<table>
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<tr>
<th>Time</th>
<th>Presentation</th>
<th>Title</th>
<th>Authors</th>
<th>Affiliations</th>
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<tr>
<td>09.45</td>
<td>015</td>
<td>Endothelial Dysfunction in Intermittent Claudication</td>
<td>R Sarvanandan, RA Lane, IC Chetter</td>
<td>Academic Vascular Unit, Hull Royal Infirmary/Hull York Medical School</td>
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<tr>
<td>09.52</td>
<td>016</td>
<td>Identifying Deep Vein Thrombosis: Proximal Leg Ultrasound vs. Whole Leg Ultrasound - Which Is Appropriate?</td>
<td>M Khanbhai, V Hansrani, J Burke, A Picton, CN McCollum</td>
<td>Institute of Cardiovascular Sciences, University of Manchester</td>
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<td>09.59</td>
<td>017</td>
<td>The AVULS Trial - Is Simultaneous Better?</td>
<td>TRA Lane, IJ Franklin, AH Davies</td>
<td>Academic Section of Vascular Surgery, Imperial College London</td>
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<td>10.06</td>
<td>018</td>
<td>A Randomised Control Trial Comparing Endovenous Laser Ablation and Conventional Surgery for the Treatment of Small Saphenous Vein Insufficiency; A 2-Year Follow-Up</td>
<td>S Nandhra, J El-Sheikha, N Samuel, T Wallace D Carradice, I Chetter</td>
<td>Hull-York Medical School, Academic Vascular Laboratory, Hull-Royal Infirmary, Anlaby Road, Hull</td>
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<td>10.13</td>
<td>019</td>
<td>The Risk of Cerebral Microembolisation and Silent Cerebral Infarction with Thoracic Endovascular Aortic Repair</td>
<td>AH Perera (1,2), N Rudarakanchana (1,2), CD Bicknell (1,2), L Monzon (3), M Hamady (2,3), O Kirmi (4), RG Gibbs (1,2)</td>
<td>Imperial Vascular Unit, St Mary’s Hospital, Imperial College Healthcare NHS Trust (1), Department of Surgery, Imperial College (2), Department of Interventional Radiology, St Mary’s Hospital, Imperial College Healthcare NHS Trust (3), Department of Neuroradiology, St Mary’s Hospital, Imperial College Healthcare NHS Trust (4), London</td>
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<td>10.20</td>
<td>020</td>
<td>Post-Transcriptional Dysregulation of Extracellular Matrix Modifying Genes in Patients with Abdominal Aortic Aneurysms</td>
<td>PW Stather, N Sylvius, D Sidloff, JB Wild, A Verissimo, N Dattani, HZ Butt, E Choke, RD Sayers, MJ Bown</td>
<td>University of Leicester</td>
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<td>10.27</td>
<td>021</td>
<td>Haemodynamic Efficacy of the GeKoTM Electrical Neuromuscular Stimulation Device in Claudicants</td>
<td>R Barnes(1), Y Shahin(1), AT Tucker(2), IC Chetter(1)</td>
<td>Academic Department of Vascular Surgery, Hull Royal Infirmary (1), The Ernest Cooke Vascular &amp; Microvascular Unit, St. Bartholomew’s Hospital (2)</td>
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<tr>
<td>10.34</td>
<td>022</td>
<td>1H-Nuclear Magnetic Resonance (NMR) Spectrometric Identification of Biomarkers of Atherosclerosis in the Apolipoprotein-E Knockout Mouse</td>
<td>P Abdulhannan (1,2), S Saha (2), N Yuldasheva (2), S Wheatcroft (2), D Russell (1,2), S Homer-Vanniasinkam (1,2) and J Fisher (3)</td>
<td>Leeds Vascular Institute, Leeds General Infirmary (1), Leeds Institute of Genetics, Health and Therapeutics (LIGHT), Faculty of Medicine and Health, University of Leeds (2), School of Chemistry, University of Leeds (3), Leeds, UK</td>
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<tr>
<td>10.41</td>
<td>023</td>
<td>Factors Influencing Survival Following Elective Abdominal Aortic Aneurysm Repair</td>
<td>N Chinai (1), SW Grant (1), E Carlson (1), J Morris (2), CN McCollum (1,2) University of Manchester (1), University Hospital of South Manchester NHS Foundation Trust (2)</td>
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10.48 O24: ANEURYSM GLOBAL EPIDEMIOLOGY STUDY: PUBLIC HEALTH MEASURES CAN FURTHER REDUCE ABDOMINAL AORTIC ANEURYSM MORTALITY
DA Sidloff, PW Stather, N Dattani, V Gokani, MJ Bown, J Thompson, RD Sayers, E Choke
University of Leicester

10.55 O25: MODELLING OUTCOMES FOLLOWING LOWER LIMB SURGICAL REVASCULARISATION: THE VASCULAR SOCIETY BYPASS OUTCOME MODEL (VS BOM)
GK Ambler (1), PA Coughlin (1), MS Gohel (1), DC Mitchell (2), JR Boyle (1). On behalf of the audit committee of the Vascular Society of Great Britain and Ireland. Department of Vascular Surgery, Addenbrooke's Hospital, Cambridge (1), Department of Surgery, North Bristol NHS Trust, Bristol (2)

11.02 O26: PREDICTORS OF OUTCOME IN PATIENTS WITH PERIPHERAL ARTERIAL DISEASE AND DIABETIC FOOT ULCERATION
JRW Brownrigg (1), K Pickwell (2), M Kars (2), N Schaper (2), RJ Hinchliffe (1) St George's Vascular Institute (1), Maastricht University Medical Centre (2)

11.09 O27: PROSPECTIVE COHORT STUDY COMPARING CONCOMITANT AMBULATORY PHLEBECTOMIES OR FOAM SCLEROTHERAPY TO VARICOSE TRIBUTARIES DURING EVLT: 2 YEAR RESULTS

COLORECTAL SURGERY
Parallel Oral Presentations 1B, JCR, Chairs:

09.45 O28: THE IMPACT OF COLORECTAL ANASTOMOTIC LEAK AND ITS TREATMENT ON CANCER RECURRENCE AND SURVIVAL FOLLOWING ELECTIVE COLORECTAL CANCER RESECTION
S Nachiappan, A Askari, G Malietzis, M Giacometti, I White, JT Jenkins, R Kennedy, O Faiz St Mark's Hospital

09.52 O29: PROSPECTIVE RANDOMISED MIXED METHODS PILOT TRIAL OF SACRAL AND PERCUTANEOUS TIBIAL NERVE STIMULATION FOR FAECAL INCONTINENCE
NN Thin (1), SJC Taylor (2), SA Bremner (2), N Hounsome (2), NS Williams (1), S Bannister (1), ME Allison (1), A Alam (3), GP Thomas (4), AV Emmanuel (3), CJ Vaizey (4), CH Knowles (1) National Centre of Bowel and Surgical Innovation, Queen Mary University of London & Barts Health NHS Trust (1), Centre for Primary Care and Public Health, Queen Mary University of London (2), GI Physiology Unit, University College London (3), GI Physiology Unit, St Mark's Hospital, London (4)

09.59 O30: THE MORBIDITY OF NEGATIVE APPENDICECTOMY
MJ Lee, T Paavana, TR Wilson Doncaster Royal Infirmary

10.06 O31: QUALITY OF ANAL EVOKED POTENTIAL (AEP) RECORDINGS IS REDUCED IN PATIENTS WITH FAECAL INCONTINENCE (FI): EVIDENCE OF CENTRAL SENSORY PATHWAY DYSFUNCTION?
EV Carrington (1,2,3), EL Horrocks (1,2), R Burgell (1), A Bjerke (4), S Connolly (4), SM Scott (1), JFX Jones (3), PR O'Connell (3,5), CH Knowles (1,2) GI Physiology Unit, The Wingate Institute of Neurogastroenterology, Queen Mary University of London, United Kingdom (1), National Centre for Bowel Research and Surgical Innovation (NCRBSI), Queen Mary, University of London, United Kingdom (2), Department of Anatomy, School of Medicine and Medical Sciences, University College Dublin, Ireland (3), Department of Neurophysiology, St Vincent's University Hospital, Dublin, Ireland (4), Surgical Professorial Unit, St Vincent’s University Hospital, Dublin, Ireland (5)

10.13 O32: GENETIC AND EPIGENETIC FACTORS IN PREDICTION OF RESPONSE
TO NEOADJUVANT CHEMORADIOThERAPY AND CLINICAL OUTCOMES IN RECTAL ADENOCARCINOMA
JS Williamson (1,2), WN Williams (1), AP Griffiths (1), G Jenkins (2), J Beynon (1,2), D Harris (1,2)
Singleton Hospital, Swansea (1), Institute of Life Science, Swansea University School of Medicine (2)

10.20 O33: PHENOTYPIC ANALYSIS OF PRIMARY COLORECTAL CANCER TO INFORM THE MANAGEMENT OF METASTATIC DISEASE
PA Sutton (1), R Jones (1), C Rowe (2), R Jenkins (2), H Malik (3), D Vimalachandran (4), C Goldring (2), D Palmer (1), N Kitteringham (2)
Institute of Translational Medicine, University of Liverpool (1), Centre for Drug Safety Science, University of Liverpool (2), Aintree University Hospitals (3), Countess of Chester Hospital (4)

