Mode of fetal monitoring in labour

Risk Factors

Antenatal

Fetal

- Abnormal antenatal CTG
- Abnormal doppler studies and/or bio-physical
- Suspected/confirmed FGR
- Multiple pregnancy
- Breech presentation
- Known fetal abnormality requiring monitoring
- Reduced fetal movements within week preceding labour

Maternal

- Oligohydramnios/polyhydramnios
- **APH**
- PROM ≥ 24 hours
- Gestation ≥ 42 weeks
- Previous caesarean section or uterine surgery
- Essential hypertension or preeclampsia
- Diabetes on medication or poorly controlled or fetal macrosomia
- Current/previous obstetric or medical conditions
- Morbid obesity (BMI \geq 40 kg/m²)
- Age ≥ 42 years
- Abnormal PaPP-A (<0.4 MoM)
- Vasa praevia

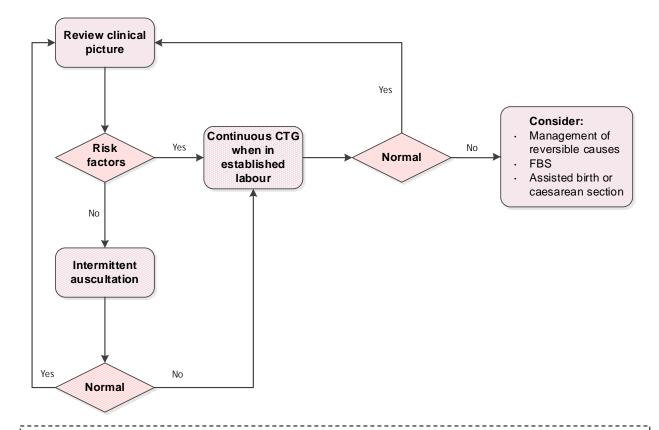
Intrapartum

- IOL with prostaglandin
- Abnormal auscultation or CTG
- Oxytocin induction/augmentation
- Post PV prostaglandins at onset of contractions
- Regional analgesia/paracervical block (obtain baseline trace prior to insertion)
- Abnormal PV bleeding
- Pyrexia T ≥ 38°C
- Meconium or blood stained liquor
- Absent liquor following amniotomy
- Prolonged first stage of labour
- Prolonged 2nd stage where birth not imminent
- PTL < 37/40
- Uterine hyperstimulation/tachysystole

Other

Multiple (≥ 2 conditions)

- Gestation 41+0 to 41+6 weeks
- Gestational hypertension
- GDM without complicating factors
- Obesity (BMI 30-40 kg/m²)
- Age ≥ 40 and < 42 years
- Pyrexia T = 37.8 °C or 37.9 °C



APH antepartum haemorrhage, BMI body mass index, CTG cardiotocograph, FBS fetal blood sample,

FGR fetal growth restriction, GDM gestational diabetes mellitus, IOL induction of labour, MoM multiples of median,

PaPP-A pregnancy associated plasma protein-A, PROM premature rupture of membranes, PTL preterm labour,

PV per vaginal, T temperature, ≥ greater than or equal to, < less than, = equal to; °C degrees celsius

Queensland Clinical Guideline. Intrapartum fetal surveillance. Flowchart: F19.15-1-V6-R24



