b>Chesterfield and Sheffield FRCS (Tr&amp;Orth) Clinical Exam</b><br>Faculty |
| 2013/14 | <b>Rotherham FRCS (Tr&amp;Orth) Viva Course</b><br>Faculty                    |

I also organise FY1/2 and CT Formal Training and Medical Student Teaching

I am a Clinical And Educational Supervisor at Sheffield Teaching Hospital NHS FT

I have taught on multiple cadaveric workshops and at instructional course lectures for hip and knee arthroplasty

## PUBLICATIONS

**Waste not, want not: orthopaedic waste data.** Shah S, Morris H, Thiagarajah S, **Gordon A**, Sharma S, Anderson A, Haslam P, Garcia J, Ali F. BJS Open. 2023 May 5;7(3)

**How to: assess patient suitability for unlicensed phage therapy in the United Kingdom.** Jones JD, Stacey HJ, Kennedy JW, Merabishvili M, Haines MEK, Blocker O, Dharmasena K, **Gordon A**, Hamilton SA, Aggarwal I, Nagy J, Urquhart DS, Hall LML, Young MJ, MacGregor G, Langley RJ, Peters C, Munteanu DI. Clin Microbiol Infect. 2024 Aug 5:S1198-743

**Financial analysis of revision hip surgery at a tertiary referral centre as classified using the British Hip Society Revision Hip Complexity Classification.** Hillier DI, Petrie MJ, Harrison TP, Salih S, **Gordon A**, Buckley SC, Kerry RM, Hamer A. Bone Jt Open. 2023 Aug 1;4(8):559-566.

**The Minimum 5-Year Follow up of a Highly Versatile Distally Anchored Femoral Revision System With Hydroxyapatite Coating.** Shelton J; ARCOS Study Collaborative; **Gordon A**. Arthroplast Today. 2024 Jan 26;26:101185.

**Financial analysis of revision knee surgery at a tertiary referral centre as classified according to the Revision Knee Complex Classification (RKCC)** Petrie M, Harrison T, Salih S, **Gordon A**, Hamer A, Buckley S, Kerry R. Knee 2021 29:469-477

**Effect of denosumab on osteolytic lesion activity after total hip arthroplasty: a single-centre, randomised, double-blind, placebo-controlled, proof of concept.** Mohit M Mahatma, Raveen L Jayasuriya, David Hughes, Nigel Hoggard, Simon C Buckley, **Andrew Gordon**, Andrew J Hamer, Mohammed W Tomouk, Robert M Kerry, Richard Eastell, Jeremy M Wilkinson. The Lancet – Rheumatology. 2021

**Stay Short or Go Long? Can a Standard Cemented Femoral Prosthesis Be Used at Second-Stage Total Hip Arthroplasty Revision for Infection Following an Extended Trochanteric Osteotomy?** Mike Petrie, Tim Harrison, Simon Buckley, **Andrew Gordon**, Robert Kerry, Andrew Hamer. The Journal of Arthroplasty 2017

**Variation in Prosthetic Joint Infection and treatment strategies during 4.5 years of follow-up after primary joint arthroplasty using administrative data of 41397 patients across Australian, European and United States hospitals** Perla J. Marang-van de Mheen, Ellie Bragan Turner, Susan Liew, Nora Mutalima, Ton Tran, Sten Rasmussen, Rob G. H. H. Nelissen, **Andrew Gordon**

BMC Musculoskelet Disord. 2017; 18: 207

**False Positive Synovial Fluid alpha-defensin test in a patient with gout affecting a prosthetic knee.**

PartridgeDG, **GordonA** Townsend R

Eur J Orthop Surg Traumatol, 2017 27(4):549-551

**Venous Thromboembolism After Orthopaedic Surgery – How Long Is The Patient At Risk?**

Nikhil Nanavati, Lee Hoggert, Matthew Hampton, **Andrew Gordon**

Journal of Ageing Research and Healthcare 2016:1(2);7-11

**The Rise of Big Data and Can it be Used to Compare International Healthcare in Orthopaedic Surgery**

**Andrew Gordon**

Journal of Trauma and Orthopaedics 2015:03(2);48-50

**Genetic variation in inflammatory and bone turnover pathways and risk of osteolytic responses to prosthetic materials**

