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**28th November 2023**

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08:30 Registration

## Session 1 – Moderators: Andrew Price and Hywel Davies

09:00 Introduction and Welcome | Jonathan Eldridge

09:05 Training/education: The role of virtual reality | Anaiya Kaka

09:25 The role of robots | Sam Oussedik

09:40 System tips and tricks

- PPK – Andrew Porteous
- ZUK – Guido Geutjens
- FLO – James Murray
- Sigma – Robert Harvey

10:00 Discussion

10:30 COFFEE BREAK

## Session 2 – Moderators: Andy Price & James Murray

11:00 Starting out: As a new Consultant | Simon Barton

11:15 Starting out: As an established Consultant | Anders Troelsen

11:30 Bi-UKA | Mark Blyth

11:45 The benefits of cementless fixation | Nick Bottomley

12:00 Discussion

12:30 LUNCH BREAK

## Session 3 – Moderators: Nick Howells & Andrew Porteous

13:20 UKR alignment: Limb or prosthesis? | Andy Price

13:35 Robots – Help!

- ROSA – Andy Price
- CORI – Tim Waters
- MAKO – Sam Oussedik

14:15 Discussion

14:35 Evidence for and early experience with Arthrosamid | Sean Curry

14:50 Discussion

15:00 COFFEE BREAK

## Session 4 – Moderators: Nicola Blucher & Sven Putnis

15:30 Osteotomy: Does the joint line matter? | Matt Dawson

15:40 The Newclip Experience | Nick Howells

15:55 Osteotomy with patellofemoral replacement? | Jonathan Eldridge

16:00 Discussion

16:15 Spin the wheel Q&A

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First Name	Last Name	Job Title	Hospital / Company
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Nawar	Abdulsattar	Consultant	Emersons Green
Muhammad Adeel	Akhtar	Consultant	NHS Fife
Mustafa	Al-Yaseen	SPR/Trainee	West Hertfordshire Teaching NHS Trust
Alex	Anderson	Consultant	Rotherham Hospital / Sheffield Orthopaedics
Tin	Aung	Associate Specialist	Cheltenham General Hospital
Richard	Baker	Consultant	AOC Bristol
Simon	Barton	Consultant	Wrightington Hospital
Nicola	Blucher	Consultant	North Bristol NHS Trust
Mark	Blyth	Consultant	Glasgow Royal Infirmary
Nicholas	Bottomley	Consultant	Nuffield Orthopaedic Centre Oxford
Rachel	Bray	Other: Research Nurse	Southmead Hospital
Daniel	Burchette	SPR/Trainee	RNOH, Stanmore
Natalie	Burge	Physiotherapist	Nuffield Hospital Bristol
Mark	Chatterton	Consultant	Princess Royal University Hospital
Kevin	Conn	Consultant	Hampshire Hospitals
Sean	Curry	Consultant	The London Orthopaedic Clinic
Hywel	Davies	Consultant	Bristol Royal Infirmary
Matt	Dawson	Consultant	North Cumbria Integrated Care
Manish	Divekar	Consultant	Royal Cornwall Hospital
Anurag	Dixit	Fellow	Royal Wolverhampton NHS trust
Huan	Dong	SPR/Trainee	Derby Royal Hospital
Jonathan	Eldridge	Consultant	Avon Orthopaedic Clinic
Mohammed	Elmajeed	SPR/Trainee	Royal Orthopaedic Hospital
Rafael	Ferrer Gonzalez-Adrio	Consultant	Shepton Mallet
Hugh	Fox	Consultant	Winchester Hospital
Bill	Gaine	Consultant	Sligo University Hospital
Guido	Geutjens	Consultant	Derby University Hospitals
Andrew	Grant	Consultant	ABUHB
Nishu	Gupta	SPR / Trainee	Yeovil District Hospital
Robert	Harvey	Consultant	Wirral University Teaching Hospitals
Mo	Hassaballa	SAS Grade	Southmead Hospital
Michiel	Hendrix	Consultant	Forth Valley Royal Hospital
Lesitha	Hewage	SPR / Trainee	Hinchingbrooke Hospital
Nick	Howells	Consultant	Bristol NHS Trust
Will	Jackson	Consultant	Nuffield Orthopaedic Centre, Oxford
Shiv	Jain	Consultant	University Hospitals Birmingham
Andrew	Jones	Fellow	Cardiff and Vale University Health Board
Stevan	Jordan	SPR/Trainee	Wexham Park Hospital
Kartikeya	Joshi	Consultant	Bone and Joint Speciality Centre
Anaiya	Kaka	Other: Medical Student	Royal Free Hospital (UCL)
Richard	Kapur	Consultant	Somerset NHS Foundation Trust
Mark	Kemp	Consultant	Royal Gwent Hospital
Nischay	Kenjige Keshava	SPR/Trainee	Wrightington Hospital
Emma	Kislingbury	Physiotherapist	North Bristol NHS Trust
Vishal	Kumar	Consultant	Manchester Royal Infirmary

