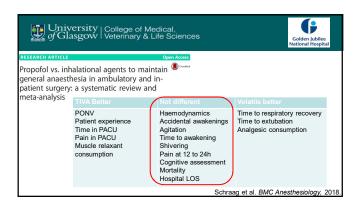
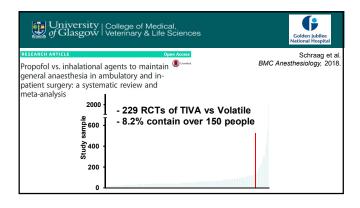


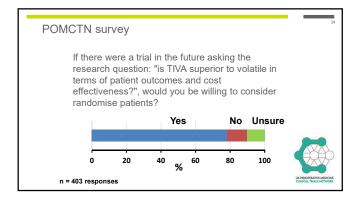
University College of Medical, of Glasgow Veterinary & Life Sciences	Golden Jubilee National Hospital
RESEARCH ARTICLE Open Access	
Propofol vs. inhalational agents to maintain one of the proposition of the patient surgery: a systematic review and meta-analysis	
229 RCTs were included with a total of 20,991 patients	
Schraag et al. <i>BMC An</i>	esthesiology, 2018.







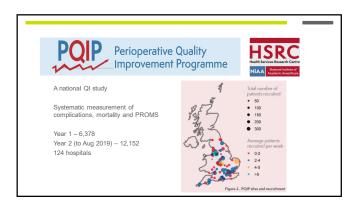
Co-Chief Investigators Dr Joyce Yeung – Warwick Clinical Trials Unit Dr Shaman Jhanji – Royal Marsden / ICR Co-applicants: Dr Ben Shelley – POMCTN Cl's scheme - Glasgow Professor Rupert Pearse – POMCTN - QMUL Professor Ramani Moonesinghe – PQIP - UCL Professor Janet Dunn – Clinical Trials - Warwick Dr Louise Hiller – Statistics - Warwick Professor James Mason – Health Economics - Warwick Dr Cecilia Vindrola – Qualitative methodology - UCL Mr John Braun - PPI Mrs Monica Jefford - PPI



The call

19/49 Call for Ambitious Data-enabled Trials, Health Services and Public Health Research Studies – NIHR is interested in funding studies using innovative <u>data-enabled designs</u> to answer pressing knowledge gaps for health, public health, social care evidence users, NHS patients, people with lived experience and/or policymakers.





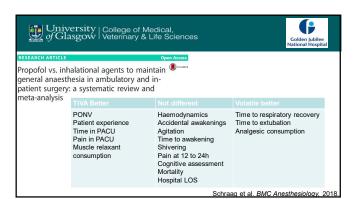
Volatile vs Total intravenous Anaesthesia for major non-cardiac surgery: A pragmatic randomised triaL

Multi-centre pragmatic RCT with health economic evaluation

Primary objective:

To test whether TIVA is superior to inhalational anaesthesia....





Days alive and at home at 30 days (DAH₃₀)?

The ultimate composite outcome? Increased with:

- delayed discharges (postoperative complications)
- discharge to a rehab facility / nursing home
- re-hospitalisation
- postoperative death

"It thus captures much of the surgical experience, integrating efficacy, quality and safety, and thus reflecting value-based care." – P Myles. BMJ, Open 2017



Volatile vs Total intravenous Anaesthesia for major	or
non-cardiac surgery: A pragmatic randomised tria	ıL

Multi-centre pragmatic RCT with health economic evaluation

Primary objective:

To test whether TIVA is superior to inhalational anaesthesia in terms of days alive and at home at 30 days (DAH30), survival and quality of recovery amongst patients undergoing major non-cardiac surgery

- Secondary objective:
 To evaluate safety of TIVA
- To assess cost effectiveness of TIVA



Outcome measures (*already in PQIP)

Primary outcome
 Days alive and at home at 30 days after surgery (DAH30)

- Secondary outcomes

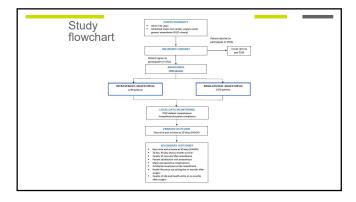
 Days alive and at home at 90 days (DAH90)
- 30-day, 90-day, 6 month mortality
- Quality of recovery after anaesthesia (QoR-15) at day 3*
 Patient satisfaction with anaesthesia (Bauer questionnaire) on day 1*
- Major perioperative complications (Postoperative morbidity survey) on day 7^\star
- Accidental awareness under anaesthesia (modified Brice questionnaire) on day 1, day 3, day of discharge
- Health resource use during the six months after surgery
 QoL (WHODAS, EQ-5D-5L) at baseline, at hospital discharge* and six months after

Inclusion/Exclusion criteria

- Age > 50 years
 Elective major non-cardiac surgery under general anaesthesia (meeting inclusion criteria of PQIP study)
 Written informed consent for trial participation

Exclusion criteria

- 1. Contraindication to either TIVA or inhalational anaesthesia
- Clinician refusal
 Procedures where the patient is not expected to survive for 30 days
- 4. Previous participation in VITAL trial



Hospital sites

Sample size: 2500 patients Total number of sites: 40 NHS hospitals PQIP participation not mandatory

Pilot Study

Target opening April 2021 We are looking for 10 pilot sites with solid track record Target 2-3 patients/site/month

