MONDAY 2\textsuperscript{nd} MARCH

Registration from 07.30

BORS (British Orthopaedic Research Society) - Room: NK Suite (A+B)

09.00 – 10.30

PODIUM PRESENTATIONS OF SCIENTIFIC PAPERS

Chairs: John Skinner and Gordon Blunn

Twelve Papers (5 Minutes Presentation + 2 ½ Minutes Discussion)

COMPARISON OF FOUR CARTILAGE REPAIR TECHNIQUES IN THE HUMAN CADAVERIC HIP JOINT: A BIOMECHANICAL STUDY (68)
Aj Cassar-Gheiti\textsuperscript{1}, DP Byrne\textsuperscript{2}, KJ Muhall\textsuperscript{1}
\textsuperscript{1}Mater Misericordiae University Hospital, \textsuperscript{2}Orthopaedic Research and Innovation Foundation

THE INVIVO LOCATION OF A PRIMARY WEAR SCAR IN METAL-ON-METAL HIP REPLACEMENTS: A NOVEL TECHNIQUE (101)
G Govind, J Henckel, H Hothi, S Sabah, J Skinner, A Hart
University College London, Institute of Orthopaedics and Musculoskeletal Science, Royal National Orthopaedic Hospital, Stanmore, UK

CATASTROPHIC MOM WEAR TRIGGERED IN A HIP SIMULATOR STUDY BY INTRUSION OF METAL PARTICLES (54)
IC Clarke
Loma Linda University, Loma Linda, USA

EFFECT OF FRICTIONAL TORQUE AND BENDING MOMENT ON THE FRETTING CORROSION BEHAVIOUR OF THE LARGE DIAMETER FEMORAL HEAD: AN IN VITRO STUDY (152)
K Osman\textsuperscript{1,2}, A Panagiotidou\textsuperscript{1}, J Meswania\textsuperscript{1}, J Skinner\textsuperscript{1}, A Hart\textsuperscript{1}, FS Haddad\textsuperscript{2}, G Blunn\textsuperscript{1}
\textsuperscript{1}John Scales Centre for Biomedical Engineering, Institute of Orthopaedics and Musculo-Skeletal Science, Division of Surgery & Interventional Science, University College London, Royal National Orthopaedic Hospital, UK, \textsuperscript{2}Institute of Sports, Exercise and Health, University College London, London, UK

SURFACE ROUGHNESS OF FEMALE TAPER IS AN IMPORTANT FACTOR LEADING TO MATERIAL LOSS IN CONTEMPORARY HIP ARTHROPLASTIES (146)
DJ Langton, MC Killen, RP Sidaginamale, JG Bowsher, C Savisaar, AVF Nargol, TJ Joyce, JK Lord
University Hospital North Tees, UK
BIOMECHANICAL EVALUATION OF CABLES VERSUS LOCKING ATTACHMENT PLATE FIXATION FOR VANCOUVER TYPE-B1 PERIPROSTHETIC FEMORAL FRACTURES (52)

J Griffiths¹, A Taheri¹, R Day², P Yates¹
¹Fremantle Hospital, Perth, Australia, ²Royal Perth Hospital, Perth, Australia

CT BASED 3D MOTION ANALYSIS OF FAI: ARE ALPHA ANGLES USEFUL FOR PREDICTING CAM RESECTION? (49)

S Barke, C Tweed, G Stafford
The Elective Orthopaedic Centre

MRI T2 CARTILAGE MAPPING CORRELATION WITH CARTILAGE VISUALISED DURING HIP ARTHROSCOPY (189)

EDR Bray
The Elective Orthopaedic Centre

CT-BASED DYNAMIC MOTION ANALYSIS; A COMPARISON OF TWO WIDELY AVAILABLE SYSTEMS (170)

M Sherafati
South West London Elective Orthopaedic Centre

POWERFUL DETECTION OF HIP OSTEOARTHRITIS SUSCEPTIBILITY LOCI BY COMPREHENSIVE EXAMINATION OF CLINICALLY IMPORTANT ENDOPHENOTYPES (94)

S Thiagarajah
Academic Unit of Bone Metabolism, Department of Human Metabolism, University of Sheffield, UK

A GENOME-WIDE ASSOCIATION STUDY OF OSTEOLYSIS FOLLOWING TOTAL HIP ARTHROPLASTY (134)

