

SMALL FETUS IDENTIFIED
AC and/or EFW <10th centile

ONLINE RESOURCES

WHO Fetal Growth Calculator
srhr.org/fetalgrowthcalculator

UA-PI Percentile Calculator
perinatology.com/calculators/umbilicalartery.htm

BCWH Ultrasound Guidance
bcwomens.ca/health-professionals/refer-a-patient/ultrasound

Possible early-onset FGR
<32 weeks gestation

Is the gestational age <32 weeks?

YES

NO

Refer to maternal-fetal medicine for consultation

SGA fetus or late-onset FGR
≥32 weeks gestation

- Management based on ultrasound and umbilical artery (UA) Doppler findings
- Screen for maternal signs and symptoms of preeclampsia
- Daily fetal movement counts

SGA

Classify as SGA if all of the following are present:

- Normal UA Doppler with pulsatility index <95th centile
- AC ≥3rd centile
- EFW ≥3rd centile
- Normal amniotic fluid volume

FGR

Classify as FGR if one or more of the following are present:

- AC <3rd centile
- EFW <3rd centile
- Increased UA resistance with pulsatility index ≥95th centile *and* positive end-diastolic flow
- Abnormal amniotic fluid volume

FGR with advanced fetal Doppler abnormalities

Urgent attention needed if any of the following are present:

- Intermittent absent or absent end-diastolic flow (AEDF) in the umbilical artery
- Intermittent reversed or reversed end-diastolic flow (REDF) in the umbilical artery

- Refer to local obstetrics service for prenatal care and management
- Arrange for modified BPP and UA Dopplers weekly
- Ultrasound to evaluate fetal growth every 2 weeks
- If FGR develops, refer to FGR pathway or deliver if ≥37 weeks
- Contact MFM if clinical uncertainty or questions about case management
- **Deliver at 38 to 39 weeks***

- **Refer to obstetrics or maternal-fetal medicine for consultation or case review**
- Arrange for modified BPP and UA Dopplers 2x per week while awaiting consultation or advice from OB/MFM
- Ultrasound to evaluate fetal growth every 2 weeks
- Management plan will be formulated at the time of consultation
- **Deliver at 37 weeks gestation***

Urgent referral to maternal-fetal medicine

FGR: Fetal growth restriction
SGA: Small for gestational age
AC: Abdominal circumference
EFW: Estimated fetal weight
UA: Umbilical artery
PI: Pulsatility index
NST: Non-stress test
Modified BPP (biophysical profile): NST + ultrasound to assess amniotic fluid volume
AEDF: Absent end-diastolic flow
REDF: Reversed end-diastolic flow
MFM: Maternal-fetal medicine

**Earlier delivery may be indicated for maternal or fetal indications depending on the overall clinical picture*