

2. BẢNG BÁCH PHÂN VỊ CHIỀU DÀI XƯƠNG

| Lower Extremity Long Bones | | | | | | | | | | | | |
|----------------------------|-------|--------|--------|------|-------|--------|--------|------|--------|--------|--------|------|
| GA week | Femur | | | | Tibia | | | | Fibula | | | |
| | 5th % | 50th % | 95th % | SD | 5th % | 50th % | 95th % | SD | 5th % | 50th % | 95th % | SD |
| 15 | 1.26 | 1.68 | 2.10 | 0.26 | 1.06 | 1.46 | 1.86 | 0.24 | 1.06 | 1.46 | 1.86 | 0.24 |
| 16 | 1.54 | 1.97 | 2.39 | 0.26 | 1.31 | 1.71 | 2.12 | 0.25 | 1.33 | 1.74 | 2.14 | 0.25 |
| 17 | 1.83 | 2.25 | 2.68 | 0.26 | 1.56 | 1.97 | 2.38 | 0.25 | 1.61 | 2.01 | 2.42 | 0.25 |
| 18 | 2.11 | 2.54 | 2.97 | 0.26 | 1.82 | 2.23 | 2.64 | 0.25 | 1.87 | 2.28 | 2.69 | 0.25 |
| 19 | 2.39 | 2.82 | 3.26 | 0.26 | 2.08 | 2.49 | 2.90 | 0.25 | 2.13 | 2.54 | 2.95 | 0.25 |
| 20 | 2.67 | 3.10 | 3.54 | 0.27 | 2.33 | 2.75 | 3.16 | 0.25 | 2.38 | 2.79 | 3.20 | 0.25 |
| 21 | 2.94 | 3.38 | 3.82 | 0.27 | 2.58 | 3.00 | 3.42 | 0.25 | 2.62 | 3.03 | 3.45 | 0.25 |
| 22 | 3.21 | 3.65 | 4.09 | 0.27 | 2.83 | 3.25 | 3.67 | 0.25 | 2.85 | 3.27 | 3.69 | 0.25 |
| 23 | 3.47 | 3.92 | 4.36 | 0.27 | 3.07 | 3.49 | 3.91 | 0.26 | 3.08 | 3.50 | 3.92 | 0.26 |
| 24 | 3.74 | 4.18 | 4.63 | 0.27 | 3.31 | 3.73 | 4.16 | 0.26 | 3.30 | 3.72 | 4.15 | 0.26 |
| 25 | 3.99 | 4.44 | 4.89 | 0.27 | 3.54 | 3.97 | 4.39 | 0.26 | 3.51 | 3.94 | 4.36 | 0.26 |
| 26 | 4.24 | 4.69 | 5.14 | 0.27 | 3.76 | 4.19 | 4.62 | 0.26 | 3.72 | 4.15 | 4.57 | 0.26 |
| 27 | 4.49 | 4.94 | 5.39 | 0.28 | 3.98 | 4.41 | 4.84 | 0.26 | 3.92 | 4.35 | 4.78 | 0.26 |
| 28 | 4.73 | 5.18 | 5.64 | 0.28 | 4.19 | 4.62 | 5.05 | 0.26 | 4.11 | 4.54 | 4.97 | 0.26 |
| 29 | 4.96 | 5.42 | 5.87 | 0.28 | 4.39 | 4.82 | 5.26 | 0.26 | 4.29 | 4.72 | 5.16 | 0.26 |
| 30 | 5.18 | 5.64 | 6.10 | 0.28 | 4.58 | 5.01 | 5.45 | 0.27 | 4.47 | 4.90 | 5.34 | 0.27 |
| 31 | 5.40 | 5.86 | 6.32 | 0.28 | 4.76 | 5.20 | 5.64 | 0.27 | 4.63 | 5.07 | 5.51 | 0.27 |
| 32 | 5.61 | 6.07 | 6.54 | 0.28 | 4.94 | 5.38 | 5.82 | 0.27 | 4.79 | 5.24 | 5.68 | 0.27 |
| 33 | 5.81 | 6.27 | 6.74 | 0.28 | 5.11 | 5.55 | 6.00 | 0.27 | 4.95 | 5.39 | 5.84 | 0.27 |
| 34 | 6.00 | 6.47 | 6.94 | 0.29 | 5.27 | 5.72 | 6.16 | 0.27 | 5.09 | 5.54 | 5.99 | 0.27 |
| 35 | 6.18 | 6.65 | 7.12 | 0.29 | 5.42 | 5.87 | 6.32 | 0.27 | 5.23 | 5.68 | 6.13 | 0.27 |
| 36 | 6.35 | 6.83 | 7.30 | 0.29 | 5.58 | 6.03 | 6.48 | 0.28 | 5.36 | 5.82 | 6.27 | 0.28 |
| 37 | 6.51 | 6.99 | 7.47 | 0.29 | 5.72 | 6.18 | 6.63 | 0.28 | 5.49 | 5.94 | 6.40 | 0.28 |
| 38 | 6.66 | 7.14 | 7.62 | 0.29 | 5.87 | 6.32 | 6.78 | 0.28 | 5.60 | 6.06 | 6.52 | 0.28 |