First Name	Last Name	Job Title	Hospital / Company
Andrew	Legg	Consultant	Rotherham Hospital
Breck	Lord	Consultant	University Hospital Lewisham
Miklos	Lovasz	Consultant	Robert Bosch Hospital
Gyorgy	Lovasz	Consultant	Barlborough Hospital
Peter	Luscombe	Physiotherapist	North Bristol NHS Trust
Jonathan	Manara	Consultant	Royal Gwent Hospital
Hans	Marynissen	Consultant	East Lancs Hospitals
Scott	Matthews	Fellow	Southmead Hospital
Simon	Middleton	Consultant	Royal Devon and Exeter
Rory	Morrison	Fellow	EKRU
Ejaz	Mughal	Consultant	Royal Wolverhampton NHS Trust
James	Murray	Consultant	AOC Bristol / Knee Specialists
Michael	O'Brien	Fellow	Bristol Royal Infirmary
Sam	Oussedik	Consultant	UCLH
Timothy	Owen	Consultant	The Royal Glamorgan Hospital
Tom	Parsons	SPR / Trainee	Southmead Hospital
Jayne	Patterson	Physiotherapist	North Bristol NHS Trust
Marco	Pes	SPR / Trainee	Royal London Hospital
Andrew	Porteous	Consultant	North Bristol NHS Trust
Andrew	Price	Consultant	University of Oxford Nuffield Orthopaedic Centre
Sven	Putnis	Consultant	University Hospitals Bristol
Paul	Rai	Fellow	Royal Orthopaedic Hospital
Vijesh	Rao	SAS Doctor	Queens Hospital Burton on Trent
Gautam	Reddy	Consultant	William Harvey Hospital
Vaisakh	Reghuram	SPR/Trainee	Imperial College
Ulfen	Rethnam	Consultant	Royal Gwent
James	Robinson	Consultant	Avon Orthopaedic Centre
Stuart	Roy	Consultant	Royal Glamorgan Hospital
Adam	Rozycki	Consultant	Shepton Mallet PPG Hospital
Shane	Russell	SPR / Trainee	Cork University Hospital
Alasdair	Santini	Consultant	Liverpool University Hospitals NHS FT
Alexander	Shearman	Consultant	Nuffield Orthopaedic Centre Oxford
Ajit	Shetty	Consultant	Mid Yorkshire Hospitals NHS Trust
James	Smith	Consultant	Bristol Royal Infirmary
Aly	Tawfik	Other: SAS	Doncaster and Bassetlaw Teaching Hospitals
Edward	Tayton	Consultant	Royal Berkshire Hospital
Glyn	Thomas	Consultant	Arrowe Park Hospital
William	Tice	Consultant	Southampton
Paul	Triakha	Consultant	Ashford & St. Peters'
Anders	Troelsen	Consultant	Copenhagen University
Tim	Waters	Consultant	West Hertfordshire Hospitals NHS Trust
Rob	Yate	Consultant	Hywel Dda
Lucy	Young	Physiotherapist	North Bristol NHS Trust
James	Young	Consultant	Maidstone & Tunbridge Wells Hospitals
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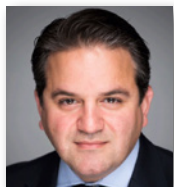
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**Reference:** 1. Bliddal, H., *et al.* (2021). Polyacrylamide Hydrogel Injection for Knee Osteoarthritis: A 6 Months Prospective Study. *J Orthop Res Ther.* 6(2). 1188. ISSN 2575-8241; 2. Bliddal, H., *et al.* (2023). Polyacrylamide Hydrogel Injection for Knee Osteoarthritis: Results of a 3 year Prospective Study. *Osteoarthritis and Cartilage.* Poster presented at OARSI 2023.





