

Maternal Mortality Analysis – Indian Scenario

V P Paily MD, FRCOG
Senior Consultant O&G
State coordinator , Confidential Review of
Maternal Deaths, Kerala

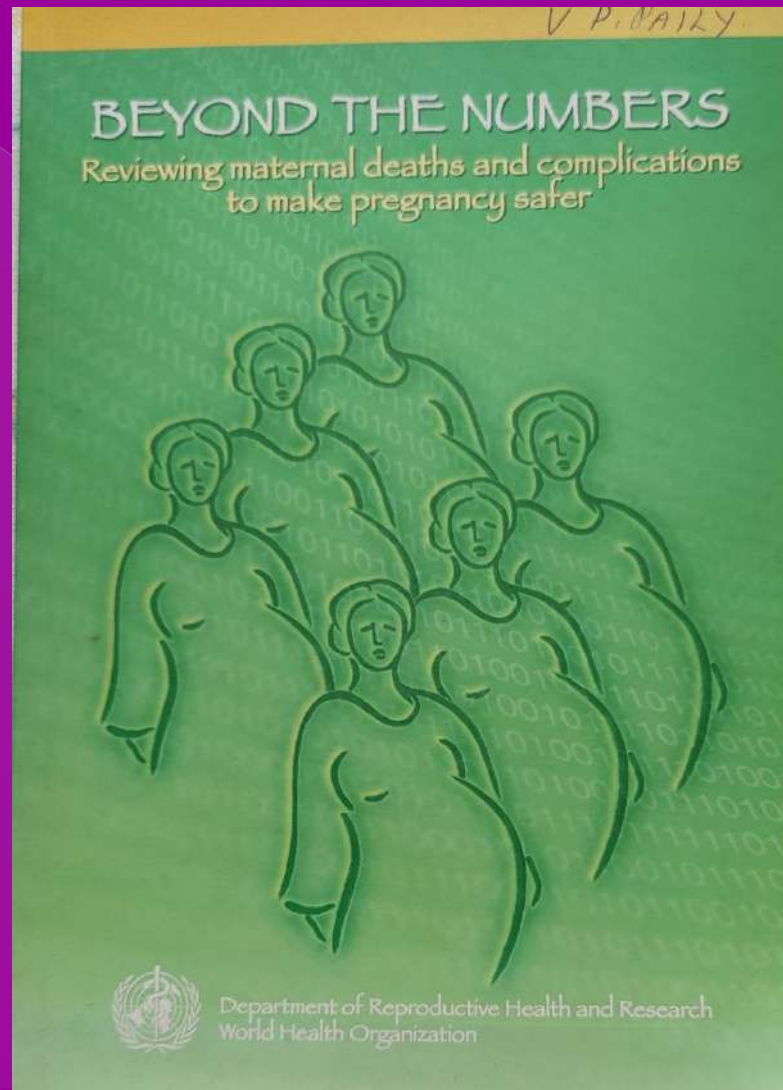


For CAHO workshop 30/4/22

- We cannot talk about Maternal Mortality analysis without referring to “***Beyond the numbers***” the WHO book edited by ***Gwyneth Lewis***

BEYOND THE NUMBERS

Gwyneth Lewis



Four Methods of Audit

- Verbal autopsy
- Facility Based audit
- Near Miss Audit
- Confidential Review

These are mostly external audits

We would add two internal audits.

- Morning Report
- Departmental / institutional audit

One has to choose the appropriate type of audit

Verbal autopsy

- Suitable for home births and events in the community.
- Specially trained teams are required .
- It is a very sensitive procedure.
- If, even part of the treatment was in the hospital and there was any complaint regarding treatment received, the relatives will be hostile.

Verbal autopsy

- Helps to extract family and social factors which may not be revealed in the case records.
- The local health worker should be part of the team.
- Information can be gathered from neighbours also.

Facility based audit

- Suitable only for institutional deliveries.
- Can have internal and external audit.
- In Kerala, the team from district medical office comes to audit.
- Specialist auditors from other specialties also present.
- Needs sensitive handling, the presence of district authorities can be intimidating.

Near miss audit – Kerala experience.

- Actually not a maternal death audit.
- But, is more pleasant than death audit.
- Can be done as a confidential near miss audit by anonymising the case records

Near miss audit – Kerala experience.

- We did in the five government medical colleges.
- Format same as in confidential review of maternal deaths.
- Should have a local coordinator.
- Should do departmental audit first.
- Results compiled by state coordinator.

Near miss audit – Kerala experience.

- Results same as in CRMD.
- Near miss audit can act as a substitute for death audit.

