

**Doppler in Obstetrics**  
*Apollo Centre for Fetal Medicine, New Delhi*

**Objectives:**

- To gain an overview of the physics and basic principles of Doppler ultrasound.
- Application of Doppler ultrasound in each trimester.
- Clinical application of Doppler in management of high risk pregnancies.

**Who should do it?**

Physicians with prior experience in obstetric ultrasound would benefit most from this course.

**Eligibility:** MD/MS/DNB (Obstetrics and Gynaecology)/DGO  
MD (Radiology)/DMRD

**Duration: One week**

**Curriculum:**

*Introduction*

- Ultrasound room etiquette
- Fetal circulation

*Basics of Doppler Ultrasound*

- Physics for the Obstetrician
- Safety of Ultrasound
- Knobology
- Methodology of assessment of Doppler

*Doppler in First trimester*

- Ductus venosus
- Tricuspid regurgitation
- Assessment of vasa praevia
- **Clinical cases**

*Dopplers in Second trimester*

- Uterine arteries : Risk assessment for preeclampsia/IUGR
- Renal arteries
- Assessment of the umbilical cord
- **Clinical cases**

*Dopplers in Third trimester*

- Umbilical artery
- MCA
- Ductus venosus
- **Clinical cases**
- **Case discussions**
  - IUGR
  - Postdated pregnancy
  - Decreased fetal movements

**Course fee:** INR 20,000/-

**Certificate of attendance** will be issued at the end of the course.