## ABTIN ALVAND

Abtin is a Consultant Orthopaedic Knee Surgeon at the Nuffield Orthopaedic Centre (NOC) and Honorary Senior Clinical Lecturer in Orthopaedic Surgery at the University of Oxford (NDORMS). He graduated from University of London (Guy's, King's and St Thomas' School of Medicine). After completing basic surgical training on the prestigious Hammersmith surgical rotation, he began higher surgical training in Trauma and Orthopaedics on the Oxford programme in 2008. He took three years out of programme to undertake a PhD (DPhil) as the NIHR Biomedical Research Unit Fellow at the University of Oxford. His DPhil was titled "Improving Surgical Learning and Performance at Unicompartmental Knee Arthroplasty".

Abtin was appointed as NIHR Academic Clinical Lecturer at the University of Oxford in 2015, and Honorary Senior Clinical Lecturer in 2017. He undertook two post-CCT sub-specialist clinical fellowships focusing on complex hip and knee surgery in Oxford (NOC) and Stanmore (Royal National Orthopaedic Hospital). He was then appointed in Oxford as a Consultant Orthopaedic Knee Surgeon. Clinically, he has a specialist interest in unicompartmental knee arthroplasty, revision knee arthroplasty, and peri-prosthetic joint infection..



## SIMON BARTON

Simon Barton is a Consultant Trauma and Orthopaedic surgeon specialising in the treatment of disorders of the knee. His practice includes the management of sports injuries, anterior knee pain, patella instability and arthritis.

He graduated from the University of Edinburgh in 2005 and completed his early surgical training in the South East of Scotland, Western Australia and Yorkshire.

His higher orthopaedic training was on the North West Rotation, and he became a Fellow of the Royal College of Surgeons of Edinburgh in 2015.

Simon's sub-speciality expertise in knee surgery was gained through two UK based knee fellowships, at the Wrightington Sports Knee Unit and The Avon Orthopaedic Centre, Bristol.

Simon's time in Bristol was focused on developing the expertise to manage complex disorders of the patellofemoral joint (instability and anterior knee pain). He is one of a handful of fellowship trained surgeons in the North of England able to offer the Bereiter trochleoplasty technique for the management of severe dysplasia. This condition, which results in recurrent dislocations of the patella, can only be effectively managed by deepening the groove at the end of the femur (trochlea). He offers a tertiary referral service for this and associated disorders of the patellofemoral joint at the Sports Knee Clinic, Wrightington.

Simon delivers a modern, patient specific approach to soft tissue injuries of the knee and is passionate about joint preserving solutions for arthritis. He performs a full spectrum of knee surgery from biological joint reconstruction, osteotomy and partial knee arthroplasty.

Simon has had a lifelong interest in sports and exercise, having played representative rugby into his 20s. In 2019 he was awarded a Masters in Sports and Exercise Medicine from Bath University for his research into the surgical management of patellar instability.



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1. Data on file at Zimmer Biomet. Based on Market Analysis and Registry Data, gathered September 2017.  
2. Price AJ, Svard U. Clin Orthop Relat Res. 2011 Jan;469(1):174-9.  
3. Pandit *et al*. Bone Joint J 2015;97-B:1493-1500.



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## NICK BOTTOMLEY

Mr Nicholas Bottomley is a specialist orthopaedic knee surgeon and his practice encompasses all aspects of paediatric and adult knee surgery. He has a particular interest in:

The management of sports injuries; including ACL reconstructions, multi-ligament reconstruction and meniscal repair surgery. Knee pain and arthritis; with a particular expertise in the management of early arthritis. Knee replacement surgery; specialising in both partial and total knee replacements. Patellofemoral (kneecap) instability

Nicholas works at the world renowned Nuffield Orthopaedic Centre in Oxford, part of the Oxford University Hospitals NHS Foundation Trust and at the Manor Hospital, Oxford. He graduated from Imperial College Medical School in 2001. He has a first class honours degree in Orthopaedics from University College London and a DPhil (PhD) from the University of Oxford for his research work investigating the progression of early knee arthritis.

