

Ref. No:	1579
Date:	26/02/25
Subject:	Fetal Growth Chart

REQUEST & RESPONSE

What growth chart do you use in your maternity department for fetal biometry including estimated fetal weight? If this has changed since 2017, please include previous growth charts since 01/01/2017 in the answer.

Since 2016 the maternity service has been using the Perinatal Institute Gestation Related Optimal Weight (GROW) Charts for monitoring estimated fetal weight.

This is based on principles set out in the Lancet [https://doi.org/10.1016/0140-6736\(92\)91342-6](https://doi.org/10.1016/0140-6736(92)91342-6) and Ultrasound in Obstetrics and Gynaecology <https://doi.org/10.1046/j.1469-0705.1995.06030168.x>. It has recently been upgraded to GROW 2.0: <https://www.perinatal.org.uk/GROW2.0/>

Gardosi j, et al. Customized growth charts: rationale, validation and clinical benefits. American Journal of Obstetrics & Gynaecology. 2018;218(2S):S609-18.

Please provide specific journal references, rather than the generic name of the chart i.e.- 'Hadlock et al. In utero analysis of fetal growth: a sonographic weight standard. Radiology 1991;181(1):129-33'. If any adaptations to the chart are used, please also provide the journal references to these i.e. 'Gardosi et al. Customised antenatal growth charts. Lancet 1992;339(8788):283-7'

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Hadlock FP, et al., In utero analysis of fetal growth: a sonographic weight standard. Radiology. 1991 Oct;181(1):129-33