10.27 O34: DOK7 EXPRESSION IN COLORECTAL CANCER CELLS AND ASSOCIATION WITH CLINICAL AND PROGNOSTIC OUTCOME
LK Satherley, L Ye, R Hargest, WG Jiang
Cardiff University

10.34 O35: ACUTE SACRAL NERVE STIMULATION DOES NOT HAVE A MOTOR EFFECT ON THE ANORECTUM IN AN ANIMAL MODEL
L Devane(1), P R O'Connell(2), J F X Jones(1)
University College Dublin (1), St. Vincent's University Hospital (2), Dublin, Ireland

10.41 O36: APOPTOSIS IN RECTAL CANCER BIOPSIES FOLLOWING IRRADIATION IN A MICROFLUIDIC DEVICE: A PREDICTOR OF RESPONSE?
RK Patel (1,2,3), VL Green (2), IA Hunter (1), J Greenman (2)
Castle Hill Hospital, Cottingham (1), Daisy Research Laboratories, School of Biological, Biomedical and Environmental Sciences, University of Hull (2), Hull York Medical School (3)

10.48 O37: POST-PARTUM DEFECATORY DYSFUNCTION: A COMPLEX PROBLEM INVOLVING CO-EXISTING FAECAL INCONTINENCE AND CONSTIPATION
EJ Horrocks (1), P Jordan (1), R Burgell (2), SM Scott (2), CH Knowles (1)
National Centre for Bowel Research and Surgical Innovation, Blizard Institute (1), Wingate Institute of Neurogastroenterology (2), Queen Mary University, London.

10.55 O38: ENHANCED CANCER SURVEILLANCE FOR ULCERATIVE COLITIS ASSOCIATED NEOPLASIA
F Iqbal, AD Beggs, GC Caldwell, GM Matthews, DG Morton
School of Cancer Sciences, University of Birmingham

11.02 O39: DIRECT LINES TO COLORECTAL CANCER
N Vafadar-Isfahani (1), H Xu (1), HA Cruickshanks (1, 2), O Peacock (1), A Lee (1), B Balakrishnan (1), RR Meehan (2), JN Lund (1), and C Tufarelli (1)
Division of Medical Sciences and Graduate Entry Medicine, School of Medicine, University of Nottingham (1), MRC Human Genetics Unit, Institute of Genetics and Molecular Medicine, University of Edinburgh (2)

11.09 O40: BIOSENSOR TECHNOLOGY FOR EARLY DETECTION OF ANASTOMOTIC LEAK AND INTRA-ABDOMINAL SEPSIS AFTER GASTROINTESTINAL SURGERY
NA Hirst (1), PA Millner (2), DG Jayne (1)
Section of Translational Anaesthetic and Surgical Sciences, Leeds Institute of Molecular Medicine, St James's University Hospital, Leeds (1), Faculty of Biological Sciences, University of Leeds (2)

TRANSPLANTATION
Parallel Oral Presentations 1C, Garden Room, Chairs:

09.45 O41: PROLONGED ALLOGRAFT SURVIVAL MEDIATED BY INTERLEUKIN-10 EXPRESSING REGULATORY B CELLS REQUIRES B CELL RECEPTOR LIGATION BUT NOT COGNATE T CELL HELP
09.52 042: STIMULATING MACROPHAGES TO ENHANCE LIVER REGENERATION
BM Stutchfield (1), AC Mackinnon (1), DJ Antoine (2), DJ Gow (3), M Hughes (4), SJ Jenkins (4), JW Pollard (5), BK Park (2), DA Hume (3), SJ Wigmore (4), SJ Forbes (1) MRC Centre for Regenerative Medicine, University of Edinburgh (1), Institute of Translational Medicine, University of Liverpool (2), Roslin Institute, University of Edinburgh (3), Department of Surgery and Surgical Sciences, Royal Infirmary Edinburgh (4), MRC Centre for Reproductive Health, University of Edinburgh (5)

09.59 043: TARGETING THE BAFF/APRIL SIGNALLING AXIS FOR PREVENTION OF ANTIBODY-MEDIATED ALLOGRAFT REJECTION
M Chhabra, M Mallik, J Garland, M Negus, S Rehavoka, J Ali, EM Bolton, JA Bradley, GJ Pettigrew University of Cambridge, Department of Surgery

10.06 044: IMPAIRED ENDOTHELIUM DEPENDENT RELAXATION-A PROXY OF VIABILITY FOR DONATION AFTER CIRCULATORY DEATH (DCD) KIDNEYS
G Lee, SA Hosgood, CAM Crotty, M Patel, ML Nicholson University of Leicester, Department of Infection, Immunity and Inflammation, Leicester General Hospital

10.13 045: PROTECTIVE EFFECTS AND MECHANISMS OF CHBP ON ISCHEMIA-REPERFUSION AND CYCLOSPORINE A INDUCED RENAL INJURY IN A MOUSE MODEL
Y Zhang (2), Y Wu (3), C Yang (4), F Liu (1), Y Zhang (1), A Liu (2), J Wu (1), T Zhao (4), Z Zhao (4), L Li (4), Y Long (5), T Zhu (4), ML Nicholson (6), Y Fan (1), Bin Yang (1,2,6) Department of Nephrology, Affiliated Hospital of Nantong University, Nantong, Jiangsu, China (1), Medical Research Centre, University of Nantong, Nantong, Jiangsu, China (2), Department of Pathology, University of Nantong, Nantong, Jiangsu, China; Comparative Medicine Institute, University of Nantong, Nantong, Jiangsu, China (3), Department of Urology, Zhongshan Hospital, Shanghai, China; Shanghai Key Laboratory of Organ Transplantation, Shanghai, China (4), CAS Key Laboratory of Receptor Research, Shanghai Institute of Materia Medica, Chinese Academy of Sciences, Shanghai, China (5), Department of Infection, University of Leicester, Leicester, United Kingdom (6)

10.20 046: AMELIORATION OF ISCHAEMIA-REPERFUSION INJURY IN A MOUSE MODEL OF CARDIAC TRANSPLANTATION USING A NOVEL MITOCHONDRIA-TARGETED ANTIOXIDANT
AJ Dare (1,2), A Logan (2), TA Prime (2), M Goddard (3), EA Bolton (1), JA Bradley (1), GJ Pettigrew (1), MP Murphy (2), K Saeb-Parsy (1) Department of Surgery, University of Cambridge (1), MRC Mitochondrial Biology Unit, Cambridge (2), Papworth Hospital NHS Foundation Trust (3)

10.27 047: CYCLOSPORINE A INDUCED IMMEDIATE VASOCONSTRICTION DEMONSTRATED DURING AND IMPAIRED ENDOTHELIUM DEPENDENT RELAXATION DEMONSTRATED AFTER REPERFUSION IN A PORCINE DONATION AFTER CIRCULATORY DEATH (DCD) MODEL
G Lee, SA Hosgood, M Patel, CAM Crotty, ML Nicholson University of Leicester, Department of Infection, Immunity and Inflammation, Leicester General Hospital

10.34 048: THE EFFECT OF COLD ISCHAEMIC TIME ON CYTOKINE AND DIABETES MARKERS IN PANCREAS TRANSPLANTATION
HA Khambalia (1,3), Z Moinuddin (1), D van Dellen (1), M Nirmalan (2), Y Alexander (3), T Augustine (1) Departments of Transplantation (1) and Anaesthetics (2), Manchester Royal Infirmary, Manchester, Cardiovascular Research Unit, University of Manchester, (3) Manchester, UK

10.41 049: EX-VIVO NORMOTHERMIC PERFUSION: A QUALITY ASSURANCE SYSTEM FOR KIDNEY TRANSPLANTATION
10.48 O50: HUMAN LEUKOCYTE ANTIGEN B-CELL EPITOPE TERTIARY STRUCTURE AND SURFACE ELECTROSTATIC POTENTIAL REVEAL THE MOLECULAR BASIS FOR ALLOANTIBODY BINDING AND EPITOPE IMMUNOGENICITY
DH Mallon, P Winn, E Bolton, JA Bradley, C Taylor, V Kosmoliaptsis
Department of Surgery, University of Cambridge

10.55 O51: EX-VIVO NORMOTHERMIC PERFUSION IN MARGINAL DONOR KIDNEY TRANSPLANTATION
SA Hosgood, AD Barlow, CA Crotty, ML Nicholson
University of Leicester

11.02 O52: DEPLETION OF MURINE INTRA-ALLOGRAFT B-LYMPHOCYTES INHIBITS RENAL CHRONIC ALLOGRAFT DAMAGE
GH Tse, D Kluth, M Gray, J Hughes, D Gray, L Marson
MRC Centre for Inflammation Research, University of Edinburgh

11.09 O53: VIABILITY ASSESSMENT OF DISCARDED HUMAN KIDNEYS USING EX-VIVO NORMOTHERMIC PERFUSION
SA Hosgood, AD Barlow, ML Nicholson
University of Leicester

PATEY PRIZE SESSION 1

Chairs: Professor Cliff Shearman and Professor Dion Morton

11.50 O1: COMPARISON OF ABERRANT DNA METHYLATION IN RECTAL TISSUES BEFORE AND AFTER NEOADJUVANT CHEMORADIOThERAPY
JS Williamson (1,2), HG Jones (1,2), G Jenkins (2), R Hugtenburg (2), J Beynon (1,2), D Harris (1,2)
Singleton Hospital, Swansea (1), Institute of Life Science, Swansea University School of Medicine (2)

