

Clinical Surgery

NEWS

Issue I: June 2015

Meet the New Research Manager



**Research Manager:
Dr Katie Shaw**

My background is in academic scientific research; I graduated from the University of Edinburgh with a BSc in Biological Sciences (Pharmacology). After graduating I joined Astra-Zeneca near Manchester for a year before returning to Edinburgh to complete a Wellcome Trust funded MSc and PhD programme as part of the Cardiovascular Research Initiative. After completing my PhD I joined Professor David Newby's combined clinical and basic science research group as a Post-Doctoral Research Fellow studying the atherothrombotic effects of air pollution. During this time I also spent a year at the University of Queensland, Australia as a visiting Research Fellow.

My new role in the Department of Clinical Surgery will be to support the research activities of department, including assisting the students undertaking research projects as part of the Surgical Sciences distance learning courses.

I hope you enjoy reading the first edition of the new research eBulletin for Clinical Surgery. This first edition gives a broad and impressive overview of the research activities and outputs of the Clinical Surgery at the Royal Infirmary of Edinburgh; it features personal achievements, grants awarded in the last couple of years and papers published so far in 2015 - already numbering close to 40 publications for the first 6 months of the year. The eBulletin will be published quarterly and future editions will feature updates on grants and publications as well as highlighting funding opportunities and focusing on individual projects in more depth.



Welcome to The Department of Clinical Surgery eBulletin – a new quarterly newsletter keeping you up-to-date with news and current surgical research at the Royal Infirmary of Edinburgh

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NEW Research in Progress Meeting

9am, OPD4, Royal Infirmary of Edinburgh

Beginning on **Wednesday June 3rd** there will be a new monthly Research in Progress meeting for the department of Clinical Surgery.

The first series until the end of the year will be held @9am on the first Wednesday of the month in OPD 4, RIE

Please note that on **Wednesday July 1st** Anna Krzak, the Open Access Research Publications Administer for the College of

Medicine and Veterinary Medicine, will give a brief talk at the beginning of the research meeting introducing the PURE publication repository. It will soon be mandatory for a copy of the final accepted manuscript of all publications to be deposited in the PURE database within **3 months of acceptance for publication**. Any publications not deposited within 3 months of acceptance will not be eligible for the Research Excellence Framework (REF).

Date	Speaker	Title
June 3rd	Stephen O'Neill	<i>The role of heat shock protein 90 in modulating ischemia-reperfusion injury in the kidney</i>
July 1st	Anna Krzak (Open Access Research Publications Administrator)	<i>A Brief Introduction to the PURE Publication Repository</i>
	Nicola Robertson	<i>Inspiring Future Surgeons - The Art of Anatomy</i>
July 29th	Francesca Th'ng	<i>The role of microRNA biomarkers to predict complications of gallstones</i>
September 7th	Alex Vesey	<i>Translational investigation of cardiovascular disease with PET, MRI and other techniques</i>



Recent Grant Awards

Mr Ewen Harrison

GRANULE Workshop: GeneRAtiNg sUrgical rEcruiters for randomised trials (STARsurg)
Bowel Disease Research Foundation
 2015 - 2016: £23,700

Mr John Casey

Mesenchymal stromal cells for co transplantation with human islets to improve graft survival
Chief Scientist Office
 2014 - 2017: £280,000

3D Cell Printing for Scalable, In-vitro Production of Functional, Microencapsulated Pancreatic Islets for the treatment of type I Diabetes Mellitus: PhD Studentship
Medical Research Scotland
 2014 - 2018: £125,000

Improving cryopreservation of human haematopoietic stem cells and pancreatic islets (Collaboration with University of Cambridge)
MRC Confidence in Concept
 Jan 2015 - July 2015: £65,000

Edinburgh Diabetes Research Trust
 2014 - 2015: £17,000

The alloimmune response to human induced pluripotent stem cells and their differentiated progeny in a humanised mouse model
Wellcome Trust
 2013 - 2016: £350,000

Optimising islet cell engraftment for longterm function
Diabetes UK
 2014 - 2017: £170,000

Mr Gabriel Oniscu

The effect of in-situ normothermic regional perfusion during organ retrieval from donors after circulatory death on liver recovery and ischaemic reperfusion injury
Edinburgh Health Foundation
 2014 - 2015: £55,000

