

Clinical Surgery

Issue VI: September 2016

In Memoriam

Professor Kenneth Fearon

3 August 1960 - 3 September 2016



The department were extremely saddened by the sudden and tragic death of our colleague, Professor Ken Fearon.

Following his early surgical training in Glasgow, Ken moved to join the department of Clinical Surgery in Edinburgh with Professor Sir David Carter in 1988. A skilled colorectal surgeon with clinical research interests in trial methodology, Ken was appointed as Professor of Surgical Oncology here at Edinburgh University in 1999.

Following his early postgraduate research with Professor Sir Kenneth Calman in the Department of Oncology at Glasgow University, Ken developed a life long interest in cancer cachexia, human nutrition, metabolism and the metabolic response to surgery,

He conducted several of the largest prospective randomised intervention trials in cancer cachexia and had a major interest in nutritional pharmacology.

Ken also had a keen interest in improvement of clinical outcomes—he was a founding member of the Enhanced Recovery After Surgery (ERAS) Group and Chairman of the Board of the ERAS Society.

He served on numerous national and international committees, influencing the direction of research in cancer and palliative care, particularly through his roles in the National Cancer Research Institute.

Ken received many accolades during his career; most recently he was awarded an Honorary Doctorate by Orebro University in Sweden .

In addition to his academic achievements, Ken was a most sympathetic, skilled and caring surgeon. He will be greatly missed by his colleagues and his untimely death leaves a tremendous void in British and international academic surgery.

Professor Fearon's full obituary can be read in the [Glasgow Herald](#).

*Welcome to the
September edition
of the Department
of Clinical Surgery
eBulletin*

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News Round Up

James IV Travelling Fellowship

Dr Sean C. Grondin, MD, MPH, FRCS, FACS



Dr Sean Grondin, Clinical and Academic Department Head of The Department of Surgery at Alberta Health Services and the University of Calgary's Cumming School of Medicine, will visit the Department of Clinical Surgery as part of his James IV Travelling Fellowship at the end of November 2016.

Dr Grondin is a cardiothoracic surgeon with clinical areas of interest including all aspects of thoracic oncology as well as the application of minimally invasive surgical techniques in the treatment of benign diseases such as hyperhidrosis. His research interests include workforce planning, leadership skill development and surgical education

Convention Edinburgh Ambassador of the year 2016



Professor James Garden was awarded Ambassador of the Year at Convention Edinburgh's 20th Anniversary Awards ceremony on 14th September. The award recognises sustained contributions

to attracting visitors and delivering conferences in Edinburgh

Photograph courtesy of Simon Williams Photography

Clinical Audit Update



The latest presentations from the Clinical Audit programme, coordinated by **Miss Anna Paisley** and undertaken by Foundation Year doctors, were given over the summer.

Audits on Admission ECG/CXR, perioperative diabetic management and various aspects of prescribing were presented.



All welcome!

The next audit presentation session will be delivered over autumn. Please look out for the announcement and come along to support the FY presenters and learn about the results of the departmental audits.

PURE Reminder

Have you had a manuscript accepted for publication recently?

All manuscripts must now be deposited in the PURE publication repository within **3 months of acceptance** in order to comply with the University of Edinburgh Open Access Policy and qualify for the next Research Excellence Framework (REF).

What do you need to do?

Please send the finally accepted version of your manuscript and forward the acceptance email to:

Pure.ClinSurg@ed.ac.uk

The Clinical Surgery Research Manager, Katie Shaw, will deposit manuscripts in PURE on your behalf.

Thank you to everyone who has forwarded manuscripts so far

More information about PURE can be viewed at www.ed.ac.uk/governance-strategic-planning/research/pure

Recent Grant Awards

Ben Stutchfield & Stuart Forbes *CSF1 in acute-on-chronic liver injury*

A grant to study the effect of CSF1 (macrophage colony stimulating factor) in preclinical models of chronic and acute-on-chronic liver injury

£200,000: Novartis

Research in Progress Meeting

The Autumn programme for the Clinical Surgery Research meeting will begin on **Friday October 7th, 3.30m, OPD 4 (RIE)**. All welcome

Michael Hughes will give a presentation of his research entitled "*Enhanced Recovery After Liver Resection*".

