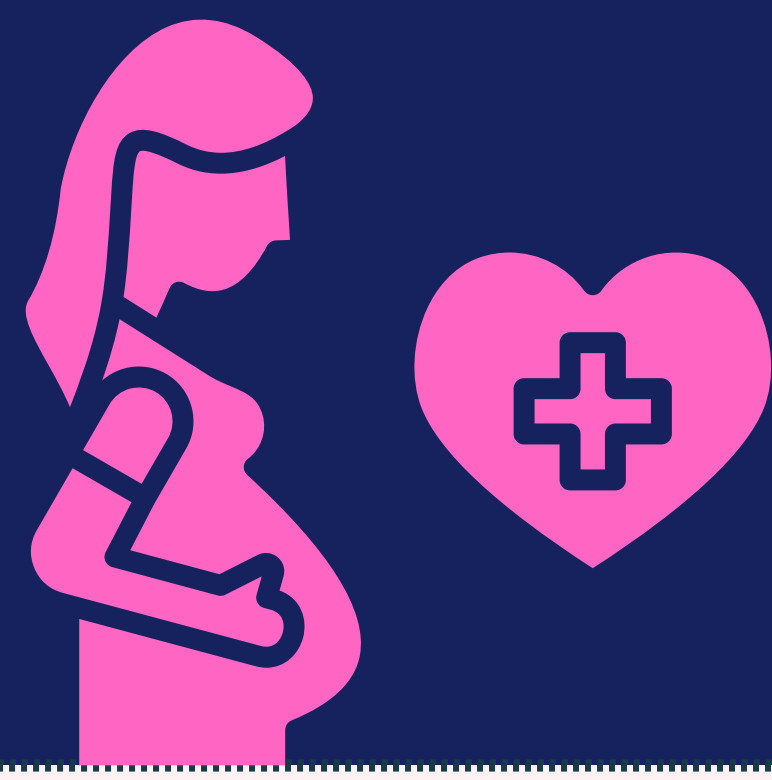




Improving obstetric anaesthesia training with multidisciplinary maternal medicine simulation

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- To foster better **teamwork** and develop **shared understanding** across the multidisciplinary team of complex clinical problems related to maternity care
- To **improve obstetric anaesthesia training experience** at our institution

INTRODUCTION

The Ockenden Report has emphasized that the anaesthetist's role on the labour ward should extend beyond providing pain relief and anaesthesia.¹ The "Better Births" report in 2016 also stressed that multiprofessional teams that work together should also train together to improve communication and shared understanding.²

Following a quality panel recommendation that obstetric anaesthesia training at our hospital required improvement, we introduced a multidisciplinary maternal medicine simulation half-day for anaesthetic residents., By including anaesthetists in this multidisciplinary training, we aimed to enhance patient care, foster better teamwork, and improve obstetric anaesthesia training experience for rotating trainees.

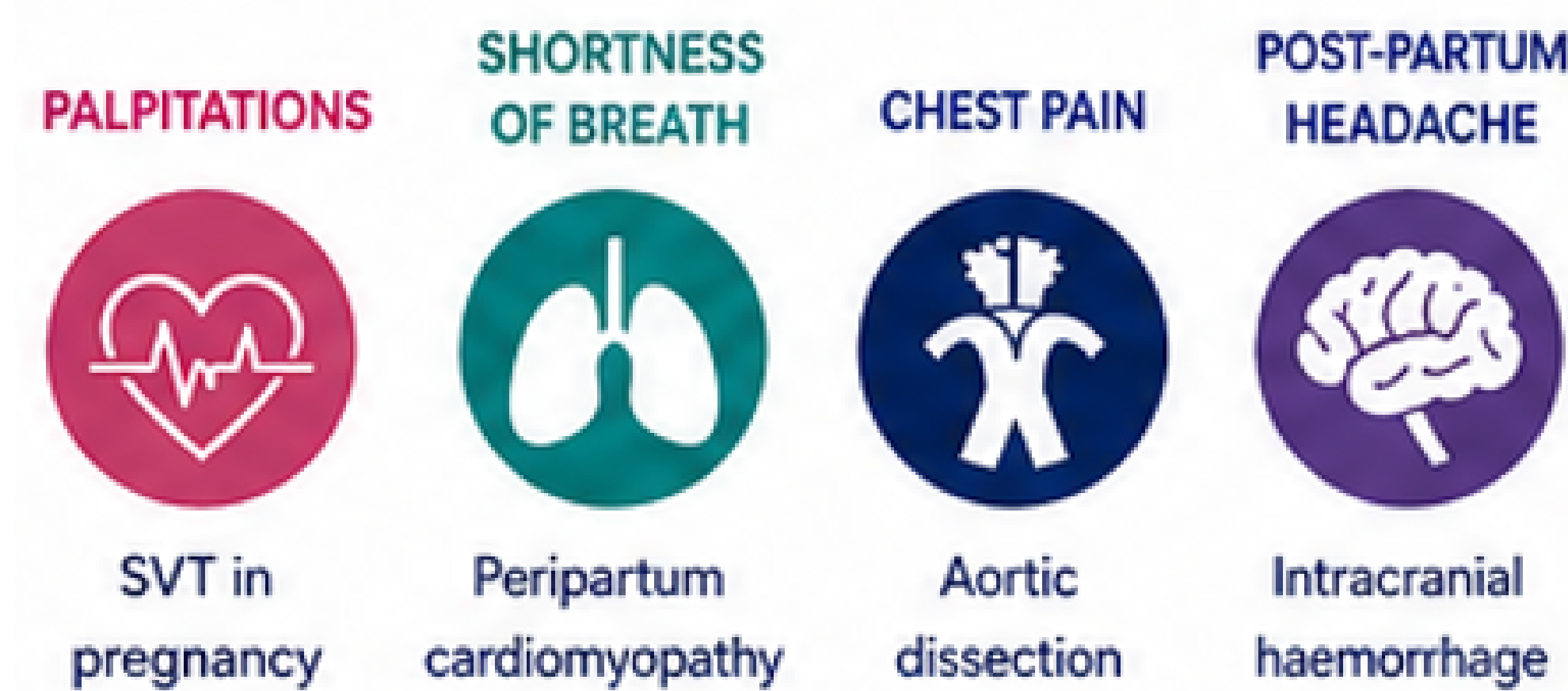
RCOA | Lifelong Learning
Royal College of Anaesthetists