| Upper Extremity Long Bones | | | | | | | | | | | | |
|----------------------------|---------|--------|--------|------|--------|--------|--------|------|-------|--------|--------|------|
| GA week | Humerus | | | | Radius | | | | Ulna | | | |
| | 5th % | 50th % | 95th % | SD | 5th % | 50th % | 95th % | SD | 5th % | 50th % | 95th % | SD |
| 15 | 1.31 | 1.69 | 2.07 | 0.23 | 1.05 | 1.45 | 1.85 | 0.24 | 1.14 | 1.54 | 1.94 | 0.24 |
| 16 | 1.58 | 1.97 | 2.35 | 0.23 | 1.29 | 1.69 | 2.09 | 0.24 | 1.41 | 1.81 | 2.21 | 0.24 |
| 17 | 1.85 | 2.24 | 2.63 | 0.24 | 1.52 | 1.93 | 2.33 | 0.25 | 1.67 | 2.08 | 2.48 | 0.25 |
| 18 | 2.12 | 2.51 | 2.90 | 0.24 | 1.75 | 2.15 | 2.56 | 0.25 | 1.93 | 2.33 | 2.74 | 0.25 |
| 19 | 2.38 | 2.77 | 3.16 | 0.24 | 1.97 | 2.38 | 2.79 | 0.25 | 2.18 | 2.58 | 2.99 | 0.25 |
| 20 | 2.63 | 3.03 | 3.42 | 0.24 | 2.18 | 2.59 | 3.00 | 0.25 | 2.42 | 2.83 | 3.24 | 0.25 |
| 21 | 2.88 | 3.28 | 3.67 | 0.24 | 2.39 | 2.80 | 3.22 | 0.25 | 2.65 | 3.06 | 3.48 | 0.25 |
| 22 | 3.12 | 3.52 | 3.92 | 0.24 | 2.59 | 3.01 | 3.42 | 0.25 | 2.87 | 3.29 | 3.71 | 0.25 |
| 23 | 3.35 | 3.75 | 4.16 | 0.24 | 2.79 | 3.20 | 3.62 | 0.25 | 3.09 | 3.51 | 3.93 | 0.25 |
| 24 | 3.57 | 3.98 | 4.38 | 0.25 | 2.97 | 3.40 | 3.82 | 0.26 | 3.30 | 3.72 | 4.15 | 0.26 |
| 25 | 3.79 | 4.19 | 4.60 | 0.25 | 3.16 | 3.58 | 4.00 | 0.26 | 3.51 | 3.93 | 4.35 | 0.26 |
| 26 | 3.99 | 4.40 | 4.81 | 0.25 | 3.33 | 3.76 | 4.19 | 0.26 | 3.70 | 4.13 | 4.56 | 0.26 |
| 27 | 4.19 | 4.60 | 5.01 | 0.25 | 3.50 | 3.93 | 4.36 | 0.26 | 3.89 | 4.32 | 4.75 | 0.26 |
| 28 | 4.37 | 4.79 | 5.20 | 0.25 | 3.67 | 4.10 | 4.53 | 0.26 | 4.07 | 4.50 | 4.93 | 0.26 |
| 29 | 4.55 | 4.97 | 5.39 | 0.25 | 3.83 | 4.26 | 4.69 | 0.26 | 4.25 | 4.68 | 5.1 | 0.26 |
| 30 | 4.72 | 5.14 | 5.56 | 0.26 | 3.98 | 4.41 | 4.85 | 0.27 | 4.41 | 4.85 | 5.28 | 0.27 |

