

BASK SPRING MEETING 2009

ASSEMBLY ROOMS, EDINBURGH

THURSDAY 2nd APRIL

- 09.00 am **REGISTRATION & COFFEE**
- 10.00am **INTRODUCTION** – Chris Dodd, President & Richard Nutton, Edinburgh Host
- Session I - TKR 10.10am **Free Paper Session – TKR Outcome Factors**
- BODY MASS INDEX DOES IT AFFECT THE OUTCOME IN PRIMARY TKA:
A PROSPECTIVE 5-YEAR STUDY**
S Hakkalamani, P Mereddy, M Nixon, R Finley, N J Donnachie
Wirral University Teaching Hospitals, UK.
- 10.16 **HOW DO IMPLANT DESIGN AND GENDER EFFECT THE OUTCOME OF
TOTAL KNEE ARTHROPLASTY?**
¹van der Linden ML. PhD, ²Rowe PJ PhD, ³Nutton RW MD, FRCS
¹School of Health Sciences, Queen Margaret University, Edinburgh, UK,
²Bioengineering Unit, Strathclyde University, Glasgow UK, ³Orthopaedic
Department, Royal Infirmary, Edinburgh UK
- 10.22 **PRE-OPERATIVE PSYCHOLOGICAL STATUS AFFECTS EARLY OUTCOME
FOLLOWING PRIMARY KNEE ARTHROPLASTY**
S Al-Naser, A P Davies
Morriston Hospital, Swansea, UK
- 10.28 **Discussion**
- Free Paper Session – TKR Outcome**
- 10.34 **OBJECTIVE PHYSICAL ACTIVITY BEFORE AND ONE YEAR AFTER TOTAL
KNEE ARTHROPLASTY.**
¹van der Linden ML. PhD, ²Rowe PJ PhD, ³Nutton RW MD, FRCS
¹School of Health Sciences, Queen Margaret University, Edinburgh, UK,
²Bioengineering Unit, Strathclyde University, Glasgow UK, ³Orthopaedic
Department, Royal Infirmary, Edinburgh UK
- 10.40 **EARLY FAILURE OF KINEMAX PLUS TOTAL KNEE REPLACEMENTS**
Junjie Wu¹, Aditi Augustine¹, David Deehan², Jim Holland² and Emma Reay²
¹. School of Engineering, Durham University, Durham, UK
². Freeman Hospital, Newcastle Upon Tyne, UK
- 10.46 **A COMPARISON OF THE MEDIAL ROTATION PLATFORM KNEE VERSUS
A SINGLE RADIUS CONDYLAR KNEE IN PRIMARY TOTAL KNEE
ARTHROPLASTY – A PROSPECTIVE RANDOMISED CONTROLLED STUDY**
F S Hossain, S Patel, J Tahmassebi, F S Haddad
Department of Trauma & Orthopaedics, University College Hospital, London, UK
- 10.52 **Discussion**
- Free Paper Session – TKR Kinematics**
- 10.58 **THE EFFECTS OF TIBIAL TRAY ROTATION AND POSTERIOR SLOPE ON
KNEE KINEMATICS FOLLOWING TOTAL KNEE REPLACEMENT**
A Karim, AMJ Bull, O Kessler, NP Thomas, AA Amis
North Hampshire Hospital, Imperial College London
- 11.04 **COMPARING MOTION CAPTURE WITH IMAGE REGISTRATION TO STUDY
THE ERRORS ASSOCIATED WITH QUANTIFYING KNEE KINEMATICS**
G M Whatling¹, M Larcher², P Young², J Evans³, D Jones³, S A Banks⁴, B J Fregly⁴,
A Khurana⁵, A Kumar⁵, R W Williams⁵, C Wilson⁵, C A Holt¹
¹Cardiff School of Engineering, Cardiff University, Wales, UK; ²University of Exeter,
UK; ³CUBRIC, Cardiff University, UK; ⁴Department of Mechanical and Aerospace
Engineering, University of Florida, USA. ⁵University Hospital Wales, Cardiff

