



NEWSLETTER



EMergency & INTensive Care Research Group

Thanks to the fantastic help and support of all staff, **EMERGING** continues to grow. Now in its third year our group is a novel collaboration between Emergency Medicine and Critical Care. Our research portfolio is growing & we have had some notable recent successes.

WELCOME!

We welcome **Malak Almashali**, a Doctoral Research Fellow from Saudi Arabia, who will be undertaking a PhD evaluating point of care troponin testing. Malak has a background as a laboratory technician and will be an extremely valuable addition to our team. She will work on the **POC-TROP** study, which is anticipated to commence in mid-2014. Malak will be joined by **Niall Morris**, who will take up a post as a Clinical Research Fellow in the ED in mid-2014. For his PhD, Niall will be deriving a novel algorithm to optimise the ECG diagnosis of acute myocardial infarction.

Finally, we will shortly welcome **Rachel Pearson** to our team as a Clinical Research Nurse, bringing our total number of Clinical Research Nurses to 6.

TOP RECRUITERS

In Critical Care, the Greater Manchester CLRN recruited 1,362 patients to NIHR portfolio studies last year, the 2nd highest in the country. A fantastic achievement!

CONGRATULATIONS!

Many congratulations to **Sheba Pradeep**, Clinical Research Nurse, who has successfully passed her MSc. **Rick Body** was named Principal Investigator of the Year 2013 in the Greater Manchester Clinical Research Awards. Congratulations to all of our team who have achieved recent publications. You can find links to these on our page at the St. Emlyn's blog: www.stemlynsblog.org/emerging. We have recently obtained >£70K grant funding from Abbott Point of Care for the POC-TROP study evaluating point of care troponin testing (Chief Investigator Rick Body).

THANK YOU!

We have completed recruitment to a number of our studies. We recruited 140 patients to

5TH EDITION. QUARTER 1, 2014

the **TRAPID-AMI** study, level highest internationally (of 14 centres). The **MACS trial** (feasibility study) has completed recruitment at CMFT and included 120 patients in total. The **APOC beta HCG study** recruited 77 patients and involved a novel collaboration between ED and the Emergency Gynaecology Unit. The **Metabolomics ACS** study recruited 200 patients and blood samples are currently being analysed. **REMAIC** and **ProMISe** will shortly finish. We are currently the highest recruiting centre for REMAIC and 5th nationally for ProMISe.

Please take a look at our active studies and remember to bleep 5563 if you see anyone who may be eligible.

Thank you!

KEY NUMBERS

Patients in research, April to	
December 2013	846
Active studies	18
Studies pending	9

The EMERGING Mission

To continually strive to improve standards of emergency and intensive care. We aim to produce world-leading, patient-centred research that will promote effective and efficient clinical decision making and optimise the wellbeing of service users, and to provide outstanding training for future generations of clinicians and researchers

Emergency Medicine Studies Currently Recruiting

1. ProMISe

PI: John Butler

RCT comparing protocolised early goal directed therapy for septic shock to standard care.

TARGET POPULATION: Adults with septic shock (2 SIRS, presumed infection + either lactate > 4 or SBP <90mmHg after 1L fluid)

40 patients

(5th nationally)

0.29/week

2. RELAX-2

PI: Rick Body. Sponsored by Novartis

RCT comparing IV serrelaxin (a novel vasodilator) to placebo for patients with acute decompensated heart failure.

TARGET POPULATION: Adults with acute decompensated heart failure

2 patients

(Target 25 in 27 months)

3. HALT-IT

PI: Simon Carley

RCT comparing tranexamic acid to placebo for patients with GI bleeding

TARGET POPULATION: Adults with significant GI bleeding (upper or lower)

9 patients

(Over target: 12/year)

4. Meningitis NW

PI: David McKee (Neurology)

Cohort study evaluating the epidemiology of viral meningitis

TARGET POPULATION: Adults with presumed meningitis

41 patients

(over target)

5. Enceph UK

PI: Craig Ferguson

Cohort study evaluating the epidemiology of encephalitis

TARGET POPULATION: Adults with presumed encephalitis

5 patients

(over target)

6. UK CHIMES (RMCH)

PI: Rachel Jenner

Cohort study evaluating the epidemiology of meningitis and encephalitis in children

TARGET POPULATION: Children with suspected meningitis or encephalitis

TBC

7. CRASH-3

PI: Rick Body

RCT comparing tranexamic acid to placebo for patients with traumatic brain injury

TARGET POPULATION: Adults with head injury and any findings on CT

Imminent

(about to open)

PENDING STUDIES:

We will also shortly be recruiting to:

- **POC-TROP** (cohort evaluating POC troponin testing in patients with suspected cardiac chest pain);
- **PREFER-VTE** (cohort study including patients with PE or DVT identified after scans);
- **EURODEM** (a cohort study evaluating the epidemiology of dyspnoea in the ED);
- **ROSE** (a cohort study evaluating use of rivaroxaban for VTE);
- **Dabigatran reversal** (evaluating a new reversal agent for patients who bleed while on dabigatran).

Critical Care Studies Currently Recruiting

1. FREE

PI: Alison Jefferies

Questionnaire based study to evaluate relatives' experience in Critical Care

TARGET POPULATION: The first 4 relatives visiting patients who have stayed more than 24h in Critical Care

743 patients

(on target)

2. REMAIC

PI: Jane Eddleston

RCT evaluating a rehabilitation programme incorporating amino acid supplements and enhanced physiotherapy for critically ill patients

TARGET POPULATION: Critically ill patients aged 45 years and over during recovery after intensive care

50 patients

(on target)

3. ART-123

UK PI: Jane Eddleston

RCT evaluating recombinant human thrombomodulin for patients with severe sepsis and DIC

TARGET POPULATION: Septic patients with or at high risk of DIC

Awaiting 1st patient

(0 in UK)

4. BREATHE

PI: Mike Sharman

RCT to determine if NIV as an intermediate step in the protocolised weaning of patients off invasive ventilation is clinically and cost-effective

TARGET POPULATION: Patients who have been ventilated for >48h and fail a spontaneous breathing test

Imminent

(just opened)

5. LeoPARDS

PI: Danny Conway

RCT evaluating levosimendan for the prevention of acute organ dysfunction in sepsis

TARGET POPULATION: Adults with presumed infection, 2 of more SIRS and who are dependent on vasopressors to maintain their BP (within 24h of meeting these criteria)

Imminent

(about to open)

6. ZORO

PI: Dougal Atkinson

RCT comparing 3 different combinations of oral and IV antivirals for critically ill patients with influenza

TARGET POPULATION: Patients in Critical Care with influenza

1 patient

(on target)

PENDING STUDIES:

We will also shortly be recruiting to:

- **CAZ-AVI** (phase III RCT of ceftazidime for serious Gram negative infections);
- **ISARIC/WHO Study** (biological sampling from patients with pandemic influenza);

CONTACT US:

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