| Upper Extremity Long Bones (Continued) | | | | | | | | | | | | |
|--|---------|--------|--------|------|--------|--------|--------|------|-------|--------|--------|------|
| GA week | Humerus | | | | Radius | | | | Ulna | | | |
| | 5th % | 50th % | 95th % | SD | 5th % | 50th % | 95th % | SD | 5th % | 50th % | 95th % | SD |
| 31 | 4.89 | 5.31 | 5.73 | 0.26 | 4.12 | 4.56 | 5.00 | 0.27 | 4.57 | 5.01 | 5.45 | 0.27 |
| 32 | 5.04 | 5.47 | 5.89 | 0.26 | 4.26 | 4.70 | 5.14 | 0.27 | 4.72 | 5.16 | 5.61 | 0.27 |
| 33 | 5.20 | 5.62 | 6.05 | 0.26 | 4.40 | 4.84 | 5.28 | 0.27 | 4.87 | 5.31 | 5.75 | 0.27 |
| 34 | 5.34 | 5.77 | 6.20 | 0.26 | 4.52 | 4.97 | 5.41 | 0.27 | 5.00 | 5.45 | 5.90 | 0.27 |
| 35 | 5.48 | 5.92 | 6.35 | 0.26 | 4.64 | 5.09 | 5.54 | 0.27 | 5.13 | 5.58 | 6.03 | 0.27 |
| 36 | 5.62 | 6.06 | 6.49 | 0.26 | 4.76 | 5.21 | 5.66 | 0.27 | 5.26 | 5.71 | 6.16 | 0.27 |
| 37 | 5.76 | 6.20 | 6.64 | 0.27 | 4.87 | 5.32 | 5.77 | 0.28 | 5.37 | 5.82 | 6.28 | 0.28 |
| 38 | 5.90 | 6.34 | 6.78 | 0.27 | 4.97 | 5.42 | 5.88 | 0.28 | 5.48 | 5.93 | 6.39 | 0.28 |

All measurements in cm. Data adapted from: Exacoustos C et al: Ultrasound measurements of fetal limb bones. *Ultrasound Obstet Gynecol.* 1(5):325-30, 1991; Merz E et al: Mathematical modeling of fetal limb growth. *J Clin Ultrasound.* 17(3):179-85, 1989; Jeanty P et al: A longitudinal study of fetal limb growth. *Am J Perinatol.* 1(2):136-44, 1984.