11.10	THE EFFECT OF POSTERIOR TIBIAL SLOPE ON POST OPERATIVE FLEXION AND FUNCTIONAL OUTCOMES IN TOTAL KNEE ARTHROPLASTY. A DOUBLE BLINDED RANDOMISED CONTROLLED TRIAL. JR Fountain, C Jakaraddi, J Pope, JS Davidson, AJA Santini. <i>Lower Limb Arthroplasty Unit, Royal Liverpool and Broadgreen University Hospital</i>
11.16	Discussion
Session II – TKR Complications	Free Paper Session – Bloodloss at TKR
11.25	DOES TRANEXAMIC ACID DECREASE RE-INFUSION VOLUME IN TOTAL KNEE REPLACEMENT? <i>L McGonagle, S Hakkalamani, F A Carroll</i> Wirral University Teaching Hospital NHS Foundation Trust
11.31	TRANEXAMIC ACID AND POST KNEE ARTHROPLASTY BLOOD TRANSFUSIONS: AN ANALYSIS OF 207 PATIENTS UNDERGOING UNILATERAL TOTAL KNEE REPLACEMENTS. M Rashid, R Squires, A Khaleel. <i>The Rowley Bristow Orthopaedic Unit, St Peter’s Hospital, Ashford & St Peter’s NHS Trust, Chertsey.</i>
11.37	MINIMISING ALLOGENIC BLOOD TRANSFUSION AFTER TOTAL KNEE ARTHROPLASTY R Maheshwari, A Siegmeth <i>Department of Orthopaedics, Golden Jubilee National Hospital, Clydebank, Scotland</i>
11.43	Discussion
	Free Paper Session – VTE
11.50	DO WE HAVE TO GIVE ROUTINE THROMBOPROPHYLAXIS FOR DEEP VEIN THROMBOSIS AFTER DAY CASE KNEE ARTHROSCOPY? A S Rajeev, S Senevirathna, N S S Kashyap Queen Elizabeth Hospital, Gateshead UK
11.56	RISK FACTORS FOR CLINICALLY RELEVANT PULMONARY EMBOLISM IN PATIENTS UNDERGOING KNEE ARTHROPLASTY R S Kotwal, A Scholz, A Robertson, M C Forster <i>University Llandough Hospital, Cardiff</i>
12.02	Discussion
12.10	INVITED LECTURER: Dr Jan Victor, Brugges ‘The Cruciate complex in both the National and the Replaced Knee’
12.40	LUNCH – Music Hall 1 st Floor (Exhibition Area)
Session III	13.45 SEMINAR: Registries and their Usefulness – Chairman Mr Nick Fiddian
	1. The Scottish Arthroplasty Project – Mr Colin Howie , Edinburgh 2. Knee Data from the NJR – Mr Martyn Porter , Wrightington 3. Hip Data from the NJR – Mr Peter Howard , Derby 4. How to access the NJR – Data for Surgeons – Mr Richard Armstrong , Northgate 5. Measuring, Monitoring and Publishing clinical outcomes – Experience from Cardiac Surgery – Mr Ben Bridgewater , Cardiac Surgeon, Manchester
15.15	TEA – Music Hall 1 st Floor (Exhibition Area)
Session IV - Miscellaneous	Free Paper Session – Consultation and Lists
15.45	A STUDY OF ELECTIVE ORTHOPAEDIC CONSULTATION TIME IN A DISTRICT GENERAL HOSPITAL V Upadhyay, A Sahu, R Sharma, W Farhan, TK Kumar <i>Department of Trauma & Orthopaedics, Doncaster Royal Infirmary, Doncaster</i>

- 15.51 THE EFFECT OF TRAINEE INVOLVEMENT ON PROCEDURE AND LIST TIMES IN ORTHOPAEDICS: AN INDEPTH STATISTICAL ANALYSIS FROM A TEACHING HOSPITAL IN UNITED KINGDOM
A Sahu, T Wilson, SJ Anand, DS Johnson, PG Turner
Department of Trauma & Orthopaedics, Stepping Hill Hospital, Stockport
- 15.57 **Discussion**
- Free Paper Session – Post-op and BASK papers**
- 16.01 MANIPULATION FOR STIFFNESS FOLLOWING TOTAL KNEE ARTHROPLASTY: WHEN AND HOW OFTEN TO DO IT?
A S Desai, A, Karmegam, T N Board, V V Raut.
Institution of Work: Wrightington Hospital, U.K.
- 16.07 DO POST OPERATIVE HAEMOGLOBIN LEVELS BETWEEN 7-8G/DL SLOW REHABILITATION AFTER TOTAL KNEE REPLACEMENT?
G Williams
Wirral University Hospital NHS Trust, Arrowe Park Road, Cheshire, CH49 5PE
- 16.13 THE PUBLICATION RATES OF PRESENTATIONS MADE AT BASK ANNUAL MEETINGS: AN INDEPTH OBSERVATIONAL STUDY
A Sahu, N Nazary, NS Harshavardena, SJ Anand, DS Johnson
Department of Trauma & Orthopaedics, Stepping Hill Hospital, Stockport
- 16.20 **Discussion**
- 16.30 – 18.00 **AGM**
All members of BASK are invited to attend

