

FOI 2958

14th March 2025

FREEDOM OF INFORMATION ACT 2000 – INFORMATION REQUEST

1: Is your trust a tertiary Fetal Medicine Unit?

Response: No

2: Does your trust do a routine late third trimester scan for every woman in pregnancy?

Response: No

Regarding growth scans in the second or third trimester:

3. To calculate HC do you use HC or BPD + OFD?

Response: HC

4. To calculate AC do you use AC or TAPD + APD?

Response: AC

5. To plot FL centile which biometry chart do you use?

Response: Hadlock 1984

6. To plot HC centile which biometry chart do you use?

Response: Hadlock 1984

7. To plot AC centile which biometry chart do you use?

Response: Hadlock 1984

Although the FL, HC & AC biometry charts are present within the system the Trust uses, and can be added to the final system report if the user decides this is not routine practice. Presently we refer to the EFW, plotted on the patient's customised growth chart to monitor growth velocity.

8. What algorithm do you use to calculate Estimated Fetal Weight?

Response: Hadlock 1991

9. What centile reference chart do you use to plot the Estimated Fetal Weight?

Response: We currently use customized growth charts for singleton pregnancies

10. Does your trust use GAP-GROW?

Response: Yes

11. To measure Amniotic Fluid does your trust measure Deepest Vertical Pool or measure Amniotic Fluid Index?

Response: Both methods are used to monitor amniotic fluid volume depending on the clinical situation

12. Which chart do you use to plot the amniotic fluid volume?

Response: We don't routinely use a chart to plot the AFV however, as part of the our current system, the AFV is available on a chart:
(AFI-Moore 1990 / DVP-Magann 2000)

13. When measuring Umbilical Artery Doppler PI and PSV which reference centile chart do you use?

Response: When measuring Umb art Doppler we presently refer to the PI and not the PSV, the centile chart used for this is; Ebbing 2007 for 2nd trimester and Ciobanu 2019 for 3rd trimester)

14. When measuring Uterine Artery Doppler PI and PSV which reference centile chart do you use?

Response: Uterine art Doppler is not currently routine practice within the SHSCT however, there are plans to integrate this practice into routine antenatal care.

15. When measuring Middle Cerebral Artery Doppler PI and PSV which reference centile chart do you use?

Response:

For PSV:

1st trim – None

2nd trim – Ebbing 2007

For PI:

1st trim - None

2nd trim – Ebbing 2007

3rd trim – Mari 2000

3rd trim – Ciobanu 2019

16. When measuring Ductus Venosus Doppler PI and PSV which reference centile chart do you use?

Response:

For PSV:

1st trim – Hecher 1994
2nd trim – Hecher 1994
3rd trim – Hecher 1994

For PI:

1st trim – Turan 2014
2nd trim – Baschat 2003
3rd trim – Baschat 2003

17. Do you use the same charts for fetal biometry, Amniotic Fluid Index and Dopplers across all hospitals in your trust and all trusts in LMNS region?

Response: The SHSCT recently implemented an online archiving system. This process has taken some time however is now almost complete with the exception of one site (delay due to relocation of services).

We are also in the process of standardising all measurement reference ranges for both biometry measurements and Dopplers across Northern Ireland (X5 HSC Trusts) and as a result it is very likely that some of this information may change depending on regional guidance.

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