S MacInnes, JM Wilkinson
University of Sheffield, Sheffield, UK

THE EFFECT OF BIOLOGIC THERAPIES VERSUS CONVENTIONAL ANTI-RHEUMATIC THERAPIES ON POST-OPERATIVE INFECTION INCIDENCE AND LENGTH OF STAY, FOLLOWING LOWER-LIMB ARTHROPLASTY: SERVICE REPORT (72)

RL Jayasuriya, JM Wilkinson
Academic Unit of Bone Metabolism, Department of Human Metabolism, University of Sheffield, UK
09.00 – 10.30 Emerging Hip Surgeons Forum - Room: Nine Kings Suite (C)

Chairs: Jonathan Miles and George Whitwell

Guest speakers: Colin Howie, Edinburgh (President of the BOA)
Andrew Manktelow (Nottingham)
Marcus Bankes (London)

09.00 – 09.05 Introduction - Jonathan Miles

09.05 – 09.20 Total Hips with Fractures (Case based)              George Whitwell
09.20 – 09.30 Cases - Failed Hemiarthroplasty Surgery           Faculty
09.30 – 09.45 Extended Approaches in Complex Primary and       Andrew Manktelow
        Revision Surgery
09.45 – 10.00 The Acetabulum after Childhood Hip Disease       Marcus Bankes
10.00 – 10.20 Running a Complex Primary Hip Practice          Colin Howie
10.20 – 10.30 Cases – Trochanteric Osteotomy/Post-paeds Hip    Faculty

09.15 – 10.30 NAHR Workshop – Room: Beech 1

All surgeons performing Non Arthroplasty Hip Surgery are welcome to attend.

This is a practical session to showcase the Non Arthroplasty Hip Registry. Please bring your own laptop - iPads and other hardware will be available. Members of the NAHR User Group will answer questions and arrangements can be made to upload historical data. Learn how to generate your own confidential outcome Reports. Questions about data security and Governance will be answered.

This is our Registry - it's time to lead the world with quality data!

10.30 – 11.00 REFRESHMENTS & POSTER VIEWING
11.00 – 11.15 Welcome to London: John Skinner (President, British Hip Society)

11.15 – 12.20 PODIUM PRESENTATIONS OF SCIENTIFIC PAPERS
(Hip Fracture and Non Arthroplasty Hip)

Chairs: Jonathan Howell and Tony Andrade

Eight Papers (5 Minutes Presentation + 1 ½ Minutes Q&A + 1 Min. change over)

A REGIONAL AUDIT ON THE PROVISION OF TOTAL HIP REPLACEMENT FOR DISPLACED INTRACAPSULAR HIP FRACTURES (99)
LH Lee
Collaborative Orthopaedic Research Network, Northern Deanery Trainees

HYPONATRAEMIA ASSOCIATED POST-OPERATIVE MORTALITY IN 3897 HIP FRACTURE PATIENTS (83)
CG Tinning
Department of Trauma and Orthopaedic Surgery, Ninewells Hospital, Dundee, UK

ACHIEVING THE 36 HOUR HIP FRACTURE BEST PRACTICE TARIFF: AN INVESTIGATION OF MEDICAL RISK FACTORS TO SURGICAL DELAY AND RECOMMENDATIONS FOR PRACTICE (78)
A Aqil, F Hossain, H Sheikh, B Akinbamijo, G Whitwell, J Aderinto, H Kapoor
Leeds Major Trauma Centre, Leeds, UK

THE USE OF MULTI-DETECTOR CT SCAN IN THE DIAGNOSIS OF OCCULT HIP FRACTURES: A COMPARISON WITH MRI SCAN (121)
S Masud, W Al-Azzani, R Thomas, EC Carpenter, S White, K Lyons
University Hospital of Wales, Cardiff, UK

HIP MR ARTHROGRAPHY CORRELATION WITH ARTHROSCOPY FINDINGS. A RETROSPECTIVE REVIEW OF 7 YEARS OF CLINICAL PRACTISE (46)
E Jeans¹, A Syed², A Mohammed²
¹University Hospital North Tees, ²Lancashire Teaching Hospitals

MINIMALLY INVASIVE PERIACETABULAR OSTEOTOMY USING A MODIFIED SMITH-PETERSON APPROACH: TECHNIQUE AND EARLY OUTCOMES (50)
O Khan, P Subramanian, D Agolley, A Malviya, JD Witt
University College London Hospitals NHS Trust, UK
TEN YEARS AFTER - HAS OPEN HIP DISLOCATION SURGERY BEEN WORTHWHILE? (91)
RG Middleton, IA Findlay, OO Onafowokan, D Parmar, GE Bartlett, ED Fern, MR Norton
Royal Cornwall Hospital, Cornwall, UK

