Glasgow Meeting of Orthopaedic Research

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Guest Speakers:
Mr James Scott
Professor Jim McKillop
Professor Tim Davis
Professor Peter Kay
Mr Tommy Lindau
Mr Peter Bates
Mr Jim Huntley

The Bone and Joint Journal
GMC Council Member
Nottingham University Hospitals
Wrightington Hospital
Pulvertaft Hand Centre, Derby
The Royal London Hospital
Yorkhill Hospital, Glasgow

Faculty:
Mr David Large
Mr Dominic Meek
Mr Neil Wilson
Mr Gavin Tait
Mr Tim Hems
Mr William Leach
Mr Rashid Abu-Rajab
Mr Andrew Kinninmonth

Ayr Hospital
Southern General Hospital, Glasgow
Yorkhill Hospital, Glasgow
Kilmarnock Hospital
Victoria Infirmary, Glasgow
Western Infirmary, Glasgow
Royal Alexandra Hospital, Paisley
Golden Jubilee National Hospital, Clydebank

Organising committee:
Mr Duncan Macdonald
Mr Stephen Grant
Mr Cameron Elia-Jones
Mr Odhran Murray
Mr Mark Frame
Mr David Russell

West of Scotland Orthopaedic Research Society
Welcome

This is the sixth year of the Glasgow Meeting of Orthopaedic Research and we are fortunate to have internationally renowned speakers from around the United Kingdom.

There have been a record number of research submissions again this year and we are grateful to you all for your hard work. Collaborations between clinical departments and academic units from Glasgow University and the University of Strathclyde have strengthened.

In addition this year, we are lucky enough to have the inaugural presentation of the Ronald McRae prize for the best podium presentation. Mr McRae was a consultant orthopaedic surgeon in the Southern General Hospital. At the time, the Southern was the first hospital in Scotland to carry out hip replacements with Ronald McRae helping to lead the way. During his time as a consultant, he published the pocketbook of Clinical Orthopaedic Examination, now in its fifth edition, Practical Fracture Treatment and several more publications followed, including Practical Surgical Exposures. Mr McRae’s last published work was The Pocketbook of Orthopaedics and Fractures.

He passed away in 2012 and in honour of his memory, we are very fortunate to be in the position to award the Ronald McRae prize this year.

Welcome to GlaMOR 2013!

Mr Dominic Meek
President
West of Scotland Orthopaedic Research Society
Directions

Travel directions to the Beardmore Hotel, Clydebank

Rail, Dalmuir Station

Take a low level train from either Glasgow Queen Street or Central Station to Dalmuir Station. The Beardmore Hotel and Conference Centre is located approximately 10 minutes walk from the station. There are frequent trains running into the city centre and to Loch Lomond, both destinations are approximately a 20 minute journey.

Bus routes

The nearest bus stop is on Dumbarton Road, which is also just a few minutes walk from the hotel. Regular services run towards Glasgow and Dumbarton, Balloch and Helensburgh. From Glasgow city centre you can take the First Glasgow Bus Nos: 66, 204, 205, 215, 216. Please note that the number 62 takes you only as far as the Clydebank bus terminal.

By air

Glasgow International Airport.

Situated at Junction 28a, M8 to the west of Glasgow, the Beardmore Hotel and Conference Centre is approximately a 15 minute drive from the airport. Use M8/M898. Alternatively, there are taxis available at the airport.

Place your own text here.

Packing: 300 space courtesy car park at the front of the hotel

Guest Speakers

Mr James Scott - The Bone and Joint Journal

I qualified in London in 1968, undertook my orthopaedic training at the Middlesex Hospital, the Royal Orthopaedic Hospital, Starmore, and the Robert Jones and Agnes Hunt Orthopaedic Hospital, Oswestry, UK. I spent some time on a Fulbright scholarship at the Orthopaedic Department at Massachusetts General Hospital, Boston, USA. I was a Consultant Orthopaedic Surgeon at the Westminster Hospital and the Chelsie and Westminster Hospital between 1997-2001 and subsequently Deputy Editor and between 2003-2012 Editor of the Bone and Joint Journal (in England and Joint Surgery)

Professor Jim McKillop - GMC Council Member

A Glasgow graduate, Jim was an Orthopaedic Surgeon at Glasgow University from 1989 till 2011. His clinical and research interests were in general medicine, thyroid disease and nuclear medicine. He has had a career-long interest in medical education and was Head of the Undergraduate Medical School in Glasgow from 2000-2006 and Deputy Executive Dean of the Faculty of Medicine from 2007 - 2010. He has been a member of GMC Council since 2009, chairing the GMC Undergraduate Board and the review of Good Medical Practice. He chaired the Scottish Dean’s Medical Education Group from 2005-2009 and the NHS Education for Scotland Medical Advisory Group from 2004 to 2010 and continues as a member of the Board for Academic Medicine in Scotland.

Professor Tim Davis - Nottingham University Hospitals

Tim Davis qualified from Bristol University 1979. He trained as an Orthopaedic Surgeon in the North-East, where he worked in Newcastle, Sunderland, Middlesbrough and Durham. He also spent a year at the Mayo Clinic in Rochester, Minnesota, USA where he developed his interest in Hand Surgery. He was appointed as a Senior Lecturer in Trauma and Orthopaedic Surgery at Nottingham University with Honorary Consultant status in 1991. He took up his present NHS post as a Consultant Orthopaedic and Hand Surgeon at the Nottingham University Hospitals (and subsequently in the Nottingham Treatment Centre) in 1994. Tim was appointed as a Special Professor in Trauma and Orthopaedic Surgery at Nottingham University in 1999 and was Editor of the Journal of Hand Surgery (British and European Volume) during 2000-4. He was President of the British Society for Surgery of the Hand in 2009 and is presently chairman of the Society’s research and Audit Committee.

Professor Peter Kay - Wighton Hospital

Professor Kay is a consultant orthopaedic surgeon at Wighton Hospital, Clinical Professor at the University of Central Lancashire and Senior Lecturer/Reader in Orthopaedics at Manchester University. He was previously consultant in trauma and orthopaedics at North Manchester General and Manchester Children’s Hospitals (1990-98). He trained on the North West training programme with fellows in joint reconstruction and trauma in Stuttgard and joint replacement at Wighton Hospital.