Scott MacInnes, Elena Del Vescovo, Endre Kiss-Toth, William Ollier, Peter Kay, **Andrew Gordon**, Edward Greenfield, Mark Wilkinson

Journal of Orthopaedic Research 2015:33(2);193-8

**Identification of new susceptibility loci for osteoarthritis -the arcOGEN study**

Eleftheria Zeggini, Kalliope Panoutsopoulou, Lorraine Southam\*, Nigel W. Rayner, Aaron G. Day-Williams, Margarida C. Lopes, Vesna Boraska, Tonu Esko, Evangelos Evangelou, Albert Hofman, Jeanine J. Houwing-Duistermaat, Thorvaldur Ingvarsson, Ingileif Jonsdottir, Helgi Jonsson, Hanneke J.M. Kerkhof, Margreet Kloppenburg, Steffan D Bos, Massimo Mangino, Sarah Metrustry, P. Eline Slagboom, Gudmar Thorleifsson, Emma V.A. Raine, Madhushika Ratnayake, Michelle Ricketts, Claude Beazley, Hannah Blackburn, Suzannah Bumpstead, Katherine S. Elliott, Sarah E. Hunt, Simon C. Potter, So-Youn Shin, Vijay K. Yadav, Guangju Zhai, Kate Sherburn, Kate Dixon, Elizabeth Arden, Nadim Aslam, Phillippa-Kate Battley, Ian Carluke, Sally Doherty, **Andrew Gordon**, John Joseph, Richard Keen, Nicola C. Koller, Sheryl Mitchell, Fiona O'Neill, Ellen Paling, Mike R. Reed, Fernando Rivadeneira, Diane Swift, Kirsten Walker, Bridget Watkins, Maggie Wheeler, Fraser Birrell, John P.A. Ioannidis, Ingrid Meulenbelt, Andres Metspalu, Ashok Rai, Donald Salter, Kari Stefansson, Unnur Styrkarsdottir, André G. Uitterlinden, Joyce B.J. van Meurs, arcOGEN Consortium, Kay Chapman, Panos Deloukas, William E.R. Ollier, Gillian A. Wallis, Nigel Arden, Andrew Carr, Michael Doherty, Andrew McCaskie, J. Mark Wilkinson, Stuart H. Ralston, Ana M. Valdes, Tim D. Spector, John Loughlin

**The Lancet** – 2012; 380:815-23

**Insights into the genetic architecture of osteoarthritis from stage 1 of the arcOGEN study**

K Panoutsopoulou, L Southam, K S Elliott, N Wrayner, G Zhai, C Beazley, G Thorleifsson, N K Arden, A Carr, K Chapman, P Deloukas, M Doherty, A

McCaskie, W E R Ollier, S H Ralston, T D Spector, A M Valdes, G A Wallis, J M Wilkinson, E Arden, K Battley, H Blackburn, F J Blanco, S Bumpstead, L A Cupples, A G Day-Williams, K Dixon, S A Doherty, T Esko,,, E Evangelou, D Felson, J J Gomez-Reino,, A Gonzalez, **A Gordon**, R Gwilliam, B V Halldorsson,, V B Hauksson, A Hofman,, S E Hunt, J P A Ioannidis,,,, T Ingvarsson,, I Jonsdottir,, H Jonsson,, R Keen, H J M Kerkhof,, M G Kloppenburg, N Koller, N Lakenberg, N E Lane, A T Lee, A Metspalu,,, I Meulenbelt,, M C Nevitt, F O'Neill, N Parimi, S C Potter, I Rego-Perez, J A Riancho, K Sherburn, P E Slagboom,, K Stefansson,, U Styrkarsdottir, M Sumillera, D Swift,, U Thorsteinsdottir,, A Tsezou, A G Uitterlinden,, J B J van Meurs,, B Watkins, M Wheeler, S Mitchell, Y Zhu, J M Zmuda, arcOGEN Consortium, E Zeggini,, and J Loughlin

