Intrapartum Fetal Surveillance
Monday 23 September 2019
Venue: RCOG, London

OVERVIEW

This course aims to provide a clinical update on intrapartum fetal surveillance for doctors and midwives who work on the labour ward.

The National Health Service Litigation Authority's (NHSLA) compensation figures for brain damaged children and the Chief Medical Officer's annual report '500 missed opportunities' emphasises that there is still need for improvement. The NHSLA has made formal attendance at cardiotography (CTG) courses as a mandatory requirement to receive Clinical Negligence Scheme for Trusts (CNST) discounts.

This course will provide knowledge at the basic and advanced level to improve safety and quality of care and will help to keep the lawyers away.

Who should attend?
- Staff Grades, Staff Doctors, Trust Doctors and Associate Specialists
- All Trainees and consultants in obstetrics and gynaecology
- Lawyers involved in obstetric medico-legal cases
- Midwives
- Healthcare professionals who provide care to pregnant mothers in labour

After completing this course, you will be able to
- Understand physiology behind normal fetal heart rate control
- Understand the pathophysiology behind the features observed on the cardiotocograph (CTG) trace
- Recognise features of various types of intrapartum fetal hypoxia
- Appreciate the role of oxytocin, meconium and temperature on fetal wellbeing in labour
- Understand the principles behind managing a prolonged deceleration
- Determine the role of additional tests of fetal wellbeing such as fetal scalp blood sampling and fetal ECG (ST-Analyser or STAN)
- Appreciate the medico-legal aspects of intrapartum fetal heart rate monitoring
- Provides essential CTG knowledge required for MRCOG examination as well as serves as an update for obstetricians of all grades
- Claim a maximum of 7 CPD credits for full attendance at this meeting

Course Organisers:
Mr Edwin Chandrarahan MRCOG, London
Dr Leonie Penna FRCOG, London

Honorary Co-Director of Conferences:
Mr Phil Toozs-Hobson FRCOG, Birmingham
Mr Andrew Sizer FRCOG, Shrewsbury
Programme

8.50am REGISTRATION AND REFRESHMENTS

Session I: CTG – pathophysiology, NICE guidelines, difficult patterns, importance of incorporating the ‘clinical picture’

Chair: Dr Leonie Penna, Consultant Obstetrician, King’s College, London

9.10am Welcome and introduction
Dr Leonie Penna

9.20am CTG and medico-legal issues including current strategies in progress to reduce litigation
Professor Philip Steer, Emeritus Professor, Imperial College London, Chelsea and Westminster Hospital, London

9.45am CTG – pathophysiology
Mr Edwin Chandraharan

10.35am Discussion

10.45am Managing ‘prolonged decelerations’ (bradycardia) and ‘sinusoidal patterns’
Ms Devi Subramanian, Lead for Labour Ward, King’s College Hospital, London

11.05am REFRESHMENTS

11.25am Difficulties with the interpretation of CTG (baseline rate, baseline variability, decelerations)
Dr Susanna Pereira, Consultant, Kingston Hospital

11.55am Types of Intrapartum Hypoxia and their management
Mr Edwin Chandraharan

12.30pm How can we provide CTG education?
Dr Manjula Samyraju, Consultant Obstetrician and Gynaecologist, North West Anglia NHS Trust, Peterborough

12.50pm Discussion

1.00pm LUNCH (2 course standing fork lunch)
## Programme

### Session II: Additional tests of fetal well-being including Fetal ECG analysis, management of cases with difficult CTG patterns, Decisions to delivery interval and medico-legal issues

*Chair: Mr Edwin Chandraharan*

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<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker</th>
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<tr>
<td>2.00pm</td>
<td><strong>ECG waveform analysis: scientific basis and evidence</strong></td>
<td>Dr Pina Amin, Consultant Obstetrician, Cardiff University Hospital</td>
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<td>2.20pm</td>
<td><strong>Incorporating ‘clinical picture’: meconium, pyrexia, bleeding, use of oxytocin</strong></td>
<td>Dr Leonie Penna</td>
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<td>2.45pm</td>
<td><strong>Decision to delivery interval and team working</strong></td>
<td>Dr Sonia Barnfield, Consultant Obstetrician and Gynaecologist, Southmead Hospital, Bristol</td>
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<td>3.15pm</td>
<td><strong>Discussion</strong></td>
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<td><strong>REFRESHMENTS</strong></td>
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<td>3.50pm</td>
<td><strong>Illustrative cases</strong></td>
<td>Mr Edwin Chandraharan</td>
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<td>4.40pm</td>
<td><strong>Discussion</strong></td>
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