12.00 O2: EXPRESSION OF GUT HOMING MOLECULES ON PERIANAL CROHN’S FISTULAE
NA Yassin (1,2), YH Siaw (2), D Bernardo (2), E Mann (2), HO Al-Hassi (2), SC Knight (2), AL Hart (1), RKS Phillips (1)
St Mark’s Hospital & Academic Institute (1), Antigen Presentation Research Group, Imperial College London (2)

12.10 O3: HOST CD4 T CELLS ARE ESSENTIAL FOR DIVERSIFICATION OF DONOR INDUCED HUMORAL AUTOIMMUNITY
MS Qureshi, R Motallebzadeh, TM Conlon, I Harper, EM Bolton, JA Bradley, GJ Pettigrew
Dept. of Surgery, University of Cambridge

12.20 O4: IMAGING PARATHYROID GLANDS USING CONFOCAL ENDOMICROSCOPY: TOWARDS REAL-TIME INTRAOPERATIVE IDENTIFICATION OF PARATHYROID ADENOMA
TP Chang (1,2), F Palazzo (3), R Flora (4), V Constantinides (3), DJ Hadjiminas (3), DR Leff (1,2), K Sriskandarajah (1,2), GZ Yang (2), A Darzi (1,2)
Department of Surgery and Cancer, Imperial College (1), The Hamlyn Centre, Imperial College (2), Department of Endocrine and Thyroid Surgery, Hammersmith Hospital (3), Histopathology Department, Hammersmith Hospital (4), London

12.30 O5: HETEROGENEITY IN INDIRECT PATHWAY CD4 T CELL ALLORESPONSES
JM Ali, MC Negus, EM Bolton, K Saeb Parsy, JA Bradley, GJ Pettigrew
Department of Surgery, University of Cambridge

12.40 O6: GENDER- AND REGIONALLY-SPECIFIC DECLINE IN COLONIC NEUROMUSCULAR ACTIVITY WITH ADVANCED AGE
12.50 07: A NOVEL STRATEGY TO EXPLOIT METABOLIC DYSREGULATION IN OESOPHAGEAL ADENOCARCINOMA ABOLISHES CANCER CELL PROLIFERATION
JR O'Neill (1,4), H-S Pak (2), M Nekulová (3), E Païro-Castineira (1), V Save (4), S Paterson-Brown (4), A Scherl (2), B Vojtesek (3), IM Overton (1), TR Hupp (1)
Institute of Genetics and Molecular Medicine, Edinburgh (1), Centre Médical Universitaire, Geneva (2), RECAMO Institute, Brno (3), Royal Infirmary of Edinburgh (4)

OESOPHAGO-GASTRIC SURGERY
Parallel Oral Presentations 2A, Auditorium, Chairs:

14.00 054: THE EFFECT OF FORMALISING ENHANCED RECOVERY AFTER OESOPHAGECTOMY
JM Findlay, E Tustian, RS Gillies, B Sgromo, REK Marshall, ND Maynard
Oxford Oesophago-Gastric Centre, Churchill Hospital, Oxford, UK

14.07 055: FAECAL AND PLASMA BIOMARKERS COMBINED WITH BAYESIAN PRIOR RISK MODELLING AS A SCREENING TEST FOR OESOPHAGO-GASTRIC CANCER
ST Hornby (1)(4), S Ball (2), L Barrett (3), R Ayling (3), D Wright (2), G Sanders (1), TW Wheatley (1)
Peninsula Oesophago-gastric Unit, Plymouth Hospitals NHS Trust (1), Department of Clinical Chemistry, Plymouth Hospitals NHS Trust (2), Department of Statistics, University of Plymouth (3), Peninsula College of Medicine and Dentistry (4)

14.14 056: ATTEMPTED VALIDATION OF THE NUN SCORE AND INFLAMMATORY MARKERS AS PREDICTORS OF OESOPHAGEAL ANASTOMOTIC LEAK
JM Findlay (1), RC Tilson (1), A Harikrishnan (1), B Sgromo (1), REK Marshall (1), ND Maynard (1), MR Middleton (2,3), RS Gillies (1)
Oxford Oesophago-Gastric Centre, Churchill Hospital (1), Department of Oncology, Churchill Hospital (2), Department of Oncology, University of Oxford (3), Oxford, UK

14.21 057: SIFT-MS ANALYSIS OF EXHALED BREATH FOR VOLATILE ORGANIC PROFILING OF OESOPHAGO-GASTRIC CANCER
S Kumar (1), J Huang (1), N Abbassi-Ghadi (1), H MacKenzie (1), J Hoare (1), P Spanel (2), D Smith (3), GB Hanna (1)
Department of Surgery & Cancer, Imperial College, London (1), J. Heyrovsky Institute of Physical Chemistry, Academy of Sciences of the Czech Republic, Prague (2), Institute for Science and Technology in Medicine, Keele University, Stoke-on-Trent (3)

14.28 058: THE INITIAL STAGING VALUE OF ROUTINE PET-CT IN GASTRIC CANCER
G Jones (1), S Di Carlo (1), JM Findlay (1), B Sgromo (1), REK Marshall (1), ND Maynard (1), RS Gillies (1), K Bradley (2), F Gleeson (2)
Oxford Oesophago-Gastric Centre, Churchill Hospital (1), Department of Radiology, Churchill Hospital (2), Oxford, UK

14.35 059: DRUG REPURPOSING IN OESOPHAGEAL ADENOCARCINOMA: NEW TRICKS FOR OLD DOGS?
MR Bedford* (1), J Gill* (1), T Iqbal (2), SJ Ford (1), D Alderson (2), F Khanim (3), C Tselepis (1)
School of Cancer Sciences, University of Birmingham (1), University Hospitals Birmingham NHS Foundation Trust, (2), School of Biosciences, University of Birmingham (3)*joint first authors

14.42 060: A DECISION TREE ANALYSIS OF SELECTIVE ENDOSCOPIC ULTRASOUND IN STAGING OESOPHAGEAL CANCER
14.49  O61  THE UTILITY OF RESTAGING PET-CT IN PREDICTING PROGRESSION TO UNRESECTABLE OESOPHAGEAL CANCER AFTER NEOADJUVANT CHEMOTHERAPY
JM Findlay(1), RS Gillies(1), G Jones(1), S Di Carlo(1), B Sgromo(1), REK Marshall(1), ND Maynard(1), K Bradley(2), F Gleeson(2), MR Middleton(3,4)
Oxford OesophagoGastric Centre, Churchill Hospital (1), Department of Radiology, Churchill Hospital (2), Department of Oncology, Churchill Hospital (3), Department of Oncology, University of Oxford (4), Oxford, UK

TRAINING AND EDUCATION
Parallel Oral Presentations 2B, JCR, Chairs:

14.00  O62: LAPAROSCOPIC TRAINING IN VIRTUAL REALITY: HAPTIC VS NONE HAPTIC
A Bouhelal, W Elbakbak, S Badiani, H Patel, B Alaraimi, B Patel
Barts Cancer Institute, Queen Mary University of London

14.07  O63: THE FEASIBILITY OF APPLYING METACOGNITIVE LEARNING STRATEGIES TO ENHANCE SIMULATION-BASED LEARNING
DM Cocker, S Mavroveli, G Hanna
Imperial College

14.14  O64: THE EFFECT OF DIVIDED ATTENTION ON NOVICES AND EXPERTS IN LAPAROSCOPIC TASK PERFORMANCE
MA Ghazanfar (1), B Tang (1), MJ Cook (2), IS Tait (1), A Aijani (1)
Cuschieri Skills Centre, University of Dundee (1), Department of Psychology, University of Abertay (2), Dundee

14.21  O65: LAPAROSCOPIC SKILLS, RIDING A BIKE OR LOSE WHAT YOU DO NOT USE?!
A Bouhelal, W Elbakbak, H Patel, B Alaraimi, B Patel
Barts Cancer Institute, Queen Mary University of London

14.28  O66: METACOGNITION IN SURGICAL SKILLS LEARNING
DM Cocker, S Mavroveli, G Hanna
Imperial College

14.35  O67: MINIMAL INVASIVE SURGERY SKILLS ACQUISITION IN NOVICES USING VIRTUAL REALITY
A Bouhelal, H Patel, A Benjamin, MR Farahmandfar, B Alaraimi, B Patel
Barts Cancer Institute, Queen Mary University of London

14.42  O68: THE EFFECT OF USING DELIBERATE PRACTICE TO TRAIN INTERNS ON BLOOD PRODUCT PRESCRIBING - A PROSPECTIVE COHORT ANALYSIS
KM Joyce, R Hurley, D Byrne, P O'Connor, MJ Kerin
Department of Surgery, Galway University Hospital

14.49  O69: CROSS-OVER TRIAL OF THREE-DIMENSION VS. TWO-DIMENSION VISION SYSTEMS FOR ADVANCED LAPAROSCOPIC SKILLS IN SURGICAL TRAINEES
W Elbakbak, A Bouhelal, B Alaraimi, B Patel
Barts Cancer Institute, Queen Mary University of London

BREAST SURGERY
Parallel Oral Presentations 2C, Garden Room, Chairs:
14.00  O70: INVESTIGATING THE IMPORTANCE OF VARIANTS AT 12P11, 12Q24 AND 21Q21 IN BREAST CANCER IN THE WEST OF IRELAND
UM McVeigh, TP McVeigh, KJ Sweeney, MJ Kerin, N Miller
Discipline of Surgery, National University of Ireland, Galway