Nicholas furthered his specialist knowledge of sports injuries in Brisbane, Australia working with a surgical team looking after professional rugby union and rugby league teams.

Nicholas remains active in surgical research and is involved in the running of several national studies. He teaches and lectures internationally, especially in the field of partial knee replacement.



## HYWEL DAVIES

Hywel Davies is a consultant orthopaedic surgeon at the Bristol Royal Infirmary, Avon Orthopaedic Centre, Southmead and Bristol Royal Hospital for Children. He undertook his primary medical degree at Imperial College London, gaining a further degree in sports physiology. During his Registrar training in Bristol he undertook a Master's degree in sports medicine. He undertook fellowships (advanced training) in knee surgery, arthroplasty and sports surgery at Adidas

Sports Medicine Centre in Auckland, New Zealand and Perth Orthopaedics and Sports Medicine in Perth, Australia.

Since Becoming a consultant in 2009 Mr Davies has continued to develop his expertise in Adult and Paediatric knee surgery. His Clinical practice Covers Soft tissue Reconstruction including Ligament and meniscal repair, Partial and full knee replacement, Osteotomy and Cartilage repair procedures. He is a strong advocate of partial replacements and performs these over total knee replacement whenever possible.



## MATT DAWSON

Matt Dawson is a Knee Surgeon who specialises in sports injuries and degenerative conditions affecting the knee. He is a leading authority on osteotomy and Joint Preservation surgery in the UK and Europe.

Having completed his Orthopaedic training in London and a Sports Knee Fellowship in Dublin, Mr Dawson joined North Cumbria University Hospital in 2001.

Mr Dawson performs a wide range of knee procedures including arthroscopy, femoral and tibial osteotomy, total and partial knee replacement, articular cartilage surgery, single and multiple ligament reconstruction, patella realignment and stabilisation and a range of combined complex procedures for



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deformity and instability. Mr Dawson has developed one of the largest UK practices in osteotomy with over 400 cases to date.

Mr Dawson believes in the principle of joint preservation in order to prolong knee activity and knee function to the highest level. His philosophy is to individually assess patients with the appreciation that alignment and stability of the knee are the bedrock to successful knee function and successful surgery.

Mr Dawson is committed to the education of healthcare professionals. He hosts a successful fellowship in Osteotomy and Knee surgery at North Cumbria University Hospital and lectures locally, nationally, and internationally. He has published in peer-reviewed journals on the subject of osteotomy. He is one of two UK members on the ESSKA osteotomy committee.

In June 2015 Mr Dawson launched the annual Northern Osteotomy Masterclass. This acclaimed course attracts experts from around the globe and provides high-quality training for consultants and the surgeons of tomorrow. He is a co-convenor of the Basingstoke Osteotomy Masterclass and founder member and committee member of UKKOR, the world's first national osteotomy registry.

Mr Dawson is working at the leading edge of knee osteotomy surgery with device technologies, surgical applications, and teaching techniques. He is a driver in several research projects in the field. Currently Mr Dawson is collaborating with a leading American company and European colleagues with a groundbreaking technology aimed at increasing accuracy of osteotomy surgery. This innovative technology permits correction of alignment to occur under precise post-operative control using a magnetic remote control device. Mr Dawson is the first UK surgeon to perform this surgery.

Mr Dawson undertakes his NHS practice at the North Cumbria University Hospital and consults privately in Carlisle, at The Cumbrian Clinic, Whitehaven and at BMI Hospital in Lancaster.



## JONATHAN ELDRIDGE

Jonathan Eldridge joined University Hospitals Bristol and the Avon Orthopaedic Centre as a Consultant Orthopaedic Surgeon in February 2002.