Edinburgh Organ reconditioning hub
Edinburgh Health Foundation
 2014 - 2015: £75,000

Developing a portable oxygen generating device
MRC Confidence in Concept
 2014 - 2015: £66,000

Royal College of Surgeons Small grants
 2014 - 2015: £10,000

Novel technologies national service evaluation (Normothermic Regional Reperfusion and Ex-Vivo Lung Perfusion)
NHSBT
 2015: £517,500

Dr Nichola Robertson

The Art and Anatomy Edinburgh Project
University of Edinburgh Principal's Teaching Award Scheme
 2015 - 2016: £11,148

Mrs Jenny Robson

18F–Sodium Fluoride Imaging of Abdominal Aortic Aneurysms
Chief Scientist Office
 2014 - 2017: £203,730

Professor O J Garden & Mr Damian Mole

Defining the mechanistic role of kynurenine-3-monooxygenase (KMO) inhibition in the resolution of severe acute pancreatitis organ dysfunction: Fellowship for Alistair Hayes
Amelia Waring Fellowship
 2014 - 2017: £180,000

Recent Grant Awards

**Professors Ken Fearon, & Jim Ross,
Mr Chris Deans & Mr Richard Skipworth**

Molecular Pathways of Muscle Wasting in Cancer

Novartis

2015 - 2017: €14,500

*European Society for Clinical Nutrition and
Metabolism (ESPEN)*

Fellowship for Michael Ramage

2015 - 2017: €48,736

Professor Ken Fearon

Myosteatosis and muscle wasting in pancreatic
cancer: murderer, mediator or mirror?

Pancreatic Cancer UK

2014 - 2015: £74,133

Professor Jim Ross

StemBANCC (Stem cells for biological assays of novel
drugs and predictive toxicology)

A consortium of 35 academic and industry partners
*Innovative Medicines Initiative (IMI) and a consortium of
pharmaceutical companies (EFPIA)*

2012-2017: €55.6 million

An induced pluripotent stem cell-derived corneal
differentiation model to investigate the molecular
and cellular basis of ocular differentiation

Edinburgh And Lothian Health Foundation

2014 - 2015: £83,000

Mr Grant Stewart

Development of a novel prognostic signature in
renal cell cancer

Melville Trust Small Research Grant

2015 - 2016; £4700

Congratulations!

Mr Richard Skipworth was awarded the Rank Prize Funds Nutrition Committee Prize for the Best Contributed Paper at The Symposium on Nutrition and Cancer in February 2015

Miss Lorna Marson has had her appointment to Readership approved by the University of Edinburgh Honorary Status Committee taking effect from August 2015

Mr Ewen Harrison has been awarded a James IV Association of Surgeons Travelling Fellowship to visit the USA and Africa to extend his interest in global surgery

Professor Rowan Parks has been elected Vice President of the Association of Surgeons of Great Britain and Ireland 2015-2016, and will become president in 2017-2018. He is also currently President of the Great Britain & Ireland Hepato-Pancreato-Biliary Association (GBIHPBA) for 2015-2016.

Rachel Thomas (supervised by **Miss Lorna Marson**) was awarded the Moynihan Prize at the Association of Surgeons of Great Britain and Ireland Annual Meeting in Manchester for her presentation on the “HOT” study—a randomised controlled trial of heme-arginate in renal transplantation

Professor Ken Fearon has been awarded an honorary degree from the University of Orebro in Sweden for his outstanding contribution to surgery with the development of enhanced recovery after surgery (ERAS)

Mr Nick Ventham received a poster of distinction award at the Digestive Disease Week conference in Washington DC and a short paper of distinction award at the Association of Surgeons of Great Britain and Ireland Annual Meeting in Manchester

Mr Stephen O'Neill has been awarded The Sir Robin MacLellan Travel Award by Tenovus Scotland

Miss Erica Revie, Miss Deepika Akolekar, Miss Olivia McBride and Mr Alastair MacMillan have all been awarded their MD from The University of Edinburgh.

Mr Benjamin Stutchfield, Mr Alex Laird and Miss Rachel Guest have been awarded their PhD from the University of Edinburgh.