Mr Tommy Lindau - Pulvertaft Hand Centre, Derby

Mr Tommy Lindau qualified from the University of Lund, Sweden in 1985. He became a Consultant Orthopaedic Surgeon in 1992 and was a Specialist Consultant in Hand Surgery in 1997. A doctoral thesis in Hand Surgery titled “Distal radial fractures and effects of associated ligament injuries” was completed in 2000 at the University of Lund, Sweden. He succeeded Prof FD Burke as a Consultant Hand Surgeon at the renowned Pulvertaft Hand Centre, Derby in August 2005. He is the Past President for EWAR (European Wrist Arthroscopy Society) and is currently affiliated to the University of Derby as an Assistant Professor and to University of Bergen, Norway as an Associate Professor. He has written over 40 original articles, reviews and book chapters and has been frequently invited lecturer at various national and international meetings.

Mr Peter Bates - The Royal London Hospital

I am an orthopaedic trauma surgeon working at the new Royal London Hospital site. I do not have an elective practice, unlike most orthopods, since my working week is dedicated entirely to broken bones of some sort or other. My particular interest is pelvic and acetabular fractures, of which we see a large number. I enjoy treating fractures of almost any kind and I particularly like the challenge presented by multiply traumatized patients who have sustained a large number of injuries. Our major trauma centre at the Royal London Hospital is unique in that it has a helipad on the roof, to which the Helicopter brings high-energy trauma from a very large catchment area, meaning that we receive by far the most severely injured spectrum of patients of the four London trauma centres.
Programme

8.15 – 9.00  Registration and refreshments

9.00 – 9.05  Welcome: Mr David Large, West of Scotland Training Programme Director

Chairperson: Mr Neil Wilson

9.05 – 10.25 Research presentations

CUBITUS VARUS FOLLOWING PAEDIATRIC SUPRACONDYLAR HUMERAL FRACTURE. 40-YEAR REVIEW OF THE ROYAL HOSPITAL FOR SICK CHILDREN OF GLASGOW (YORKHILL) EXPERIENCE
J.J. Joseph, N. Wilson
Department of Orthopaedics, Royal Hospital For Sick Children (Yorkhill), Dalmair Street, Glasgow, G3 8SJ

ULTRASONIC BONE CONTOUR EXTRACTION TO REFINE ANATOMIC LANDMARK ACQUISITION IN COMPUTER-ASSISTED MEASUREMENT OF KNEE KINEMATICS
Department of Orthopaedics, Golden Jubilee National Hospital, Agamemnon Street, Clydebank, G81 4DY

HIGH DOSE, DOUBLE ANTIBIOTIC-IMPREGNATED CEMENT REDUCES SURGICAL SITE INFECTION (SSI) IN HIP HEMIARTHROPLASTY – A RANDOMISED CONTROLLED TRIAL OF 848 PATIENTS WITH INTRACAPSULAR NECK OF FEMUR FRACTURES
S. Gupta, C. Jensen, A. Sprowson, S. Chambers, D. Inman, S. Jones, N.M. Aradhyula, M.R. Reed
Department of Trauma & Orthopaedic Surgery, Wansbeck General Hospital, Woodhorn Lane, Ashington, NE63 9JJ

METAL ION LEVELS AND REVISION RATES AFTER METAL ON METAL HIP RESURFACING: A COMPARATIVE COHORT STUDY
P.G. Robinson, A.J. Wilkinson, R.M.D. Meek
Department of Orthopaedics, Southern General Hospital, Govan Road, Glasgow, G51 4TF

THE BERGER PROTOCOL FOR ASSESSING COMPONENT MALROTATION IN TOTAL KNEE ARTHROPLASTY: ANALYSIS OF 69 CASES
V.L. Soon, K. Chirputkar, R. Gaheer, N. Corrigan, F. Picard
Department of Orthopaedics, Golden Jubilee National Hospital, Agamemnon Street, Clydebank, G81 4DY

QUANTITATIVE MEASUREMENT OF MECHANICAL ALIGNMENT AND CORONAL LAXITY DURING EARLY KNEE FLEXION
Department of Orthopaedics, Golden Jubilee National Hospital, Agamemnon Street, Clydebank, G81 4DY

REFINEMENT OF MYOTOME VALUES IN THE UPPER LIMB: EVIDENCE FROM BRACHIAL PLEXUS INJURIES
S.W. Bell, M.J.C. Brown, T.J. Hems
Department of Orthopaedics, Victoria Infirmary, Langside Road, Glasgow, G42 9TY

PROCEDURE BASED ASSESSMENTS IN TRAUMA AND ORTHOPAEDIC TRAINING IN THE UK: SUGGESTIONS FOR CHANGE
A. Hunter, E.J. Baird, M. Reed
Department of Orthopaedics, Royal Children For Sick Children (Yorkhill), Dalmair Street, Glasgow, G3 8SJ

THE IMPACT OF NANOTOPOGRAPHY ON BONE REMODELLING ASSESSED USING NOVEL OSTEOLAST/OSTEOCLAST CO-CULTURES
P.S. Young, R.M.D. Meek, N. Gadeqaard, M.J. Dalby
Centre for Cell Engineering, University of Glasgow, University Avenue, Glasgow, G12 8QQ

9.15 – 10.00 Research presentations

Chairperson: Mr Neil Wilson

10.25 – 10.50 Refreshments, trade show and poster exhibition

10.50 – 12.10 Research presentations

Chairperson: Mr Gavin Tail
GlaMOR Poster Presentations

A SIMPLE WAY TO CHECK THE TIP-APEX DISTANCE IN INTERROCHANTERIC FEMORAL FRACTURES TREATED BY DYNAMIC HIP SCREW
M. Chambers, C. Diffin, L. Cambon, J. Roberts, M. Kelly
Department of Orthopaedics, Western Infirmary, Dumbarton Road, Glasgow, G11 6NT

THE PROXIMITY OF THE FEMORAL NERVE TO THE ANTERIOR ACETABULUM ON CADAVERIC AND RADIOLOGICAL ASSESSMENT
F.A. McConaghy1, A.P. Payne1, A.W.G Kinninmonth2
1. Laboratory of Human Anatomy, University of Glasgow, Glasgow, G12 8QQ
2. Department of Orthopaedics, Golden Jubilee National Hospital, Agamemon Street, Clydebank, G81 4DX