Ann Rheum Dis. 2011 May 1; 70(5): 864–867

**Recommendations for standardization and phenotype definitions in genetic studies of osteoarthritis: the TREAT-OA consortium.**

Kerkhof HJ, Meulenbelt I, Akune T, Arden NK, Aromaa A, Bierma-Zeinstra SM, Carr A, Cooper C, Dai J, Doherty M, Doherty SA, Felson D, Gonzalez A, **Gordon A**, Harilainen A, Hart DJ, Hauksson VB, Heliovaara M, Hofman A, Ikegawa S, Ingvarsson T, Jiang Q, Jonsson H, Jonsdottir I, Kawaguchi H, Kloppenburg M, Kujala UM, Lane NE, Leino-Arjas P, Lohmander LS, Luyten FP, Malizos KN, Nakajima M, Nevitt MC, Pols HA, Rivadeneira F, Shi D, Slagboom E, Spector TD, Stefansson K, Sudo A, Tamm A, Tamm AE, Tsezou A, Uchida A, Uitterlinden AG, Wilkinson JM, Yoshimura N, Valdes AM, van Meurs JB.

Osteoarthritis Cartilage. 2011 Mar;19(3):254-64.

**Insights into the genetic architecture of osteoarthritis from stage 1 of the arcOGEN study**

K Panoutsopoulou, Andrew Gordon as part of arcoGEN consortium, J. Loughlin

Annals of the Rheumatic Diseases 2010 70(5):864-7

**Individual susceptibility to periprosthetic osteolysis is associated with altered patterns of innate immune gene expression in response to pro-inflammatory stimuli**

**A. Gordon**, E. Greenfield, R. Eastell, E. Kiss-Toth, JM. Wilkinson  
Journal of Orthopaedic Research 2010;28:1127-35

**Polymorphisms in the interleukin-one receptor antagonist and interleukin-6 affect risk of osteolysis in patients with total hip arthroplasty.**

**A. Gordon**, E Kiss-Toth, I Stockley, R Eastell, JM Wilkinson.  
Arthritis and Rheumatism. 2008;58:3157-65

**Variation in the Secreted Frizzled-Related Protein-3 Gene and risk of osteolysis and heterotopic ossification after total hip arthroplasty**

**Gordon A**, Southam L, Loughlin L, Wilson AG, Stockley I, Hamer AJ, Eastell R, Wilkinson JM.

Journal of Orthopaedic Research 2007;23:1665-1670

**EBRA-Digital release 2003 versus 1998: A comparison of instrument repeatability for measuring implant migration and wear.**

Tiernan JP, **Gordon A**, Hamer AJ, Stockley I, Wilkinson JM.  
Hip International. 2005 15 226-229

**Experiences with the Plasmacup--early stability, wear, remodelling, and outcome.**

Wilkinson M, **Gordon A**, Stockley I.  
Int Orthop. 2003;27:S16-9

**Midterm outcome of the plasma cup hip prosthesis.**

**Gordon A**, Wilkinson M, Stockley I.  
**Award Paper;** Hip International 2002;2.:119-125

**Index finger lengthening by gradual distraction and bone grafting.**

**Gordon A**, Page R, Saleh M.  
Journal of Hand Surgery (British and European Volume, 1998 23B:785-787

**The increasing efficacy of breast cancer treatment.**

**Gordon A.**  
Clinical Oncology 1997; 9; 338-342

**The Land of Morning Calm.**

**Gordon A.**  
Student BMJ 1996; 4: 427-428  
A short resume of my experiences in Korea from my elective period.

## **BOOK CHAPTERS**

**A.Gordon**, H. Matar, M Wilkinson **2012.**"Hip and Knee Arthroplasty in the Patient with Inflammatory Arthritis" in Samo K Fokter, Arthroplasty. UK; InTech – Open Access Publisher. - ISBN 978-953-51-0995-2