During the course of his Orthopaedic training as a University lecturer and specialist registrar in Bristol he gained extensive experience in general orthopaedic surgery, teaching and research. He developed an interest in lower limb surgery, and following a clinical sports knee fellowship with Dr David Wood

at the North Sydney Orthopaedic and Sports Medicine Centre in the Olympic year and a European Travelling Fellowship have continued to develop expertise in specialist surgery of the knee. He has become an internationally renowned knee surgeon through many publications and is regularly invited to teach and lecture both nationally and internationally.

His clinical practice encompasses the entirety of knee surgery with particular expertise in patellofemoral instability, ligament reconstruction, compartmental replacement and joint preservation. The majority of his NHS practice is now tertiary referral.

His research interests include the investigation, diagnosis and management of patellofemoral instability and arthritis, the aetiology of anteromedial osteoarthritis of the knee, biological reconstructive solutions, robotics and kinematic alignment in compartmental and total knee replacement. He has pioneered and developed the indications for and practice of trochleoplasty and medial patellofemoral ligament reconstruction in the treatment of patellofemoral instability. He has supervised trainees through doctoral theses into the aetiology of anteromedial osteoarthritis of the knee and the kinematics of the stable and unstable patellofemoral joint.

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He has collaborated with world renowned scientists at the University of Bristol to develop novel stem cell therapies to treat meniscal tears, assisted in the development and application of robotic surgery to compartmental replacement and has worked on the design teams for replacement prostheses and instruments.

He is co-convenor of the annual Bristol and Oxford unicompartmental knee arthritis symposium and has convened unicompartmental Masters meetings. He has organised multiple international cadaveric early intervention courses and the Bristol cadaveric knee ligament course.

He is a founder member and first president of the British Patellofemoral Society, dedicated to education in best practice and support for new surgeons in the field. He is also a member of the BMA, BOA, BASK, EKS and ESSKA



## NICK HOWELLS

Mr Nick Howells is a consultant orthopaedic surgeon in Bristol, specialising exclusively in knee surgery.

He practices at Spire Hospital Bristol, Nuffield Chesterfield Hospital Bristol and the Avon Orthopaedic Centre.

He was appointed to his NHS consultant post at the Avon Orthopaedic Centre, Southmead Hospital as part of North Bristol NHS Trust in July 2014. This is one of the largest teaching hospital units in the UK and is a specialist referral centre for complex orthopaedic conditions.

Nick has an elective practice which focuses exclusively on knee surgery. He is experienced in cartilage, meniscal and ligament injury repair and reconstruction, osteotomy, realignment and stabilization surgery and the management of early and advanced osteoarthritis including partial and total knee replacement and revision knee replacement.

Nick grew up and was educated in Shropshire before studying Medicine at Imperial College, London. He undertook basic surgical training in Oxford and at the Royal National Orthopaedic Hospital in London. During this time he was a Lecturer in Anatomy at Oxford University and Research Fellow at the Nuffield Orthopaedic Centre. He was awarded a Masters Degree in Surgical Technology by Imperial College for research work focusing on the use of simulators to train orthopaedic surgeons.

Nick's specialist orthopaedic training was on the Bristol rotation and was completed with 2 years of advanced fellowship training in knee surgery and trauma surgery in Australia. Initially at the internationally renowned Australian Institute of Musculoskeletal Surgery under Leo Pinczewski in Sydney gaining experience in all aspects of knee surgery, including the management of knee injuries in elite athletes. Then at the Royal Melbourne Hospital, one of the busiest major trauma centres in Australia, gaining experience in orthopaedic trauma surgery and knee surgery.

During specialist training Nick took extra time out to focus on medical research relevant to knee surgery and was awarded a Medical Research Doctorate in Orthopaedic Surgery by the University of Bristol in 2014 for his thesis focusing on reasons for ongoing pain after knee replacement.

Nick continues to hold the post of Honorary Lecturer with the University of Bristol and is currently involved in clinical research trials which have attracted several million pounds of National Institute for Health Research Funding. Current areas of work focus on improving outcomes for patients with persistent pain after knee replacement, a role for stem cells in the healing of meniscal injuries of the knee and the safety of novel meniscal implants following meniscectomy.

He has published a large number of research papers and presented his findings regularly at international

conferences. Topics have included: Knee ligament injury and reconstruction, Arthroscopy, Knee Replacement, Partial Knee Replacement, Knee Osteotomy, Patellofemoral Instability, Meniscal Injuries.