Professor James Garden has been elected as an Honorary Fellow of the American College of Surgeons and as an Honorary Fellow of the Royal College of Surgeons of England

Mr Grant Stewart has been awarded the 2014 Syme Medal by The Royal College of Surgeons of Edinburgh

Miss Olivia McBride was awarded 2nd prize in the Royal Society of Medicine Future Projects session for the MA³RS Study

Mr Alex Vesey was Runner up for the Young Investigator Award at the European Atherosclerosis Society 2015 and winner of the Roger Wadsworth Prize at the Scottish Cardiovascular Forum 2015

Mr Ian Currie was awarded the Edinburgh Bioquater Innovation Prize for his innovative device to measure tissue fat in liver transplant grafts

Miss Anna Paisley and the Clinical Audit team were awarded first prize at the NHS Lothian Clinical Improvement Dean's Poster Prize Session for the rolling audit on Venous Thromboembolism

Mr Gabi Oniscu (Mentor) and **Mr Andrew Sutherland** (Mentee) were won the Rising Star Award at International Liver Transplant Society in London

Clinical Trials Update

Recruiting **NOW**

The Relationship of Initial Liver Profile and Outcome After Transplantation

Principle Investigator: Ewen Harrison
Contact: Stephen O'Neill

EPOCH— Enhanced Per-Operative Care for High-Risk Patients Trial

Site Lead: Ewen Harrison
Cluster Lead (Scotland): Mike Gillies

Inflammatory Bowel Disease (IBD) Biomarkers Programme: Investigating Biomarkers in IBD

Edinburgh Investigators: Professor Jack Satsangi and Mr Nick Ventham

OCCAMS—Oesophageal Cancer Clinical and Molecular Stratification Study

Tissue collection for A Multicentre Study Determining Predictive Biomarkers & Targets for Oesophageal Adenocarcinoma
Contact: Richard Skipworth

A-PREDICT - A Phase II Study of Axitinib in Patients With Metastatic Renal Cell Cancer Unsuitable for Nephrectomy

Edinburgh Principle Investigator: Grant Stewart

The SoFIA³ Study - Sodium Fluoride Imaging (18F-NaF PET-CT) in Abdominal Aortic Aneurysms

Chief Investigator: Jenny Robson

Recruitment Commencing Soon

PREVENTT- iron supplementation before resectional surgery

Site Principle Investigator: Ewen Harrison; Mike Gillies
Site contact: Richard Skipworth

ROMIO - Randomised Oesophagectomy: Minimally Invasive or Open, a feasibility study.

Contact: Richard Skipworth

neo-AEGIS - neoadjuvant chemo (MAGIC protocol) vs neoadjuvant chemo radiation (CROSS protocol) in oesophageal and junctional cancer)

Contact: Richard Skipworth

Clinical Trials Update

Recruitment recently completed

HOT - Induction of HO-1; a Therapeutic Approach to Reduce Ischemia Reperfusion (IRI) Following Deceased Donor Renal Transplantation

Study director: Miss Lorna Marson

Principle Investigators: Miss Rachel Thomas, Mr Stephen McNally, Mr David Kluth

ePiNET - Epidemiological Study of Risk Factors for Sporadic Pancreatic Neuro-Endocrine Tumors

Investigators: Mr Alastair Hayes, Dr Lucy Wall, Mr Mark Strachan, Dr Karen Hayes, Mr Christos Skouras, Mr Rowan Parks

LIVER-2- The Effects of Local Infiltration Versus Epidural Following Liver Resection 2

Principle Investigator: Mr Michael J Hughes.

PETALS - Paracetamol Metabolism After Liver Surgery

Principle Investigator: Mr Michael J Hughes

EAGLE - Energy Expenditure and Regeneration Following Liver Resection

Study director: Professor Stephen Wigmore

Principle Investigator: Mr Michael J Hughes

GlobalSurg1- Determining Universal Processes Related to Best Outcome in Emergency Gastrointestinal Surgery: an International Evaluation

Principle Investigator: Mr Ewen Harrison

The Golden Plaque Study

Principle Investigator: Mr Alex Vesey

The MICA study - Molecular Imaging in Carotid Atherosclerosis

Principle Investigator: Mr Alex Vesey

The MA³RS Study - MRI in Abdominal Aortic Aneurysms to Predict Rupture or Surgery

Co-Investigator: Mrs Jenny Robson

Principle investigators: Miss Olivia McBride, Mr Alex Vesey

Clinical Audit Update

The rolling programme of audits within the Department of Surgery continues to be undertaken principally by the Year 1 and 2 Foundation Doctors and coordinated by **Miss Anna Paisley**.

