Cardiotocography (CTG) Monitoring
Mandatory education requirements for midwives and medical practitioners

This document should be read in conjunction with this Disclaimer

Contents

Purpose ........................................................................................................................................ 1
Background .................................................................................................................................. 1
Procedure: Education requirements ......................................................................................... 2
  Orientation/initial requirements .............................................................................................. 2
  Continuing requirements ......................................................................................................... 3
FSEP practitioner levels ............................................................................................................ 4
WNHS guide for when CTG monitoring mandatory education requirements are not met ................................................................................................................................. 4
  Management of results ............................................................................................................. 4
  CTG review at WNHS ............................................................................................................. 5
Appendix A: ................................................................................................................................. 6
References ................................................................................................................................... 7
Related WNHS policies, procedures and guidelines ................................................................ 7

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:

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
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**

<table>
<thead>
<tr>
<th>Minimum requirement</th>
<th>Midwives</th>
<th>Medical Practitioners</th>
</tr>
</thead>
<tbody>
<tr>
<td>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.</td>
<td>Review of prior learning as part of clinical orientation.</td>
<td>Review of equivalent prior learning on commencement of employment.</td>
</tr>
<tr>
<td></td>
<td>Fetal Surveillance Education Program (FSEP)</td>
<td>(FSEP, OFSEP, K2 or equivalent in the last 12 months).</td>
</tr>
<tr>
<td></td>
<td>Online Fetal Education Surveillance Program (OFSEP), K2 or equivalent in the last 12 months.</td>
<td></td>
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<tr>
<td></td>
<td>Graduate midwives complete a fetal monitoring introduction education session as part of their program.</td>
<td></td>
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</table>
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.

<table>
<thead>
<tr>
<th>CTG standard minimum requirement (midwives and medical practitioners)</th>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
<th>Repeat from Year 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>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.</td>
<td>RANZCOG FSEP – face to face program</td>
<td>KEMH Multiple Choice Questionnaire (MCQ)</td>
<td>RANZCOG OFSEP online program</td>
<td></td>
</tr>
</tbody>
</table>
| 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 Level 2 (66-75)*  
Clinical leads and those teaching fetal surveillance are required to achieve FSEP Level 3 (>75) | Successful completion score ≥70%  
**Clinical Leads ≥75%** | 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 ≥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 ≥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

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

- **FSEP (Year 1)**
  - Unsuccessful FSEP
    - Complete OFSEP
      - Successful
        - Midwives
          - OFSEP or KEMH MCQ certificate presented to midwife manager
          - Results recorded by DNAMER
        - Meets annual requirement return to position in 3 year cycle
      - Unsuccessful
        - Medical Practitioners
          - OFSEP or KEMH MCQ certificate presented to PGME
          - Results recorded by PGME
          - Referred to Medical Co-Director
      - Referred to Medical Co-Director
    - Referred to Medical Co-Director

- **KEMH MCQ (Year 2)**
  - Unsuccessful KEMH MCQ
    - Repeat KEMH MCQ
      - Successful
        - Midwives
          - OFSEP or KEMH MCQ certificate presented to midwife manager
          - Results recorded by DNAMER
        - Meets annual requirement return to position in 3 year cycle
      - Unsuccessful
        - Medical Practitioners
          - OFSEP or KEMH MCQ certificate presented to PGME
          - Results recorded by PGME
          - Referred to Medical Co-Director
      - Referred to Medical Co-Director
  - Referred to Medical Co-Director

- **OFSEP (Year 3)**
  - Unsuccessful OFSEP
    - Repeat OFSEP
      - Successful
        - Midwives
          - OFSEP or KEMH MCQ certificate presented to midwife manager
          - Results recorded by DNAMER
        - Meets annual requirement return to position in 3 year cycle
      - Unsuccessful
        - Medical Practitioners
          - OFSEP or KEMH MCQ certificate presented to PGME
          - Results recorded by PGME
          - Referred to Medical Co-Director
      - Referred to Medical Co-Director
  - Referred to Medical Co-Director
References


Related WNHS policies, procedures and guidelines

- KEMH Guidelines Obstetrics & Gynaecology: Fetal Heart Rate Monitoring

<table>
<thead>
<tr>
<th>Keywords:</th>
<th>CTG Policy &amp; Standard, minimum mandatory CTG education requirements,</th>
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<tr>
<td>Document owner:</td>
<td>DNAMER</td>
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<tr>
<td>Author / Reviewer:</td>
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<tr>
<td>Date first issued:</td>
<td>March 2018</td>
</tr>
<tr>
<td>Last reviewed:</td>
<td>December 2019</td>
</tr>
<tr>
<td>Endorsed by:</td>
<td>OGD</td>
</tr>
<tr>
<td>Date:</td>
<td>13 January 2020</td>
</tr>
<tr>
<td>Standards Applicable:</td>
<td>NSQHS Standards: Governance</td>
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