SUCCESSFUL RETURN TO HIGH LEVEL SPORTS FOLLOWING EARLY SURGICAL REPAIR OF COMPLETE SLEEVE AVULSIONS OF THE ADDUCTOR COMPLEX IN COMBINATION WITH THE RECTUS ABDOMINIS AND PECTINEUS (85)
RJ Tansey, H Benjamin-Laing, S Jassim, K Liekens, A Shankar, FS Haddad
University College Hospital, London, UK

12.20 – 12.30 NAHR Update: Marcus Bankes

12.30 – 12.40 BHS Website Update: Richard Field

12.40 – 13.45 LUNCH & POSTER VIEWING

13.45 – 15.15 Topic in Focus I – The Infected THR: Changing Paradigms
Chairs: Fares Haddad & Gordon Bannister

13.45 – 13.55 Diagnosis: The Evolving role of Aspiration, cell counts and biomarkers
Steve Jones (Cardiff)

13.55 – 14.05 Incidence and Prevalence: Definitions and Reporting of Periprosthetic Infections - Andy Toms (Exeter)

14.05 – 14.15 Management of established infection: DAIR
Roger Gundle (Oxford)

14.15 – 14.25 What is the role of Systemic Antibiotics?
Ian Stockley (Sheffield)

14.25 – 14.35 Local Antibiotic Delivery beyond cement and the use of silver coatings
Jonathan Miles (RNOH)

14.35 – 14.45 The Infection MDT - the potential for improved outcomes
Fares Haddad (UCLH)

14.45 – 15.15 Cases and Discussion
15.15 – 16.25 PODIUM PRESENTATIONS OF SCIENTIFIC PAPERS
(MoM and Adolescent Hip)

Chairs: Steve Jones and John Nolan

Nine Papers (5 Minutes Presentation + 1 ½ Minutes Q&A + 1 Min. change over)

AN INTER AND INTRA OBSERVER RELIABILITY STUDY TO ASSESS THE MODIFIED OXFORD CLASSIFICATION FOR MRI IDENTIFIED SOFT TISSUE ABNORMALITIES IN METAL ON METAL TOTAL HIP ARTHROPLASTY (82)
S Barbur¹, H Gallipsy-Gallery², P Chapman¹, H Griffiths¹, K Conn¹, J Britton¹,
T Briant-Evans¹
¹Basingstoke and North Hampshire Hospital, UK, ²City University London, UK

COMPARISON OF MRI IDENTIFIED SOFT TISSUE LESIONS AFTER TOTAL HIP ARTHROPLASTY WITH METAL-ON-METAL, METAL-ON-POLYETHYLENE AND CERAMIC-ON-CERAMIC BEARING SURFACES (148)
A Eyre-Brook, A Pearce, N Lyle, G Stranks, T Briant-Evans
Basingstoke and North Hampshire Hospital Trust, Basingstoke, UK

WHAT IS THE CORRECT PROTOCOL FOR MANAGING PATIENTS WHO ARE ASYMPTOMATIC BUT HAVE AN MRI DIAGNOSED PSEUDO-TUMOUR AFTER METAL ON METAL HIP REPLACEMENT? (37)
SC Jonas, R Middleton
Royal Cornwall Hospital, Cornwall, UK

FOLLOW-UP OF METAL-ON-METAL HIP REPLACEMENT PATIENTS IS CURRENTLY NOT EVIDENCE BASED OR COST EFFECTIVE (40)
GS Matharu, SJ Mellon, DW Murray, HG Pandit
Nuffield Orthopaedic Centre, Oxford, UK

HOW DO BLOOD AND URINE METAL ION CONCENTRATIONS CHANGE FOLLOWING REVISION OF METAL-ON-METAL HIP REPLACEMENTS? (42)
GS Matharu, J Daniel, H Ziaee, PB Pyntsen, DJW McMinn
The McMinn Centre, Birmingham, UK

