

Fetal Welfare, Obstetric Emergency, Neonatal Resuscitation Training

Document Number IB2008_002

Publication date 09-Jan-2008

Functional Sub group Clinical/ Patient Services - Maternity
Clinical/ Patient Services - Governance and Service Delivery
Personnel/Workforce - Learning and Development

Summary To advise the Area Health Services of the commencement of the Fetal Welfare, Obstetric Emergency, Neonatal Resuscitation Training (FONT) Project and the pending educational requirements of all clinicians privileged or appointed to practise Obstetrics, Registered Midwives, and Student Midwives under the supervision of a Registered Midwife.

Author Branch Primary Health and Community Partnerships

Branch contact Ann Kinnear 9424 5891

Applies to Area Health Services/Chief Executive Governed Statutory Health Corporation, Public Hospitals

Audience Providers of maternity services and all maternity service clinicians

Distributed to Public Health System, Health Associations Unions, Health Professional Associations and Related Organisations, NSW Ambulance Service, NSW Department of Health, Public Hospitals, Tertiary Education Institutes

Review date 09-Jan-2013

File No. 06/8147

Status Active

**MATERNITY EDUCATION: FETAL WELFARE ASSESSMENT,
MATERNITY EMERGENCY MANAGEMENT AND
NEONATAL RESUSCITATION TRAINING**

Background

Since 2003, the Department of Health have been monitoring critical incidents through Reportable Incident Briefs (RIB) and Root Cause Analysis RCA of RIBs with a SAC code of 1 & 2. Review of these RIBs over the past three years demonstrates that a significant number are related to inadequate fetal welfare surveillance, inappropriate management of maternity emergencies or neonatal emergency response and poor communication between teams.

NSW Department of Health has commenced work on a project to help reduce the number of critical incidents associated with electronic Fetal Heart Rate (FHR) monitoring, maternity emergency management and neonatal resuscitation. The program will be rolled out statewide to all appropriately trained and qualified providers of maternity care and relevant students. The project, Fetal welfare, Maternity emergency, Neonatal resuscitation Training (FONT) commenced in 2008. The three stages of the project are:

1. Statewide rollout of K2 Medical System Computerised Training Program for Fetal Welfare assessment and interpretation of intrapartum FHR to all hospitals throughout the NSW responsible for the provision of maternity care.
2. Development and provision of a train the trainer education program for FHR Interpretation and Fetal Welfare Assessment, both antenatal and intrapartum.
3. Development and provision of a train the trainer education program for Obstetric Emergency Management and Neonatal Resuscitation

Purpose

This Information Bulletin outlines the ongoing essential education requirements for clinicians privileged or appointed to practise Obstetrics, trainees in Obstetric Medicine, Registered Midwives and Student Midwives. These educational requirements will be incorporated into the relevant Policy Directives in 2008.

The strategy behind the FONT project is to build educational capacity within the Area Health Services and to provide a consistent statewide approach to educational provision focusing on these important clinical components of maternity service provision.

The Project Officer will provide two days of training in fetal welfare assessment and follow up with two days of training on maternity emergency management and neonatal resuscitation to train approximately 30 trainers in each of the Area Health Services.

Title: Maternity Education: Fetal Welfare Assessment, Maternity Emergency Management and Neonatal Resuscitation Training

These Area trainers will then provide the one day education for all clinicians within the area on an ongoing basis.

The education for all appropriately trained and qualified providers of maternity care and relevant students consists of:

- Eight hours of training time to complete K2 once every three years
- Two hours every other year to complete five K2 cases
- A one day face to face educational program on Fetal Welfare Assessment every three years
- A one day face to face educational program on Maternity Emergency/Neonatal Resuscitation every three years.

Education Program Components

Introduction of K2 MS Fetal Surveillance Training Program

K2MS is an Internet based educational program developed in the United Kingdom by the Plymouth Perinatal Research Group. The program provides eight hours of online training for all appropriately trained and qualified providers of maternity care and relevant students. The program focuses on:

- Fetal Physiology and Acid Base Balance education
- The variables for interpreting intrapartum Electronic Fetal Monitoring (EFM)
- Various interactive case reviews for individual interpretation
- A self assessment process as the user works through the program
- Feedback on the number of users who have completed the program
- Annual update and changes to the case reviews within the program

All clinicians privileged or appointed to practise Obstetrics, Trainees in Obstetric Medicine, Registered Midwives and Student Midwives will be required to complete the K2MS training package within working hours, or be provided with time away from work to complete the training package.