A core set of studies stem from NHS Lothian required Patient Safety Projects, while others relate to areas of clinical interest within the department.

Currently trainees are conducting initial audits of Gentamicin Prescribing, Intravenous Fluid Prescribing, and Analgesia Prescribing. They are also re-

auditing Sepsis 6, Medicines Reconciliation, Emergency Admission Urinalysis, Pregnancy & Chlamydia Testing and Time to Senior Surgeon Review for Emergency Admissions.

Forthcoming M&M meeting presentations include:

- 3 June: Analgesia Prescribing: **Sam Crossley, Caroline Thompson, Naomi Heller**
- 10 June: Gentamicin Prescribing: **Sam Hayward**
- 17 June: Medicines Reconciliation: **Tori Lee, Natalie Lane**

NEW Lecturers & Research Fellows

In August the department will welcome the following new Research Fellows and Lecturers

The next edition of the eBulletin in the autumn will feature full profiles of the new Fellows and more details about their research projects

Rachel Guest joins the department as a Clinical Lecturer in August

Michael Ramage will begin a 2 year MD project funded by Novartis. His project will involve research into muscle kinetics in upper GI cancer patients and will be supervised by Professor Ken Fearon, Professor Jim Ross, Mr Chris Deans and Mr Richard Skipworth. Michael has also recently been awarded a European

Society for Clinical Nutrition and Metabolism (ESPEN) fellowship to support his studies

Diana Wu will begin a PhD supervised by Mr Gabi Oniscu and Mr Ewen Harrison and funded by the NIHR ATTOM grant (Access to Transplantation and Transplant Outcome measures). She will be developing a survival prediction tool for patients joining the transplant list and will work on alternative kidney allocation models.

Jenna Langschmidt will be the new Anatomy Teaching Fellow

Paul Yang and Ross Dolan are the new Spire Murrifield Resident Medical Officer/ Clinical Research Fellows

Future Conference Submission **Deadlines**

Conference	Date	Location	Abstract Submission
<i>Academic and Research Surgery (SARS)</i>	<i>6-7 January 2016</i>	<i>Royal College of Surgeons, London</i>	<i>July—September 2015</i>
<i>British Transplant Society (BTS)</i>	<i>24-26 February 2016</i>	<i>Glasgow</i>	<i>TBC</i>
<i>International Hepato-Pancreato-Biliary Association (IHPBA)</i>	<i>20-23 April 2016</i>	<i>Sao Paulo, Brazil</i>	<i>April 20—September 14 2015</i>
<i>International Meeting of Ischemia Reperfusion Injury in Transplantation (IMIRT)</i>	<i>20-22 April 2016</i>	<i>Poitiers, France</i>	<i>TBC</i>
<i>Association of Surgeons of Great Britain and Ireland</i>	<i>11-13 May 2016</i>	<i>Belfast</i>	<i>TBC</i>
<i>Association of Upper Gastrointestinal Surgeons of Great Britain and Ireland</i>	<i>September 2016</i>	<i>TBC</i>	<i>TBC</i>
<i>American College of Surgeons Clinical Congress</i>	<i>16-20 October 2016</i>	<i>Washington</i>	<i>TBC</i>

Recent Publications

Shrestha S, Bradbury L, Boal M, Blackmur JP, Watson CJE, Taylor CJ, Forsythe JLR, Johnson R, Marson LP. **Logistical Factors influencing Cold Ischaemia Times In Deceased Donor Kidney Transplants, *Transplantation*, 2015, in press.**

Tse GH, Johnston CJ, Kluth D, Gray M, Hughes J, Gray D, Marson LP. **Intra-renal B-cell cytokines promote transplant fibrosis and tubular atrophy. *American Journal of Transplantation*, 2015, in press.**

Alam S, Tse GH, Stirrat C, MacGillivray TJ, Lennen R, Jansen M, Newby DE, Henriksen P, Marson LP. **Nanoparticle enhanced MRI scanning to detect cellular inflammation in experimental chronic renal allograft rejection. *Int. J. Mol. Imaging*, 2015, in press.**