VALIDATION OF PRIMARY METAL-ON-METAL HIP PROCEDURES ON THE NATIONAL JOINT REGISTRY BY THE LONDON IMPLANT RETRIEVAL CENTRE (171)
J Skinner¹, S Sabah¹, J Henckel², E Cook³, H Hothi⁴, A Hart⁴
¹Royal National Orthopaedic Hospital, Stanmore, UK, ²Hillingdon Hospital, ³University of Bedfordshire, ⁴University College London
INTERNATIONAL MULTIDISCIPLINARY TEAMS: DIFFERENCES IN DECISION MAKING IN THE MANAGEMENT OF MOM HIP PATIENTS (190)
R Berber, M Khoo, R Carrington, J Miles, J Skinner, A Hart
Royal National Orthopaedic Hospital, Stanmore, UK

OUTCOMES FOLLOWING SUB-CAPITAL OSTEOTOMY FOR SEVERE SLIPPED UPPER FEMORAL EPIPHYSIS (80)
I Vanhegan
Paediatric Surgery, Royal National Orthopaedic Hospital, Stanmore, UK

LONG-TERM SURVIVAL AND FUNCTIONAL OUTCOME FOLLOWING SHELF ACETABULOPLASTY: A VALUABLE OPTION IN THE TREATMENT OF HIP DYSPLASIA? (107)
A Pollalis, G Grammatopoulos, A Wainwright, T Theologis, P McLardy-Smith, D Murray
Nuffield Orthopaedic Centre, Oxford, UK

16.25 - 16.40  Highlights of Poster Presentations
Verbal Presentation of Three Posters (4 minutes each)
Chairs: Marcus Bankes, Alex Acornley, Fares Haddad

16.40 - 17.00  REFRESHMENTS & POSTER VIEWING

17.00 - 18.30  Annual General Meeting (BHS Members only)

19.30  Gala Dinner - Drinks reception followed by Dinner & Entertainment at the Lancaster London Hotel (Nine Kings Suite)
TUESDAY 3rd MARCH

Registration from 07.30

08.05 – 08.15 Welcome and Review of Day One - John Nolan

08.15 – 09.15 PODIUM PRESENTATIONS OF SCIENTIFIC PAPERS
(Primary THR)

Chairs: Justin Cobb and Richard Field

Eight Papers (5 Minutes Presentation + 1 ½ Minutes Q&A + 1 Min. change over)

ENHANCED RECOVERY PROGRAMS AFTER TOTAL HIP REPLACEMENT CAN RESULT IN REDUCED LENGTH OF HOSPITAL STAY WITHOUT COMPROMISING FUNCTIONAL OUTCOME (28)

J Maempel, N Clement, A Ballantyne, E Dunstan
Victoria Hospital, Kirkcaldy, Scotland

DIFFERENCE BETWEEN DIRECT ANTERIOR AND POSTERIOR APPROACH TOTAL HIP REPLACEMENT: ROLE OF ENHANCED RECOVERY AFTER SURGERY PROTOCOL (130)

Ibrahim A Malek1, J P Whittaker2, I Wilson2, S P Phillips2, J R Wootton2, I Starks2
1All Wales Orthopaedic Training Programme, 2Wrexham Maelor Hospital

A RANDOMISED CONTROLLED STUDY INVESTIGATING THE EFFECT OF ACETABULAR COMPONENT INSERTION METHOD ON OPERATIVE ACETABULAR INCLINATION DURING TOTAL HIP ARTHROPLASTY (179)

C O’Neill1, D Molloy1, C Patterson2, D Beverland1
1Musgrave Park Hospital, Belfast, 2Queens University Belfast

THE INFLUENCE OF HIP CIRCUMFERENCE ON CUP INCLINATION ANGLE USING THE POSTERIOR APPROACH (32)

G Meermans, I Goetheer-Smits, R Lim, J Van Doorn, JJ Kats
Lievensberg Hospital, The Netherlands

REGIONAL DIFFERENCES IN BODY MASS INDEX WITH EFFECT ON ONE YEAR OUTCOME SCORES IN PATIENTS UNDERGOING TOTAL HIP ARTHROPLASTY (176)

F Welsh1, N Helmy2, A De Gast3, M Beck4, G French5, J Baines1
1Golden Jubilee National Hospital, UK, 2Bürgerspital Solothurn, Switzerland, 3Diakonessenhuis Utrecht, Netherlands, 4Luzerner Kantonsspital, Switzerland, 5Ormiston Orthopaedics, Auckland, NZ
THE EFFECT OF COMORBIDITY ON HIP FUNCTION: ARE WE COMPARING APPLES AND ORANGES? (177)
MJ Reidy¹, SL Gill¹, J MacLeod², DF Finlayson²
¹Ninewells Hospital, Dundee, ²Raigmore Hospital, Inverness

