

Development of a Novel Obstetric Anesthesia Simulation Curriculum in Vietnam:

A Model for Improving Maternal Care in Low- and Middle-Income Countries

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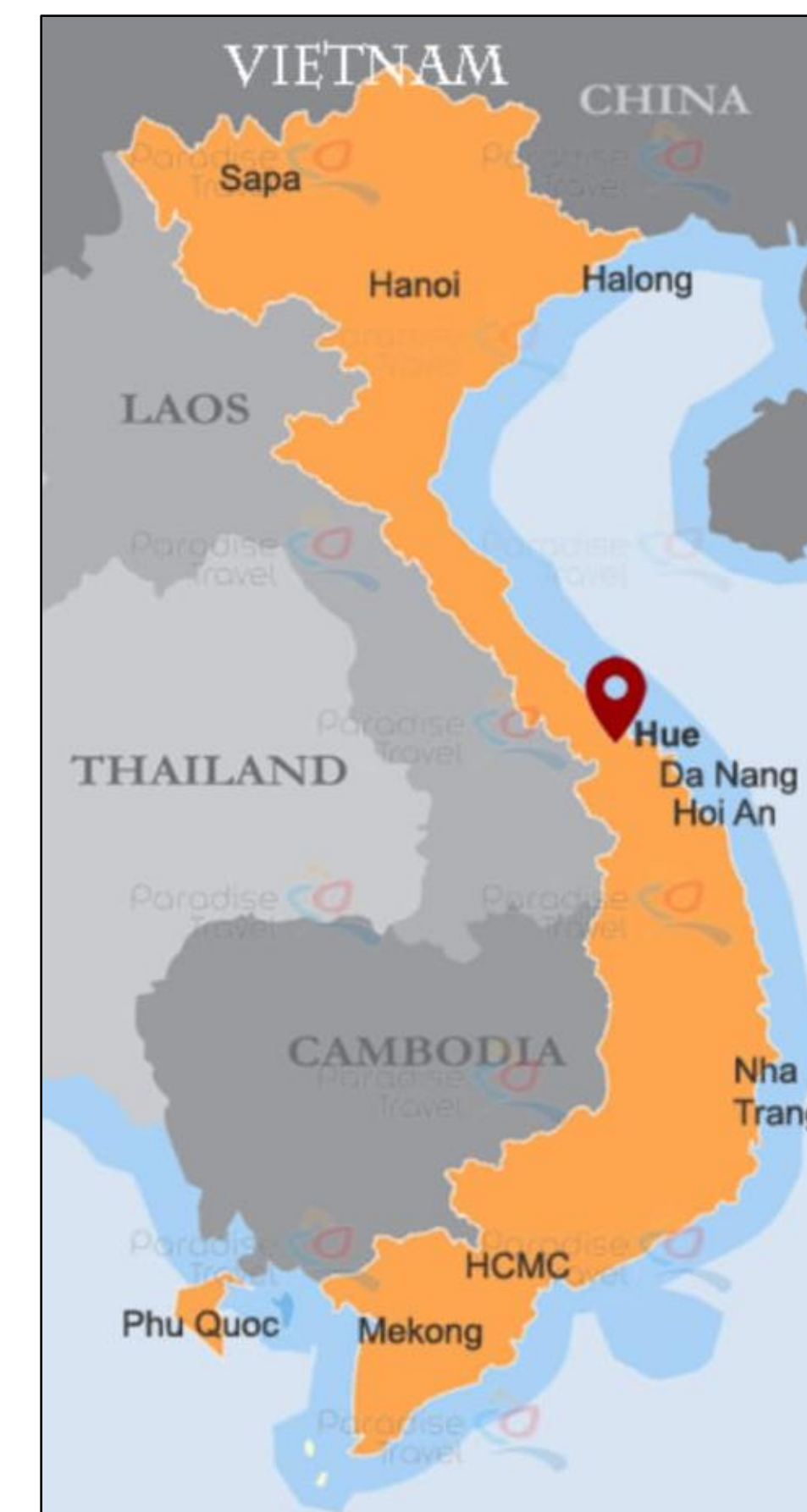


Background

- Almost **95% of all maternal deaths** occur in low and lower-middle income countries
- Rural areas are particularly affected by **workforce and resource limitations**
- **Educational partnerships** can improve the provision of safe obstetric anesthesia care

Study Aim

Implement a **novel simulation curriculum** at Huế University of Medicine and Pharmacy to bolster resident knowledge of **obstetric anesthesia emergencies**



Methods

Phase 1

Pre-Arrival Preparation

Simulation curricula development

Faculty Development Lectures

Simulation theory and design

Feedback and debriefing

Sim	Topics
1	Terminal Fetal Bradycardia
2	Postpartum Hemorrhage
3	Failed Endotracheal Intubation
4	Amniotic Fluid Embolism