S Macinnes, **A.Gordon**, M Wilkinson. **2012.** "Risk Factors for Aseptic Loosening Following Total Hip Arthroplasty" In Samo K Fokter, Recent Advances in Arthroplasty. UK; InTech – Open Access Publisher. ISBN 978-953-307-990-5

## **PUBLISHED ABSTRACTS (no longer updated)**

**Genetic Variation in Inflammasome and Bone Turnover Pathways and Risk of Heterotopic Ossification following Total Hip Arthroplasty**

Macinnes, S, Del Vescovo E, **Gordon A**, Wilkinson J  
Presented – Orthopaedic Research Society Annual Meeting, San Francisco 2012  
Published - Transactions of the ORS 2012

**Differences in immune responses between patients with previous aseptic loosening versus surviving THA**

***McKee Prize for Best Podium Presentation***

**Gordon A, Kiss-Toth E, Greenfield, Eastell R, Wilkinson JM**  
Presented – British Hip Society Annual Meeting, Norwich, UK. 2008  
Published – JBJS Br Supplement III 2009: 91B;403

**Differences in Cytokine mRNA Expression in Stimulated Mononuclear Cells from Subjects with Previous Osteolysis versus Non-Osteolysis Subjects after Total Hip Arthroplasty**

***New Investigator Research Award Finalist***

**Gordon A, Kiss-Toth E, Greenfield, Eastell R, Wilkinson JM.**  
Presented – Orthopaedic Research Society Annual Meeting, San Francisco 2008  
Published - Transactions of the ORS 2008;33:424

**Variation in the Interleukin-1 Receptor Antagonist Gene Protects Against Osteolysis After Total Hip Arthroplasty: A Clinical and Gene Expression Study**  
***Best Oral Presentation by Clinical Scientist***

**Gordon, A, Kiss-Toth, E, Greenfield, E, Eastell, R, Wilkinson, J**  
Presented - BRS/BORS 2<sup>nd</sup> meeting, Manchester 2008  
Published - Journal of Bone & Joint Surgery - British Volume. 92-B (SUPP I):55-56, 2010

**FRZB Gene Polymorphisms Affect Bone Phenotype after THA**

***New Investigator Research Award Finalist***

**Gordon A, Southam L, Loughlin L, Wilson AG, Stockley I, Hamer AJ, Eastell R, Wilkinson JM.**  
Presented – Orthopaedic Research Society Annual Meeting, San Diego, USA. 2007  
Published - Transactions of the ORS 2007;32:391

**Effect of RANK/RANKL/OPG Gene Haplotypes on Bone Phenotype After THA**

**Gordon A, Stockley I, Hamer AJ, Eastell R, Wilkinson JM.**  
Presented – Orthopaedic Research Society Annual Meeting, San Diego, USA. 2007  
Published - Transactions of the ORS 2007;32:1635

**Variation Within the Gene Encoding sFRP-3 Affects Bone Morphology Before and After Total Hip Arthroplasty**

**A Gordon, L Southam, J Loughlin, G White, AG Wilson, I Stockley, AJ Hamer, R Eastell, M Wilkinson.**  
Presented – British Hip Society Annual Meeting, Leeds, UK. 2007  
Published - Journal of Bone and Mineral Research 2007;Supplement

**Mathematical Modelling of the Impact of Low Polyethylene Wear Bearings on Aseptic Loosening after Total Hip Arthroplasty**

**A Gordon, AJ Hamer, I Stockley, JM Wilkinson**  
Presented – British Hip Society Annual Meeting, Leeds, UK. 2007  
Published - Journal of Bone and Mineral Research 2007;Supplement