Nick's has a keen interest in teaching and training and he was awarded the Fellowship of the Higher Education Academy in 2014 in recognition of his training in medical education. He lectures on a number of national courses, regularly teaches medical students, juniors doctors and trainee surgeons and he is lead for junior doctor training in Orthopaedics at North Bristol NHS Trust.



## WILL JACKSON

William works as a dedicated specialist knee surgeon treating all paediatric and adult knee conditions. He has a particular interests in sports knee injuries and arthroscopic ligament reconstructions, management of arthritis in younger more active patients including use of partial knee replacements.

William works as a Consultant Orthopaedic Surgeon at the Nuffield Orthopaedic Centre. He qualified in 1997 from St Mary's Hospital Medical School, London. He completed his specialist Orthopaedic training in Oxford. In 2007 he undertook 12 months of specialist fellowship training in knee surgery at the internationally renowned North Sydney Orthopaedic and Sports Medicine Centre under the tutelage of Dr Leo Pinczewski, one of the pioneers of modern techniques in ACL reconstruction. He returned to the UK for a further 6/12 fellowship in Oxford prior to his consultant appointment at the N.O.C.

He is extensively involved in the knee research Programme in Oxford and works closely with University Academics on many on going research projects. He is involved in research across the whole pathway from optimising pathway for delivery of care through to design of new implants. William has introduced outpatient Knee replacement surgery for suitable patients in Oxford. This has involved optimising all areas of care to make sure patients pain is well controlled and minimising effects from the surgery and anaesthesia. In 2017 2/3 of his knee replacement patients will be able to go home either on the day or day after their operation.

William is involved in teaching surgeons around the world about ligament reconstructions, "Oxford" partial and total knee replacements. He is regularly invited to lecture at courses and conferences within the UK and overseas.

He is a member of the British Orthopaedic Association, the American Association of Orthopaedic Surgeons and the British Association of Knee Surgeons (BASK).



## ANAIYA KAKA

Originally from Mumbai, India, she is currently a medical student at UCL (University College London). Having graduated with a Bachelor of Science (Hons) in Surgical Sciences from UCL, she has been heavily involved in conducting research on using augmented reality in orthopaedic training. She has run two trials on using augmented reality to train medical students and registrars in total knee replacement, the results of which have been presented at multiple

conferences, including the British Orthopaedic Association and the British Association of Surgery of the Knee conferences. For these trials, she has won numerous accolades including the Royal College of Surgeons England Intercolated Bachelor of Science Degree in Surgery award and the ASiT prize for best presentation in surgical training/research in the Surgical Research Society Conference.

Anaiya has a passion for medical education and surgical training and is committed to increasing



access and improving diversity within the surgical profession. She believes that augmented reality has the potential to usher in a new era of surgical training, bringing together students and teachers from different parts of the world and providing them with the highest quality training and has a deep interest in furthering research in this field.



## DAVID MURRAY

Professor Murray initially read Engineering Science at Cambridge and was awarded the Wright prize for engineering.

He later qualified in medicine but maintained an interest in engineering.

He is a member of the hospital's joint replacement team, specialising in knee and hip joints, but also leads a team of clinical scientists who work with the

Department of Engineering Science and with Professor Ray Fitzpatrick's group in the Institute of Health Sciences.

His team are undertaking biomechanical and clinical studies related to the knee and hip. The biomechanical studies use anatomical, computer modelling, gait analysis and x-ray techniques to study normal, diseased and replaced joints.

They have made major contributions to the understanding of knee kinematics, both in normal and replaced joints, and to the development of methods to predict and prevent failure in joint replacements.

Patient-based scores, which measure the outcome of joint replacements, have been developed and are being used worldwide.

His group has helped to run the national audit of hip replacements and are now running the largest multi centre randomised controlled study of knee replacements in the UK (KAT). They have won a series of prizes for their work, including British and European Research Society Prizes.

The main clinical contributions have been the development of new implants and surgical techniques for knee replacement. The Oxford group pioneered the use of mobile bearings, which are used in about a third of knee replacements performed in European countries. The Oxford Unicompartmental replacements can now be reliably implanted with a minimally invasive technique. This gives a much more rapid recovery and better function than a standard total knee replacement and its use is increasing rapidly worldwide.