14.07  O71: THE TISSUE FACTOR PATHWAY MAY PROMOTE BREAST CANCER STEM CELL ACTIVITY
H Shaker (1,2), H Harrison (1), R Clarke (3), G Landberg (1), N J Bundred (2), CC Kirwan (2)
Molecular Pathology Group, Breakthrough Breast Cancer Unit, Paterson Institute for Cancer Research (1), Manchester Academic Health Science Centre, Department of Academic Surgery, University Hospital of South Manchester (2), Breast Biology Group, Paterson Institute for Cancer Research (3), Manchester

14.14  O72: INVESTIGATING THE ASSOCIATION BETWEEN SINGLE NUCLEOTIDE POLYMORPHISMS AND INDELS IN PCM1 (PERICENTRIOLAR MATERIAL) GENE AND BREAST CANCER IN THE WEST OF IRELAND
TP McVeigh (1), T Paranjape (2), F Slack (2), JB Weidhaas (2), KJ Sweeney (1), MJ Kerin (1), N Miller (1)
Discipline of Surgery, National University of Ireland Galway (1), Yale University, New Haven, Connecticut, USA (2)

14.21  O73: 14-3-3 PROTEINS, TBID, AKT1 AND FAKY397 MAY BE PREDICTIVE BIOMARKERS OF RESPONSE TO NEOADJUVANT CHEMOTHERAPY IN OESTROGEN RECEPTOR POSITIVE BREAST CANCER AS REVEALED BY COMBINED ANTIBODY MICROARRAY AND 2D-PAGE/MALDI/TOF/TOF/MS PROTEOMICS
T Hussain, L Scaife, V Hodgkinson, V Agarwal, T Mahapatra, P Kneeshaw, P McManus, P Drew, M Lind, L Cawkerwell
University of Hull-HYMS, Castle Hill Hospital, Hull

14.28  O74: WIDE LOCAL EXCISION DEFECTS OF THE BREAST – A TREATMENT ALGORITHM BASED ON ONCOLOGICAL RESECTION PATTERNS
MA Bashir, N Hachach-Haram, P-N Mohanna, J Farhadi, P Roblin
GKT Cancer Reconstruction Service, Dept of Plastic Surgery, St Thomas’ Hospital London

14.35  O75: IDENTIFYING NOVEL BREAST CANCER SUBTYPES EFFECT ON CLINICAL RESPONSE TO NEOADJUVANT CHEMOTHERAPY
N Bhatt, C Fiuza-Castinieria, S Murphy, M O’Connor, GT O’Donoghue
Waterford Regional Hospital, Ireland

14.42  O76: A NEW SURGICAL PROTOCOL TO REDUCE RE-OPERATION RATES IN BREAST CONSERVING SURGERY
E Greed, J Lim, NJ Coombs
Great Western Hospitals NHS Foundation Trust

14.49  O77: ALTERED GLYCOSYLATION OF IGA1 IN BREAST CANCER
HJ Lomax-Browne, C Robertson, MV Dwek
University of Westminster

POSTERS OF DISTINCTION
Parallel Oral Presentations 3A, Auditorium, Chairs:

16.00  O78: EARLY GRAFT LOSS AFTER KIDNEY TRANSPLANTATION: RISK FACTORS AND CONSEQUENCES
MO Hamed (1), L Pasea (2), JA Bradley (1), GJ Pettigrew (1), K Saeb-Parsy (1)
Department of Surgery (1), Centre for Applied Medical Statistics (2), University of Cambridge, Addenbrookes Hospital, Cambridge

16.05  O79: A TARGETED GLYCOPROTEOMIC APPROACH FOR THE IDENTIFICATION OF A NOVEL BIOMARKER OF METASTATIC BREAST CANCER
SA Fry (1), J Sinclair (2), JF Timms (2), AJ Leathem (2), MV Dwek (1)
University of Westminster (1), University College London (2)
16.10 O80: THE EFFECT OF EICOSPENTAENOIC ACID NUTRITIONAL SUPPLEMENTATION ON LEAN MUSCLE MASS AND GRIP STRENGTH ON PATIENTS UNDERGOING CURATIVE RESECTION OF COLORECTAL CANCER – A DOUBLE-BLINDED RANDOMISED CONTROL TRIAL
T Hossain, A Selby, D Rankin, P Atherton, J Lund, J Williams
University of Nottingham

16.15 O81: ARE WE DISCARDING TRANSPLANTABLE DONOR PANCREASES? CORRELATION BETWEEN DONOR DEMOGRAPHICS, SURGICAL ASSESSMENT AND HISTOPATHOLOGY
DH Mallon, R Brais, W Howat, A Dare, M Murphy, JA Bradley, G Pettigrew, K Saeb-Parsy
Department of Surgery, Addenbrooke's Hospital

16.20 O82: EFFECT OF RADIOTHERAPY ON NEW GENERATION OF BREAST IMPLANTS USING SILSESQUIOXANE NANOCOMPOSITES SHELL
L Mousavi, A M Seifalian, M Keshtgar
Royal Free Hospital, UCL

16.25 O83: UTILITY OF HISTOLOGICAL ASSESSMENT OF DONOR KIDNEY DISEASE IN PREDICTING OUTCOMES FOLLOWING DECEASED DONOR KIDNEY TRANSPLANTATION
V Kosmoliaptsis, M Salji, V Bardsley, M Finlay, H Copley, M Griffiths, JA Bradley, GJ Pettigrew
Department of Surgery, University of Cambridge

16.30 O84: MID-TERM SURVIVAL OUTCOMES FOR FRAIL VASCULAR SURGICAL PATIENTS
A Ali, GK Ambler, D Brooks, J Boyle, M Gohel, K Varty, P Hayes, PA Coughlin
Department of Vascular Surgery, Addenbrooke's Hospital, Cambridge

16.35 O85: INVESTIGATING PERIPHERAL HAEMODYNAMICS DURING NEUROMUSCULAR STIMULATION
L Varatharajan, K Williams, H Moore, AH Davies
Academic Section of Vascular Surgery, Charing Cross Hospital, Imperial College London

16.40 O86: THE EFFECT OF INTERLEUKIN 15 ON AN IN VITRO MODEL OF HUMAN KERATINOCYTE CELL MIGRATION IN WOUND HEALING
AM Jones, AJ Sanders, JL Griffiths, F Ruge, KG Harding, WG Jiang
Department of Wound Healing, Cardiff University

16.45 O87: IMPROVED HLA-MATCHING OF FIRST KIDNEY TRANSPLANTS IS REQUIRED TO AVOID ALLOSENSITISATION THAT PRECLUDES FUTURE RE-TRANSPLANTATION
V Kosmoliaptsis, O Gjorgjimajkoska, LD Sharples, N Chatzizacharias, AN Chaudhry, S Peacock, N Torpey, EM Bolton, CJ Taylor, JA Bradley
Department of Surgery, University of Cambridge

16.50 O88: A PILOT STUDY TO ASSESS THE EFFECT OF RAMIPRIL, ON METALLOPROTEINASES AND THEIR INHIBITORS IN CLAUDICANTS
D A Finch, Y Shahin, L A Madden, I Chetter
Academic Vascular Surgical Unit, Hull York Medical School and University of Hull, Hull, UK

16.55 O89: PERIOPERATIVE PREBIOTICS, PROBIOTICS OR SYNBIOTICS FOR ELECTIVE ABDOMINAL SURGERY IN ADULTS - A SYSTEMATIC REVIEW AND META-ANALYSIS OF RANDOMISED CONTROLLED TRIALS
AH Chowdhury (1), KK Varadhan (1), K Neal (2), DN Lobo (1)
NIHR Nottingham Digestive Diseases Centre Biomedical Research Unit, University of Nottingham (1), University of Nottingham (2), Nottingham, UK

17.00 O90: THE INFLUENCE OF BREAST CANCER TREATMENT ON POST-DIAGNOSIS WEIGHT GAIN. RESULTS FROM THE DIETCOMPLYF STUDY
R Swann, M Dwek, C Robertson
University of Westminster
17.05  O91: ISCHAEMIA REPERFUSION INJURY EXACERBATES CHRONIC REJECTION IN A MOUSE MODEL OF HEART TRANSPLANTATION
JL Martin, J Ali, A Dare, E Bolton, JA Bradley, GJ Pettigrew, K Saeb-Parsy
Department of Surgery, Cambridge

17.10  O92: NVR REPORT ON SURGICAL OUTCOMES AND IMPLICATIONS FOR “VASCULAR CENTRES” IN THE UK
DA Sidloff, V Gokani, PW Stather, E Choke, MJ Bown, RD Sayers
University of Leicester

MISCELLANEOUS
Parallel Oral Presentations 3B, JCR, Chairs:

16.00  O93: CADAVERIC ORGAN DONORS ARE A PROMISING SOURCE OF VIABLE HAEMATOPOIETIC STEM CELLS FOR CLINICAL USE
K Elliott, T Conlon, M Negus, L Vallier, F Rouhani, E Bolton, JA Bradley, G Pettigrew, K Saeb-Parsy
University of Cambridge

