

EP08.50 Evaluation of a standardized blind-sweep protocol using a handheld probe for basic obstetric ultrasound examination

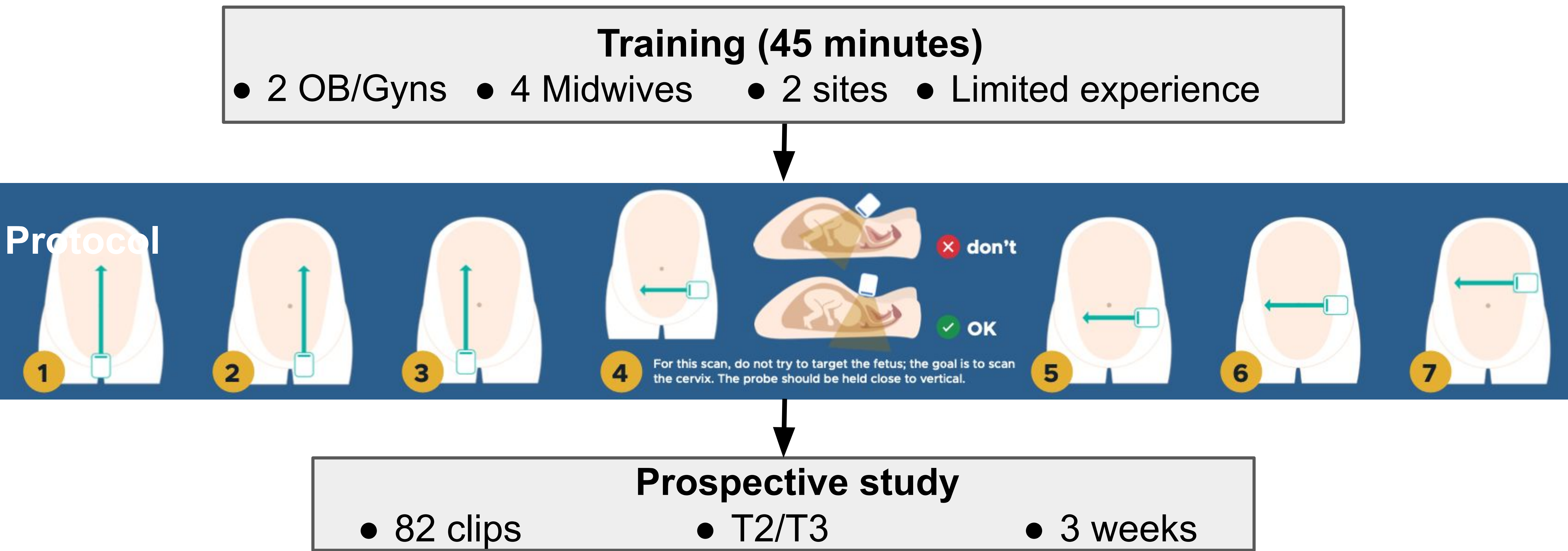


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Context

Without standardized techniques, image quality and diagnostic reliability can vary widely. Establishing a clear and structured scanning protocol helps ensure that every operator can produce images of sufficient quality regardless of skill level.

Methods



Objectives

This study assesses the feasibility of a standardized fetal ultrasound (US) protocol optimized for simplicity and designed to be quickly mastered by practitioners with limited US experience using a handheld probe, enabling a thorough basic assessment of key maternal-fetal health parameters.

Results

- Fetal breathing
- Placenta position
- Fetal movement
- Cardiac activity
- Fetal position
- Heart rate
- Amniotic fluid volume
- Placental location

Assessable in over 93% of patients

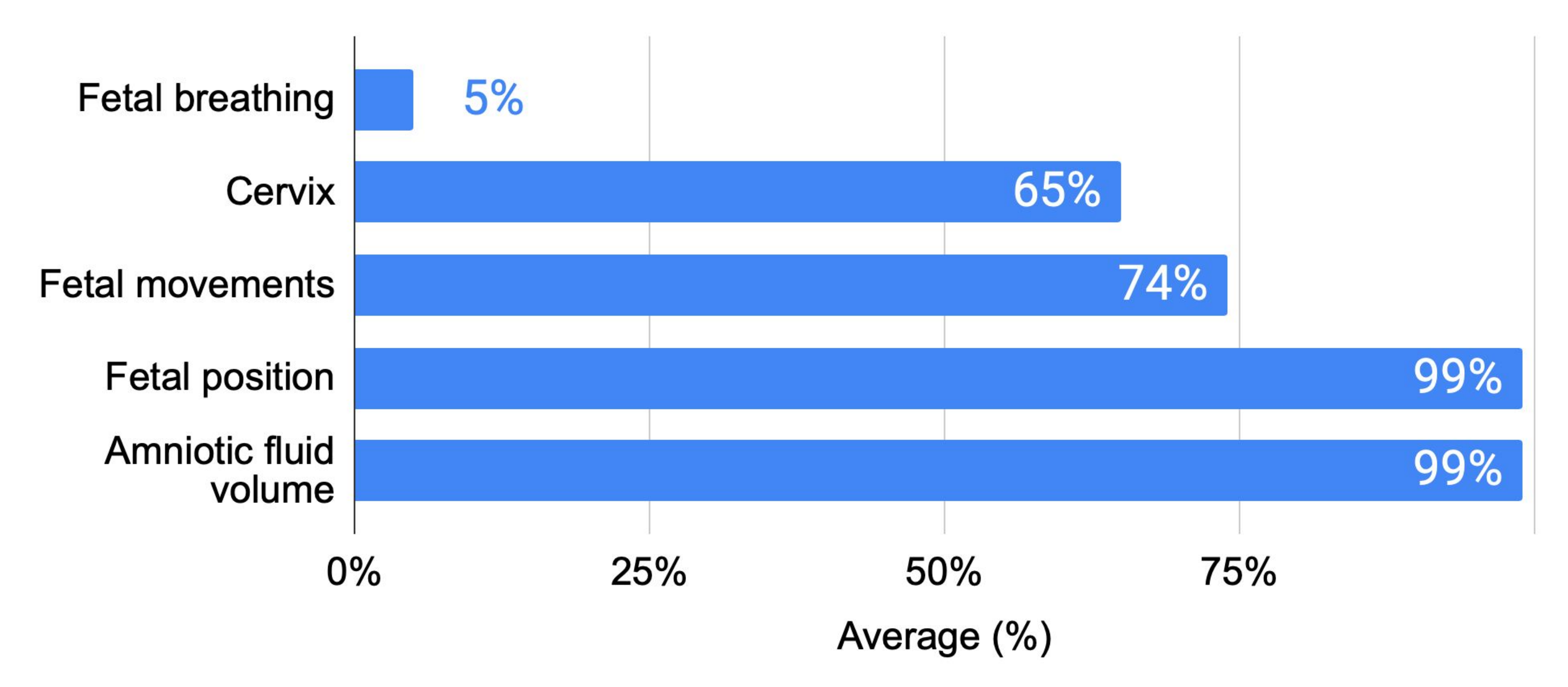


Figure. Average % of exams with successful assessment over all Trimesters

Conclusion

This protocol was most successful for evaluating fetal position, amniotic fluid volume and cardiac activity. This not only holds promise for improving access to pregnancy monitoring, but also opens the door for AI detection of items to support quality prenatal care regardless of resources and training skills.