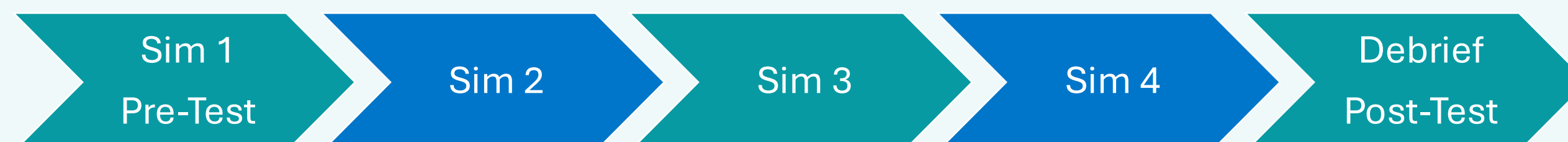


Phase 2

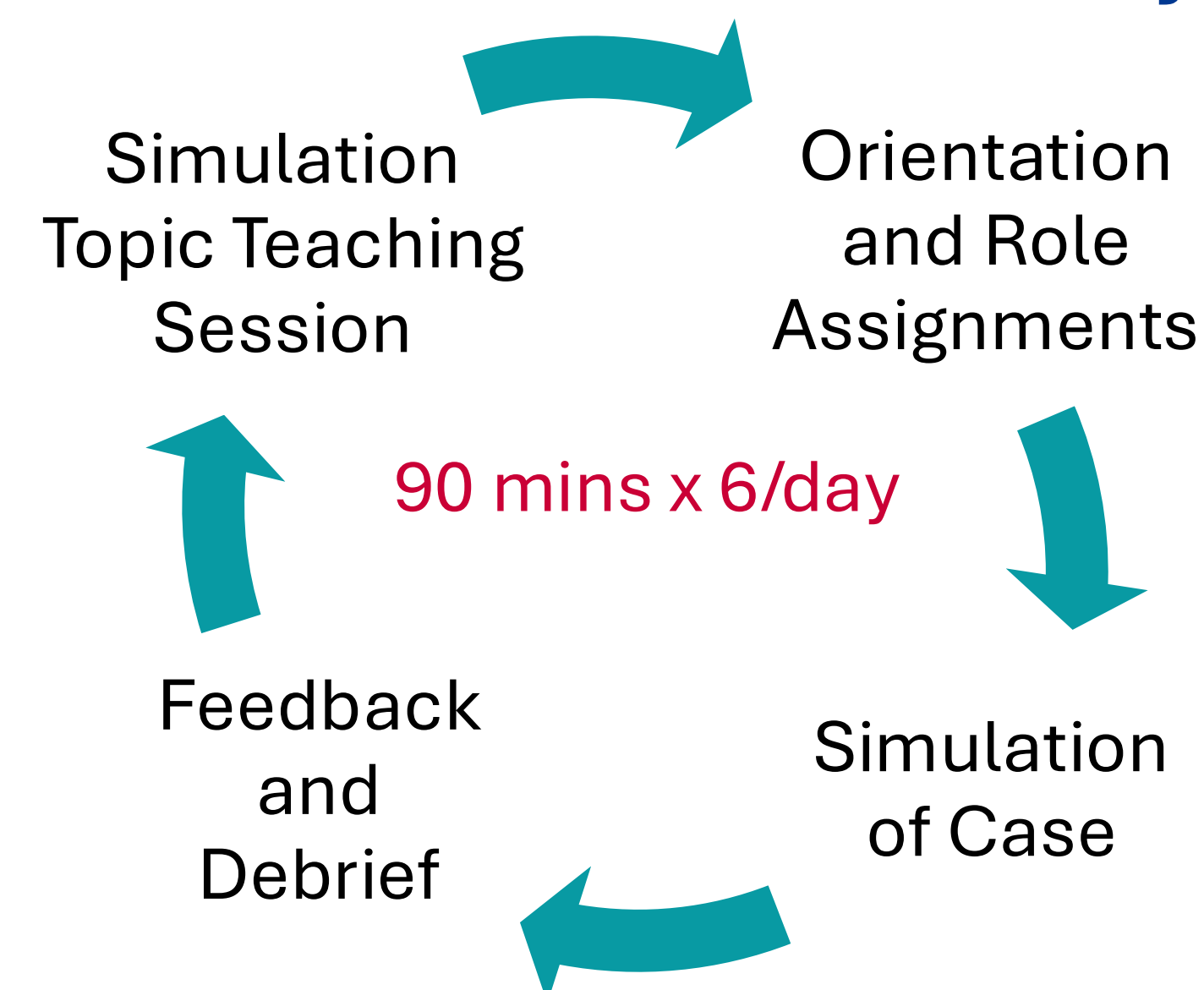
Week 1: Preparation and Training



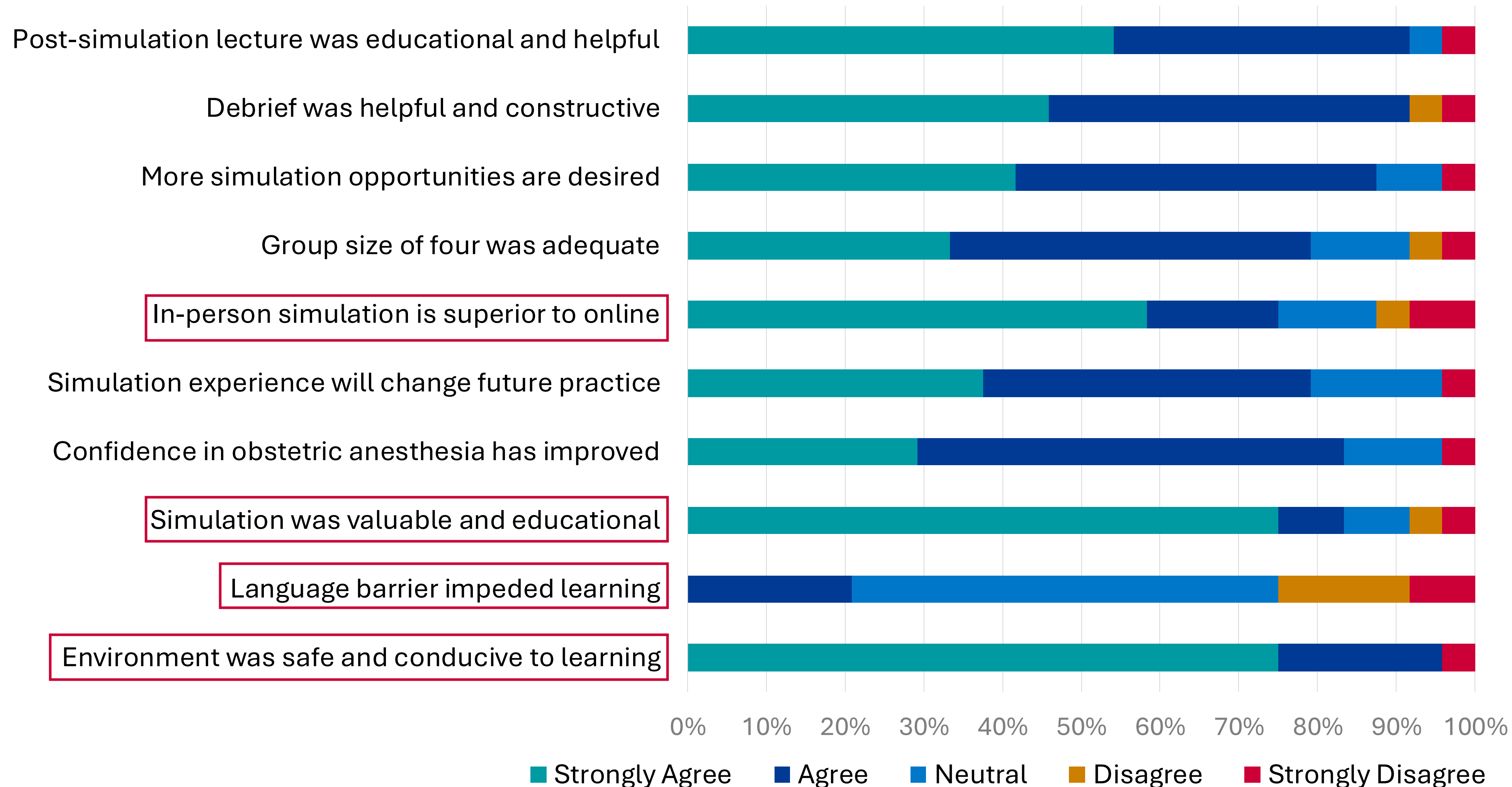
Week 2: Simulation and Assessment



Structure of Simulation Day



Survey Results Following Participation in a Novel Obstetric Anesthesia Simulation Curriculum



Median rating of experience:
9 out 10
(SD: 0.7)

Conclusion



