SQUEEZE STUDY

Postoperative vasopressor usage: a prospective international observational study

Pilot data

We have found evidence of substantial variation in the frequency of use of postoperative vasopressor infusions following surgery, between countries (EuSOS secondary analysis)

Our micro-survey confirmed to us that clinicians from ESAIC (and ESICM) frequently (22%) or occasionally (58%) encounter patients receiving postoperative vasopressor infusions.

What are we interested in?

Postoperative vasopressor infusions: PVI

Why?

Differences in peri-operative fluid management (amongst other factors) may influence the use of PVI – for example, use of goal-directed fluid therapy (GDFT) may lead to earlier use of PVI.

STEERING COMMITTEE

Ib Jammer (Norway), Ben Creagh-Brown (UK), Lui Forni (UK), Ramani Moonesinghe (UK) and Hannah Wunsch (Canada).

RESEARCH QUESTIONS

- What proportion of patients receive PVI?
- Considering these patients:
  - What is the incidence of associated organ dysfunction; and what are their clinical outcomes?
  - Is there variation in incidence between different healthcare environments?
  - What factors (patient, condition, surgery, and intraoperative management), are associated with receipt of postoperative vasopressor infusions?
- In the management of patients with PVI following surgery, is there variation in practice between patients, hospitals and countries?

SAMPLE SIZE

- ≥20 centres from ≥20 countries
- a total of ≥52,000 patients
- Enrolment period of 12 months

What do we need?

Each hospital will need a principal investigator (PI) to co-ordinate recruitment of participants:
Study in 2 Steps:

1. During a seven day period collecting data from all patients* in each participating hospital to determine the incidence of vasopressor use and the factors associated with need for postoperative vasopressors.
2. 30 consecutive patients* that receive infused postoperative vasopressors.

*aged 18 years or over undergoing non-cardiac surgery (elective and emergency). Excluding day-case and obstetric surgery.

CALL FOR CENTRES

Interested? fill in the online form
https://www.esaic.org/research/clinical-trial-network/

All participating investigators will be listed as collaborators in the final publication.

SPONSOR

European Society of Anaesthesiology and Intensive Care Clinical Trial Network (ESAIC CTN) sponsors this study.

European Society of Anaesthesiology and Intensive Care

ENDORSEMENT

The European Society of Intensive Care Medicine (ESICM) has endorsed this study.

ESICM
EUROPEAN SOCIETY OF INTENSIVE CARE MEDICINE

Questions?

squeeze@esaic.org
research@esaic.org

@squeezestudy