

## Striving towards Improving Maternal Morbidity and Mortality in Tamil Nadu, India: A Sustainable Model : Collaboration between Singapore and Tamil Nadu, India (Phase 2, 2023-2025)

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### INTRODUCTION

A Mother's love is the heart of the family. Intervention at the right time by t saves not just the family, but also the society. With India's monumental efforts , MMR declined by 6.36%, while the global decline was 2.07% in the last decade. Yet India contributes 20% of the global burden of maternal mortality. In Tamil Nadu the maternal mortality rate is 45.5/100000.

The Ministry of Health and Family Welfare has taken efforts to end preventable maternal deaths via quality programmes like SUMAN, PMMVY, PMSMA , LAQSHYA, and Dakshata training which reaches the health system in every nook and corner of the country.

The aim of this presentation is to emphasise the importance of imparting Obstetrics Resuscitation and Emergency training in managing obstetric emergencies.

### BACKGROUND

This training programme, consisting of a series of didactic lectures and simulation sessions, adapted from the Combined Obstetric Resuscitation and Emergency Training (CORE) conducted at KK Women's and Children's Hospital, Singapore was heavily modified to the needs of the population and existing medical facilities which were explored during the feasibility trips before the training. The successful phase 1 was done in Trichy District from 2015 to 2018. Phase 2 was started in 2023 in Chennai with completion planned in 2025. Our aim is to train s health attendants to enable them to better manage obstetric emergencies which would help in the long- term goal of reducing maternal as well as neonatal morbidity and mortality rates.

Singapore has been a constant provider of support in strengthening medical care system of Tamil Nadu via CORE training. In addition to the clinical focus on Obstetric and Neonatal emergency care, the team works closely with the local health centres and hospitals in Tamil Nadu to review their clinical workflow and to develop standard operating protocols tailored to the local system.

### THE CORE - METHODOLOGY

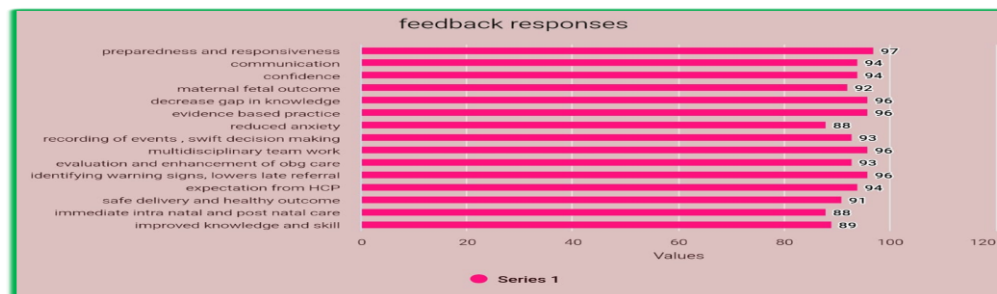
- A team of clinicians from KKH underwent training with the aim of improving the ability of healthcare professionals of various disciplines to manage and respond to acute obstetric emergencies and obtained the PROMPT ( UK) license in 2009. The course was modified to meet local needs, it was renamed the Combined Obstetric Resuscitation and Emergencies Training Project (CORE).
- CORE training was given to HCPs at all levels of healthcare by trainers from KKH, Singapore to health care workers in Chennai and neighboring districts.
- Training covered Obstetric emergencies like Eclampsia , PPH, vaginal breech delivery, maternal resuscitation, shoulder dystocia, PPROM, cord prolapse, neonatal resuscitation, preterm labour.
- Data collection : Feedback got from 53 participants who attended the Cascade training using google forms with pre structured questionnaire 3 months post course.

### OBJECTIVES OF THE CORE / CASCADE TRAINING

- Describe evidence- based protocols for common obstetric emergencies
- Emphasize on early recognition, timely response, and effective management of common obstetric emergencies.
- Highlight the importance of preparedness, communication, teamwork, documentation and audit of practices.

**TARGET: All health care providers ( multidisciplinary team) who assist with obstetric emergencies are encouraged to attend this training.**

### FEEDBACK OF THE TRAINEES ATTENDED



Training helped trainees gain the knowledge and skills needed to perform the jobs effectively, thereby improving performance, productivity, job satisfaction. Simulation reflects the trainees strength, weakness, enabling focus on improvement, filling knowledge gap, gain confidence, before managing actual patients especially in the PHCs. Regular training programs can improve timely referral, early identification of warning signs and helps in self assessment and reducing the learning curve as well.

### CONCLUSION

- The core of this CORE training programme is to LEARN, PRACTICE, TEACH.**
- This programme initiated by the Singapore Government acts a chain reaction in educating, and acclimatizing health care professionals in EmOC, throughout Tamil Nadu.**
- Let us join hands in continuing to educate, nurture skills, confidence, teamwork among the medical fraternity.**
- Let this chain reaction propagate: Health For All**

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