A PROSPECTIVE ASSESSMENT OF THE CALEDONIAN TECHNIQUE FOR TOTAL KNEE ARTHROPLASTY IN A DISTRICT GENERAL HOSPITAL USING PATIENT RELATED OUTCOME MEASURES
M. McLean, R. Dolan, E. Jack, M. Hendrix
Department of Orthopaedics, Forth Valley Royal Hospital, Stirling Road, Larbert, FK5 4WR

COMPLIANCE WITH OUTPATIENT LOW MOLECULAR WEIGHT HEPARIN THROMBOPROPHYLAXIS AFTER TOTAL HIP ARTHROPLASTY IN A DISTRICT GENERAL HOSPITAL
S.H. Van, J.A. Gillespie, M. Agarwal
Department of Orthopaedics, Monklands Hospital, Monkscourt Avenue, Airdrie, ML6 0JS

A COMPARISON OF SODIUM HYALURONATE AND METHYLPHENIDYLISOLENE IN THE SYMPTOMATIC TREATMENT OF BASE OF THUMB OSTEOARTHRITIS
S. Mine, K. Platt, M. Chambers, N. Husain
Department of Orthopaedics, Western Infirmary, Dumbarton Road, Glasgow, G11 6NT

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HAEMOGLOBIN A1C IN PATIENTS UNDERGOING SURGERY FOR STENOSING FLEXOR TENOSYNOVITIS
A. Winter, H. Bradman, A. Hayward, S. Gibson
Department of Orthopaedics, Ayr Hospital, Dalmellington Road, Ayr, KA6 9YD

COMPLICATIONS AND RE-OPERATION RATES AFTER REVISION TOTAL KNEE REPLACEMENT (TKR)
A. Singh, D. Nicoll
Department of Orthopaedics, Ayr Hospital, Dalmellington Road, Ayr, KA6 9YD

XIAPEX: PRELIMINARY RESULTS FROM A DISTRICT GENERAL
C. Elias-Jones, C. MacLeod
Department of Orthopaedics, Crosshouse Hospital, Kilmarnock Road, Kilmarnock, KA2 0BE

POSTERIOR SOFT TISSUE REPAIR IN TOTAL HIP ARTHROPLASTY: A SIMPLE AND CHEAP SUTURE PASSING TECHNIQUE
C. Diffin, M. Chambers, L. Cambon, J. Roberts
Department of Orthopaedics, Western Infirmary, Dumbarton Road, Glasgow, G11 6NT

EXCHANGE NAILING OF BENT INTRAMEDULLARY TIBIAL NAIL CASE REPORT
F. Welsh, D. Martin
Department of Orthopaedics, Southern General Hospital, Govan Road, Glasgow G51 4TF

STREAMLINING THE PERI-OPERATIVE ORTHOPAEDIC PATIENT FLOW
F.K.M. Dean, H. Sharma
Department of Orthopaedics, Western Infirmary, Dumbarton Road, Glasgow, G11 6NT

AN UNEXPECTED CHANCE TO PRACTICE NOTES
J.A. Gillespie, I.P. McLean
Department of Orthopaedics, Forth Valley Royal Hospital, Stirling Road, Larbert, FK5 4WR

Programme

DOES THE ENHANCED RECOVERY PROTOCOL FOR TOTAL KNEE REPLACEMENT HAVE ANY EFFECT ON RENAL FUNCTION?
P.Gooley, R. Kakar, S.L. Chitnis
Department of Orthopaedics, Royal Alexandra Hospital, Corsebar Road, Paisley, PA2 9PN

OUTCOMES OF TOTAL KNEE REPLACEMENT AMONGST ETHNIC MINORITIES IN THE UNITED KINGDOM: A CASE CONTROLLED STUDY
B. Jamal, G. Reid, L. Hony, A. Mohammed
Department of Orthopaedics, Southern General Hospital, Govan Road, Glasgow, G51 4TF

ENHANCED OSTEOGENESIS ON PEEK POLYMER USING NANOPATTERNING AND OXYGEN PLASMA TREATMENT
A.S. Brydone, D.S.S. Morrison, R.M.D. Meek, M.J. Dalby, N. Gadegaard
Biomedical Engineering Research Division, University of Glasgow, G12 8LS

ISOLATED GREATER TUBEROSITY FRACTURE STABILITY AND ASSOCIATION WITH DISLOCATION
T.M. Harding, R. Dolan, S. Hannah, I. Anthony, R. Halifax, A. Brookesbank
Department of Orthopaedics, Glasgow Royal Infirmary, 84 Castle Street, Glasgow, G4 0SF

THIRTY DAY MORTALITY AFTER ELECTIVE HIP AND KNEE ARTHROPLASTY
E. Smith, M. Manu, A. Siegemeth
Department of Orthopaedics, Golden Jubilee National Hospital, Agamenson Street, Glasgow, G4 0SF

CLINICAL OUTCOME STUDY OF KNEE BRACING IN THE MANAGEMENT OF OSTEOARTHRITIS OF KNEE- A PROSPECTIVE AND RETROSPECTIVE STUDY
S. Walkay, M. Buchanan
Department of Orthopaedics, Inverclyde Royal Hospital, Larkfield Road, Greenock, PA16 0XN

ONE YEAR REVIEW OF NURSE-LED TIBIAL NAIL CLINIC
E. Sharp, C. Cree, A.D. Maclean
Department of Orthopaedics, Glasgow Royal Infirmary, 84 Castle Street, Glasgow, G4 0SF

WHAT DO SCOTTISH PATIENTS EXPECT FROM THEIR TOTAL HIP AND KNEE ARTHROPLASTIES?
Department of Orthopaedics, Golden Jubilee National Hospital, Agamenson Street, Clydebank, G81 4DY

Invited Presentations

12.10 – 12.20 Mr Jim Huntley: ‘Publish or perish - the danger of being young and in a hurry’
12.20 – 12.50 Mr James Scott: ‘How to get a paper published’
12.50 – 13.00 Award of Ronald McRae Prize
13.00 – 13.45 Lunch