FRIDAY 3rd APRIL

Day-Two - BASK 2009 Annual Meeting

08.30 am
Session V- Revision Surgery

Coffee

- 09.00 **Free Paper Session – Revision for infection**
- SINGLE STAGE REVISION FOR INFECTED TOTAL KNEE ARTHROPLASTY
R S Kotwal, N Prasad, R Morgan-Jones
University Llandough Hospital, Cardiff
- 09.06 TWO STAGE REVISION FOR INFECTED TOTAL KNEE ARTHROPLASTY- OUR EXPERIENCE WITH INTERVAL PROSTHESIS AND SHORT COURSE PARENTERAL ANTIBIOTIC THERAPY
N Prasad, V Peringe, R Kotwal, A Ghandour, R Morgan Jones
Cardiff & Vale NHS Trust
- 09.12 DOES INTRA-ARTICULAR STEROID INJECTION INCREASE RATE OF INFECTION IN TOTAL KNEE REPLACEMENT?
C K Tan, S Panchani, V Selvaratnam, R H K Tan, P B Carter, G J Kemp
Orthopaedics Department, Aintree University Hospitals NHS Foundation Trust, University Hospital Aintree, Longmoor Lane, Liverpool, L9 7AL.
- 09.18 THE MICROBIOLOGY OF THE INFECTED KNEE ARTHROPLASTY
R S J Nickinson, T N Board, A K Gambhir, M L Porter, P R Kay
Wrightington Hospital, Wigan, UK
- 09.24 **Discussion**
- 09.27 **Free Paper Session – Revision TKR**
- 09.33 RATE OF INFECTION IN RENAL PATIENTS UNDERGOING TOTAL KNEE ARTHROPLASTY IN SCOTLAND
M A McCleery¹, M J Chambers¹, W J Leach¹, T Norwood²
¹. *Gartnavel General Hospital, Glasgow*
². *Scottish National Arthroplasty Project, Edinburgh*

- 09.39 REVISION TOTAL KNEE REPLACEMENT: A STUDY OF THE TRENT AND WELSH KNEE REGISTER.
A Alani, C Esler.
University Hospitals of Leicester.
- 09.45 **Discussion**
- 09.50 **Free Paper Session – Uni Revision**
- EARLY RE-INTERVENTION FOLLOWING OXFORD UNICOMPARTMENTAL KNEE REPLACEMENT
A Datta, M David, K Baloch
Royal Orthopaedic Hospital Birmingham
- 09.56 CONVERSION OF UNICOMPARTMENTAL KNEE REPLACEMENT TO TOTAL KNEE REPLACEMENT: AS EASY AS A PRIMARY TOTAL KNEE REPLACEMENT?
W Chan, T Harrison, H Wynn-Jones, N P Walton
Norfolk and Norwich University Hospital, Norwich
- 10.02 POLYETHYLENE WEAR IN OXFORD UNICOMPARTMENTAL KNEE REPLACEMENT – A RETRIEVAL STUDY OF 47 BEARINGS.
B J L Kendrick, D Simpson, N J Bottomley, B Marks, H Pandit, D Beard, H S Gill, C A Dodd, D W Murray, A J Price
Nuffield Orthopaedic Centre, Oxford
- 10.08 **Discussion**
- 10.15 **Coffee – Music Hall 1st Floor (Exhibition Area)**