## JAMES MURRAY

Mr James Murray started practicing as an orthopaedic consultant in Bristol in 2007. He holds elective NHS posts at The Avon Orthopaedic Centre where he is the clinical audit lead for orthopaedics, Southmead Hospital, and at Frenchay Hospital where he is also Trauma Director.

James graduated from Cambridge, underwent basic surgical training at Oxford before working in knee and hip research in Newcastle. He then entered

orthopaedic specialist training in the Wessex Deanery and won the EndoPlus Knee Prize in 2005. In 2006, he spent a Fellowship year in Sydney, Australia at the internationally renowned Australian Institute of Musculoskeletal Surgery, gaining valuable experience in sports injuries and joint replacement surgery under the supervision of Merv Cross. That same year he was awarded the British Association of Surgery for the Knee travelling fellowship.

James has a keen research and training interest having written numerous published peer-reviewed papers and his first book, A to Z of Musculoskeletal and Trauma Radiology, which was published in June 2008. He also reviews for the journal, Clinical Orthopaedics and Related Research, and is a member of the Bristol Knee Group which carries out research and teaching related to knee surgery both in the UK and internationally.

His extensive experience has enabled him to offer a comprehensive knee service in both the public and private sectors. He is able to solve even the most complex of knee problems, reconstructing joints in patients with degenerative disease or those unfortunate enough to need a revision after their first or even second knee replacement. However, his main focus is on early post-operative mobility using techniques such as minimally-invasive muscle-sparing joint replacement and day-case ligament reconstruction.



## SAM OUSSEDIK

Sam Oussedik is a consultant trauma and orthopaedic surgeon with an NHS practice at University College Hospital London. He sees private patients at The Wellington Hospital, the Princess Grace Hospital, the Institute of Sport, Exercise and Health and the Lister Hospital in Chelsea. He specialises in knee surgery for both sports injuries and degenerative conditions, as well as all forms of trauma surgery.

Having spent a large proportion of his post-graduate training in the field of knee surgery, Mr Oussedik went on to spend 1 year at the Royal North Shore Hospital in Sydney as Knee Fellow. During this time he was able to gain highly specialised experience in all aspects of knee and lower limb surgery, specifically focusing on the latest techniques for joint replacements and knee reconstruction following sports injuries.

He now specialises in all forms of knee surgery. This includes ligament reconstruction, such as anterior cruciate ligament reconstruction; multiligament knee reconstruction, meniscal surgery; cartilage surgery including cartilage restoration treatments; joint preservation through osteotomy; patellofemoral stabilisation (kneecap stabilisation) including trochleoplasty; partial joint replacement; total joint replacement; navigation assisted joint replacement. With such an array of available treatment modalities, Mr Oussedik ensures that the treatment is tailored to the individual patient's needs.

Mr Oussedik has co-edited 2 books on knee replacement and pursues research in methods to improve patient outcomes following knee replacement surgery. He accepts complex tertiary referrals for both native joint and previously replaced knee joint problems.



## ANDREW PRICE

Professor Andrew Price studied medicine at the University of Cambridge (Gonville and Caius College) before completing his clinical studies at St. Thomas' Hospital in London. For his Orthopaedic training he joined the Oxford training programme in 1997, becoming a Clinical Lecturer in NDORMS in 2001.

He was awarded a DPhil in 2003 through the University of Oxford (Worcester College), studying the Oxford partial knee replacement. He then completed a year of specialist Knee Fellowship training in Melbourne, returning to NDORMs and the Nuffield Orthopaedic Centre in 2004, where he was subsequently appointed Reader and Honorary Consultant in Knee Surgery.

In 2011, through the University of Oxford Recognition of Distinction exercise, he was made a Professor of Orthopaedic Surgery at NDORMS. His clinical work as a Consultant Knee Surgeon is based at the Nuffield Orthopaedic Centre, where he has recently been appointed to Clinical Director T&O. His research is based in NDORMS at the Botnar Centre, where he Leads the Knee Research Group.