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- Kerala has been doing since 2004.
- Principle of no name no blame.
- Anonymised case records

Crmd kerala, planning meeting with WHO support



Participants of the workshop at Thiruvananthapuram that started off the CRMD

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- Assessors not aware of the identity of the cases.
- Non obstetrician assessors also involved
- Meeting every 3 months.
- State coordinator compiles data

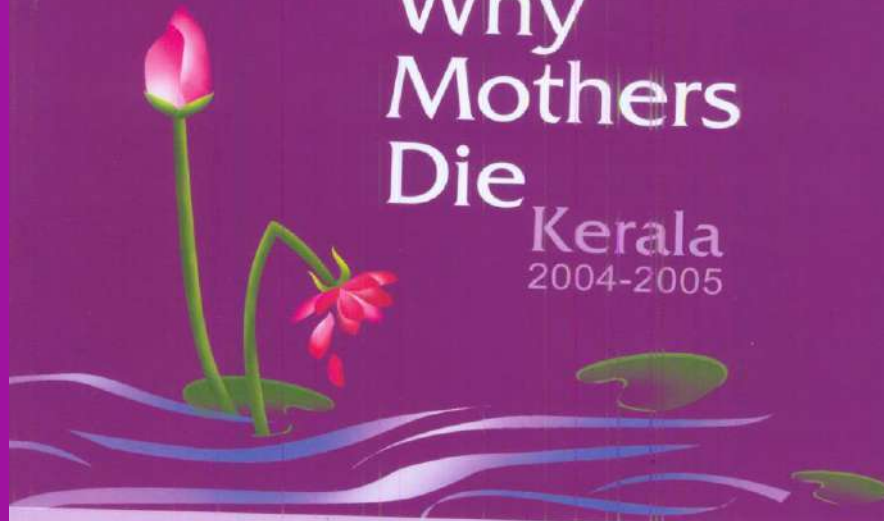
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Results published with recommendations on management strategies.

First Report of Confidential Review of Maternal Deaths, Kerala

Why Mothers Die

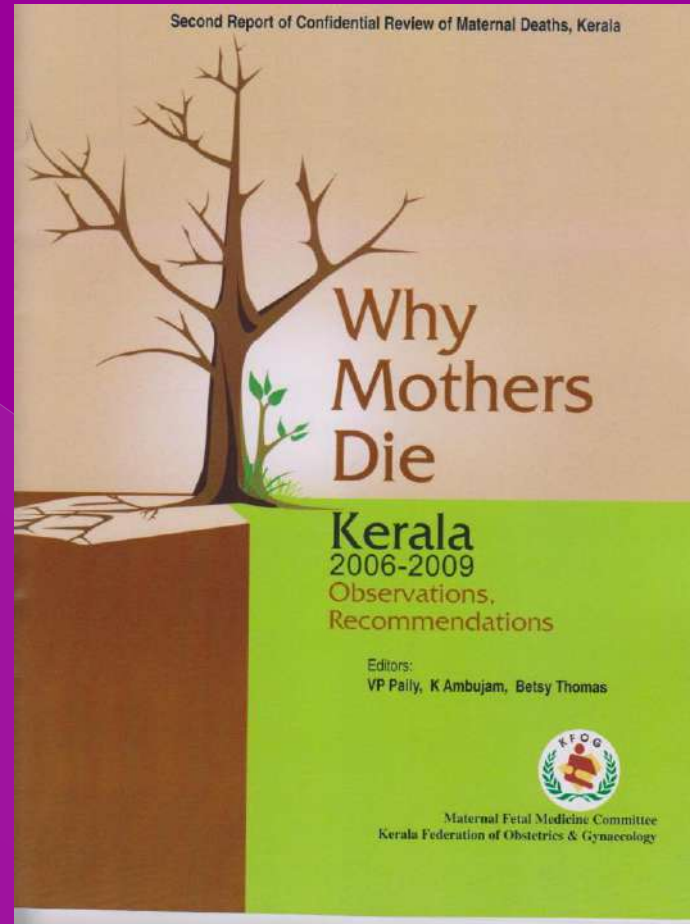
Kerala
2004-2005



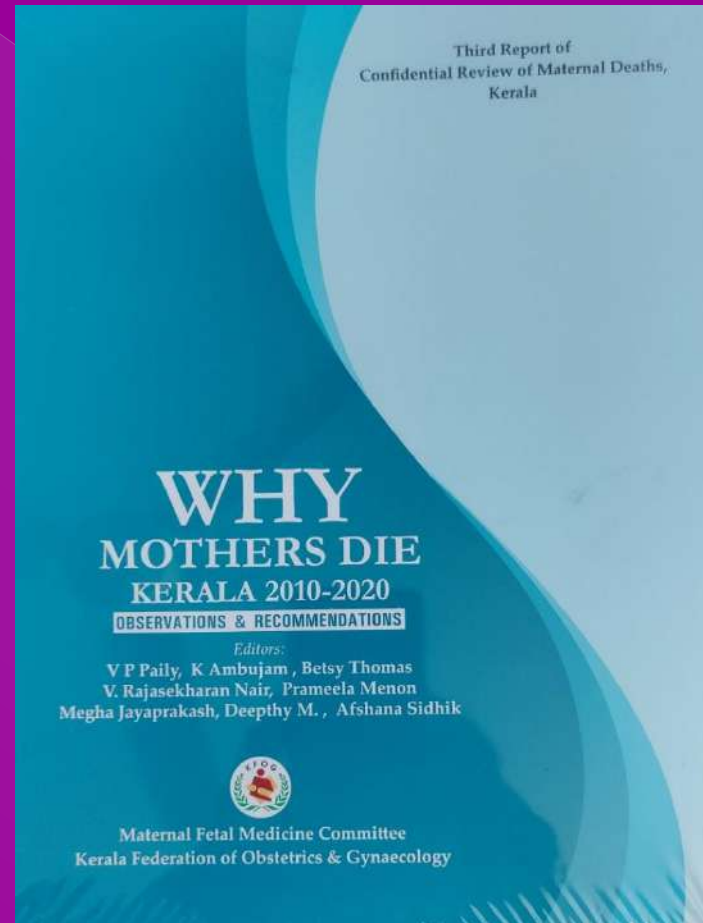
Maternal Fetal Medicine Committee
Kerala Federation of Obstetrics & Gynaecology