Session VI – Basic Science

- Free Paper Session – Receptors**
- 10.45 EXPRESSION OF GLUTAMATE RECEPTORS AND TRANSPORTERS IN HUMAN SUBCHONDRAL BONE IN OSTEOARTHRITIS
¹D J Mason, ¹K Brakspear, ²C Wilson, ²R Williams, ²R S Kotwal
¹School of Biosciences, Cardiff University, Cardiff. ²University Llandough Hospital Cardiff
- 10.51 EXPRESSION OF GLUTAMATE RECEPTORS AND TRANSPORTERS IN HUMAN MENISCUS: CORRELATION WITH ANATOMICAL LOCATION, PAIN OR PATHOLOGY
¹R S Kotwal, ²K Brakspear, ¹C Wilson, ¹R Williams, ²D J Mason
¹University Llandough Hospital, Cardiff. ²School of Biosciences, Cardiff University, Cardiff
- 10.57 **Discussion**
- 11.03 **Free Paper Session – ACI**
- COMPARISON OF CHARACTERIZED CHONDROCYTE IMPLANTATION VERSUS MICROFRACTURE IN THE TREATMENT OF SYMPTOMATIC FULL-THICKNESS DEFECTS OF THE KNEE: RESULTS AFTER THREE YEARS
Fortems Y
Department of Orthopedics, AZ St Jozef, Malle, Belgium
- 11.09 A CORRELATION BETWEEN TIMING OF POST-AUTOLOGOUS CHONDROCYTE IMPLANTATION BIOPSY AND HISTOLOGY
P.D. Gikas, R. Carrington, J. Skinner, T.W.R. Briggs, G. Bentley
Joint Reconstruction Unit, Royal National Orthopaedic Hospital, Brockley Hill, Stanmore; Middlesex HA7 4LP
- 11.15 **Discussion**
- 11.20 **Free Paper Session – Cytology and Scaffolds**
- SYNOVIAL FLUID AND MEMBRANE CYTOLOGY IN INFLAMMATORY OSTEOARTHRITIS OF THE KNEE – A PREDICTOR FOR UNICOMPARTMENTAL OR TOTAL KNEE ARTHROPLASTY
J J Matthews, K Williams, G Mahendra, D Mahoney, C Swales, A Sabokar, A Price, NA Athanasou, C L M H Gibbons
Department of Pathology, Nuffield Department of Orthopaedic Surgery, University of Oxford, Nuffield Orthopaedic Centre, Headington, Oxford, OX3 7LD, UK

- 11.26 PLATELET RICH PLASMA ACTIVATION IN COLLAGEN/GLYCOSAMINOGLYCAN OSTEOCHONDRAL SCAFFOLDS FOR ARTICULAR CARTILAGE TISSUE ENGINEERING APPLICATIONS
A Getgood[†], R Brooks[†], L Fortier[‡], N Rushton[†]
[†]University of Cambridge Orthopaedic Research Unit
[‡]Cornell University Large Animal Hospital, Ithaca, New York
- 11.32 PRECLINICAL ARTICULAR CARTILAGE REPAIR USING A REGIONALLY SPECIFIC COLLAGEN/GLYCOSAMINOGLYCAN OSTEOCHONDRAL SCAFFOLD
A Getgood, R Brooks, A Lynn, T Simon, H Aberman, N Rushton
University of Cambridge Orthopaedic Research Unit
- 11.38 MENISCAL RECONSTRUCTION USING A COLLAGEN MENISCAL IMPLANT: NEW HOPE FOR THE POST MENISCECTOMY KNEE?
P Makrides, MR Carmont, M Dhillon, P Thompson, T Spalding
University Hospital Coventry & Warwickshire NHS Trust, Coventry, UK
- 11.45 **Discussion**
- 12.00 **INVITED LECTURE:**
Mr Richard Burnett, Consultant Orthopaedic Surgeon, Edinburgh Royal Infirmary
‘Who should be doing revision knee replacement?’
- 12.20 **LUNCH** - Music Hall 1st Floor (Exhibition Area)

Session VII-Pre Knee Replacement

Free Paper Session – UNI

- 13.15 SEVEN YEAR SURVIVAL ANALYSIS OF MOBILE BEARING UKA IN PATIENTS 50 YEARS OF AGE OR LESS.
AJ Price, D Longino, U Svard, KT Kim, P. Weber, N Fiddian, D Shakespeare, G Keys, D Beard, H Pandit, CAF Dodd, DW Murray.
Nuffield Orthopaedic Centre, Oxford
- 13.21 TOTAL AND UNICONDYLAR KNEE ARTHROPLASTY PRE-OPERATIVE OXFORD KNEE SCORING - DO THE POPULATIONS DIFFER?
WGP Eardley, PN Baker & AG Jennings
University Hospital North Durham
- 13.27 **Discussion**
- Free Paper Session – Osteotomy**
- 13.31 VALGUS HIGH TIBIAL OSTEOTOMY USING TOMOFIX PLATE –MEDIUM-TERM RESULTS IN YOUNG PATIENTS.
S H Zaki, P J Rae
Wrightington Hospital for Joint diseases, Lancashire.
- 13.37 MODIFIED ELMSLIE-TRILLAT PROCEDURE IN PATELLOFEMORAL DYSFUNCTION-LONG TERM EVALUATION & REVIEW OF LITERATURE
S Needhi Rajan, A Gandhe, C M Fergusson
Royal Berkshire Hospital, Reading, UK
- 13.43 OUTCOME OF FRACTURES OF THE ANTERIOR TIBIAL SPINE IN SKELETALLY MATURE PATIENTS
JB Aderinto, JF Keating, P Walmsley
Department of orthopaedics, Edinburgh Royal Infirmary, UK
- 13.49 **Discussion**
- Free Paper Session – PFJ**
- 13.55 THE AVON PATELLOFEMORAL ARTHROPLASTY: AVERAGE 5 YEAR RESULTS FROM AN INDEPENDENT CENTRE.
M Odumenya, M L Costa, S J Krikler, N Parson and J Achten
Warwick Orthopaedics
- 14.01 ISOLATED LCS PATELLOFEMORAL JOINT REPLACEMENT
Z Abiddin, K Howard, CP Charalambous, P Sutton, R Parkinson
Arrove Park and Wirral University Teaching Hospital NHS Trust and Sheffield Teaching Hospital NHS Trust, UK.