Simulation curriculum was well received



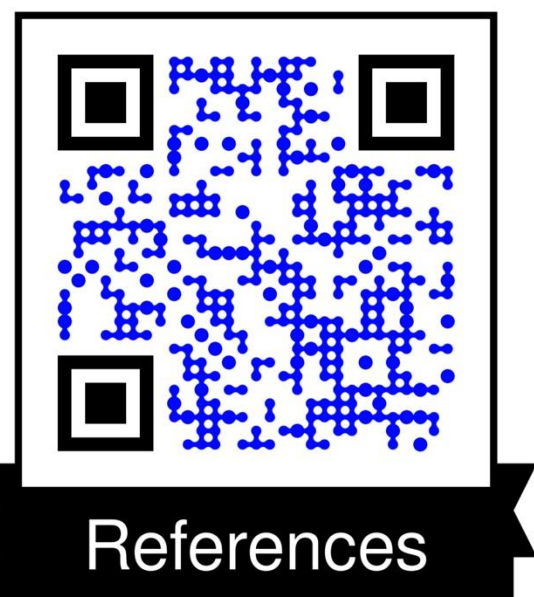
Factors for success include institutional support, cultural readiness, and faculty engagement



Simulation can be an integral and effective educational tool in lower resource settings



Future studies on its ability to improve maternal health outcomes are warranted



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