Chairman: Mr Dominic Meek
13.45 – 14.10 Professor Jim McKillop: ‘Setting and ensuring professional standards’
14.35 – 15.00 Professor Peter Kay: ‘Managing infection in joint arthroplasty’
15.00 – 15.15 Refreshments, trade show and poster exhibition
15.15 – 15.45 Peter Bates: ‘Hub and spoke: London model’
15.45 – 16.15 Professor Tim RC Davis Hunterian Lecture: ‘Acute scaphoid waist fractures - Prediction of outcome with non-operative treatment’
16.15 – 16.20 Thanks and closing remarks
**GlaMOR Poster Presentations**

**POSTER GROUP A**

- **‘ROCK, PAPER, SCISSORS, OK’: INTRODUCTION OF A SIMPLE GUIDELINE TO IMPROVE NEUROLOGICAL ASSESSMENT IN PAEDIATRIC PATIENTS PRESENTING WITH UPPER LIMB FRACTURES**
  A.G. Marsh, J. Robertson, A. Godman, J. Boyle, J. Hunter
  Department of Orthopaedics, Royal Hospital of Sick Children (Yorkhill), Dalnair Street, Glasgow, G3 8SJ

- **LIMB PRESERVATION SYSTEM FOR SALVAGE OF FAILED REVISION TOTAL HIP ARTHROPLASTY**
  A.G. Marsh, A. Nisan, S. Patil, R.M.D. Meek
  Department of Orthopaedics, Southern General Hospital, Govan Road, Glasgow, G51 4TF

- **ANALGESIC PROTOCOLS FOR PATIENTS UNDERGOING DAY CASE ARTHROSCOPIC SHOULDER SURGERY IN A DISTRICT GENERAL HOSPITAL**
  A. Hayward, K. Cheng, D. Wallace, O. Bailey, A. Winter
  Department of Orthopaedics, Ayr Hospital, Dalmellington Road, Ayr, KA6 6DX

- **OUTCOMES OF A PROSPECTIVE OPEN-LABEL INVESTIGATION OF THE NON-SURGICAL TREATMENT OF DUPUYTREN’S CONTRACTURE WITH COLLAGENASE CLOSTRIDIUM HISTOLYTICUM – XIAPEX**
  V.L. Soon, A.H. Deakin, M. Sarungi, D.A. McDonald

- **INTRA-OPERATIVE CELL SALVAGE IN REVISION HIP SURGERY**
  J.M. Reid, J. Joseph, M. McGarvey, P. Tsimbouri, A. Bennett, R.M.D. Meek, A. Morrison
  Department of Orthopaedics, Southern General Hospital, Govan Road, Glasgow, G51 4TF

- **REVISION SURGERY AFTER CHEILECTOMY OF THE BIG TOE MTPJ**
  Z. Kazzi, A. J. Mackie,
  Department of Orthopaedics, Darlington Memorial Hospital, Hollyhurst Road, Darlington, DL3 8RX

- **MODELLING THE EFFECT OF BONE RESECTION AND SOFT TISSUE RELEASES IN CORRECTING FLEXION CONTRACTURES IN TOTAL KNEE ARTHROPLASTY**
  M. Changulani, B. Sankar, A.H. Deakin, F. Picard
  Department of Orthopaedics, Golden Jubilee National Hospital, Agamonhill, Clydebank, G81 4DY

- **COMPARATIVE OUTCOME OF THE SECOND SIDE WHEN UNDERGOING STAGED BILATERAL TOTAL KNEE ARTHROPLASTY**
  S.G. Abram, S.J. Spencer
  Department of Orthopaedics, Southern General Hospital, Govan Road, Glasgow, G51 4TF

- **LOW COST ORTHOPAEDIC IMPLANT TRIALS CREATED USING 3D PRINTING TECHNOLOGY**
  M. C. Frame, B. Jones
  Department of Orthopaedics, Glasgow Royal Infirmary, 84 Castle Street, Glasgow, G4 0SF

- **INACTIVATION OF MICROORGANISMS ISOLATED FROM INFECTED ARTHROPLASTY USING HIGH INTENSITY NARROW SPECTRUM (HINS) LIGHT**
  S. Gupta, M. Maclean, J.G. Anderson, S.J. MacGregor, R.M.D. Meek, M.H. Grant
  Department of Orthopaedics, Southern General Hospital, Govan Road, Glasgow, G51 4TF

- **A NATIONAL QUESTIONNAIRE SURVEY ON KNEE MANIPULATION FOLLOWING TOTAL KNEE ARTHROPLASTY**
  S.H. Yun, F. Jabbar, A. Son, S. Sharif, S. Simha, A.C. Campbell
  Department of Orthopaedics, Monklands Hospital, Monkscourt Avenue, Airdrie, ML6 6JS

- **PROJECTED DEMANDS FOR PRIMARY AND REVISION LOWER LIMB ARTHROPLASTY IN SCOTLAND FROM 2010 TO 2035**
  V.L. Soon, A.H. Deakin, M. Sarungi, D.A. McDonald
  Department of Orthopaedics, Golden Jubilee National Hospital, Agamonhill, Clydebank, G81 4DY

**GlaMOR Poster Presentations**

- **A NEW APPROACH TO TERTIARY SARCOMA SERVICES**
  D.T. Wallace, M. J. Jane, H. Findlay, A. Mahendra
  Department of Orthopaedic Oncology, Glasgow Royal Infirmary, 84 Castle Street, Glasgow, G4 0SF

- **TWENTY-YEAR RESULTS OF THE UNCEMENTED LOW CONTACT STRESS TOTAL KNEE REPLACEMENT IN PATIENTS WITH RHEUMATOID ARTHRITIS**
  S.G. Abazam, F. Neat, M.G. Hulme, S.J. Spencer
  Department of Orthopaedics, Southern General Hospital, Govan Road, Glasgow, G51 4TF

- **HEMARTHROPLASTY FOR HIP FRACTURE – DOES CEMENT INCREASE MORTALITY?**
  Department of Orthopaedics, Crosshouse Hospital, Kilmarnock Road, Kilmarnock, KA2 0BE

- **NON-INVASIVE, NON-RADIATIONAL QUANTIFICATION ANTEROPOSTERIOR KNEE JOINT LIGAMENTOUS LAXITY**
  Department of Orthopaedics, Golden Jubilee National Hospital, Agamonhill, Clydebank, G81 4DY