Recent Publications

McBride OM, Mofidi R, Griffiths GD, Dawson AR, Chalmers RT, Stonebridge PA. **Development of a Decision Tree to Streamline Infrainguinal Vein Graft Surveillance.** *Ann Vasc Surg*, S0890-5096(16)30426-5; 2016

Aahlin EK, Tranø G, Johns N, Horn A, Søreide JA, Fearon KC, Revhaug A, Lassen K. **Health-Related Quality of Life, Cachexia and Overall Survival After Major Upper Abdominal Surgery: A Prospective Cohort Study.** *Scand J Surg.* 2016

Skouras C, Zheng X, Binnie M, Homer NZM, Murray TBJ, Robertson D, Briody L, Paterson F, Spence H, Derr L, Hayes AJ, Tsoumanis A, Lyster D, Parks RW, Garden OJ, Iredale JP, Uings IJ, Liddle J, Wright WL, Dukes G, Webster SP, Mole DJ. **Increased levels of 3-hydroxykynurenine parallel disease severity in human acute pancreatitis.** *Scientific Reports.* In Press; 2016

RJ McGregor, R Ogle, P Hadoke. **In Vivo Assays for Assessing the Role of the Wilms' Tumor Suppressor-1 (Wt1) in Angiogenesis.** *Methods Mol Biol*, 1467:93-104; 2016

Melloul E, Hübner M, Scott M, Snowden C, Prentis J, Dejong CH, Garden OJ, Farges O, Kokudo N, Vauthey JN, Clavien PA, Demartines N. **Guidelines for Perioperative Care for Liver Surgery: Enhanced Recovery After Surgery (ERAS) Society Recommendations.** *World J Surg*, In Press ; 2016

Pugh SA, Bowers M, Ball A, Falk S, Finch-Jones M, Valle JW, O'Reilly DA, Siriwardena AK, Hornbuckle J, Rees M, Rees C, Iveson T, Hickish T, Maishman T, Stanton L, Dixon E, Corkhill A, Radford M, Garden OJ, Cunningham D, Maughan TS, Bridgewater JA, Primrose JN. **Patterns of progression, treatment of progressive disease and post-progression survival in the New EPOC study.** *Br J Cancer*, 115(4):420-4; 2016

Ramage LE, Akyol M, Fletcher AM, Forsythe J, Nixon M, Carter RN, van Beek EJ, Morton NM, Walker BR, Stimson RH. **Glucocorticoids Acutely Increase Brown Adipose Tissue Activity in Humans, Revealing Species-Specific Differences in UCP-1 Regulation.** *Cell Metab*, 24(1):130-41; 2016

Khoo E, O'Neill S, Brown E, Wigmore SJ, Harrison EM. **Systematic review of systemic adjuvant, neoadjuvant and perioperative chemotherapy for resectable colorectal-liver metastases.** *HPB*, 18 (6):485-93; 2016

Knight SR, Oniscu GC, Devey L, Simpson KJ, Wigmore SJ, Harrison EM. **Use of Renal Replacement Therapy May Influence Graft Outcomes following Liver Transplantation for Acute Liver Failure: A Propensity-Score Matched Population-Based Retrospective Cohort Study.** *PLoS One*, 11 (3):e0148782; 2016

Recent Publications

Brzeszczyńska J, Johns N, Schilb A, Degen S, Degen M, Langen R, Schols A, Glass DJ, Roubenoff R, Greig CA, Jacobi C, Fearon KCh, Ross JA. **Loss of oxidative defense and potential blockade of satellite cell maturation in the skeletal muscle of patients with cancer but not in the healthy elderly.** *Aging*,8:1690-702; 2016

