

05 March 2025

***Request under Freedom of Information Act 2000***

Thank you for your request for information which we received on Tuesday 18 February 2025.  
I am pleased to confirm the following.

**-To which LMNS does your trust belong to?**

BLMK - Bedford, Luton &amp; Milton Keynes LMNS

**-Is your trust a tertiary Fetal Medicine Unit?**

No

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

No

**-Does your trust use GAP-GROW?**

Yes

**Regarding growth scans in the second or third trimester:****-To calculate HC do you use HC or BPD + OFD?**

HC

**-To calculate AC do you use AC or TAPD + APD?**

AC

**-To plot FL centile which biometry chart do you use? (eg Chitty)**

Chitty

**-To plot HC centile which biometry chart do you use? (eg Chitty)**

Chitty

**-To plot AC centile which biometry chart do you use? (eg Chitty)**

Chitty

**-What algorithm do you use to calculate Estimated Fetal Weight?**

Hadlock (HC, AC, FL)

**-What centile reference chart do you use to plot the Estimated Fetal Weight?**

Viewpoint- Hadlock FP, Harrist RB, Martinez-Poyer J. In Utero Analysis of Fetal Growth: A Sonographic Weight Standard. Radiology 1991; 181: 129-133

**-Does your trust use GAP-GROW?**

Yes

**-To measure Amniotic Fluid does your trust measure Deepest Vertical Pool or measure Amniotic Fluid Index?**

Deepest pool in the first instance, if measurement >8cm, AFI measured.

**-Which chart do you use to plot the amniotic fluid volume?**

Viewpoint- Magann EF, Sanderson M, Martin JN, Chauhan S. The amniotic fluid index, single deepest pocket, and two-diameter pocket in normal human pregnancy. Am J Obst Gynecol 2000; 182:1581-8

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

Viewpoint-Bahlmann F, Fittschen M, Reinhard I, Wellek S, Steiner E. Reference values for blood flow velocity in the uterine artery in normal pregnancies from 18 weeks to 42 weeks of gestation calculated by automatic Doppler waveform analysis. Ultraschall in Med 2012; 33: 258-264

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

Viewpoint-Personal communication. Schaffer H, Staudach A. Doppler-Referenzkurven. Frauenklinik LKA Salzburg 1997

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

Not routinely used in Obstetric scan department. Performed by Fetal Medicine

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

Not routinely used in Obstetric scan department.

**-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?**

Yes, across the trust.

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If you need any further assistance, please do not hesitate to contact us at the address above.

Yours sincerely

Information Governance Administrator  
For and on behalf of Milton Keynes Hospital NHS Foundation Trust

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