**POSTER GROUP B**

- **HIP RESURFACING: TRUTH BEHIND THE HYPE: A DISTRICT GENERAL HOSPITAL EXPERIENCE**
  S.R. Challagundla, S. Sheevenue
  Department of Orthopaedics, Dumfries and Galloway Royal Infirmary, Bankend Road, Dumfries, DG1 4AP

- **THE TORNIER AEQUALIS REVERSE SHOULDER REPLACEMENT: A SINGLE-CENTRE STUDY OF THE FIRST 25 PROCEDURES**
  C. Dury, C. Elson-Jones, G. Tait
  Department of Orthopaedics, Crosshouse Hospital, Kilmarnock Road, Kilmarnock, KA2 0BE

- **CARPAL TUNNEL SYNDROME, NERVE CONDUCTION STUDIES AND STEROID INJECTIONS IN THE MANAGEMENT OF CARPAL TUNNEL SYNDROME IN A DISTRICT GENERAL HOSPITAL**
  R. Dolan, L. Burns, J. Lindsay
  Department of Orthopaedics, Forth Valley Royal Hospital, Stirling Road, Larbert, FK5 4WR

- **DIGITAL RADIOGRAPHS – UNDER THE MAGNIFYING GLASS**
  F. Mahmood, M Davison
  Department of Orthopaedics, Glasgow Royal Infirmary, 84 Castle Street, Glasgow, G4 0SF

- **INFLUENCE OF AGE ON FUNCTIONAL OUTCOME OF TOTAL KNEE ARTHROPLASTY**
  F. Welsh, M. Blyth
  Department of Orthopaedics, Glasgow Royal Infirmary, 84 Castle Street, Glasgow, G4 0SF

- **TELEPHONE REVIEW OF ORTHOPAEDIC PATIENTS – ACCEPTABLE AND EFFICIENT**
  F. Dean, D.T. Wallace, A.G. Muirhead
  Department of Orthopaedics, Ayr Hospital, Dalmellington Road, Ayr, KA6 6DX

- **ABOVE Vs BELOW ELBOW CASTS FOLLOWING MANIPULATION OF PAEDIATRIC FOREARM FRACTURES – IS THE EXISTING LITERATURE CONSISTENT WITH OUR EXPERIENCE?**
  J.A. Fraser-Moodie, S. Bell, J.S. Huntley
  Department of Orthopaedics, Royal Hospital of Sick Children (Yorkhill), Dalnair Street, Glasgow, G3 8SJ

- **THUMB METACARPOPHALANGEAL JOINT ARTHRODESIS – IS THERE A ROLE FOR INTRA-OPERATIVE IMAGING?**
  J.A. Fraser-Moodie, Y.M. Goh, S.J. Barnes
  Department of Orthopaedics, Inverclyde Royal Hospital, Larkfield Road, Greenock, PA16 0DN

- **FIFTH METATARSAL FRACTURES – IS ROUTINE FOLLOW-UP NECESSARY?**
  K.B. Ferguson, J. McGlynn, C.S. Kumar, N.J. Madeley and L. Rymaszewski
  Department of Orthopaedics, Golden Jubilee National Hospital, Agamonhill, Clydebank, G81 4DY

- **THE IMPACT OF RAYNAUD’S PHENOMENON ON QUALITY OF LIFE IN SUGARBEET WORKERS**
  T. Salo, S. Tynkkynen, A. Hakala
  Department of Orthopaedics, Turku University, Turku, Finland

- **A 10 YEAR FOLLOW UP OF THE ORINCOXIS METatarsal NAIL SYSTEM**
  M. A. A. Farid, N. F. Khoo, B. A. Hall
  Department of Orthopaedics, Royal Infirmary of Edinburgh, Queen’s Park, Edinburgh, EH12 9TE

- **THE ELECTROGRAPHIC ASSESSMENT OF DOWNS AND DOWNS SYNDROME PATIENTS UNDERGOING TOTAL KNEE ARTHROPLASTY**
  J. A. Smith, T. Dowling, A. J. W. H. Smith
  Department of Orthopaedics, Royal Infirmary of Edinburgh, Queen’s Park, Edinburgh, EH12 9TE
GlaMOR Poster Presentations

A SIMPLE WAY TO CHECK THE TIP-APEX DISTANCE IN INTERTROCHANTERIC FEMORAL FRACTURES TREATED BY DYNAMIC HIP SCREW
M. Chambers, C. Diffin, L. Campton, J. Roberts, M. Kelly
Department of Orthopaedics, Western Infirmary, Dumbarton Road, Glasgow, G11 6NT

THE PROXIMITY OF THE FEMORAL NERVE TO THE ANTERIOR ABDOMINAL WALL DURING LAPAROSCOPIC SURGERY IN PATIENTS WITH PELVIS FRACTURES AT THE Ayr Hospital
J. Diffin, L. Campton, J. Roberts
Department of Orthopaedics, Ayr Hospital, Dalmellington Road, Ayr, KA6 6DX

THE PROXIMITY OF THE FEMORAL NERVE TO THE ANTERIOR ACETABULUM ON CADACERIE AND RADIOLOGICAL ASSESSMENT
F.A. McConaghie1, A.P. Payne1, A.W.G Kinninmonth2
1. Laboratory of Human Anatomy, University of Glasgow, Glasgow, G12 8QQ
2. Department of Orthopaedics, Golden Jubilee National Hospital, Agamemnon Street, Clydebank, G81 4HX

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M. McLean, R. Dolan, E. Jack, M. Hendrix
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ARThROPlasty In A DistricT General HospiTal
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S. Mine, K. Platt, M. Chambers, N. Hussein
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C. Diffin, M. Chambers, L. Campton, J. Roberts
Department of Orthopaedics, Western Infirmary, Dumbarton Road, Glasgow, G11 6NT

EXCHANGE NAILING OF INTRAMEDULLARY TIBIAL NAIL CASE REPORT
F. Welsh, D. Martin
Department of Orthopaedics, Southern General Hospital, Govan Road, Glasgow G51 4TF