Nixon M, Mackenzie SD, Taylor AI, Homer NZ, Livingstone DE, Mouras R, Morgan RA, Mole DJ, Stimson RH, Reynolds RM, Elfick AP, Andrew R, Walker BR. **ABCC1 confers tissue-specific sensitivity to cortisol versus corticosterone: A rationale for safer glucocorticoid replacement therapy.** *Sci Transl Med*, 8: (352); 2016

Hayes AJ, Mole DJ **Mitogen-Activated Protein Kinase/ Extracellular Signal-Regulated Kinase Kinase Inhibition During Sepsis Dampens the Early Systemic Inflammatory Response.** *Crit Care Med*, 44(8):1628-9; 2016

Mole DJ, Gungabissoon U, Johnston P, Cochrane L, Hopkins L, Wyper GM, Skouras C, Dibben C, Sullivan F, Morris A, Ward HJ, Lawton AM, Donnan PT. **Identifying risk factors for progression to critical care admission and death among individuals with acute pancreatitis: a record linkage analysis of Scottish healthcare databases.** *BMJ Open*. 6(6) ;2016

Taylor DM, Bradley JA, Bradley C, Draper H, Johnson R, Metcalfe W, Oniscu G, Robb M, Tomson C, Watson C, Ravanan R, Roderick P; **ATTOM Investigators. Limited health literacy in advanced kidney disease.** *Kidney Int.*, 90(3):685-95; 2016

Tulloch B, de Beaux A. **Defects and donuts: the importance of the mesh:defect area ratio.** *Hernia*, In press; 2016

Upcoming Events



Edinburgh School of Surgery Day December 2nd, 2016



The guest lecture at this year's School of Surgery day will be delivered by **Professor Jane Blazeby**, Professor of Surgery at Bristol University

Abstract submission deadline: **5pm, Fri Oct 28th**

The Chiene Medal for Basic Science research and The Ian B Macleod Medal for Clinical Research will be awarded at the event.

Please submit abstracts and register for the event by emailing Susan Keggie (s.keggie@ed.ac.uk)

HealthyR

R for healthcare data analysis

A new 2.5 day quick start course for health care professionals wanting to learn data analysis using R

Course content will specifically focus on health related data analysis and statistics. Applicable to complete beginners and to those wishing to enhance their R skills.

Taught by a faculty with over 20 years experience of R

November 23—25th 2016, Chancellors Building, University of Edinburgh

£150 for UoE students/Research Fellows, £250 for UoE/NHS staff or £350 for external

For more information and to register please contact the Clinical Surgery Data Manager, Dr Riinu Ots (r.ots@ed.ac.uk)

Clinical Trials Update

**** Now OPEN for Recruitment ****

TWIST—Tracking Wound Infection with Smart Phone Technology

A randomised controlled trial to investigate if a smartphone tool can shorten time to diagnosis of surgical site infections.

All patients (>16) undergoing abdominal surgery who a smartphone are eligible to enter the study. Visually impaired patients are excluded.

Patients will be randomised to receive either standard post-operative care or standard post-operative care plus use of the smartphone tool. Those in the smartphone group will receive a series of questions via text message and have the facility to upload a photograph of their surgical wound.

Primary outcome measure is time to diagnosis of an SSI and secondary outcome measures will consider use of A&E and GP services

For more information please contact Principle Investigator, Mr Ewen Harrison, or Mr Michael Ramage

The Balanced Anaesthesia Study

An international multicentre RCT to assess whether 'deep' general anaesthesia is associated with altered perioperative outcome. Inclusion criteria include age above 60, ASA 3 or 4, and requiring a general anaesthetic of at least 2 hours duration.

