

Reference:	FOI.16751.25
Subject:	Obstetric units
Date of Request:	5 March 2025

Requested:

1. Is your Hospital(s) a tertiary Fetal Medicine Unit?
2. Does your Hospital(s) do a routine late third trimester scan for every woman in pregnancy?
3. Regarding growth scans in the second or third trimester:
 - a. To calculate HC do you use HC or BPD + OFD?
 - b. To calculate AC do you use AC or TAPD + APD?
 - c. To plot FL centile which biometry chart do you use? (eg Chitty)
 - d. To plot HC centile which biometry chart do you use? (eg Chitty)
 - e. To plot AC centile which biometry chart do you use? (eg Chitty)
4. What algorithm do you use to calculate Estimated Fetal Weight? (Eg Hadlock (HC, AC, FL), Hadlock (BPD-HC-AC-FL), Hadlock (FL-AC), Warsof (BPD-AC), Persson (BPD-TAD-APAD-FL), Hansmann et al, Combs, Souka, INTERGROWTH-21ST or other)
5. What centile reference chart do you use to plot the Estimated Fetal Weight?
6. Does your trust use GAP-GROW?
7. To measure Amniotic Fluid does your trust measure Deepest Vertical Pool or measure Amniotic Fluid Index?
8. Which chart do you use to plot the amniotic fluid volume?
9. When measuring Uterine Artery Doppler PI and PSV which reference centile chart do you use?
10. When measuring Umbilical Artery Doppler PI and PSV which reference centile chart do you use?
11. When measuring Middle Cerebral Artery Doppler PI and PSV which reference centile chart do you use?
12. When measuring Ductus Venosus Doppler PI and PSV which reference centile chart do you use?

Response:

1. Hywel Dda University Health Board (UHB) confirms that it is not a tertiary Fetal Medicine Unit.
2. The UHB confirms that it does not do a routine late third trimester scan for every woman in pregnancy.
3. The UHB provides the information requested in relation to growth scans in the second or third trimester within the table below.

a.	To calculate Head Circumference (HC) do you use HC or Biparietal Diameter (BPD) and Occipitofrontal Diameter OFD?	HC
b.	To calculate Abdominal Circumference (AC) do you use AC or TAPD and Anteroposterior Diameter (APD)?	AC
c.	To plot Femur Length (FL) centile which biometry chart do you use?	Chitty
d.	To plot HC centile which biometry chart do you use?	Chitty
e.	To plot AC centile which biometry chart do you use?	Chitty

4. The UHB uses INTERGROWTH-21st to calculate the Estimated Fetal Weight (EFW).
5. The UHB uses the reference centile curves at 3rd, 10th, 50th, 90th and 97th centiles to plot the Estimated EFW.
6. The UHB confirms that it does use Growth Assessment Protocol (GAP)-GROW.
7. The UHB uses Deepest Vertical Pool (DVP) to measure Amniotic Fluid. However, the Amniotic Fluid Index (AFI) is used if DVP suggests polyhydramnios.
8. The UHB confirms that it does not use a chart to plot the volume of amniotic fluid.
9. The UHB does not use a chart to measure Uterine Artery Doppler Pulsatility Index (PI) and Peak Systolic Velocity (PSV).
10. The UHB uses INTERGROWTH-21st to measure Umbilical Artery Doppler PI and PSV.
11. The UHB uses INTERGROWTH-21st to measure Middle Cerebral Artery Doppler (MCAD) PI and PSV.
12. The UHB confirms that it does not measure Ductus Venosus Doppler (DVD) PI and PSV.