**The Role of Endotoxin on Pro-Inflammatory Cytokine mRNA Expression in Titanium Stimulated Human Monocytes**

**Gordon A, Greenfield E, Kiss-Toth E, Eastell R, Wilkinson JM.**  
Presented – Orthopaedic Research Society Annual Meeting, Washington, USA 2006  
Published - Transactions of the ORS 2006;30:696



**Frizzled-Related Protein 3 Gene Polymorphism and Risk of Osteolysis after Total Hip Arthroplasty**

**Gordon A**, Southam L, Loughlin J, Stockley I, Macdonald D, Eastell R, Wilkinson JM

Presented - European Calcified Tissues Annual Meeting, Copenhagen, Denmark. 2007

Published - Calcified Tissues International 2007

**Effect of RANK/RANKL/OPG Haplotypes on Bone Phenotype after Total Hip Arthroplasty**

**Gordon A**, Stockley I, Hamer AJ, Eastell R, Wilkinson JM

Presented - European Calcified Tissues Annual Meeting, Copenhagen, Denmark. 2007

Published - Calcified Tissues International 2007

**Polymorphisms in the Interleukin-6 Gene Promoter and Osteolysis after Total Hip Arthroplasty.**

**Gordon A**, Stockley I, Hamer AJ, Eastell R, Wilkinson JM.

Presented- European Calcified Tissues Annual Meeting, Prague, Czech Republic. 2006

Published - Calcified Tissues International 2006;78:S76

**Cytokine mRNA Expression in Polyethylene Stimulated Macrophages using Real-Time PCR.**

**Gordon A**, Wilkinson JM, Kiss-Toth E, Eastell, R

Presented – Orthopaedic Research Society Annual Meeting, Chicago, USA. 2005

Published - Transactions of the ORS 2005;30:1101

**Pelvic Periprosthetic Bone Mineral Density Change in Patients with a Cemented Acetabular Cup.**

Shetty NR, Hamer AJ, **Gordon A**, Stockley I, Eastell R, Wilkinson JM.

Presented – Orthopaedic Research Society Annual Meeting, Chicago, USA. 2005

Published - Transactions Of the ORS 2005;30:1142

**TNF $\alpha$  and IL-1 $\beta$  Cytokine mRNA Expression in Polyethylene Stimulated Macrophages**

**Gordon A**, Kiss-Toth E, Stockley I, Hamer A, Eastell R, Wilkinson JM

Presented - British Hip Society Annual Meeting. Wrightington, UK. 2005

Published - Journal of Bone and Mineral Research 2006;1Supplement

**A comparison of instrument repeatability and systematic bias for implant migration and wear EBRA-Digital release 2003 versus 1998.**

JP Tiernan, **A Gordon**, AJ Hamer, I Stockley, JM Wilkinson.

Presented – European Hip Society Annual Meeting, Lake Maggiore, Italy 2004

Published - Hip International 2004;14 (2): 135

**Polymorphisms in the Interleukin-One Gene Cluster and the Risk of Aseptic Loosening after Total Hip Arthroplasty.**

**Gordon, A**, Wilkinson, JM, Wilson, AG, Stockley I, Macdonald DA, Eastell R.

Presented – American Society of Bone and Mineral Research. Minneapolis, USA. 2003

Published - Journal of Bone and Mineral Research 2003;18 Supplement 2: S326

**A Single Nucleotide Polymorphism at –238 in the TNF Gene Influences Promoter Response to Polyethylene Particles In-vitro.**

**Gordon A,** Kiss-Toth E, Wilson AG, Eastell R, Wilkinson JM.

Presented – 2<sup>nd</sup> International Bone and Genetics Workshop. Davos, Switzerland 2003

Published - Calcified Tissues International 2003;72:271

**Experiences with the Plasmacup- early stability, wear, remodelling and outcome.**

Wilkinson M, **Gordon A**, Stockley I.