STREAMLINING THE PERI-OPERATIVE ORTHOPAEDIC PATIENT FLOW
F.K.M. Dean, H. Sharma
Department of Orthopaedics, Western Infirmary, Dumbarton Road, Glasgow, G11 6NT

AN UNEXPECTED CHANCE TO PRACTICE NOTES
J.A. Gillespie, I.P. McLean
Department of Orthopaedics, Forth Valley Royal Hospital, Stirling Road, Larbert, FK5 4WR

Programme

DOES THE ENHANCED RECOVERY PROTOCOL FOR TOTAL KNEE REPLACEMENT HAVE ANY EFFECT ON RENAL FUNCTION?
P. Gooley, R. Kakar, S.L. Chitnis
Department of Orthopaedics, Royal Alexandra Hospital, Crossbarrow Road, Paisley, PA2 9PN

OUTCOMES OF TOTAL KNEE REPLACEMENT AMONGST ETHNIC MINORITIES IN THE UNITED KINGDOM: A CASE CONTROLLED STUDY
B. Jamal, G. Reid, L. Horey, A. Mohammed
Department of Orthopaedics, Southern General Hospital, Govan Road, Glasgow, G51 4TF

ENHANCED OSTEOGENESIS ON PEEK POLYMER USING NANOPATTERNING AND OXYGEN PLASMA TREATMENT
A.S. Brydene, D.S.S. Morrison, R.M.D. Meek, M.J. Dalby, N. Gadegaard
Biomedical Engineering Research Division, University of Glasgow, G12 8LS

ISOLATED GREATER TUBEROSITY FRACTURE STABILITY AND ASSOCIATION WITH DISLOCATION
T.M. Harding, R. Dolan, S. Hannah, I. Anthony, R. Halfizia, A. Brooksbank
Department of Orthopaedics, Glasgow Royal Infirmary, 84 Castle Street, Glasgow, G4 0SF

THIRTY DAY MORTALITY AFTER ELECTIVE HIP AND KNEE ARTHROPLASTY
E. Smith, M. Manu, A. Siegmeth
Department of Orthopaedics, Golden Jubilee National Hospital, Agamemnon Street, Glasgow, G4 0SF

CLINICAL OUTCOME STUDY OF KNEE BRACING IN THE MANAGEMENT OF OSTEOARTHRITIS OF KNEE: A PROSPECTIVE AND RETROSPECTIVE STUDY
S. Walkay, M. Buchan
Department of Orthopaedics, Inverclyde Royal Hospital, Larkfield Road, Greenock, PA16 0XN

ONE YEAR REVIEW OF NURSE-LED TIBIAL NAIL CLINIC
E. Sharp, C. Cree, A.D. Maclean
Department of Orthopaedics, Glasgow Royal Infirmary, 84 Castle Street, Glasgow, G4 0SF

WHAT DO SCOTTISH PATIENTS EXPECT FROM THEIR TOTAL HIP AND KNEE ARTHROPLASTIES?
Department of Orthopaedics, Golden Jubilee National Hospital, Agamemnon Street, Clydebank, G81 4DY

Invited Presentations
12.10 – 12.20 Mr Jim Huntley: ‘Publish or perish - the danger of being young and in a hurry’
12.20 – 12.50 Mr James Scott: ‘How to get a paper published’
12.50 – 13.00 Award of Ronald McRae Prize
13.00 – 13.45 Lunch
13.45 – 14.10 Professor Jim McKillop: ‘Setting and ensuring professional standards’
14.35 – 15.00 Professor Peter Kay: ‘Managing infection in joint arthroplasty’
15.00 – 15.15 Refreshments, trade show and poster exhibition
15.15 – 15.45 Peter Bates: ‘Hub and spoke: London model’
15.45 – 16.15 Professor Tim RC Davis Hunterian Lecture: ‘Acute scaphoid waist fractures – Prediction of outcome with non-operative treatment’
16.15 – 16.20 Thanks and closing remarks
Programme

8.15 – 9.00 Registration and refreshments

9.00 – 9.05 Welcome: Mr David Large, West of Scotland Training Programme Director

Chairperson: Mr Neil Wilson

9.05 – 10.25 Research presentations

CUBITUS VARUS FOLLOWING PAEDIATRIC SUPRACONDYLAR HUMERAL FRACTURE. 40-YEAR REVIEW OF THE ROYAL HOSPITAL FOR SICK CHILDREN OF GLASGOW (YORKHILL) EXPERIENCE

J.J. Joseph, N. Wilson
Department of Orthopaedics, Royal Hospital For Sick Children (Yorkhill), Dalmair Street, Glasgow, G3 8SJ

ULTRASONIC BONE CONTOUR EXTRACTION TO REFINE ANATOMIC LANDMARK ACQUISITION IN COMPUTER-ASSISTED MEASUREMENT OF KNEE KINEMATICS

Department of Orthopaedics, Golden Jubilee National Hospital, Agamemnon Street, Clydebank, G81 4DY

HIGH DOSE, DOUBLE ANTIBIOTIC-IMPREGNATED CEMENT REDUCES SURGICAL SITE INFECTION (SSI) IN HIP HEMIARTHROPLASTY – A RANDOMISED CONTROLLED TRIAL OF 848 PATIENTS WITH INTRACAPSULAR NECK OF FEMUR FRACTURES

S. Gupta, C. Jensen, A. Sprowson, S. Chambers, D. Inman, S. Jones, N.M. Aradhyula, M.R. Reed
Department of Trauma & Orthopaedic Surgery, Wansbeck General Hospital, Woodhorn Lane, Ashington, NE63 9JJ

METAL ION LEVELS AND REVISION RATES AFTER METAL ON METAL HIP RESURFACINGS: A COMPARATIVE COHORT STUDY

P.G. Robinson, A.J. Wilkinson, R.M.D. Meek
Department of Orthopaedics, Southern General Hospital, Govan Road, Glasgow, G51 4TF

THE BERGER PROTOCOL FOR ASSESSING COMPONENT MALROTATION IN TOTAL KNEE ARTHROPLASTY: ANALYSIS OF 69 CASES

V.L. Soon, K. Chirputkar, R. Gahaer, N. Corrigan, F. Picard
Department of Orthopaedics, Golden Jubilee National Hospital, Agamemnon Street, Clydebank, G81 4DY

