

PROCEDURE

# Cardiotocography(CTG) Monitoring

## Mandatory education requirements for midwives and medical practitioners

This document should be read in conjunction with this [Disclaimer](#)

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### Purpose

To confirm the minimum mandatory education requirements for midwives and medical practitioners with a responsibility for performing or interpreting CTGs at WNHS in order to adhere to the CTG Monitoring Policy and Standard:

<http://www.health.wa.gov.au/circularsnew/pdfs/13386.pdf>

### Background

The intent of the CTG Monitoring Standard is to provide a consistent framework for CTG monitoring to underpin clinical practice that is in accordance with the Royal Australian and New Zealand College of Obstetricians and Gynaecologists (RANZCOG) Intrapartum Fetal Surveillance Clinical Guideline Third Edition 2014



(<https://www.ranzcog.edu.au/intrapartum-fetal-surveillance-clinical-guidelines.html>)

and relevant maternity service policies/guidelines.

### **Procedure: Education requirements**

All midwives and medical practitioners with a responsibility for performing or interpreting CTGs should:

- Have access to regular, scheduled multidisciplinary learning opportunities to promote effective communication and teamwork.
- Meet the minimum mandatory education requirements defined in the CTG Monitoring Standard.

### **Orientation/initial requirements**

<b>Minimum requirement</b>	<b>Midwives</b>	<b>Medical Practitioners</b>
Orientation to the CTG Monitoring Policy, this Standard; and any associated relevant local maternity service guidelines and clinical escalation pathways associated with CTG monitoring.	Orientation to CTG Monitoring Policy & Standard within the WNHS Safety Quality Passport.	Orientation to CTG Monitoring Policy & Standard on commencement of employment.
Confirmation of equivalent prior learning or an introduction to CTG monitoring, content to be determined by the Health Service Provider or Contracted Health Entity, prior to a clinician being required to perform or interpret CTG monitoring.	<p>Review of prior learning as part of clinical orientation.</p> <p><b>Fetal Surveillance Education Program (FSEP)</b></p> <p><b>Online Fetal Education Surveillance Program (OFSEP), K2 or equivalent in the last 12 months).</b></p> <p>Graduate midwives complete a fetal monitoring introduction education session as part of their program.</p>	<p>Review of equivalent prior learning on commencement of employment.</p> <p>(FSEP, OFSEP, K2 or equivalent in the last 12 months).</p>

## Continuing requirements

**CTG standard minimum requirement** (midwives and medical practitioners) - Completion of an annual CTG monitoring education update, content to be determined by the Health Service Provider or Contracted Health Entity. At WNHS this is based on the following continuing requirements cycle, which is completed over a 3 year period

Staff may commence at any point in the 3 year cycle dependent upon (Priority listing, RPL, background as determined by Midwife Manager or PGME.

CTG standard minimum requirement (midwives and medical practitioners)	Year 1	Year 2	Year 3	Repeat from Year 1
Completion of an advanced skill CTG education program which includes a structured face to face learning component (e.g. FSEP face to face multidisciplinary education session), content to be determined by the Health Service Provider or Contracted Health Entity, every three to five years, dependent on the current level of required practice and responsibility for performing and interpretation of CTG's, as determined by the Health Service Provider or Contracted Health Entity.	RANZCOG  FSEP – face to face program	KEMH Multiple Choice Questionnaire (MCQ)	RANZCOG  OFSEP online program	
Achievement of the practitioner assessment level commensurate with their experience and level of responsibility in the delivery of maternity care, assessed at annual review or at intervals determined by the Health Service Provider or Contracted Health Entity.	Successful completion of *FSEP <b>Level 2 (66-75)</b>  Clinical leads and those teaching fetal surveillance are required to achieve <b>FSEP Level 3 (&gt;75)</b>	Successful completion score <b>≥70%</b>  <b>**Clinical Leads ≥75%</b>	OFSEP successful completion and certificate obtained	

\*FSEP Level 2 – includes all medical practitioners and ANF level 1 & 2 midwives performing or interpreting CTGs