DO TRAINEE SURGEONS ADVERSELY IMPACT THR OUTCOMES? A 10 YEAR REVIEW (198)
M Reidy, A Faulkner, B Shitole, B Clift
Ninewells Hospital, Dundee

NOT ALL CEMENTED STEMS ARE THE SAME... (162)
HA Kazi, SL Whitehouse, AJ Timperley
Exeter Hip Unit, Exeter, UK

09.15 – 10.45 Topic in Focus II: Acetabular Revision and Reconstruction Surgery
Chairs: John Nolan and Steve Jones

09.15 – 09.30 The use of Cement in Acetabular Revision
Matthew Wilson (Exeter)

09.30 – 09.45 Uncemented Fixation and Porous Metals in Acetabular Revision
Andrew Manktelow (Nottingham)

09.45 – 10.00 The Custom Solution
Doug Dunlop (Southampton)

10.00 – 10.15 The Management of Pelvic Discontinuity
Dr David G. Lewallen (MAYO Clinic, USA)

10.15 – 10.45 Case discussions
Chair: Steve Jones

Panel of Experts: Matthew Wilson, Andrew Manktelow, Doug Dunlop, Dr David G. Lewallen

10.45 – 11.15 REFRESHMENTS & POSTER VIEWING
11.15 – 12.15 PODIUM PRESENTATIONS OF SCIENTIFIC PAPERS

(Primary THR Outcomes)

Chairs: Fares Haddad and John Timperley

Eight Papers (5 Minutes Presentation + 1 ½ Minutes Q&A + 1 Min. change over)

THE CLINICAL OUTCOME FOLLOWING PRIMARY TOTAL HIP REPLACEMENT IN THE NONAGENARIAN POPULATION – A RETROSPECTIVE COMPARATIVE COHORT ANALYSIS (55)
BJ Tadros, D Skinner, G Stafford
South West London Elective Orthopaedic Centre

OUTCOME OF FURLONG HYDROXYAPATITE-CERAMIC (HAC)-COATED FEMORAL STEM IN PATIENTS UNDER 50 YEARS OF AGE: 17 TO 25-YEAR FOLLOW-UP (48)
MA Syed, NJ Hutt, N Shah, AJ Edge
Worthing General Hospital

LONG TERM (>20 YEARS) FOLLOW UP OF EXETER CEMENTED HIP ARTHROPLASTY IN PATIENTS 50 YEARS AND UNDER (115)
A Sathu, AJ Timperley, M Hubble, M Wilson, S Whitehouse, J Howell
Exeter Hip Unit, Exeter, UK

LONG TERM OUTCOME FOLLOWING TOTAL HIP ARTHROPLASTY IN GAUCHER DISEASE: A SAFE, EFFECTIVE PROCEDURE FOR PATIENTS RECEIVING ENZYME REPLACEMENT THERAPY (69)
D Cash
Wrightington Hospital, Wrightington, UK

THE METASUL METAL-ON-METAL ARTICULATION IN PRIMARY TOTAL HIP REPLACEMENT: A MINIMUM 15-YEAR FOLLOW-UP (88)
DL Skinner, MA Imam, EDR Bray, GH Stafford, RE Field
Elective Orthopaedic Centre

28 YEAR CLINICAL AND RADIOLOGICAL FOLLOW-UP OF CROSS-LINKED POLYETHYLENE ON ALUMINA CERAMIC. A PROSPECTIVE STUDY OF A MODIFIED CHARNLEY LOW FRICTIONAL TORQUE ARTHROPLASTY (110)
A Rajpura, BM Wroblewski, P Siney, T Board, H Wynn Jones
Charnley Research Institute, Wrightington Hospital, UK
RESULTS OF A CEMENTED FLANGED ACETABULAR COMPONENT IN PRIMARY TOTAL HIP REPLACEMENT: MINIMUM 10-YEAR FOLLOW-UP (87)

J Maggs¹, A Smeatham¹, J Charity¹, S Whitehouse², GA Gie¹, AJ Timperley¹
¹Princess Elizabeth Orthopaedic Centre, Royal Devon and Exeter Hospital, Exeter, UK, ²Institute of Health and Biomedical Innovation, Queensland University of Technology, Australia

PROGRESSIVE LUCENT LINES FOLLOWING CEMENTED RIMFIT™ CUP INSERTION USING THE RIMCUTTER TECHNIQUE: CAUSE FOR CONCERN? (71)

