

Supplementary material

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Supplement to: F Liu, J Lu, AHW Kwan, et al. Consolidated and updated ultrasonographic fetal biometry and estimated fetal weight references for the Hong Kong Chinese population. Hong Kong Med J 2024 Dec;30(6):444-51 | Epub 16 Dec 2024.
<https://doi.org/10.12809/hkmj2310910>.

Supplementary Table 1. Smoothing functions for median (μ), coefficient of variation (σ), and skewness (λ) used to derive reference equations for fetal biometry according to gestational age

Abdominal circumference

$$\mu(\text{GA}) \quad -9.67592919 + 1.27599572 \times \text{GA} - 0.00011240 \times \text{GA}^3$$

$$\sigma(\text{GA}) \quad -2.65372675 - 0.01378611 \times \text{GA}$$

$$\lambda(\text{GA}) \quad -0.20107911$$

Head circumference

$$\mu(\text{GA}) \quad -5.22260453 + 0.75749674 \times \text{GA} + 0.03059762 \times \text{GA}^2 - 0.000642244 \times \text{GA}^3$$

$$\sigma(\text{GA}) \quad -2.18218446 - 0.04131363 \times \text{GA}$$

$$\lambda(\text{GA}) \quad 6.55979294 - 0.22558751 \times \text{GA}$$

Biparietal diameter (outer to inner)

$$\mu(\text{GA}) \quad -1.32598264 + 0.20385472 \times \text{GA} + 0.00797103 \times \text{GA}^2 - 0.00016003 \times \text{GA}^3$$

$$\sigma(\text{GA}) \quad -2.03312605 - 0.03847377 \times \text{GA}^3$$

$$\lambda(\text{GA}) \quad 2.45191633$$

Femur length

$$\mu(\text{GA}) \quad -3.36012997 + 0.340450504 \times \text{GA} - 0.000048407 \times \text{GA}^3$$

$$\sigma(\text{GA}) \quad -2.13924086 - 0.03249961 \times \text{GA}$$

$$\lambda(\text{GA}) \quad -0.65611989$$

Abbreviation: GA = gestational age

Supplementary Table 2. Smoothing functions for median (μ), coefficient of variation (σ), and skewness (λ) used to derive reference equations for estimated fetal weight according to gestational age

Estimated fetal weight

$\mu(\text{GA})$	$0.53506422 + 0.33308619 \times \text{GA} - 0.00361885 \times \text{GA}^2$
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$\sigma(\text{GA})$	$-3.42743825 - 0.02714572 \times \text{GA}$
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$\lambda(\text{GA})$	0.656119889
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Abbreviation: GA = gestational age