Edited by V P Paily

CRMD report
of 2006, 07,
08 and 09



Why mothers die, kerala, 2010-20



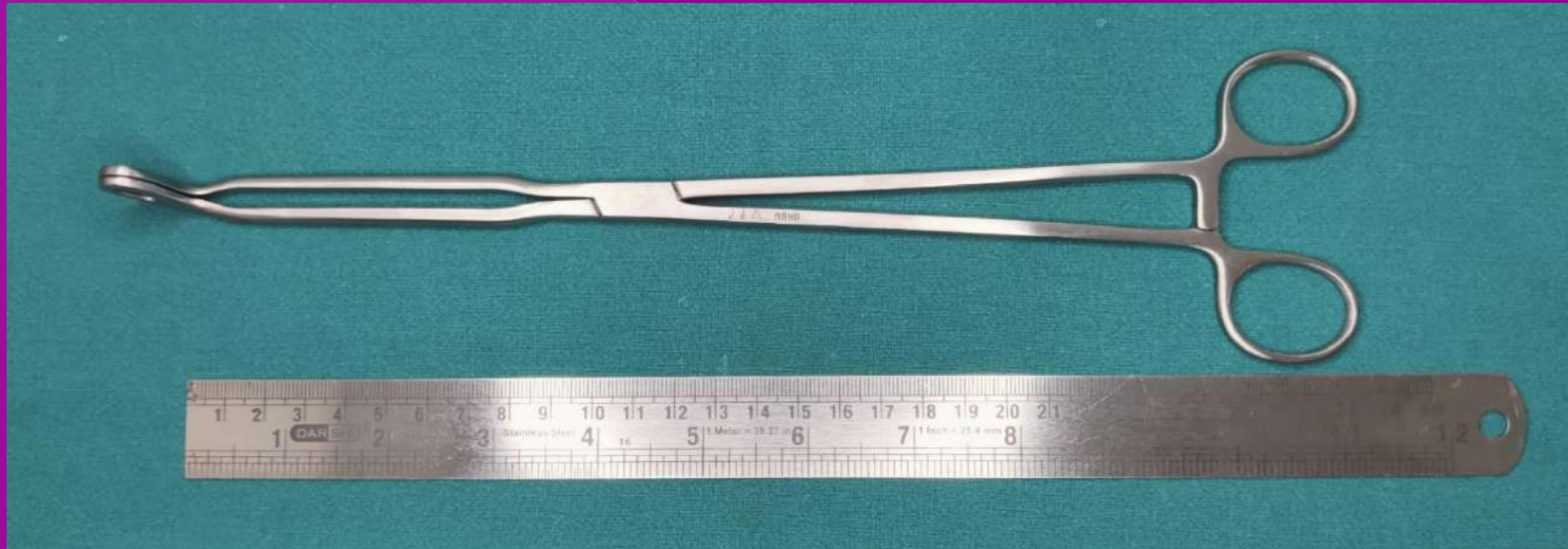
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Based on observations new strategies
developed.

Samartha Ram's suction cannula to tackle PPH



Transvaginal ut. Artery clamp devised by Paily to tackle lower segment PPH



Paily aorta clamp to tackle
placenta accreta spectrum.



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There are some drawbacks for CRMD:

No way to correct errors directly.

Some doctors resist corrective measures.

Morning report.

Have been practising since 1984.

The most useful type of analysis
because events are fresh in the mind.

Mutual respect is the key.

To be tactfully handled.

Departmental/institutional audit of maternal deaths.

Mandatory

Head of institution to chair.

Easy to correct deficiencies.

Punitive nature should be avoided.

Concerned people should take it as a learning opportunity.

MDNMSR (Maternal Death and Near Miss surveillance and response)

Introduced in Kerala in 2019

Decentralisation of state level audit.

Primarily for near miss cases but mortality also considered without revealing identity.

Occasion to learn lessons on the basis of problem cases managed.

Conclusions

There are different types of audit.

One has to choose the ones suitable to the set up

No use in audit without taking follow up action.

Conclusions

Surveillance (analysis or audit) is useless unless followed by corrective action.

Thank you