International Orthopaedics 2003;27 Supplement 1:S16-19

**Polymorphism at +3954 in the IL-1B gene and risk of aseptic loosening after total hip arthroplasty.**

**Gordon, A;** Wilson, A.G; Stockley, I; Hamer, A J; Macdonald, D.A; Eastell, R; Wilkinson, JM.

Presented - British Hip Society Annual Meeting. Belfast, UK. 2003

Published J Bone and Joint Surgery (Br):2004;86-B supplement I, 70

**A single nucleotide polymorphism at -238 in the TNF gene influences promoter response to polyethylene particles in-vitro.**

**Gordon, A;** Kiss-Toth, E; Wilson, A.G; Stockley, I; Hamer, A J. Eastell, R; Wilkinson, JM.

Presented - British Hip Society Annual Meeting. Belfast, UK. 2003

Published J Bone and Joint Surgery (Br):2004;86-B supplement I, 71

**Midterm outcome of the plasma cup hip prosthesis**

**A Gordon,** AJ Hamer, I Stockley, JM Wilkinson

Presented -European Hip Society Domestic Meeting. Baveno, Italy 2002

Published Hip International 2003;13(1):142

## **INVITED PRESENTATIONS (note no longer updated)**

2021	<b>BOA – Waiting List Management Post Covid pandemic Aberdeen, UK</b>
2020	<b>BHS – Invited Instructional Course Lecturer</b>
2019	<b>Progress Meeting – Uncemented Total Hip. London</b>
June 2017	<b>EFORT</b> Invited speaker: eHealth in Orthopaedics, Heaven of Hell
September 2014	<b>Orthopaedics Surgery in Paget's Disease</b> <u>Invited Speaker:</u> The National Paget's Disease Association, Sheffield, UK
June 2014	<b>Developing International Benchmarking Standards in Orthopaedics</b> <b>Invited Speaker:</b> Meeting of the ABC American Travelling Fellows, Sheffield, UK
May 2013	<b>Genetic influencing in aseptic loosening after Total Hip Arthroplasty</b> <u>Invited speaker:</u> Meeting of the ABC American Travelling Fellows, Sheffield, UK
October 2008	<b>Host responses to orthopaedic implants.</b> <u>Invited speaker.</u> Meeting of Travelling American Hip Fellows, Sheffield, UK
September 2008	<b>Biology and Immunology of implant failure.</b> <u>Invited speaker.</u> <b>British Orthopaedic Association</b> Annual Congress, Liverpool, UK
April 2007	<b>Genetic Influences in Bone Morphology Before and After Total Hip Arthroplasty</b> <u>Invited speaker:</u> Meeting of the ABC American Travelling Fellows, Sheffield, UK
May 2005	<b>Aseptic Loosening; A bacterial driven phenomenon.</b> <u>Invited speaker:</u> Meeting of the ABC American Travelling Fellows, Sheffield, UK
January 2005	<b>Gene Polymorphisms and Risk of Osteolysis after Total Hip Replacement</b> <u>Invited speaker,</u> University of Sheffield Musculoskeletal Annual Research Day, Sheffield

- October 2004     **Prediction and Prevention of Hip Prosthesis Loosening.**  
Invited speaker. Interface between Orthopaedics and Bone Metabolism,  
 Sheffield, UK
- May 2003        **Experiences with the Plasmacup- Early Migration, Wear, and Clinical Outcome**  
Invited speaker. National Congress of the Czech Society for Orthopaedics and Traumatology, Brno, Czech Republic

