

Presentation Outline

- What will we be looking at in the 3rd trimester?
 - Cervix
 - Placenta
 - Fetal Biometry
 - AFI
 - Uterine Artery Doppler
 - Umbilical Artery/vein Doppler
 - Middle Cerebral Artery Doppler
 - Ductus Venosus Doppler
 - Fetal Position

- Fetal Position
 - What position should the baby be in
 - Cephalic
 - If not in that position, what can be done
 - Breech

- 3rd trimester concerns to look for
 - Growth
 - Preterm labor
 - Diabetes
 - Placenta previa
 - Placenta abruption
 - Premature rupture of membranes
 - Poly/Oligohydramnios

- IUGR
 - What is it
 - 3 types
 - How can it be managed- Doppler

- **Macrosomia**
 - What is it
 - Shoulder injuries and cord compression
 - Normal sized trunk with a big head
 - Associations

- **Uterine Artery Doppler**
 - Screening tool for IUGR
 - Abnormal UTA waveforms
 - Placental insufficiency
 - risk for diseases like IUGR

- **Umbilical Vein Doppler**
 - Determination of fetal well-being for growth-restricted fetuses
 - Abnormal waveforms
 - abnormal cardiac function
 - Associations

- **Umbilical Artery Doppler**
 - S/D ratio
 - Assessment is used in surveillance of fetal well-being in the third trimester of pregnancy.
 - Abnormal umbilical artery Doppler
 - placental insufficiency
 - intrauterine growth restriction (IUGR)
 - absent or reversed diastolic flow

- **Middle Cerebral Artery Doppler**

- S/D ratio
- assessment is an important part of assessing
 - fetal cardiovascular distress
 - fetal anemia or fetal hypoxia
 - IUGR, TTTS, TRAPS
- Ductus Venosus Doppler
 - Tri phasic waveform
 - Comprises three different characteristics
 - S wave, D wave, A wave
 - Assessment of:
 - intrauterine growth restriction (IUGR)
 - fetal cardiac compromise
- Biophysical Profile
 - Fetal Breathing
 - Fetal Movement
 - Fetal tone
 - AFI
 - Nonstress test
 - Out of 8 or 10 points
 - Abnormal points
- Nonstress test
 - What is it
 - noninvasive way of checking babies health
 - why would someone need it
 - Non Reactive test
- AFI
 - Decreased in the 3rd trimester
 - At term the rate of ingestion = urine production

- Normal AFI in 3rd tri is around 8-14 cm on average
 - <5 oligohydramnios
 - >25 polyhydramnios
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- Amniocentesis
 - Fetal lung maturity
 - Uterine infection
 - Rh disease