

### Fetal Magnetocardiography

- Rhythm
  - Real-time
  - HR variability
- Arrhythmias
- Conduction characteristics - wide QRS
- Repolarization characteristics - TWA
- Ischemia



### New Research

#### Fetal EP Abnormalities in High Risk Pregnancies Associated with Fetal Demise

- Women with Hx of prior stillbirth after 20 weeks GA
- Birth defects (heart, intestinal)
- Twin-Twin Transfusion Syndrome
- Fetal hydrops
- Pre-eclampsia
- Multiple maternal medications

#### Fetus

- Cardiac dysfunction
- Growth/Development
- Toxicity/Proarrhythmia



#### Mother

- Bradycardia
- Nausea
- ECG abnormalities
- Other side effects
- Anxiety