\*\*Clinical Leads – includes Consultants, Senior Registrars, Registrars, Clinical Midwife Consultants

## FSEP practitioner levels

Midwife or medical practitioner:

- The level 1 FSEP practitioner is typically a supervised practitioner who would not necessarily be expected to have comprehensive clinical experience. Level 1 FSEP practitioners include graduate midwives, midwifery and medical students. Level 1 FSEP practitioners will not be allocated to attend FSEP unless recommended by the manager.
  - **FSEP score 55-65.**
- The level 2 FSEP practitioner is typically a practitioner with several years' clinical experience and access to Level 3 FSEP practitioners.
  - **FSEP score 66-75 or**
  - **equivalent success with KEMH MCQ  $\geq 70\%$  or OFSEP**
- The level 3 FSEP practitioner (clinical lead) will typically have extensive clinical experience and may, as part of their regular duties, be involved in the training of less experienced staff.
  - **FSEP score  $>75$  or**
  - **equivalent success with KEMH MCQ  $\geq 75\%$  or OFSEP**

## WNHS guide for when CTG monitoring mandatory education requirements are not met

Process presented as a flowchart – see Appendix A.

### Management of results

Midwives	Medical Practitioners
Results received by nominated Midwife Educator, DNAMER, then shared with Coordinator of Midwifery, Obstetrics	Results received by Director, PGME, then shared with Medical Co-Director, Obstetrics
Coordinator of Midwifery shares results with relevant Midwife Manager who speaks with unsuccessful midwife and offers a tutorial from Midwife Educator, DNAMER	Medical Co-Director responsible for managing unsuccessful Consultant, other medical practitioners are offered a tutorial by PGME
OFSEP or KEMH MCQ certificate presented to Midwife Manager on successful completion	OFSEP or KEMH MCQ certificate presented to Director PGME on successful completion
If unsuccessful following repeated attempt and tutorial the midwife or medical practitioner will be referred to the Nurse, Midwife or Medical Co-Director, Obstetrics & Gynaecology Directorate to determine any implications for continuing clinical practice	
Results for midwives will be recorded by DNAMER Results for medical practitioners will be recorded by PGME	