Thomas R, Czopek A, Bellamy C, McNally SJ, Kluth DC, Marson LP. **Heme arginate pre-conditioning upregulates heme-oxygenase 1 in deceased donor renal transplant recipients and may offer protection: a randomised, controlled phase IIb trial, *Transplantation*, in press**

Stephens NA, Skipworth RJE, Gallagher IJ, Greig CA, Guttridge DC, Ross JA, Fearon KCH. **Evaluating potential biomarkers of cachexia and survival in skeletal muscle of upper gastrointestinal cancer patients, *Journal of Cachexia, Sarcopenia and Muscle*, in Press.**

Stewart GD, Riddick ACP, Rae F, Marshall C, MacLeod L, O'Mahony FC, Laird A, McNeill SA, O'Connor KM, O'Donnell M, Fineron P, McLaren DB, Aitchison M, Oades G, Hair J, Seywright M, Little B, Nairn R, Lamb G, Macleod T, Dunn I, Ramsey A, Campbell R, Leung S, McLornan L, Rahilly M, Wilson I, Pollock AM, Harrison DJ. **Translational research will fail without surgical leadership: SCOTRCC a successful surgeon-led Nationwide translational research infrastructure in renal cancer. *The Surgeon. Journal of The Royal Colleges of Surgeons of Edinburgh and Ireland*. In press 2015.**

Stewart GD, Laird A, McNeill SA, B.C. Leibovich. **Observations on transatlantic renal cell cancer surgery outcomes. *BJU International*. In press.**

Stewart GD, Oades G. **Frozen section during partial nephrectomy: an unreliable test that changes nothing? *BJU International*. In press.**

Irkle A & Vesey AT et al. **Identifying active vascular micro-calcification by 18F-sodium fluoride positron emission tomography. *Nature Communications* 2015. In press.**

Trbojević Akmačić I, Ventham NT, Theodoratou E, Vučković F, Kennedy NA, Krištić J, Nimmo ER, Kalla R, Drummond H, Štambuk J, Dunlop MG, Novokmet M, Aulchenko Y, Gornik O, Campbell H, Pučić Baković M, Satsangi J, Lauc G; **IBD-BIOM Consortium Inflammatory Bowel Disease Associates with Proinflammatory Potential of the Immunoglobulin G Glycome. *Inflamm Bowel Dis*. 2015 Apr 29. [Epub ahead of print]**

Hudson A, Bradbury L, Johnson R, Fuggle SV, Shaw JAM, Casey JJ, Friend PJ, Watson CJE. **The UK pancreas allocation scheme for whole organ and islet transplantation. *American Journal of Transplantation* 2015 (in Press)**

Forbes S, McGowan N, Duncan D, Anderson D, Barclay J, Mitchell D, Docherty K, Campbell JMD, Casey JJ. **Islet Transplantation From A Nationally Funded UK Center Reaches Socially Deprived Groups with Improved Metabolic Outcomes. *Diabetologia* 2015 (in press)**

Laird A, Fowler S, Good DW, Stewart GD, Srinivasan V, Cahill D, Brewster SF, McNeill SA. **Contemporary practice and technique-related outcomes for radical prostatectomy in the UK: a report of national outcomes. *BJU Int*. 2015 May; 115(5):753-63.**

Hughes M, Coolson MM, Aahlin EK, Harrison EM, McNally SJ, Dejong CH, Lassen K, Wigmore SJ. **Attitudes of patients and care providers to enhanced recovery after surgery programs after major abdominal surgery. *J Surg Res*. 2015 Jan; 193(1):102-10.**

Recent Publications

Stewart GD, O'Mahony FC, Laird A, Eory L, Lubbock ALR, Mackay A, Nanda J, O'Donnell M, Mullen P, McNeill SA, Riddick ACP, Berney D, Bex A, Aitchison M, Overton IM, Harrison DJ, Powles T. **Sunitinib treatment exacerbates intratumoral heterogeneity in metastatic renal cancer.** *Clinical Cancer Research*. 2015. In press.

Haugvik SP, Hedenström P, Korsæth E, Valente R, Hayes A, Siuka D, Maisonneuve P, Gladhaug IP, Lindkvist B, Capurso G. **Diabetes, Alcohol Use, and Family History of Cancer as Risk Factors for Pancreatic Neuroendocrine Tumors: A systemic review and meta-analysis.** *Neuroendocrinology*, 2015 Jan

Laird A, Harrison DJ, Stewart GD. **The development of prognostic and predictive biomarkers in renal cell cancer are not one and the same thing.** *Eur Urol*. 2015 Jan; 67(1):21-2.