QUANTITATIVE MEASUREMENT OF MECHANICAL ALIGNMENT AND CORONAL LAXITY DURING EARLY KNEE FLEXION

D.F. Russell, A.H. Deakin, Q.A. Fogg and F. Picard
Department of Orthopaedics, Golden Jubilee National Hospital, Agamemnon Street, Clydebank, G81 4DY

REFINEMENT OF MYOTOME VALUES IN THE UPPER LIMB: EVIDENCE FROM BRACHIAL PlexUS INJURIES

S.W. Bell, M.J.C. Brown, T.J. Hems
Department of Orthopaedics, Victoria Infirmary, Langside Road, Glasgow, G42 9TY

PROCEDURE BASED ASSESSMENTS IN TRAUMA AND ORTHOPAEDIC TRAINING IN THE UK: SUGGESTIONS FOR CHANGE

A. Hunter, E.J. Baird, M. Reed
Department of Orthopaedics, Royal Infirmary For Sick Children (Yorkhill), Dalmair Street, Glasgow, G3 8SJ

THE IMPACT OF NANOTOPOGRAPHY ON BONE REMODELLING ASSESSED USING NOVEL OSTEOBLAST/OSTEOCLAST CO-CULTURES

P.S. Young, R.M.D. Meek, N. Gadegaard, M.J. Dalby
Centre for Cell Engineering, University of Glasgow, University Avenue, Glasgow, G12 8QQ

10.25 – 10.50 Refreshments, trade show and poster exhibition

10.50 – 12.10 Research presentations

Chairperson: Mr Gavin Tait

GlaMOR Poster Presentations

THE CASE FOR A NATIONAL CODE FOR MOUNTAIN BIKE INJURIES

J.A. Gillespie, P.D. Ferdinand
Department of Orthopaedics, Dumfries and Galloway Royal Infirmary, Bankhead Road, Dumfries, DG1 4AP

TIP APEX DISTANCE IN PERITROCHANTERIC FEMUR FRACTURES

H. Bradman, A. Winter
Department of Orthopaedics, Ayr Hospital, Dalmellington Road, Ayr, KA6 6DX

SENSITIVITY, SPECIFICITY AND PRECISION OF MRI AT DIAGNOSIS OF MENISCUS TEARS

J. Milhethwa, A. Hawkins
Department of Orthopaedics, Dumfries and Galloway Royal Infirmary, Bankhead Road, Dumfries, DG1 4AP

USE OF CEMENTED HEMIARTHROPLASTY IN FEMORAL NECK FRACTURE

Department of Orthopaedics, Southern General Hospital, Govan Road, Glasgow G51 4TF

INCIDENCE OF WOUND COMPLICATIONS IN FOOT AND ANKLE SURGERY – A PROSPECTIVE STUDY

A. Mackie, Z. Kazi, K. Shah
Department of Orthopaedics, Darlington Memorial Hospital, Hollyhurst Road, Darlington, DL3 6HX

BLEEP ETIQUETTE: AN AUDIT OF HOSPITAL COMMUNICATION

N. Soberras, J. Patterson, D MacDonald
Department of Orthopaedics, Royal Alexandra Hospital, Corsebar Road, Paisley, PA2 9PN

IS THE PATIENT FIT FOR THEATRE? - AUDIT REPORT ON DELAYS DUE TO MEDICAL FITNESS IN HIP FRACTURE PATIENTS

Department of Orthopaedics, Monklands Hospital, Monkscourt Avenue, Airdrie, ML6 0JS

AN IlioPSOAS MUSCLE ABCESS MASQUERADING AS SCIATICA: A CASE REPORT

D.W. Shields, P.G. Robinson
Department of Orthopaedics, Glasgow Royal Infirmary, 84 Castle Street, Glasgow, G4 0SF

GROSS TOTAL KNEE REPLACEMENT INSTABILITY RESULTING FROM A MEDIAL FEMORAL CONDYLE EXOSTOSIS: A CASE REPORT

F. Mahmood, N. K reveal, M Hendrix
Department of Orthopaedics, Forth Valley Royal Hospital, Stirling Road, Larbert, FK5 4WR

SHORT-TERM OUTCOME OF ARTHROSCOPIC DEBRIDEMENT AND WASHOUT FOR SYMPTOMATIC KNEE OSTEOARTHRITIS

J. Milhethwa, A. Hawkins
Department of Orthopaedics, Dumfries and Galloway Royal Infirmary, Bankhead Road, Dumfries, DG1 4AP
Directions

Travel directions to the Beardmore Hotel, Clydebank

Rail, Dalmuir Station

Take a low level train from either Glasgow Queen Street or Central Station to Dalmuir Station. The Beardmore Hotel and Conference Centre is approximately a 15 minute drive from the airport. Use M8/M898. Alternatively, there are taxis available at the airport.

By air

Glasgow International Airport.

Situated at Junction 28a, M8 to the west of Glasgow, the Beardmore Hotel and Conference Centre is approximately a 15 minute drive from the airport. Use M8/M898. Alternatively, there are taxis available at the airport.

Bus routes

The nearest bus stop is on Dumbarton Road, which is also just a few minutes walk from the hotel. Regular services run towards Glasgow and Dumbarton, Balloch and Helensburgh. From Glasgow city centre you can take the First Glasgow Bus Nos: 66, 204, 205, 215, 216. Please note that the number 62 takes you only as far as the Clydebank bus terminal.

By courtesy transfer: The Beardmore Hotel and Conference Centre offers a courtesy transfer to Glasgow International Airport. This is available on request and subject to availability.

Parking: 300 space courtesy car park at the front of the hotel

Guest Speakers

Mr James Scott - The Bone and Joint Journal

I qualified in London in 1968, undertook my orthopaedic training at the Middlesex Hospital, the Royal Orthopaedic Hospital, Starmore, and the Robert Jones and Agnes Hunt Orthopaedic Hospital, Oswestry, UK. I spent some time on a Fulbright scholarship at the Orthopaedic Department at Massachusetts General Hospital, Boston, USA. I was a Consultant Orthopaedic Surgeon at the Westminster Hospital and the Chelsea and Westminster Hospital between 1977-2001 and subsequently Deputy Editor and between 2003-2012 Editor of the Bone and Joint Journal (formerly Journal of Bone and Joint Surgery).