16.07  O94: CASPASE-3 SIRNA AND CHBP PROTECT MOUSE EPITHELIAL TCMK-1 CELLS AGAINST CYCLOSPORINE A INDUCED APOPTOSIS
YY Wu(2), YW Zhang(1), LL Fu(3), L Yuan(1), AF Liu(4), YF Zhang(4), C Yang(5), TY Zhu(5), YQ Long(6), ML Nicholson(7), YP Fan(1), B Yang(1,4,7)
Department of Nephrology, Affiliated Hospital of Nantong University, Nantong, Jiangsu, China (1), Department of Pathology, University of Nantong, Nantong, Jiangsu, China (2), Department of Urology, The Second Military Medical University, Shanghai, China (3), Medical Research Centre, University of Nantong, Nantong, Jiangsu, China (4), Department of Urology, Zhongshan Hospital, Shanghai, China; Shanghai Key Laboratory of Organ Transplantation, Shanghai, China (5), CAS Key Laboratory of Receptor Research, Shanghai Institute of Materia Medica, Chinese Academy of Sciences, Shanghai, China (6), Department of Infection, University of Leicester, Leicester, United Kingdom (7)

16.14  O95: A SURGICAL RAT MODEL FOR INVESTIGATING PHARMACOKINETIC PARAMETERS OF DRUG COMPOUNDS
IC Christakis, JM Minnion, TT Tan, FP Palazzo, MH Ghathei, SB Bloom
Imperial College London

16.21  O96: ARE FUNNEL PLOTS AN ACCURATE WAY OF ASSESSING PUBLICATION BIAS IN META-ANALYSES OF OBSERVATIONAL STUDIES?
J P Hunter (1), A Saratzis (2), A Sutton (1), R D Sayers (1), M J Bown (1)
University of Leicester (1), Heart of England NHS Trust (2)

16.28  O97: THE EFFECT OF INTERLEUKIN-17B ON AN IN VITRO MODEL OF HUMAN KERATINOCYTE CELL MIGRATION DURING WOUND HEALING
AM Jones, AJ Sanders, F Ruge, KG Harding, WG Jiang
Department of Wound Healing, Cardiff University

16.35  O98: BOTULINUM TOXIN FOR THE TREATMENT OF PHARYNGOESOPHAGEAL SPASM IN POST-LARYNGECTOMY PATIENTS
K Lightbody, HL Jones, E Gilmartin, J Lancaster
Aintree University Hospital

16.42  O99: THE REPORTING QUALITY OF RANDOMIZED CONTROLLED TRIALS IN OPHTHALMIC SURGERY IN 2011: A SYSTEMATIC REVIEW
A Khajuria (1), AC Yao (1), CF Camm (2), E Edison (3), R Agha (4)
Imperial College London School of Medicine (1), University of Oxford (2), University College London (3), Stoke Mandeville Hospital, Buckinghamshire (4)

16.49  O100: COBALT ALLOY SPECIFIC REGULATION OF BONE REMODELLING VIA HIF REGULATION: A CAUSE OF ASEPTIC ORTHOPAEDIC IMPLANT FAILURE?
Y Li, G Jell
University College London
16.56  O101: A NANO-INSPIRED MULTIFUNCTIONAL POLYMER PLATFORM FOR SURGICAL APPLICATIONS
A Tan (1), Y Farhatnia (1), J Lim (2), J Rajadas (3), M Alavijeh (4), A Seifalian (1)
University College London (1), Nanyang Technological University (2), Stanford University (3), Pharmidex Pharmaceutical Services Ltd (4)

17.03  O102: THE EFFECTS OF DETERGENT SCLEROSANTS ON WHITE BLOOD CELLS
HM Moore, T Willenberg, P Coleridge-Smith, C Chiappini, S Bertazzo, MM Stevens, AH Davies
Imperial College London

17.10  O103: A NOVEL CLASS OF NANOMEDICAL ANTIBIOTICS FOR SURGICAL INFECTION CAPABLE OF LOCALISED ACTIVATION AND PASSIVE TARGETING
EA Azzopardi (1,2), EL Ferguson (1), DW Thomas (1)
Cardiff University, Centre for Regenerative Medicine, the Welsh Centre for Burns and Plastic Surgery

17.17  O104: DO BACTERIAL TOXINS DRIVE THE FORMATION OF NASAL POLYPS IN PATIENTS WITH CHRONIC RHINOSINUSITIS?
TC Biggs, SM Hayes, H Lamont, PH Harries, S Pender, RJ Salib
University Hospital Southampton NHS Foundation Trust

SURGICAL METABOLISM AND PERIOPERATIVE CARE
Oral Presentations 3C, Garden Room, Chairs:

16.00  O105: GLUCOSE SENSORS AND TRANSPORTERS IN METABOLIC DISEASE: ANALYSIS OF TISSUE FROM OBESE DIABETIC AND NON-DIABETIC HUMANS
HY Bhutta (1,2,3), A Tavakkoli (1,2)
Department of Surgery, Brigham and Women's Hospital, Boston, MA (1), Harvard Medical School, Boston, MA (2), Department of Investigative Medicine, Imperial College, London, UK (3)

16.07  O106: THE EPO-DERIVATIVE, ARA-290, ATTENUATES ISCHAEMIA-INDUCED SKELETAL MUSCLE DAMAGE IN CLI MYOBLASTS IN VITRO AND IN A MURINE MODEL OF HINDLIMB ISCHAEMIA
RSH Yu (1), DJ Abraham (2), S Kolvekar (3), D Baker (1), JCS Tsui (1)
Royal Free London Vascular, Division of Surgery and Interventional Science, Royal Free Hospital (1), Centre for Rheumatology and Connective Tissue Disease, UCL Medical School, Hampstead Campus, Royal Free Hospital (2), The Heart Hospital, UCLH NHS Foundation Trust, Westmoreland Street (3), London

16.14  O107: MESENTERIC VASCULAR TRANSIT TIME, AS ASSESSED BY CONTRAST-ENHANCED ULTRASOUND; ITS RELATIONSHIP TO CARDIAC OUTPUT AND VOLUME STATUS
WK Mitchell (1,2), BE Phillips(2), A Bhalla (1,2), T Heinink (1,2), JN Lund (1,2), JP Williams (1,2)
Royal Derby Hospital, Division of Surgery (1), ARUK/MCR Centre of Excellence in Research in Musculo-skeletal Aging, University of Nottingham School of Graduate Entry Medicine, Derby (2)

16.21  O108: ASSOCIATION BETWEEN GENE EXPRESSION BIOMARKERS OF IMMUNOSUPPRESSION AND BLOOD TRANSFUSION IN SEVERELY INJURED POLYTRAUMA PATIENTS
HDT Torrance (1,2), K Brohi (1,2), RM Pearse (1,2), P Fragkou (1), JR Prowle (1), CJ Hinds (1,2), MJ O’Dwyer (1,2)
Departments of Trauma & Critical Care, Bart’s Health NHS Trust (1), Bart’s and the London School of Medicine (2), London, UK

16.28  O109: ACUTE ENDOTOXAEMIA BLUNTS NUTRIENT MEDIATED PHOSPHORYLATION OF MUSCLE AKT/MTOR SIGNALLING AND MUSCLE PROTEIN SYNTHESIS IN HUMANS
16.35  O110: ROLE OF TOLL-LIKE RECEPTOR 4 (TLR4) INHIBITION IN ISCHAEMIA-INDUCED SYSTEMIC INFLAMMATORY RESPONSE AND SKELETAL MUSCLE DAMAGE
A Navi (1), D Abraham (2), X Shi-Wen (2), S Shaw (3), D Baker (1), J Tsui (1)
Royal Free London Vascular, London, UK (1), Centre for Rheumatology and Connective Tissue Disease, University College London, Royal Free Campus, London, UK (2),
Department of Clinical Experimental Research, University of Bern, 3010 Bern, Switzerland (3)

16.42  O111: SMALL BOWEL SEROSA, A NOVEL SOURCE OF PROINFLAMMATORY CYTOKINES IN GUT INJURY AND INFLAMMATION
S K Tolofari, Z Haveliwala, P Davies, G Warhurst, G Carlson
Salford Royal Foundation Trust

16.49  O112: THE LOX-1 SCAVENGER RECEPTOR PLAYS A DUAL ROLE IN ATHEROSCLEROSIS AND REGulates GLUCOSE METABOLISM
NA Mughal (1,2), DA Russell (1), S Ponnambalam (2), S Homer-Vanniasinkam (1,2)
Leeds Vascular Institute, The General Infirmary at Leeds (1), Endothelial Cell Biology Unit,
Leeds Institute for Genetics, Health & Therapeutics, University of Leeds (2), UK

16.56  O113: INTESTINAL NUTRIENT SENSING IN THE ANTI-DIABETIC EFFECTS OF BARIATRIC SURGERY
A Pal, HY Bhutta, A Tavakkoli
Brigham and Women's Hospital and Harvard Medical School

17.03  O114: PERIPHERAL NEUROPATHY AND THE RISK OF CARDIOVASCULAR EVENTS IN DIABETES MELLITUS
JRW Brownrigg (1), S de Lusignan (2), A McGovern (2), MM Thompson (1), KK Ray (1), RJ Hinchcliffe (1)
St George's Vascular Institute (1), University of Surrey (2)

17.10  O115: CARDIOPULMONARY EXERCISE TESTING AS A PREDICTOR OF POSTOPERATIVE CARDIAC AND PULMONARY OUTCOMES, EARLY MORTALITY AND LENGTH OF HOSPITAL STAY IN AAA REPAIR PATIENTS
HM Barakat, Y Shahin, R Gohil, PT McCollum, IC Chetter
Academic Surgical Unit, Hull York Medical School, University of Hull