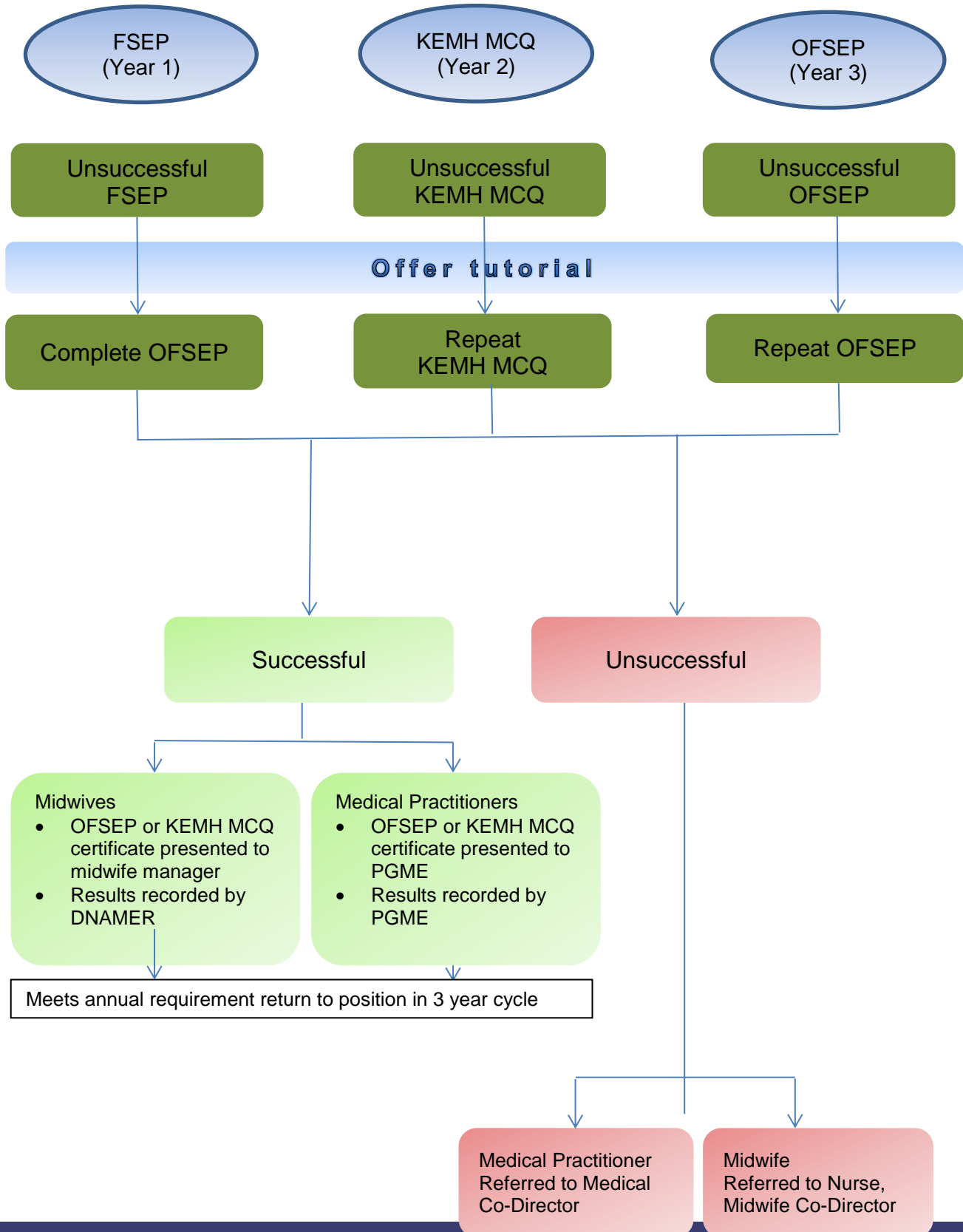
## **CTG review at WNHS**

- All **antenatal CTG** recordings must be reviewed by two level 2 or 3 FSEP practitioners
- During the transition to FSEP midwives and medical practitioners who have not yet attended FSEP but have successfully completed Advanced Fetal Assessment within the last 5 years will also be able to review antenatal CTG's
- All **intrapartum CTG** traces must be reviewed by two practitioners (neither of whom are students)



### Appendix A:

WNHS guide for when CTG monitoring mandatory education requirements are not met




## References

1. 2014 (3<sup>rd</sup> edit) RANZCOG Intrapartum fetal surveillance clinical guideline [https://ranzcof.edu.au/RANZCOG\\_SITE/media/RANZCOG-MEDIA/Women%27s%20Health/Statement%20and%20guidelines/Clinical-Obstetrics/Intrapartum-Fetal-Surveillance-Guideline-Third-edition-Aug-2014.pdf?ext=.pdf](https://ranzcof.edu.au/RANZCOG_SITE/media/RANZCOG-MEDIA/Women%27s%20Health/Statement%20and%20guidelines/Clinical-Obstetrics/Intrapartum-Fetal-Surveillance-Guideline-Third-edition-Aug-2014.pdf?ext=.pdf)
2. 2017 Cardiotocography Monitoring Policy and Mandatory Standard <https://ww2.health.wa.gov.au/About-us/Policy-frameworks/Clinical-Governance-Safety-and-Quality>

## Related WNHS policies, procedures and guidelines

- KEMH Guidelines Obstetrics & Gynaecology: Fetal Heart Rate Monitoring

Keywords:	CTG Policy & Standard, minimum mandatory CTG education requirements,		
Document owner:	DNAMER		
Author / Reviewer:	DNAMER		
Date first issued:	March 2018		
Last reviewed:	December 2019	Next review date:	December 2020
Endorsed by:	OGD	Date:	13 January 2020
Standards Applicable:	NSQHS Standards: 1  Governance		
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