Professor Jim McKillop - GMC Council Member

A Glasgow graduate, Jim was Medical Director of Glasgow University from 1989 till 2011. His clinical and research interests were in general medicine, thyroid disease and nuclear medicine. He has had a career long interest in medical education and was Head of the Undergraduate Medical School in Glasgow from 2000-2006 and Deputy Executive Dean of the Faculty of Medicine from 2007 - 2010. He has been a member of GMC Council since 2009, chairing the GMC Undergraduate Board and the review of Good Medical Practice. He chaired the Scottish Dean's' Medical Education Group from 2005-2009 and the NHS Education for Scotland Medical Advisory Group from 2004 to 2010 and continues as a member of the Board for Academic Medicine in Scotland.

Professor Tim Davis - Nottingham University Hospitals

Tim Davis qualified from Bristol University 1979. He trained as an Orthopaedic Surgeon in the North-East, where he worked in Newcastle, Sunderland, Middlesbrough and Durham. He also spent a year at the Mayo Clinic in Rochester, Minnesota, USA where he developed his interest in Hand Surgery. He was appointed as a Senior Lecturer in Trauma and Orthopaedic Surgery at Nottingham University with Honorary Consultant status in 1991. He took up his present NHS post as a Consultant Orthopaedic and Hand Surgeon at the Nottingham University Hospitals and subsequently in the Nottingham Treatment Centre in 1994. Tim was appointed as a Special Professor in Trauma and Orthopaedic Surgery at Nottingham University in 1999 and was Editor of the Journal of Hand Surgery (British and European Volume) during 2000-04. He was President of the British Society for Surgery of the Hand in 2009 and is presently chairman of the Society's research and Audit committee.

Professor Peter Kay - Wrigthington Hospital

Professor Kay is a consultant orthopaedic surgeon at Wrigthington Hospital, Clinical Professor at the University of Central Lancashire and Senior Lecturer/Reader in Orthopaedics at Manchester University. He was previously consultant in trauma and orthopaedics at North Manchester General and Manchester Children's Hospitals (1990-98). He trained on the North West training programme with colleagues in joint reconstruction and trauma in Stuttgart and joint replacement at Wrigthington Hospital. He is a fellow and elected council member of the Royal College of Surgeons of England. He served as President of both the British Orthopaedic Association (2011) and the British Hip Society (2008). He works on numerous National and Regional committees and is currently working with NICE to develop guidelines for the treatment of osteoarthritis. His clinical interests lie in hip and knee replacement surgery, revision joint replacement surgery for loosening and infection, and knee arthroscopy. He runs one of the largest joint replacement practices in the UK. Professor Kay has made over 800 publications and presentations as part of his interest in research into joint replacement, general orthopaedics and trauma. He has also published and presented on health service management, modernisation and the medicico-legal aspects of the practice of trauma and orthopaedics.

Mr Tommy Lindau - Pulvertaft Hand Centre, Derby

Mr Tommy Lindau qualified from the University of Lund, Sweden in 1985. He became a Consultant Orthopaedic Surgeon in 1992 and a Certified Specialist in Hand Surgery in 1997. A doctoral thesis in Hand Surgery titled "Distal radial fractures and effects of associated ligament injuries" was completed in 2000 at the University of Lund, Sweden. He succeeded Prof FD Burke as a Consultant Hand Surgeon at the renowned Pulvertaft Hand Centre, Derby in August 2005. He is the Past President for EWAS (European Wrist Arthroscopy Society) and is currently affiliated to the University of Derby as an Assistant Professor and to University of Bergen, Norway as an Associate Professor. He has written over 40 original articles, reviews and book chapters and has been frequently invited lecturer at various national and international meetings.

Mr Peter Bates - The Royal London Hospital

I am an orthopaedic trauma surgeon working at the new Royal London Hospital site. I do not have an elective practice, unlike most orthopaedists, since my working week is dedicated entirely to broken bones of some sort or other. My particular interest is pelvic and acetabular fractures, of which we see a large number. I enjoy treating fractures of almost any kind and I particularly like the challenge presented by multiply traumatised patients who have sustained a large number of injuries. Our major trauma centre at the Royal London Hospital is unique in that it has a helipad on the roof, to which the helicopter brings high-energy trauma from a very large catchment area, meaning that we receive by far the most severely injured spectrum of patients of the four London trauma centres.

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Welcome

This is the sixth year of the Glasgow Meeting of Orthopaedic Research and we are fortunate to have internationally renowned speakers from around the United Kingdom.

There have been a record number of research submissions again this year and we are grateful to you all for your hard work. Collaborations between clinical departments and academic units from Glasgow University and the University of Strathclyde have strengthened.

In addition this year, we are lucky enough to have the inaugural presentation of the Ronald McRae prize for the best podium presentation. Mr McRae was a consultant orthopaedic surgeon in the Southern General Hospital. At the time, the Southern was the first hospital in Scotland to carry out hip replacements with Ronald McRae helping to lead the way. During his time as a consultant, he published the pocketbook of Clinical Orthopaedic Examination, now in its fifth edition, Practical Fracture Treatment and several more publications followed, including Practical Surgical Exposures. Mr McRae’s last published work was The Pocketbook of Orthopaedics and Fractures.

He passed away in 2012 and in honour of his memory, we are very fortunate to be in the position to award the Ronald McRae prize this year.

Welcome to GlaMOR 2013!

Mr Dominic Meek
President
West of Scotland Orthopaedic Research Society

The Journal of Bone and Joint Surgery (British Volume) is continuing to work in partnership with your Association.

From Spring 2012, we will be launching a new and improved Orthopaedic Proceedings website, including published abstracts and video presentations from major congresses around the world.

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Glasgow Meeting of Orthopaedic Research

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Guest Speakers:
Mr James Scott
Professor Jim McKillop
Professor Tim Davis
Professor Peter Kay
Mr Tommy Lindau
Mr Peter Bates
Mr Jim Huntley

Faculty:
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Mr Dominic Meek
Mr Neil Wilson
Mr Gavin Tait
Mr Tim Hems
Mr William Leach
Mr Rashid Abu-Rajab
Mr Andrew Kinninmonth

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