Kennedy A, Bester L, Salem R, Sharma RA, Parks RW, Ruszniewski P. **Role of hepatic intra-arterial therapies in metastatic neuroendocrine tumours (NET): guidelines from the NET-Liver-Metastases Consensus Conference.** *HPB (Oxford)*. 2015 Jan; 17(1):29-37.

Staerkle RF, Skipworth RJ, Hansen RD, Hazebroek EJ, Smith GS, Leibman S. **Acute Paraesophageal Hernia Repair: Short-term Outcome Comparisons With Elective Repair.** *Surg Laparosc Endosc Percutan Tech*. 2015 Apr; 25(2):147-50.

Wilson K, Mole DJ, Homer NZ, Iredale JP, Auer M, Webster SP. **A magnetic bead-based ligand binding assay to facilitate human kynurenine 3-monooxygenase drug discovery.** *J Biomol Screen*. 2015 Feb; 20(2):292-8.

MacDonald AJ, Johns N, Stephens N, Greig C, Ross JA, Small AC, Husi H, Fearon KC, Preston T. **Habitual Myofibrillar Protein Synthesis Is Normal in Patients with Upper GI Cancer Cachexia.** *Clin Cancer Res*. 2015 Apr 1; 21(7):1734-40.

Dreyer SB, Burns P. **Ruptured abdominal aortic aneurysms: decreasing incidence may reduce the impact of a Scottish screening programme.** *Scott Med J*. 2015 Feb; 60(1):23-8.

Martin L, Senesse P, Gioulbasanis I, Antoun S, Bozzetti F, Deans C, Strasser F, Thoresen L, Jagoe RT, Chasen M, Lundholm K, Bosaeus I, Fearon KH, Baracos VE. **Diagnostic criteria for the classification of cancer-associated weight loss.** *J Clin Oncol*. 2015 Jan 1; 33(1):90-9.

Palacio-Torralla J, Hammer S, Good DW, McNeill SA, Stewart GD, Reuben RL, Chen Y. **Quantitative diagnostics of soft tissue through viscoelastic characterization using time-based instrumented palpation.** *J Mech Behav Biomed Mater*. 2015 Jan; 41:149-60.

Martin DS, Cobb A, Meale P, Mitchell K, Edsell M, Mythen MG, Grocott MP. **Systemic oxygen extraction during exercise at high altitude.** *Br J Anaesth*. 2015 Apr; 114(4):677-82.

Singh P, Harrison E, Bhangu A. **Trainee Involvement in Surgery Is an Asset to the Surgical Team.** *Ann Surg*. 2015 Jan 8;

Good DW, Stewart GD, Laird A, Stolzenburg JU, Cahill D, McNeill SA. **A Critical Analysis of the Learning Curve and Postlearning Curve Outcomes of Two Experience- and Volume-Matched Surgeons for Laparoscopic and Robot-Assisted Radical Prostatectomy.** *J Endourol*. 2015 Feb 25;

Good DW, Delaney H, Laird A, Hacking B, Stewart GD, McNeill SA. **Consultation audio-recording reduces long-term decision regret after prostate cancer treatment: A non-randomised comparative cohort study.** *Surgeon*. 2015 Jan 27;

Recent Publications

Husi H, Skipworth RJ, Cronshaw A, Stephens NA, Wackerhage H, Greig C, Fearon KC, Ross JA. **Programmed cell death 6 interacting protein (PDCD6IP) and Rabenosyn-5 (ZFYVE20) are potential urinary biomarkers for upper gastrointestinal cancer.** *Proteomics Clin Appl.* 2015 Jan 30;

Boulter L, Guest RV, Kendall TJ, Wilson DH, Wojtacha D, Robson AJ, Ridgway RA, Samuel K, Van Rooijen N, Barry ST, Wigmore SJ, Sansom OJ, Forbes SJ. **WNT signaling drives cholangiocarcinoma growth and can be pharmacologically inhibited.** *J Clin Invest.* 2015 Mar 2; 125(3):1269-85.