P Baker
James Cook University Hospital, Middlesbrough, UK

12.15 – 12.30 Presidents Review of the Year

12.30 – 12.40 Discussion and Questions

12.40 – 13.40 LUNCH & POSTER VIEWING

13.45 – 14.30 Presidential Guest Speaker: Dr David G. Lewallen (MAYO Clinic, USA)
New Technology in Hip Surgery: Cures, Casualties and Current Challenges

14.30 – 15.30 PODIUM PRESENTATIONS OF SCIENTIFIC PAPERS
(Primary and Revision THR)

Chairs: Andrew Manktelow and Philip Mitchell

Eight Papers (5 Minutes Presentation + 1 ½ Minutes Q&A + 1 Min. change over)

THE COST OF RUNNING VIRTUAL CLINICS (168)
A Hussein, S Young, A Shepherd, M Faisal
Warwick Hospital, UK

"MIX AND MATCH": THE USE OF COMPONENTS FROM MORE THAN ONE MANUFACTURER IN A THR (103)
K Tucker
Implant Performance Committee NJR

SKINCARE ROUTINES FOR ORTHOPAEDIC SURGEONS: THE BENEFITS OF EXFOLIATION (187)
A Thomas¹, A Wernham², O Cain²
¹The Royal Orthopaedic Hospital, Birmingham, UK ²University Hospital, Birmingham, UK
INCISIONAL NEGATIVE PRESSURE WOUND MANAGEMENT IN PRIMARY HIP AND KNEE REPLACEMENT - A RANDOMISED CONTROLLED TRIAL REPORTING ON WOUND HEALING, LENGTH OF STAY AND WOUND COMPLICATIONS (184)
S Karlakki, N Graham, R Banergee, AK Hamad, C Budhithi, C Whittall
RJAH Orthopaedic Hospital NHS Foundation Trust, Oswestry, United Kingdom

INFECTION RATE AND RISK FACTORS FOLLOWING PRIMARY TOTAL HIP ARTHROPLASTY (133)
AM Ewen, M Almustafa, JV Clarke, F Picard
Golden Jubilee National Hospital

SEVERE FEMORAL OSTEOLYSIS TREATED WITH A CEMENTED CHARNLEY REVISION ARTHROPLASTY. CLINICAL AND RADIOLOGICAL FOLLOW-UP TO 27 YEARS (122)
A Highcock, P Siney, BM Wroblewski, H Wynne Jones, VV Raut
John Charnley Research Institute, Wrightington Hospital, UK

CEMENT IN CEMENT FEMORAL COMPONENT REVISION: MID-TERM RESULTS USING TWO COLLARLESS, TAPERED STEMS (165)
AG Marsh, I Kennedy, A Nisar, S Patil, RMD Meek
Southern General Hospital, Glasgow, Scotland, UK

THE ECONOMIC IMPACT OF PERI-PROSTHETIC HIP FRACTURES – AN 8 YEAR STUDY (53)
AR Jones, T Williams, V Paringe, SP White
University Hospital Wales, Cardiff, UK

15.30 – 16.00 REFRESHMENTS & POSTER VIEWING
16.00 – 17.30 **Topic in Focus III:** Surgeon Level Outcome Data  
**Chairs:** John Skinner & Peter Kay

16.00 – 16.05 **Introduction** – John Skinner

16.05 – 16.15 Who wants to access NJR Data and why?  
**Martyn Porter** (Medical Director NJR)

16.15 – 16.25 Statistical issues with Registry Data: Problems associated with Publication of Individual Surgeon Outcome Data  
**Szilard Nemes** (Head Statistician and Project Manager for the National Hip Arthroplasty Registry, Sweden)

16.25 – 16.35 Identifying Outliers in Clinical Practice  
**Paul Aylin** (Co-Director, Dr Foster Unit, Imperial College. Professor of Epidemiology)

16.35 – 16.45 Does publishing Surgeon Level Outcome Data affect the Doctor - Patient Relationship?  
**Stephen Westaby** (Professor of Cardiothoracic Surgery, Oxford)

16.45 – 16.55 Identifying Potential Outliers. How does the NJR do it?  
**Peter Howard** (Clinical Lead and Chairman Surgeon Performance Committee, NJR)

16.55 – 17.30 Discussion

17.30 – 17.40 Review and Presentation of Prizes  
**Fares Haddad**

17.40 – 17.50 Presidential Handover  
**John Skinner**

17.50 – 18.00 Incoming President’s Comments, Thanks and Meeting Close  
**John Nolan**