17.17  O116: TOLL-LIKE RECEPTOR 4 ANTAGONISM SIGNIFICANTLY IMPROVES FIBROBLAST MIGRATION IN SIMULATED DIABETIC ISCHAEMIC CONDITIONS
M J Portou (1), R Yu (1), D Abraham (2), D Baker (1), J Tsui (1)
Royal Free Vascular, 9th Floor, Royal Free Hospital NHS Foundation Trust (1), Centre for Rheumatology and Connective tissue disease, UCL, UK (2)

THURSDAY 9TH JANUARY

MEDICAL STUDENT PRIZE
Parallel Oral Presentations 4A, Auditorium, Chairs:

08.45  O117: EXPRESSION OF HEPATOCYTE GROWTH FACTOR-LIKE/MACROPHAGE STIMULATING PROTEIN IN HUMAN WOUND TISSUE AND ITS BIOLOGICAL FUNCTIONALITY IN HUMAN KERATINOCYTES
JCD Glasbey, AJ Sanders, F Ruge, KG Harding, WG Jiang
Metastasis & Angiogenesis Research Group, Institute of Cancer and Genetics, Cardiff
University School of Medicine, Heath Park, Cardiff

08.53: O118: THE EFFECT OF VARYING DOSES OF CAFFEINE ON LAPAROSCOPIC SKILL PERFORMANCE IN NOVICES
09.01 O119: A PILOT STUDY INVESTIGATING THE ABILITY OF ADVANCED BIPOLAR RF DEVICE TO INDUCE BLOOD VESSEL HAEMOSTASIS BY ACTIVATION OF THE COAGULATION PATHWAY
M Elsaddig (1), S Arya (1), M H Kudo (2), RD Goldin (2), G Hanna (1) Division of Surgery, Department of Surgery and Cancer, Imperial College London, St. Mary's Hospital, 10th Floor, QEQM Building, South Wharf Road, London (1) Centre for Pathology, Department of Cellular Pathology, St. Mary’s Hospital, South Wharf Road, London, W2 1NY (2)

09.09 O120: NUTLIN-3 IS CYTOTOXIC IN TP53 WT LIPOSARCOMA AND LEIOMYOSARCOMA IN VITRO AND CAN ACT BOTH SYNERGISTICALLY AND ANTAGONISTICALLY WITH IONISING RADIATION
HDJ Hogg (2), JJ French (1), J Lunec (2) Freeman Hospital, Newcastle (1), Northern Institute for Cancer Research, Newcastle (2)

09.17 O121: THE ASSOCIATION OF VISCERAL ADIPOSE TISSUE WITH ABDOMINAL AORTIC ANEURYSM PRESENCE, SIZE AND EX-VIVO FIBRIN CLOT STRUCTURE
JA Batty, MA Bailey, A Adeogun, K Fairbrass, KI Bridge, AB Johnson, PG Walker, RAS Ariëns, DJA Scott. Leeds Vascular Institute, the General Infirmary at Leeds, Leeds, UK

09.25 O122: ANATOMICAL EXAMINATION OF THE ELBOW TO DETERMINE IF IT IS A POTENTIAL SOURCE OF VASCULARISED TISSUE FOR RECONSTRUCTION
S Hettiarchty, C Read Imperial College Human Anatomy Unit

09.33 O123: EXOSOME-MEDIATED ACTIVE AND SELECTIVE SECRETION OF MICRORNAS BY BREAST CANCER CELLS IN VITRO
LS Rahmani (1), CL Glynn (2), RM Dwyer (2), MJ Kerin (2) School of Medicine, Clinical Science Institute, National University of Ireland, Galway (1), Discipline of Surgery, School of Medicine, National University of Ireland, Galway (2)

09.41 O124: REDUCED GLYCOSYLATION OF SKBR3 BREAST CANCER CELLS AFFECTS RESPONSE TO TREATMENT
AF Spector, B Ramesh, M Loizidou, M Dwek, H Welch UCL Medical School, Royal Free Campus

09.49 O125: ENHANCED MESENCHYMAL STEM CELL IMMUNOMODULATORY POTENCY THROUGH INTRACELLULAR BUDESONIDE MICROPARTICLES
JF Ong, JA Ankrum, RG Dastidar, O Levy, JM Karp Center for Regenerative Therapeutics, Department of Medicine, Brigham and Women’s Hospital, Harvard Medical School, Harvard-MIT Division of Health Sciences & Technology, Harvard Stem Cell Institute

09.57 O126: SEX DIFFERENCES IN FEATURES OF ANORECTAL DYSFUNCTION: A CONSECUTIVE STUDY OF 100 MALES AND 100 FEMALES PRESENTING FOR INVESTIGATION OF FAECAL INCONTINENCE
DC Townsend (1,2), EV Carrington (1,2), R Burgell (1,2), EJ Horrocks (1,2), SM Scott (1,2), CH Knowles (1,2) National Centre for Bowel Research and Surgical Innovation (NCRBSI) (1), GI Physiology Unit, The Wingate Institute (2), Barts and the London School of Medicine and Dentistry, Queen Mary, University of London, United Kingdom

10.05 O127: GLIOMA STEM CELLS EXPLOIT HOST ASTROCYTES TO ENHANCE TUMOUR MIGRATORY AND INVASIVE CAPACITY
A Khajuria (1,2), Tabu K (2), Taga T (2) Imperial College London School of Medicine (1), Department of Stem Cell Regulation, Medical Research Institute, Tokyo Medical and Dental University, Tokyo, Japan (2)

VASCULAR SURGERY 2
Parallel Oral Presentations 4B, JCR, Chairs:
08.45  O128: POPLITEAL ARTERY ANEURYSM GROWTH RATES IN PATIENTS WITH MULTIANEURYSMAL DISEASE  
N Dattani, M Ali, A Aber, E Choke, RD Sayers, M Bown  
University of Leicester

08.52  O129: DEVELOPMENT AND VALIDATION OF CONDITION-SPECIFIC PATIENT-REPORTED OUTCOME MEASURES (PROMS) OF QUALITY OF LIFE, SYMPTOMS AND TREATMENT SATISFACTION FOR PATIENTS WITH AORTIC ANEURYSMS  
G Peach(1), J Romaine(2), MM Thompson(1), C Bradley(2), RJ Hinchliffe(1)  
St George's Vascular Institute(1), Royal Holloway, University of London (2)

08.59  O130: DECISION MAKING IN SYMPTOMATIC MODERATE CAROTID ATHEROSCLEROSIS: A SURVEY OF UK VASCULAR SURGEONS AND STROKE PHYSICIANS  
B Dharmarajah (1,2), A Thapar (1), J Salem (1), TRA Lane (1), ELS Leen (2), Davies AH (1)  
Academic Section of Vascular Surgery, Department of Surgery & Cancer, Imperial College London (1), Division of Experimental Medicine, Department of Medicine, Imperial College London (2)

09.06  O131: METABOLIC PROFILING IN CHRONIC VENOUS ULCERATION OF THE LOWER LIMB - A NEW APPROACH TO AN OLD PROBLEM?  
R Velineni, K Spagou, MS Gohel, E Holmes, AH Davies  
Imperial College London

09.13  O132: CREATING A PREDICTIVE MODEL OF VEIN OUTCOMES  
TRA Lane, IJ Franklin, AH Davies  
Academic Section of Vascular Surgery, Imperial College London

09.20  O133: HOSPITAL BASED EXERCISE PROGRAMME IMPROVES PREOPERATIVE AEROBIC CAPACITY IN ABDOMINAL AORTIC ANEURYSM PATIENTS  
HM Barakat, Y Shahin, P McCollum, IC Chetter  
Academic Surgical Unit, Hull York Medical School, University of Hull

09.27  O134: HIGH SUSCEPTIBILITY OF HUMAN ABDOMINAL AORTIC ANEURYSM (AAA) VASCULAR SMOOTH MUSCLE CELLS (VSMC) TO APOPTOSIS  
MA Bailey(1,2), K Riches(1), DJA Scott(1,2), DJ Beech(1), KE Porter(1)  
The Multidisciplinary Cardiovascular Research Centre, University of Leeds, Leeds (1), The Leeds Vascular Institute, The Leeds General Infirmary, Leeds (2)

09.34  O135: REGIONAL AND SYSTEMIC PROTHROMBOTIC BIOMARKERS IN VARICOSE VEIN PATIENTS AND HEALTHY CONTROLS  
CR Lattimer (1,2), E Kalodiki (1,3), M Azzam (1), G Geroulakos (1,2), J Fareed (3), D Hoppensteadt (3)  
Josef Pflug Vascular Laboratory, Ealing Hospital and Imperial College, London (1), Northwick Park Hospital, Middlesex, UK (2), Thrombosis and Hemostasis Research Laboratory, Loyola University Medical Centre, Maywood, IL, USA (3)

09.41  O136: A RANDOMISED CLINICAL TRIAL COMPARING CONCOMIANT AND SEQUENTIAL PHLEBECTOMY FOLLOWING ENDOVENOUS LASER ABLATION: 5 YEAR OUTCOME RESULTS  
J El-Sheikha, S Nandhra, T Wallace, S Nehemiah, D Carradice, I Chetter  
Academic Vascular Surgery, Hull Royal Infirmary