Several Links to RCoA Stage 1 Curriculum

- Team Working TW_S1_AF
- Professional Behaviours and Communication PB_S1_AI
- Safety and Quality Improvement SQ_S1_AK
- Education and Training ET_S1_AI
- Perioperative Medicine PM_S1_NN
- General Anaesthesia GA_S1_QR
- Intensive Care IM_S1_KK

METHODS

Residents were assigned to maternal medicine simulation half-day sessions. Alongside anaesthetists, learners included medical registrars, obstetricians and midwives. Scenarios included management of:



Forms were distributed after each session to assess usefulness and gather qualitative feedback.

OUR MULTIDISCIPLINARY TEAM



“ Good MDT approach, great opportunity to work with the anaesthetists and O+G ”
- Simulation Feedback

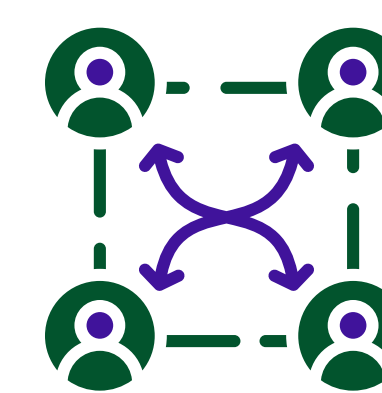
RESULTS

Across **seven sessions**, **35 learners** provided feedback

Anaesthetists attended **4 sessions** with **8 anaesthetic trainees** participating

Usefulness rating (5 out of 5)
97.1% (34/35 participants)

QUALITATIVE THEMES FROM FEEDBACK



Appreciation of multidisciplinary involvement and the opportunity to work alongside colleagues from different specialties



Use of faculty actors instead of mannequins improving realism within scenarios



Constructive debriefs allowing discussion of different management approaches and learning from each other's perspectives



Appreciation of the chance to reflect on human factors and impact of teamwork in clinical setting

DISCUSSION

Incorporating anaesthetic residents into a multidisciplinary maternal medicine simulation programme has led to an improvement in training experience at our hospital.

Feedback after each session has allowed us to improve scenarios and make them relevant to all participating specialties. We hope to continue these sessions locally with a plan to expand the format region-wide.

“ ...excellent afternoon which surpassed all expectations for valuable learning... ”

“ The patient + family interactions were realistic as well as the pressure of the scenarios ”

“ Excellent scenarios with lots of detail. Very interesting debriefs. ”



Two anaesthesia training quality panel meetings have occurred since the introduction of these simulation days. Both have identified **no concerns** with obstetric anaesthesia training

REFERENCES

1. Ockenden report - Final findings, conclusions and essential actions from the Independent Review of Maternity Services at The Shrewsbury and Telford Hospital NHS Trust.
2. National Maternity Review. Better births: improving outcomes of maternity services in England - a five year forward view for maternity care.