Patients will be randomised into 1 of 2 groups, targeting 'deep' or 'less deep' anaesthesia – this is achieved by using BIS (modified EEG) monitoring and targeting a BIS level of 35 or 50. Primary outcome will be all-cause mortality at one year, and secondary outcomes will include various complications of surgery or anaesthesia

For more information contact the Edinburgh principle investigator, Dr Gary Morrison or local research nurse Alastair Lang (0131 242 9453)

OCCAMS—Oesophageal Cancer Clinical and Molecular Stratification.

A Multicentre Study to Determine Predictive and Prognostic Biomarkers and Therapeutic Targets for Oesophageal and Junctional Adenocarcinoma including Whole Genome Sequencing

This study, part of the International Cancer Genome Consortium (ICGC2), has now been refunded by CRUK for 5 years and is currently recruiting.

For more information please contact Mr Rob O'Neil or Mr Richard Skipworth

PREVENTT — Preoperative intravenous iron to treat anaemia in major surgery.

A randomised, double-blind controlled phase III study to compare the efficacy and safety of intravenous ferric carboxymaltose with placebo in patients with anaemia undergoing major open abdominal surgery.

For more information, please contact Edinburgh principle investigators, Mr Ewen Harrison and Mr Richard Skipworth or the local research nurse Mr Alastair Lang (0131 242 9453).

The NeoAegis Trial

A phase III, open-labelled RCT comparing the MAGIC neoadjuvant/adjuvant chemotherapy regimen with the CROSS neoadjuvant chemoradiation protocol in patients with cT2-3 N0-3 M0 adenocarcinoma of the oesophagus or junction. The primary objective is to evaluate 1, 2 and 3-year survival.

This trial is currently recruiting. For more information contact Mr Richard Skipworth.

Coming soon.....

The ROMIO Trial

A multicentre randomised controlled trial comparing minimally invasive versus open esophagectomy for esophageal cancer.

This trial is being run by the University of Bristol and it is anticipated that NHS Lothian will open as a trial site in the coming months.

For more information please contact Mr Richard Skipworth or Mr Peter Lamb

Future Conference Submission **Deadlines**

Conference	Date	Location	Abstract Submission
<i>Americas Hepato-Pancreato-Biliary Association (AHPBA)</i>	<i>29 March—2 April 2017</i>	<i>Miami Beach, Florida, USA</i>	<i>11:59 EDT 30 September 2016</i>
<i>Society for Academic and Research Surgery (SARS)</i>	<i>17-18 January 2017</i>	<i>Dublin, Ireland</i>	<i>July to September 2016</i>
<i>Society on Sarcopenia, Cachexia and Wasting Disorders</i>	<i>10-11 December 2017</i>	<i>Berlin, Germany</i>	<i>30 September 2016</i>
<i>American Transplant Congress</i>	<i>29 April—3 May 2017</i>	<i>Chicago, USA</i>	<i>11:59 PST 2 December 2016</i>
<i>British Transplant Society (BTS)</i>	<i>1-3 March 2017</i>	<i>Harrogate, UK</i>	<i>TBC</i>
<i>European-African Hepato-Pancreato-Biliary Association</i>	<i>23-26 May 2017</i>	<i>Mainz, Germany</i>	<i>15 Sept 2016–18 Jan 2017</i>
<i>Asian-Pacific Hapato-Pancreato-Biliary Association</i>	<i>7-10 June 2017</i>	<i>Yokohama, Japan</i>	<i>8 November 2016</i>
<i>American Surgical Association (ASA)</i>	<i>20-22 April 2017</i>	<i>Philadelphia, USA</i>	<i>09:00 EDT 21 November 2016</i>
<i>International Association of Medical Educators</i>	<i>10-13 June 2017</i>	<i>Burlington, Vermont, USA</i>	<i>15 December 2016</i>
<i>Association of Medical Education in Europe</i>	<i>26-30 August 2017</i>	<i>Helsinki, Finland</i>	<i>TBC</i>