Andrew is Fellow of Worcester College (Tutor for Graduate Entry Medical Studies), a member of the British Orthopaedic Association, member of the UK National Joint Registry Steering Committee and Past President of the British Association for Surgery of the Knee (BASK).



## ANDREW PORTEOUS

Mr Andrew Porteous is a consultant orthopaedic surgeon, specialising exclusively in knee surgery. He is the lead knee surgeon for North Bristol NHS Trust (one of the largest in the country), which incorporates Southmead and Frenchay teaching hospitals and the Avon Orthopaedic Centre.

He developed the Knee Injury Service for North Bristol and performs a large number of ligament reconstruction and cartilage repair operations each year. He has significant experience with treatment techniques for both early and advanced knee arthritis, including partial knee replacement, osteotomy and total knee replacement. His practice treats a high proportion of complex ligament, joint replacement and revision cases from the South West, South Wales and from abroad. He has also developed a programme of knee replacement education classes at the Avon Orthopaedic Centre and is the advisor on knee problems and pathways to the Bristol PCT MATS scheme.

Andrew graduated in Medicine from the University of Cape Town (MBChB 1990) before undertaking his surgical and orthopaedic training in Bristol, England. He completed his sub-specialisation in Knee Surgery with a Fellowship under John Bartlett in Melbourne, Australia. Awarded the BASK Travelling Fellowship, he was able to visit and train further with Peter Fowler (London Ontario), Chris Harner and Freddie Fu (Pittsburgh), Tom Minas and Dick Scott (Boston), Lars Engebretsen (Oslo) and Chris Dodd (Oxford).

He lives in Bristol with his wife and three children. He formerly played representative level rugby and rowed for the University of Cape Town but now enjoys travel, swimming, cycling, tennis and golf – when he has the time!



## JAMES ROBINSON

James is a Specialist Knee Surgeon based at the Avon Orthopaedic Centre in Bristol.

He trained in London and his postgraduate Master of Surgery degree was on the biomechanics of the posteromedial corner. James' fellowship training was at the Clinique du Sport, Bordeaux-Merignac and at the Avon Orthopaedic Centre in Bristol. He recently undertook an 18-month sabbatical to work in the UAE at the International Knee and Joint Centre.

He has published many research articles and book chapters on knee surgery and has received awards for this both nationally and internationally. His ACL research won the British Association of Surgery of the Knee President's medal.

James has developed instrumentation and techniques for arthroscopic surgery, and he is regularly invited to lecture and teach internationally on aspects of sports related surgery, such as ligament reconstruction, meniscal repair and osteotomy.

His other roles include: member of the Arthroscopy committee for ESSKA (European Society for Sports Traumatology, Knee Surgery and Arthroscopy), member of the ESSKA Collateral ligaments Working Group, member of the international ACL Study group. He is a reviewer for the American Journal of Sports Medicine and is on the editorial board of the Asian Journal of Arthroscopy. He sits on the steering committee for the UK National Ligament registry.



## ANDERS TROELSEN

Professor Anders Troelsen is a senior consultant performing primary and revision knee and hip arthroplasty at Copenhagen University Hospital Hvidovre, and a professor of Orthopaedic Surgery at the University of Copenhagen. He has achieved PhD. and doctor of medical sciences degrees, did a research fellowship at MGH in Boston and has been visiting consultant in Oxford.

His academic focus areas are testing of developments in knee and hip arthroplasty designs and materials applying special techniques like RSA radiography, and optimizing treatment strategies validating and applying PROM's as part of these efforts. Prospective data collection by means of RCT's, databases, and international multicenter studies are in his portfolio.



## TIM WATERS

Tim trained at the Royal National Orthopaedic Hospital and spent a year on the Sydney Hip and Knee Surgeons' international fellowship. He was appointed as a Consultant at West Hertfordshire Hospitals NHS Trust in 2008 and was Clinical Director for Trauma & Orthopaedics 2014-2017. He has a specialist interest in complex and revision hip and knee reconstruction. He has extensive experience in robotic-assisted knee and hip replacement surgery using the CORI system. He is currently looking at ways to measure outcomes, learning curves and improvements in the workflow. Outside interests include playing/writing music (guitars/keys), running and eating (separately).

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