Other Important Measurements

| GA week | Scapula | | | Thoracic Circumference | | | Clavicle | | |
|---------|---------|------|-------|------------------------|--------|--------|----------|--------|--------|
| | -2 SD | Mean | +2 SD | 5th % | 50th % | 95th % | 5th % | 50th % | 95th % |
| 16 | 0.8 | 1.2 | 1.6 | 6.4 | 9.1 | 11.9 | 1.39 | 1.54 | 1.69 |
| 17 | 0.9 | 1.3 | 1.7 | 7.3 | 10.0 | 12.8 | 1.57 | 1.73 | 1.90 |
| 18 | 1.0 | 1.4 | 1.8 | 8.2 | 11.0 | 13.7 | 1.74 | 1.92 | 2.10 |
| 19 | 1.1 | 1.5 | 1.9 | 9.1 | 11.9 | 14.6 | 1.91 | 2.10 | 2.29 |
| 20 | 1.2 | 1.6 | 2.0 | 10.0 | 12.8 | 15.5 | 2.06 | 2.27 | 2.47 |
| 21 | 1.3 | 1.7 | 2.1 | 11.0 | 13.7 | 16.4 | 2.21 | 2.43 | 2.65 |
| 22 | 1.4 | 1.8 | 2.2 | 11.9 | 14.6 | 17.3 | 2.34 | 2.58 | 2.81 |
| 23 | 1.5 | 1.9 | 2.3 | 12.8 | 15.5 | 18.2 | 2.48 | 2.72 | 2.97 |
| 24 | 1.6 | 2.0 | 2.4 | 13.7 | 16.4 | 19.1 | 2.60 | 2.86 | 3.12 |
| 25 | 1.6 | 2.1 | 2.5 | 14.6 | 17.3 | 20.0 | 2.72 | 3.00 | 3.27 |
| 26 | 1.7 | 2.2 | 2.6 | 15.5 | 18.2 | 21.0 | 2.84 | 3.12 | 3.41 |
| 27 | 1.8 | 2.3 | 2.7 | 16.4 | 19.1 | 21.9 | 2.95 | 3.25 | 3.55 |
| 28 | 1.9 | 2.4 | 2.8 | 17.3 | 20.0 | 22.8 | 3.05 | 3.37 | 3.68 |
| 29 | 2.0 | 2.4 | 2.8 | 18.2 | 21.0 | 23.7 | 3.15 | 3.48 | 3.81 |
| 30 | 2.1 | 2.5 | 3.0 | 19.1 | 21.9 | 24.6 | 3.25 | 3.59 | 3.93 |
| 31 | 2.2 | 2.6 | 3.1 | 20.0 | 22.8 | 25.5 | 3.34 | 3.70 | 4.06 |
| 32 | 2.3 | 2.7 | 3.1 | 20.9 | 23.7 | 26.4 | 3.43 | 3.80 | 4.17 |
| 33 | 2.4 | 2.8 | 3.2 | 21.8 | 24.6 | 27.3 | 3.52 | 3.90 | 4.29 |
| 34 | 2.5 | 2.9 | 3.3 | 22.8 | 25.5 | 28.2 | 3.60 | 4.00 | 4.40 |
| 35 | 2.6 | 3.0 | 3.4 | 23.7 | 26.4 | 29.1 | 3.68 | 4.10 | 4.51 |
| 36 | 2.7 | 3.1 | 3.5 | 24.6 | 27.3 | 30.0 | 3.76 | 4.19 | 4.61 |
| 37 | 2.8 | 3.2 | 3.6 | 25.5 | 28.2 | 30.9 | 3.84 | 4.28 | 4.72 |
| 38 | 2.9 | 3.3 | 3.7 | 26.4 | 29.1 | 31.9 | 3.91 | 4.37 | 4.82 |
| 39 | 3.0 | 3.4 | 3.8 | 27.3 | 30.0 | 32.8 | 3.98 | 4.45 | 4.92 |
| 40 | 3.1 | 3.5 | 3.9 | 28.2 | 30.9 | 33.7 | 4.05 | 4.53 | 5.01 |

All measurements in cm. Scapula data adapted from: Shere DM, Plessinger MA, Allen TA. Fetal scapular length in the ultrasound assessment of gestational age. *J Ultrasound Med* 13:523-28, 1994. Thoracic circumference data adapted from: Chitkara et al: *AM J Ob Gyn* 156:1069, 1072, 1987. Clavicle length data adapted from: Sherer DM et al: Fetal clavicle length throughout gestation: a nomogram. *Ultrasound Obstet Gynecol.* 27(3):306-10, 2006.