Clinical suspicion/risk factors

Sonographic assessment of fetal weight (EFW Hadlock-4)

EFW <10\textsuperscript{th} centile
- Ensure accurate dating
- Consider deriving a customised centile
- Assess anatomy/placenta/amniotic fluid volume
- Perform UA Doppler

EFW >10\textsuperscript{th} centile
- Routine care, consider follow up scan in 4 weeks

Normal UA
- Repeat sonogram in 2-weekly intervals
- Assess biometry, UA and AFI
- Consider delivery at 37 weeks and no later than 40 weeks if good

UA Doppler (PI>95\textsuperscript{th}, +EDF)
- Repeat sonogram in weekly intervals or more frequently as necessary
- Assess UA, AFI; (MCA optional)
- 2-weekly biometry assessment
- Timed corticosteroids < 34 weeks
- Consider delivery at 37 weeks, or earlier if poor interval growth

UA AEDF*
- Admit, repeat sonogram in twice weekly intervals or more frequently as necessary
- Assess UA, AFI; (MCA optional)
- Timed corticosteroids
- Deliver no later than 34 weeks
- MgSO\textsubscript{4} <32 weeks

UA REDF*
- Admit, repeat sonogram in thrice weekly intervals or more frequently as necessary
- Assess UA, AFI; (MCA optional)
- Timed corticosteroids
- Deliver no later than 30 weeks
- MgSO\textsubscript{4} <32 weeks

In all cases, delivery is also indicated by abnormal CTG, ideally based on short term variation CTG if fetus deemed viable (ie GA>24 weeks and EFW>500grams)

*In cases of AREDF, consider the opinion of a fetal medicine specialist regarding timing of delivery

Send placenta for histopathology
Obtain arterial and venous cord pH

Offer follow up appointment to women with IUGR <3\textsuperscript{rd} centile and delivery <34 weeks

Review of placental histology
Consider thrombophilia screening
Modification of risk factors
Prevention with Aspirin/LMWH

ABBREVIATIONS: EFW, estimated fetal weight (Hadlock-4); UA, umbilical artery; EDF, end-diastolic flow; AEDF, absent end-diastolic flow; REDF, reversed end-diastolic flow; AFI, amniotic fluid index; AREDF, absent or reversed end-diastolic flow in UA; CTG, cardiotocograph; MCA, middle cerebral artery; GA, gestational age.