### **ADDITIONAL POSTER PRESENTATIONS (no longer updated)**

- July 2011        **Management of Fragility Fractures**  
**Retrospective study at a District General Hospital**  
 R Stevens, D G Roberts, A Gordon, Mr J Wright  
 Future Orthopaedic Surgeons Conference, Edinburgh, UK
- March 2009     **Effect of Genetic Polymorphism on the Severity of Osteolytic Bone Defects in Aseptic Loosening**  
***Best Poster Prize***  
 British Hip Society Annual Meeting Manchester, UK
- March 2007     **Pattern of Osteoarthritis and Risk of Osteolysis after Total Hip Arthroplasty**  
 British Hip Society Annual Meeting. Leeds, UK
- March 2006     **Polymorphism in the Interleukin-6 Gene Promoter and Risk of Aseptic Loosening**  
 British Hip Society Annual Meeting. Edinburgh, UK
- March 2005     **Pro-Inflammatory Cytokine mRNA Expression In Macrophages Stimulated With Clean And Endotoxin Contaminated Titanium Particles.**  
 British Hip Society Annual Meeting. Wrightington, UK
- March 2005     **Frizzled-Related Protein 3 Gene Polymorphism And Risk Of Osteolysis After Total Hip Arthroplasty.**  
 British Hip Society Annual Meeting. Wrightington, UK
- February 2002     **Polymorphism at +3954 in the IL-1 $\beta$  Gene and Risk of Aseptic Loosening after Total Hip Arthroplasty.**  
 2<sup>nd</sup> Workshop of Genetic and Bone Metabolism. Davos, Switzerland
- March 2001     **Midterm survivorship and clinical outcome of plasma cup hip prosthesis.**  
 British Hip Society Annual Meeting. Cambridge.

## AUDIT

May 2015	<b>Theatre Efficiency Audit</b> N Nanavati, R Jayapathlan, A Gordon Department Orthopaedics, STH NHS FT
February 2012	<b>The Management of Osteoporosis in Patients with Fragility Fractures - Closing the Loop, re-audit following implementation of guidelines from 2010</b> A Gordon, D Jones, J Wright Department of Orthopaedics, Chesterfield Royal Hospital
May 2010	<b>The Management of Osteoporosis in Patients with Fragility Fractures</b> A Gordon, D Jones, J Wright Department of Orthopaedics, Chesterfield Royal Hospital
January 2010	<b>Management of Back Pain and Cauda Equina in a DGH</b> A Gordon, C Platts, J Wright Department of Orthopaedics, Chesterfield Royal Hospital
November 2008	<b>The Effect of DNA's on the 18 week wait.</b> A Gordon, A Cole Department of Orthopaedics, Sheffield Children's Hospital
October 2008	<b>Medical record keeping standards.</b> A Gordon, PM Sutton Department of Orthopaedics. The Northern General Hospital, Sheffield.
May 2002	<b>What we do: an audit and review of SHO working practises.</b> A Gordon, S Dalal, A Howard. Department of Orthopaedics. The Northern General Hospital, Sheffield.
August 1999	<b>The correct use of abdominal x-rays in acute abdominal pain.</b> A Gordon, R Lindley Department of Accident and Emergency. The Northern General Hospital, Sheffield.
March 1994	<b>Adequate thromboembolic disease prevention in medical in-patients.</b> A Gordon Medical Education Centre. Rotherham District General Hospital

## **MEMBERSHIP OF SOCIETIES**

British Orthopaedic Association – Membership Number 17574

British Hip Society

British Association for Surgery of the Knee

## **EDUCATIONAL COURSES ATTENDED**

### **(No longer updated)**

September 2014	<b>Extreme Orthopaedics, Cadaveric Course</b> Bristol
April 2014	<b>Mediolegal Reporting</b> Specialist Info in alliance with Judith Kelbie LLP and Clerksroom
March 2014	<b>Current Challenges in Knee Arthroplasty</b> Leicester
January 2013	<b>Damage Control Orthopaedic Surgery</b> <b>RCSEng</b>
May 2012	<b>Advanced Trauma and Life Support.</b> Great Yarmouth <b>Instructor course applied for</b>
February 2012	<b>Medical Ethics</b> Yorkshire and Humber Postgraduate Deanery
February 2012	<b>Clinical Governance Course</b> Yorkshire and Humber Postgraduate Deanery
November 2011	<b>The Difficult Primary Hip</b> Sheffield
November 2011	<b>Nottingham Fracture Forum</b> Nottingham
October 2011	<b>Masterclass Series. Revision Hip</b> Nottingham.
October 2010	<b>Training the Trainers Course</b> Yorkshire and Humber Postgraduate Deanery
September 2010	<b>Chesterfield and Sheffield FRCS(Tr&amp;Orth) Clinical Course (Student)</b> Chesterfield Royal Hospital
July 2010	<b>Basic and Advanced Courses in Elastic Stable Intramedullary Nailing in Children</b> Sheffield Children's' Hospital
February 2010	<b>Research Methodologies Course</b> Yorkshire and Humber Postgraduate Deanery

