



Trainee-led Surgical Research Collaboratives

- Lessons learnt from the ROSSINI trial

Mr Thomas Pinkney

West Midlands Research Collaborative

- Why we formed
- Our progress
- ROSSINI Trial
 - **Why trainee-led research works**
- The future for trainee-led surgical research

Forming the WMRC

- Difficult to conduct research alone
- Natural network
 - Registrars rotating
 - Potential for multicentre trials
- A multitude of benefits



WMRC - Portfolio

- Multicentre cohort studies
 - CHARMs
 - C. Diff infection in 7 UK hospitals
 - 8,000 patients
 - CANOES
 - Ethnicity outcomes in breast cancer
 - 20,000 patients
 - Gallstone pancreatitis
 - 580 patients
 - SWIFT
- Multicentre RCTs
 - **ROSSINI**
 - DREAMs (portfolio)
 - Dexamethasone for preventing PONV in colorectal surgery
 - ROCCs (IRAS submitted)
 - Preventing incisional hernia in stoma closure

Current Progress

- Around 70 trainees have GCP accreditation and are randomising to ROSSINI
- Many more (junior) trainees are involved in our trials
- £232,000 NIHR RfPB grant for ROSSINI
- £131,000 BDRF grant for DREAMS
- £150,000 company sponsorship for ROCCS
- Papers/Presentations
- National Meetings



ROSSINI

Reduction Of Surgical Site Infection using a Novel Intervention

A randomised controlled trial of a wound-edge protection device to reduce surgical site infection

- Inclusion:** All patients undergoing laparotomy
- Exclusion:** Laparoscopic-assisted surgery
- Online randomisation** with 1:1 intervention (wound-edge protection device) to control
- Blinded wound reviews** pre-discharge (5-7 days) and at 30-33 days post-op
- Quality of life and resource usage data** also collected

Funded by NIHR Research for Patient Benefit programme



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ROSSINI - Sites

University Hospital Birmingham

Russells Hall Hospital

Walsall Manor Hospital

City and Sandwell Hospitals

Heartlands and Good Hope Hospitals

Warwick Hospital

**University Hospital North
Staffordshire**

New Cross Hospital Wolverhampton

**University Hospital Coventry and
Warwickshire**

Royal Shrewsbury Hospital

Princess Royal Hospital Telford

Hereford County Hospital

Royal Derby Hospital

Wrightington, Wigan and Leigh

Derriford Hospital, Plymouth

Hope Hospital, Salford

Royal Devon and Exeter Hospital

Medway

Maidstone + Tunbridge Wells

Torbay

St Marks, London

Leighton, Mid Cheshire

Tameside, Manchester

The Homerton, London

Stepping Hill, Stockport

Queens Medical Centre, Nottingham

Wrexham

Glan Clwyd

Manchester Royal Infirmary



The ideal ROSSINI site

- Pre-op assessment clinic
 - Discussion of study, PIS **FY1**
- Morning of surgery
 - Recruitment + Consent **SpR**
- Randomisation
 - Whilst pt in anaesthetic room **SpR/Consultant**
- Inpatient wound review
 - Before discharge **SHO/CNS/Research Nurse**
- Outpatient (30 day) wound review
 - Arranged by **FY1/research nurse/clerk**
 - Undertaken by **FY1/SHO/SpR/research nurse**

Why ROSSINI is recruiting well

- Simple
- Very broad inclusion criteria
- High levels of interest in SSI at present
- Trainee buy-in in design and running of trial
- Portfolio trial

Other factors leading to success

- Clear authorship policy
- Incentives for high recruitment
- Regular updates from trials unit
 - Weekly paperwork reminders
 - Regular newsletter

WMRC meetings

- Regular and predictable
- Educational element
- Open and inclusive
- Elected committee with regular turnover
- New studies welcomed regularly

Trainee-led surgical research – the bigger picture

1) Running their own high quality trials

2) Getting involved in other RCTs

- Front-line position of trainees eg CREST

- Awareness of other trials eg FIAT
TREC
HOTII

Hurdles

- Engagement of registrars
 - Ownership
- Engagement of consultants
 - Regional training committee
- Rotation of posts
 - Oct 1st

Other research collaboratives

- London - LSRG
- Bristol - SPARCS
- Mersey – MERGS
- Yorkshire
- Kent/Maidstone
- Trent
- National cardiothoracic research collaborative
- Yorkshire Orthopaedic Trainees group

Innovation and Research in Surgery

Wednesday 7th September 2011, 6.45 pm

University of London Senate House

FREE TICKETS AVAILABLE



launch evening...

The London Surgical Research Group in association with LAPResearchUK is proud to announce its inaugural event. Our Launch Evening promises to be inspiring, invigorating and enjoyable.

Register now at www.lsrq.co.uk/launch. Free tickets available. Limited numbers.

Come and listen to some big names in research talk about innovating and pushing the boundaries in surgery.

Ask your burning questions in the Q&A session.

See what research projects you can sign up for straight away.

Network and socialise with drinks and canapes in the reception.

lsrg London Surgical Research Group

www.lsrq.co.uk

In association with **LAPResearchUK**

National Research Collaborative Meetings

- First Meeting in December 2009
 - **Professor Alderson** – How to write and publish paper
 - National trial symposium – updates on trials
 - **Dr Melanie Calvert** – How to set up a new trial
 - Launch of ROSSINI Trial
 - BJS New project presentations

- Second Meeting in December 2010
 - **Mr Paris Tekkis** – Cohort studies
 - **Professor John Buckels** – Developments in hepatobiliary surgery
 - **Professor McGrouther** – The future of clinical surgical research,
 - Launch of DREAMS Trial
 - Future project collaborations – London, Southampton
 - BJS New project presentations



The West Midlands Research Collaborative presents the 2nd

National Research Collaborative Meeting

National Research

Friday 10th December 2010

Novotel, Broad Street, Birmingham. B1 2HT

Free registration

Collaborative Meeting 2011

Programme:

- ROSSINI Investigators Update Meeting
- DREAMS Trial Launch
- Evening education lectures:
 - o **Prof. John Buckels** – Future developments in hepatobiliary surgery
 - o **Mr. Charles Knowles** – The London collaborative experience
- BJS Prize sponsored by LifeCell – Abstract competition

Wednesday 14th Dec 2011 Novotel, Birmingham

Registration: Numbers are restricted; please contact j.m.bradbury@bham.ac.uk to register your interest - you will be asked for a small deposit (£20 - refundable on attendance) to secure your place.

Abstracts: For New Trials Ideas Competition (open to all UK trainees) should be no more than 250 words in length and structured thus: Introduction, Hypothesis and Methods. Please email to abstracts@wmresearch.co.uk before closing date of 5th November 2010. 4 will be chosen for presentation at the meeting, with the best new project proposal presented winning the BJS sponsored prize of £250.

Further information: Go to www.wmresearch.co.uk



Contact us

WMRC Website:

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