

Fetal weight

The fetal weight is estimated from such measured values as biparietal diameter (BPD), anteroposterior trunk diameter (APTD), and transverse trunk diameter (TTD).

For fetal weight estimation, one of the following four expressions is available.

Units are cm length and cm² for area.

<USA version>

(Shepard method)

$$FW (g) = 10 \text{ EXP } [(AC * 0.046) - (BPD * AC * 0.002646) + (BPD * 0.166) + 1.2508]$$

(Hadlock method '85)

$$FW (g) = 10 \text{ EXP } [1.304 / (AC * 0.05281) / (FL * 0.1938) - (AC * FL * 0.004)]$$

<Europe version>

(Shepard method)

$$FW (g) = 10 \text{ EXP } [(AC * 0.046) - (BPD * AC * 0.002646) / (BPD * 0.166) + 1.2508]$$

<Tokyo University version>

$$FW (g) = 1.07 * (BPD)^3 + 3.42 * APTD * TTD * F$$

<Osaka university version>

$$FW (g) = 1.25647 * (BPD)^3 + 3.50665 * FTA * FL + 6.3$$

List of abbreviations :

BPD	: Biparietal Diameter	F (FL)	: Femur Length
APTD	: Anteroposterior Trunk Diameter	TTD	: Transverse Trunk Diameter
FTA	: Fetal Trunk Cross-Section Area	AC	: Abdominal Circumference