- 14.07 **Discussion**
- Free Paper Session – MR and Physio**
- 14.11 THE VALUE OF EARLY MRI IN ACUTE KNEE INJURY: A RANDOMISED CONTROLLED TRIAL
N K Patel, A Bucknill, J Denning, D Ahearne, K Desai, M Watson.
Departments of Trauma and Orthopaedic Surgery, Physiotherapy and Radiology, West Middlesex University Hospital (WMUH), London, United Kingdom
- 14.17 THE EFFECTS OF A MULTI-MODAL PROGRAMME ON OSTEOARTHRITIS OF THE KNEE
S Patel, F S Hossain, B Paton, F S Haddad
Department of Orthopaedics, University College Hospital, London, UK
- 14.23 CLINICAL RESULTS OF MAGNETIC RESONANCE THERAPY IN KNEE OSTEOARTHROSIS - A DOUBLE BLIND RANDOMISED CONTROLLED TRIAL
Peehal J P, Smith F W, Barker S L.
The Department of Orthopaedics and Radiology, Woodend Hospital, Aberdeen
- 14.29 **Discussion**
- 14.35 **TEA - - Music Hall 1st Floor (Exhibition Area)**

Session – VIII – Sports Medicine

- Free Paper Session – Meniscal rehab**
- 14.50 RETURN TO SPORT FOLLOWING MENISCAL REPAIR WITH ALL INSIDE SUTURE DEVICES.
PJ Kempshall, AN Moideen , D Pemberton, S Roy.
Department of orthopaedics. Royal Glamorgan Hospital, Wales.
- 14.56 **Discussion**
- Free Paper Session - Ligaments**
- 14.58 ATTITUDES TO SPORT AND REHABILITATION: INFLUENCE ON OUTCOME FOLLOWING ACL RECONSTRUCTION
Colaço HB, Oussedik S, Paton B, Haddad FS
University College Hospital, London
- 15.04 COMBINED ANTERIOR CRUCIATE & POSTEROLATERAL CORNER INJURY - A PROSPECTIVE STUDY OF FUNCTIONAL OUTCOME
JV Banks, I Pengas, A Hatcher, P Meyers, D Sprott, MJ McNicholas
Warrington General Hospital, Cheshire UK
- 15.10 PROSPECTIVE STUDY OF FUNCTIONAL OUTCOME FOLLOWING PCL RECONSTRUCTION USING A DOUBLE TUNNEL TECHNIQUE.
JV Banks, I Pengas, A Hatcher, P Meyers, D Sprott, MJ McNicholas
Warrington District General Hospital, Cheshire, UK
- 15.16 **Discussion**
- Free Paper Session – Single vs Double Bundle**
- 15.22 SINGLE VERSUS DOUBLE BUNDLE ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION-A META-ANALYSIS
V Shanbhag, S Sarasin, A Robertson ,MC Forster.
University Hospital of Wales, Cardiff
- 15.28 ANATOMICAL DOUBLE BUNDLE ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION WITH MINIMUM TWO YEAR FOLLOW-UP
A Getgood, A Dickinson, TPS Bhullar
Edith Cavell Hospital, Peterborough
- 15.34 Double Bundle ACL reconstruction- How big is the learning curve?
M.Snow, W.D.Stanish
Sports Medicine Clinic of Nova Scotia, Halifax, Nova Scotia, Canada.
- 15.40 **Discussion**
- 15.45 – 16.00 **Closing Remarks – Mr Chris Dodd, President**