September 2009	<b>Chesterfield and Sheffield FRCS(Tr&amp;Orth) Clinical Course (Faculty)</b> Chesterfield Royal Hospital
October 2008	<b>Basic Sciences for FRCS Orth.</b> Queens Medical Centre, Nottingham
December 2007	<b>Tibial Fractures - Nail, Plate, Ilizarov: the unsolved problem.</b> Raven Education, RCSEng. Hull
May 2007	<b>Practical Hip and Knee Meeting</b> Depuy - Leeds
April 2006	<b>Genetic Aspects of Bone Diseases: Methods and Applications</b> European Calcified Tissues Society Prague, Czech republic
May 2002	<b>Essentials in Fracture Management.</b> Glasgow University, Glasgow
November 2000	<b>Research Skills Teaching Course.</b> Papworth Hospital, Papworth.
March 2000	<b>Care of the Critically Ill Surgical Patient</b> The Northern General Hospital
November 1999	<b>Forefoot Osteotomy Course.</b> The Northern General Hospital, Sheffield
October 1999	<b>Basic Surgical Skills Course</b> Chesterfield Royal Infirmary.
July 1999	<b>Advanced Trauma and Life Support.</b> The Northern General Hospital, Sheffield.

## **NON ACADEMIC ACHIEVEMENTS**

I have played the church organ and have attained Grade 8 with The London College of Music.

I enjoy hockey and cricket and gained colours for captaining the seconds and playing in the first eleven men's hockey team and have played for both the Northern General Hospital and Sheffield Children's Hospital Cricket teams

I have captained Sheffield University's Tae Kwon Do Team. I have represented both the University and Sheffield city in the Student and Open National Finals in this martial art.



## **INTERESTS AND ACTIVITIES**

As well as playing the organ I also play the piano, bass guitar and am a keen percussionist

I am a keen woodworker and enjoy both carpentry skills and wood turning. I am a member of Sheffield Woodturning Association. This is the most mindfulness activity I do and I thoroughly love it.

## **STATEMENT OF INTENT**

I am also committed to maintaining the necessary knowledge and clinical skill required providing a high level service in primary and revision hip and knee arthroplasty. I also have a special interest in primary and revision lower limb arthroplasty in both elective and trauma situations. I have developed my skills and education to continue as a consultant in this subspecialty.

I have a special interest in trauma with an emphasis for periprosthetic fracture and lower limb arthroplasty surgery and have developed my skills and education as a consultant in these subspecialties. Whilst I no longer perform general orthopaedic trauma, I have a regular Lower Limb Arthroplasty Trauma list where acute infection and peri-prosthetic fracture cases are treated.

My PhD studies were based in an Academic Unit of Bone Metabolism which has also given me great insight into the pathophysiology and treatment of loosening of implants after total hip replacements. I maintain close contact with the department.

As part of my research I have been fortunate to have had an in depth understanding of the benefits and complications of total hip arthroplasty and have had time to gain insight from a patients' perspective as to how arthroplasty can benefit the lives of many. I have also presented at and attended many national and international arthroplasty meetings where I have further expanded my understanding of both the current and future aspects of arthroplasty surgery.

## **REFEREES**

1. The Deputy Medical Director and  
Orthopaedic Consultant  
Sheffield Teaching Hospitals  
NHS FT,  
Herries Road,  
Sheffield.
  
2. The Clinical Director MSK  
Sheffield Teaching Hospitals  
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