Access to the K2MS training package is available through the NSW Health intranet CIAP website and each user will have an individual password to access the program. Outside the Hospital setting, access via the same individual password is available through the internet.

K2 Training will be required on an ongoing basis.

- Introductory training requires each participant to complete the entire K2 package. This should take approximately eight hours to complete.
- Annually, each participant should complete 5 case studies to continually keep their knowledge updated. This should take about 1- 2 hours to complete.

Title: Maternity Education: Fetal Welfare Assessment, Maternity Emergency Management and Neonatal Resuscitation Training

- The entire K2 training package should be completed again every three years.

Completion of the training package is required within six months of commencement.

Responsibilities for K2 Education:

The Department of Health will take responsibility for:

- Contractual arrangements with K2 Medical Systems
- Provision of the K2MS training program on the CIAP website
- Annual monitoring of K2MS clinician completion

Area Health Services are to nominate a member of staff to take responsibility for:

- Coordination of the implementation throughout the Area Maternity Network
- Reporting back to each maternity unit the training results each six months

Each *hospital* will appoint a K2MS superuser who will be responsible for:

- Provision of password numbers to users
- Training of clinicians to use the program
- Monitoring of clinician participation at each Hospital.

The required level of education mandated for K2MS Fetal Surveillance Training Program will be outlined in a Policy Directive – Maternity - Electronic Fetal Heart Rate Monitoring to be released in 2008.

Fetal Welfare Education Day

A one day education program for all appropriately trained and qualified providers of maternity care and relevant students on fetal welfare assessment and antenatal and intrapartum FHR pattern interpretation is being developed. The program content will include topics such as:

- Tools for Fetal Welfare Assessment
- Fetal Physiology and Understanding the Fetal Heart
- Antenatal Monitoring
- Antenatal Case Review
- Intrapartum Monitoring
- Intrapartum Case Review

The required level of education mandated for the one day Fetal Welfare Education Program, to be attended once every three years, will be outlined in a Policy Directive – Maternity -Electronic Fetal Heart Rate Monitoring to be released in 2008.

Title: Maternity Education: Fetal Welfare Assessment, Maternity Emergency Management and Neonatal Resuscitation Training

Maternity Emergencies/Neonatal Resuscitation Education Day

A one day education program for maternity emergency management and basic neonatal resuscitation is being developed. The program content will include topics such as:

- Management of eclampsia and pre-eclampsia
- Shoulder Dystocia
- Postpartum Haemorrhage
- Maternal Collapse/Resuscitation
- Antepartum Haemorrhage
- Cord Prolapse
- Neonatal Resuscitation
- Premature Labour

The required level of education mandated for Maternity Emergency/Neonatal Resuscitation Education Program will be provided in an updated release of the PD2005_161 Policy Directive – Maternity – Maternity Emergency, and the updated release of PD2005_242 Policy Directive – Maternity – Clinical Care and Resuscitation of the Newborn Infant, both due for release in early 2008.

Responsibilities for face to face education:

240 clinicians throughout the state, based in each of the Area Health Services are required to attend a two day training workshop on Fetal Welfare Assessment that will commence in February 2008. These same clinicians will then attend a two day training workshop for Maternity Emergency Management due to commence in September 2008. The aim of the train the trainer program is to create broad access to the course and enhance the skills of clinicians in training and education.

These trainers will then provide the Area based education for all obstetricians, obstetric registrars, midwives and student midwives who are required to attend both of the education days once every three years.

The Department of Health will take responsibility for:

- Developing the education programs for the fetal welfare and maternity emergency/neonatal resuscitation education days,
- The training of trainers – approximately 30 in each Area Health Service,
- Annual updates of the training program and
- Provision of six monthly comparison reports on the number of staff attending the annual training.

The Area Health Service will be responsible for:

Title: Maternity Education: Fetal Welfare Assessment, Maternity Emergency Management and Neonatal Resuscitation Training

- Provision of approximately 30 medical and midwifery clinicians who will be trained to provide each of the one day educational program. For example 8 –10 medical staff and 20 – 22 midwives
- Venues for the education throughout the AHS
- Equipment to provide the teaching sessions
- Keeping a record of the number of clinicians who have attended and reporting back to the FONT project officer

The *hospital* will be responsible for

- Allocating time for clinician's to attend the required training every three years
- Printing of any material required for each session

Supporting Documents:

Safety Alert SA:004/07 "Electronic Fetal Heart Rate Monitoring"
PD2005_161 Policy Directive – Maternity – Maternity Emergency
PD2005_242 Policy Directive – Maternity – Clinical Care and Resuscitation of the Newborn Infant

Professor Debora Picone AM
Director-General