09.48  O137: A SYSTEMATIC REVIEW OF OPEN REPAIR VERSUS FENESTRATED ENDOVASCULAR ANEURYSM REPAIR OF JUXTARENAL ANEURYSMS  
R Rao, T Lane, I Franklin, AH Davies  
Imperial College London
09.55  O138: OUTCOMES IN ABDOMINAL AORTIC ANEURYSM SURGERY IN IRELAND FOLLOWING THE INTRODUCTION OF EVAR – A POPULATION ANALYSIS
A Heeney, A Rogers, D Winter
St Vincent's University Hospital

10.02  O139: A UK PERSPECTIVE ON INDEPENDENCE AND MOBILITY FOLLOWING INFRA-INGUINAL LOWER LIMB BYPASS SURGERY FOR CRITICAL LIMB ISCHAEMIA
GK Ambler, A Dapaah, N Al Zuhir, PD Hayes, MS Gohel, JR Boyle, K Varty, PA Coughlin
Department of Vascular Surgery, Addenbrooke’s Hospital, Cambridge

ACL/ACF FUTURE PROJECTS PRIZE SESSION
Auditorium, Chairs:

10.45  O140: SONOTHROMBOLYSIS – AN IN VITRO AND IN-VIVO STUDY OF THROMBUS DISSOLUTION USING CONTRAST ENHANCED ULTRASOUND
B Dharmarajah (1, 2), T McKinnon (3), ELS Leen (2), TR Wakefield (4), AH Davies (1)
(1) Academic Section of Vascular Surgery, Department of Surgery & Cancer, Charing Cross Hospital, Imperial College London (2) Division of Experimental Medicine, Department of Medicine, Imperial College London (3) Department of Haematology, Department of Medicine, Imperial College London (4) Conrad Jobst Vascular Laboratory, University of Michigan, USA

10.56  O141: THE FUNCTIONAL ROLE OF TERTIARY LYMPHOID ORGANS IN ALLOGRAfts
R Motallebzadeh (1), S Rehakova (1), E Bolton(1), M Linterman(2), R Brink(3), JA Bradley(1), G Pettigrew(1)
Department of Surgery, Cambridge University (1), Cambridge Institute of Medical Research, Cambridge University (2), Garvan Institute of Medical Research, Sydney (3)

11.07  O142: HYPERMETHYLATION OF THE BRCA1 PROMOTER IN BLOOD DNA IS ASSOCIATED WITH TRIPLE NEGATIVE PHENOTYPE BREAST CANCER
SL Daniels (1), IW Brock (1), D Connelly (1), SS Cross (2), L Wyld (3), A Cox (1)
University of Sheffield Department of Oncology (1), University of Sheffield Department of Neuroscience (2), University of Sheffield Academic Unit of Surgical Oncology (3)

11.18  O143: A RANDOMISED CONTROLLED TRIAL TO ASSESS THE MECHANISM BY WHICH A SUPERVISED EXERCISE PROGRAMME IMPROVES OUTCOMES IN PATIENTS WITH INTERMITTENT CLAUDICATION
R Sarvanandan, RA Lane, IC Chetter
Academic Vascular Unit, Hull Royal Infirmary/Hull York Medical School

11.29  O144: UNRAVELLING THE SIGNALLING PATHWAYS PROMOTING FIBROSIS IN DUPUYTREN'S DISEASE REVEALS TNF AS A THERAPEUTIC TARGET
LS Verjee, JS Verhoeckx, JKK Chan, T Krausgruber, V Nicolaidou, D Izadi, D Davidson, M Feldmann, K Midwood, J Nanchahal
Kennedy Institute of Rheumatology, University of Oxford

11.40  O145: TOWARDS RESTORATIVE NEUROSURGERY: INTERFACING NEURONAL NETWORKS WITH SILICON-BASED MICROELECTRONICS
MA Hughes (1), A Bunting (2), PM Brennan (1), AF Murray (2), MJ Shipston (3)
Division of Clinical Neuroscience, Western General Hospital, Edinburgh (1), Institute for Micro and Nano Systems, University of Edinburgh (2), Centre for Integrative Physiology, University of Edinburgh (3)

11.51  O146: MITOCHONDRIAL SIGNALLING PATHWAYS IN THE PATHOGENESIS OF ACUTE NECROTISING PANCREATITIS
R Mukherjee, R Sutton
NIHR Liverpool Pancreas Biomedical Research Unit
12.02  0147: USE OF A HIGH-THROUGHPUT POLYMER MICROARRAY TO IDENTIFY SYNTHETIC SUBSTRATES THAT INFLUENCE THE BEHAVIOUR OF HUMAN ADIPOSE DERIVED PERIVASCULAR STEM CELLS (PSC)
CC West (1,3), IR Murray (1), Z Jiang (2), KJ Stewart (3), DC Hay (1), M Bradley (2), B Pélaut (1,4)
The Centre for Regenerative Medicine, The University of Edinburgh (1), The Department of Chemistry, The University of Edinburgh (2), The Department of Plastic Surgery, NHS Lothian, Edinburgh (3), Orthopaedic Hospital Research Center, University of California at Los Angeles, USA (4)

ONCOLOGY
Parallel Oral Presentations 5A, Auditorium, Chairs:

12.15  0148: ANEUPLOIDY LEVELS AND MITOTIC CHECKPOINT PROTEINS IN PANCREATIC INTRAEPITHELIAL NEOPLASIA
A Morhan (1), P Griffiths (2), L Hopkins (2), S Doak (1), G Jenkins (2), B Al-Sarireh (1)
College of Medicine, Swansea University (1), Morriston Hospital, Swansea (2)

12.22  0149: CYTOCHROME-C ACTIVITY IN HUMAN PRIMARY AND METASTATIC COLORECTAL TUMOURS
V Cubas (1), J-W Taanman (2), O Ogunbiyi (1), B Fuller (1), B Davidson (1), SN Dijk (1)
Division of Surgery and Interventional Science, Royal Free Campus, UCL Medical School, Pond Street, London NW3 2QG (1), Department of Clinical Neurosciences, UCL Institute of Neurology, Royal Free Campus, Rowland Hill Street, London, NW3 2PF (2)

12.29  0150: IDENTIFICATION AND VALIDATION OF NOVEL VASCULAR ENDOTHELIAL THERAPEUTIC TARGETS IN COLORECTAL CANCER
HJM Ferguson (1,2), J Wragg (1), T Ismail (2), R Bicknell (1)
(1) School of Immunity and Infection and Cancer Studies, Institute for Biomedical Research, College of Medical and Dental Sciences, University of Birmingham, Edgbaston, Birmingham (1), Department of Colorectal Surgery, Queen Elizabeth Hospital, Mindelsohn Way, Birmingham (2)

12.36  0151: TESTING THE EFFICACY OF TARGETED THERANOSTIC LIPOSOMES IN IN-VITRO CANCER MODELS
H Rabadia, V Lopez-Devila, T Magdeldin, A Kamali Dashtarzheneh, B Asger, C Kallis, M Dwek, H Welch, U Cheema, B Ramesh, M Loizidou
University College London

12.43  0152: DICHLOROACETATE MODULATION OF TUMOUR METABOLISM TO AUGMENT 5-AMINOLEVULINIC ACID INDUCED CANCER FLUORESCENCE
G Gossedge (1,2), SL Perry (1), KE Wright (1), DG Jayne (1,2)
Leeds Institute of Biomedical and Clinical Sciences, The University of Leeds (1), St James’s University Hospital, Leeds (2)

12.50  0153: SENTINEL NODE BIOPSY FOR ORAL SQUAMOUS CELL CARCINOMA – RESULTS OF THE SENTINEL EUROPEAN NODE TRIAL (SENT)
C Schilling, European Sentinel Node Group, M McGurk
Guys Hospital, London

12.57  0154: QUANTUM DOTS FOR 3D IMAGING AND DELIVERY IN AN IN VIVO-LIKE TUMOUR MODEL IN A NOVEL MATRIX DEVELOPMENT OF A NOVEL 3D IN VITRO TUMOUR MODEL FOR QD TARGETING AND IMAGING
University College London

13.04  0155: DISCRIMINATION OF LYMPH NODE METASTASES USING DESORPTION ELECTROSpray IONISATION-MASS SPECTROMETRY IMAGING: A PROOF OF CONCEPT STUDY
N Abbassi-Ghadi N, K Veselkov, S Kumar, J Huang, N Strittmatter, S Guenther, H Kudo, R Goldin, Z Takáts and GB Hanna
Imperial College London
O156: COMPUTER TOMOGRAPHY DEFINED BODY COMPOSITION ANALYSIS AND ITS RELATIONSHIP TO THE SYSTEMIC INFLAMMATORY RESPONSE IN PATIENTS UNDERGOING COLORECTAL CANCER SURGERY
G Malietzis (1), N Johns (2), M Giacometti (1), RH Kennedy (1), OD Faiz (1), O Aziz (1), K Fearon (2), JT Jenkins(1)
Department of Colorectal Surgery St Mark's Hospital, Harrow (1), Department of Clinical and Surgical Sciences , University of Edinburgh, Edinburgh (2)

O157: PREDICTIVE VALIDITY OF OBJECTIVE TECHNICAL ASSESSMENT WITHIN THE NATIONAL TRAINING PROGRAMME FOR LAPAROSCOPIC COLORECTAL SURGERY
H Mackenzie, D Miskovic, M Ni, MG Coleman, GB Hanna
Imperial College London

