

Perioperative and critical care research

You will be involved in the care of these patients, at some point, whether intra-operatively or post-operatively. It is only fair, therefore that you have knowledge of it.



Principal Investigator:
Dr Neil MacDonald

Using a cardiac output monitor to deliver Goal - Directed Haemodynamic Therapy intra-op and 4 hours post op.

Using a protocol to guide administration of intra-venous fluid, combined with a low dose inotrope infusion for patients undergoing major elective GI surgery

The Research group will carry out this intervention but you will see the patients in theatre, recovery and ACCU



Principal Investigator:
Dr Andrew Leitch

Early postoperative CPAP to reduce atelectasis and the incidence of subsequent respiratory complications.

CPAP will either be started in ACCU by the clinical team or in Recovery by the Research group



Dr Davina Ross-Anderson

Goal-directed fluid therapy in emergency laparotomy patients—defined using NELA criteria

Using a cardiac output monitor to deliver the intervention intra-op and for 6 hours post op.

You will see these patients in theatres, in recovery and in ACCU. The research group will lead this intervention as much as possible. Experienced members of Anaesthetisa and ACCU have been trained in this study



Principal Investigator:
Dr Gareth Ackland

Patients on chronic ACEi/ARB therapy will have them either continued or stopped immediately prior to elective surgery .

A study to investigate how to reduce the risk of myocardial injury, as a result of elective surgery.

The SPACE trial protocol aims to re-establish patients back on their ACEi/ARBs by POD3. We wish to collaborate with clinical teams to achieve this whilst following a clear study protocol

Genomic advances in sepsis (GAInS)

Prof Charles Hinds

An observational study looking at genetic influences in SEPSIS patients.

We are looking for newly admitted CAP patients or patients with a faecal peritonitis .

We are collecting genetic and biochemical samples to aid genetic understanding and look for new and novel treatments in the future



Perioperative Quality Improvement Programme

Principal Investigator:
Dr Neil MacDonald

An audit to evaluate and to improve the quality of care received by the patient, studying information before, during surgery and the recovery afterwards.

Patients may be co-enrolled in this audit and other interventional studies

You will not be made to do anything you do not want to do. If you have any questions or concerns please contact the research team.

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