O'Neill S, Oniscu GC, Harrison EM. **Faster may be better for anastomosis time, but does it really affect survival?** *Transpl Int.* 2015 Jun; 28(6):764.

Harrison EM, O'Neill S, Wigmore SJ, Garden OJ. **Comparison of Binary Predictive Scoring Systems of Posthepatectomy Liver Failure.** *Ann Surg.* 2015 Feb 25;

Le Page PA, Velu PP, Penman ID, Couper GW, Paterson-Brown S, Lamb PJ. **Surgical and endoscopic management of high grade dysplasia and early oesophageal adenocarcinoma.** *Surgeon.* 2015 Mar 2;

Stewart GD, Laird A, McNeill SA, Leibovich BC. **Observations on transatlantic renal cell cancer surgery outcomes.** *BJU Int.* 2015 Mar 6;

Teasdale E, Masson N, Harrison EM. **Cholangitis 3 years after laparoscopic cholecystectomy.** *ANZ J Surg.* 2015 Mar

Stutchfield BM, Parks RW. **Aerosolized Local Anaesthetic to Reduce Postoperative Pain.** *World J Surg.* 2015 Mar

Griffin JL, Clarke GA, Roake JA, Lewis DR. **A nurse-run clinic for patients with incidentally discovered small abdominal aortic aneurysms is feasible and cost-effective.** *Vascular.* 2015 Apr; 23(2):138-43

Forbes S, McGowan NW, Duncan K, Anderson D, Barclay J, Mitchell D, Docherty K, Turner D, Campbell JD, Casey JJ. **Islet transplantation from a nationally funded UK centre reaches socially deprived groups and improves metabolic outcomes.** *Diabetologia.* 2015 Jun; 58(6):1300-8.

McBride OM, Berry C, Burns P, Chalmers RT, Doyle B, Forsythe R, Garden OJ, Goodman K, Graham C, Hoskins P, Holdsworth R, MacGillivray TJ, McKillop G, Murray G, Oatey K, Robson JM, Roditi G, Semple S, Stuart W, van Beek EJ, Vesey A, Newby DE. **MRI using ultrasmall superparamagnetic particles of iron oxide in patients under surveillance for abdominal aortic aneurysms to predict rupture or surgical repair: MRI for abdominal aortic aneurysms to predict rupture or surgery-the MA(3) RS study.** *Open Heart.* 2015

Ventham NT, Gardner RA, Kennedy NA, Shubhakar A, Kalla R, Nimmo ER; IBD-BIOM Consortium, Fernandes DL, Satsangi J, Spencer DI. **Changes to serum sample tube and processing methodology does not cause inter-individual variation in automated whole serum N-glycan profiling in health and disease.** *PLoS One.* 2015 Apr 1;10(4)

Laird A, Choy KC, Delaney H, Cutress ML, O'Connor KM, Tolley DA, McNeill SA, Stewart GD, Riddick AC. **Matched pair analysis of laparoscopic versus open radical nephrectomy for the treatment of T3 renal cell carcinoma.** *World J Urol.* 2015 Jan; 33(1):25-32.

Brooke-Smith M, Figueras J, Ullah S, Rees M, Vauthey JN, Hugh TJ, Garden OJ, Fan ST, Crawford M, Makuuchi M, Yokoyama Y, Buchler M, Weitz J, Padbury R. **Prospective evaluation of the International Study Group for Liver Surgery definition of bile leak after a liver resection and the role of routine operative drainage: an international multicentre study.** *HPB (Oxford).* 2015 Jan; 17(1):46-51.

Upcoming Events

RCSEd EVENTS IN **BIRMINGHAM** October 2015

Research Collaborative Meeting

'Frontiers in Surgery - Research Collaboratives'

21 October 2015

Macdonald Burlington Hotel, Birmingham



The Faculty of Surgical Trainers Annual Meeting

'Achieving Excellence in Surgical Training'

22 October 2015

Macdonald Burlington Hotel, Birmingham

To book a place on these courses and events,
please visit www.rcsed.ac.uk



Edinburgh School of Surgery Day December 4th, 2015

In The Next Edition of the Clinical Surgery eBulletin

The autumn edition of the eBulletin will feature:

- ◆ Full profiles of the new Research Fellows and their projects
- ◆ Support and information for Honorary University of Edinburgh staff
- ◆ Funding opportunity highlights
- ◆ Update on the PURE publication depository