O158: Deregulated stromal microRNA-21 promotes metastatic progression in colorectal cancer
MD Bullock (1), KM Pickard (1), BS Nielsen (2), AE Sayan (1), V Jenei (1), M Mellione (1), R Mitter (3), JN Primrose (1), GJ Thomas (1), GK Packham (1), AH Mirnezami (1)
Cancer Sciences Unit, University of Southampton, UK (1), Molecular Histology, Bioneer A/S, Denmark (2), Bioinformatics Unit, London Research Institute, Cancer Research UK (3)

O159: Under-recognised co-existence of constipation and faecal incontinence in the adult population: a large single-centre experience
EJ Horrocks (1), SM Scott (2), RE Burgell (2), EV Carrington (2), P Yerragorla (2), CH Knowles (1)
National Centre for Bowel Research and Surgical Innovation, Blizard Institute, Queen Mary University London (1), Wingate Institute for Neurogastroenterology, Blizard Institute, Queen Mary University, London (2)

O160: Behavioural animal model of faecal continence
L Devane (1), PR O'Connell (2), JFX Jones (1)
University College Dublin, Ireland (1), St. Vincent’s University Hospital, Dublin, Ireland (2)

O161: Educational level & colorectal cancer risk in developed countries: a systematic review & meta-analysis
(1) A Askari, (1) O Aziz, (1) A Currie, (1) S Nachiappan, (2) T Athanasiou, (1,2) O Faiz
St. Marks Hospital, Imperial College London (1), St. Mary's Hospital, Imperial College London (2)

O162: Time to dispense with mechanical bowel preparation? An observational study of colonic transit time following diverting loop ileostomy for low anterior resection
JM Ali, S Rajaratnam, E Wiodek, N Chatzizacharias, S Upponi, A Clark, M Powar, RJ Davies, R Miller, NR Hall, NS Fearnhead
Cambridge Colorectal Unit, Cambridge University Hospitals NHS Foundation Trust

O163: Histological and mechanical differences in the skin of patients with rectal prolapse
HM Joshi (1,2), AJ Woods (3), N Hawkins (3), C Cunningham (1), I Lindsey (1), OM Jones (1), F Volrath (3), J Urban (4)
Department of Colorectal Surgery, Oxford University Hospitals NHS Trust (1), Academic Department of Surgery, University of Oxford (2), Department of Zoology, University of Oxford (3), Department of Physiology, Anatomy and Genetics, University of Oxford (4)
12.15 O164: DEFINING THE OPTIMAL CONVERSION CHEMOTHERAPY REGIMEN FOR PATIENTS WITH INOPERABLE LIVER ONLY METASTASES FROM COLORECTAL CANCER - A SYSTEMATIC REVIEW AND META-ANALYSIS
SM Robinson (1), JAG Moir (1), A Azzabi (2), DM Manas (1), I Pedley (2), SA White (1) Department of HPB Surgery (1), Department of Medical Oncology (2), Freeman Hospital, Newcastle upon Tyne

12.22 O165: ENDOGENOUS NOTCH-DRIVEN TUMORIGENESIS FUNCTIONS VIA NOTCH3 TO PROMOTE PI3K-AKT MEDIATED CELL SURVIVAL IN INTRAHEPATIC CHOLANGIOCARCINOMA
RV Guest (1), L Boulter (1), T Kendall (1), W-Y Lu (1), A Robson (1), M Komuta (2), A McKinnon (1), D Wotjacha (1), SE Minnis-Lyons (1), R Walker (1), S Lowell (1), T Roskams (2), S Wigmore (1), O Sansom (3), SJ Forbes (1) Scottish Centre for Regenerative Medicine, University of Edinburgh (1), KU Leuven (2), Beatson Institute of Cancer Research (3)

12.29 O166: FOLFOX INDUCED SINUSOIDAL OBSTRUCTION SYNDROME (SOS) IS A POTENTIALLY REVERSIBLE CONDITION
SM Robinson (1,2), J Mann (2), DM Manas(1), DA Mann(2), SA White (1,2) Department of HPB Surgery, Freeman Hospital, Newcastle Upon Tyne (1), Institute of Cellular Medicine, Newcastle University (2)

12.36 O167: IMMUNE DYSFUNCTION AND CHANGES IN INTESTINAL MORPHOLOGY IN PATIENTS WITH OBSTRUCTIVE JAUNDICE
AH Chowdhury (1), M Camera (2), GP Aithal (1), DN Lobo (1) NIHR Nottingham Digestive Diseases Centre Biomedical Research Unit, University of Nottingham (1), School of Molecular Medical Sciences, University of Nottingham (2), Nottingham, United Kingdom

12.43 O168: THE BIOLOGICAL AND CLINICAL SIGNIFICANCE OF DIFFERENT MORPHOLOGIC TYPES OF COLORECTAL LIVER METASTASES
PN Siriwardana 1), M Ghazalay (1), TV Luong (2), J Watkins (2), H Turley (3), K Gatter (4), M Vinciguerra (5), AL Harris (6), D Hochhauser (7), BR Davidson (1) (1)Department of Surgery and Interventional Sciences, Royal Free Hospital and UCL Medical School (1),Department of Pathology, Royal Free Hospital (2), Nuffield Division of Clinical Laboratory Sciences, University of Oxford (3), Radcliffe Department of Medicine, Oxford University Hospital (4), Department of Liver and Digestive Health, University College London (5), Department of Oncology, University of Oxford (6), Department of Oncology, University College London Cancer Institute (7)

12.50 O169: AN INVESTIGATION INTO THE VARIOUS MORPHOLOGICAL DIFFERENCES SEEN WITH THE LIVER PATHOLOGIES ENCOUNTERED WITHIN A CADAVERIC POPULATION
G Donaldson
Queens University Belfast

12.57 O170: TREATMENT OUTCOMES OF FOREGUT VISCERAL ARTERIAL ANEURYSMS (FVAA)
AE Vallance, SM Robinson, DM Manas, JJ French, RM Charnley and SA White Hepato Pancreato Biliary Surgery, Freeman Hospital

13.06 O171: ASSESSMENT OF THE COMPLICATION AND OPERATIVE OUTCOME PROFILE OF SYNCHRONOUS LIVER AND BOWEL SURGERY FOR COLORECTAL CANCER WITH LIVER-LIMITED METASTASES
M Jones, P Shuttleworth, S Jegatheeswaran, S Jamdar, AJ Sheen, AK Siriwardena Hepatobiliary Surgery Unit, Manchester Royal Infirmary

PATEY PRIZE SESSION 2
Auditorium, Chairs: Professor Cliff Shearman and Professor Rob Pickard

14.00 O8: SURVIVAL BENEFIT CONFERRED BY THE ANDROGEN RECEPTOR IS LOST IN AROMATASE INHIBITOR TREATED BREAST CANCER
14.10 09: FLUORESCENT SILICA NANOPARTICLES CONJUGATED TO ANTI-CEA ANTIBODIES ALLOW TUMOUR-SPECIFIC IMAGING OF COLORECTAL CANCER CELLS
JP Tiernan (1,2), PL Coletta (1), N Ingram (1), PA Millner (3), TA Hughes (1), DG Jayne (1,2)
Leeds Institute of Molecular Medicine, University of Leeds (1), The John Goligher Colorectal Unit, St James's University Hospital, Leeds (2) Faculty of Biological Sciences, University of Leeds (3)

14.20 010: THE PXR AS A DRUG TARGET FOR THE PREVENTION OF EARLY GRAFT LOSS FOLLOWING LIVER TRANSPLANTATION
A Amer, A Vallance, DM Manas, MC Wright, SA White
Newcastle upon Tyne Hospitals NHS Foundation Trust

14.30 011: LIVE IMAGING OF HUMAN KERATINOCYTES REVEALS TWO MODES OF CELL PROLIFERATION
A Roshan (1,2), BD Simons (3), K Murai (4), PH Jones (4)
Department of Oncology, University of Cambridge (1), Department of Plastic Surgery, Cambridge University NHS Trust, Cambridge (2), Cavendish Laboratories, University of Cambridge, Cambridge (3), Hutchison/MRC Research Laboratories, Cambridge (4)

14.40 012: ENDOTHELIAL COLONY FORMING CELLS (ECFC) AND THEIR ROLE IN TISSUE ENGINEERING AND WOUND HEALING – MIGRATION, 3D TUBULE FORMATION AND EXPANSION
D Markeson (1,2,3), AS Seifalian (1), SM Watt (3)
University College London Centre for Nanotechnology and Regenerative Medicine, Division of Surgery and Interventional Science, Royal Free Hospital, London (1), Department of Plastic and Reconstructive Surgery, Stoke Mandeville Hospital, Aylesbury (2), Nuffield Department of Clinical Laboratory Sciences and NHS Blood and Transplant, John Radcliffe Hospital, Headington, Oxford (3)

14.50 013: EVALUATING THE ROLES OF WNT, P13K AND MAPK PATHWAYS IN PROSTATE CANCER
AC Cox, MT Jefferies, HG Kynaston, AR Clarke
University Hospital of Wales, Cardiff

15.00 014: UP-REGULATION OF THE E2F FAMILY TRANSCRIPTION FACTORS VIA RETINOBLASTIMA (RB) GENE DELETION RESULTS IN HIGH GRADE/MUSCLE INVASIVE BLADDER CANCER IN GENETICALLY ENGINEERED MOUSE MODELS WHEN COMBINED WITH PHOSPHATIDYLINOSITOL 3-KINASE (P13) PATHWAY DYSFUNCTION
AG Gupta, M Jefferies, S Datta, HG Kynaston, AR Clarke
University Hospital of Wales, Cardiff