**Table 1 – Pelvic limb bone dimensions data**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Age Group** | **Bird Number** | **Total leg length** | **Bone lengths (% total leg length)** | | |
| **(days)** |  | **(cm)** | **Femur** | **Tibia** | **Tarsometatarsus** |
| 1 | 1 | 6.9 | 30.4 | 40.6 | 29.0 |
| 1 | 2 | 7.1 | 29.6 | 42.3 | 28.2 |
| 1 | 3 | 6.8 | 29.4 | 45.6 | 25.0 |
| 1 | 4 | 7.5 | 30.7 | 40.0 | 29.3 |
| 1 | 5 | 7.7 | 29.9 | 42.9 | 27.3 |
| 1 | 6 | 7.9 | 30.4 | 41.8 | 27.9 |
| 1 | 7 | 7.9 | 30.4 | 40.5 | 29.1 |
| 1 | 8 | 7.7 | 31.2 | 41.6 | 27.3 |
| 1 | 9 | 8.1 | 30.9 | 39.5 | 29.6 |
| 1 | 10 | 7.6 | 31.6 | 40.8 | 27.6 |
| 14 | 1 | 15.1 | 29.1 | 41.7 | 29.1 |
| 14 | 2 | 16.5 | 27.9 | 43.0 | 29.1 |
| 14 | 3 | 15.7 | 29.3 | 42.0 | 28.7 |
| 14 | 4 | 15.5 | 27.8 | 42.4 | 29.8 |
| 14 | 5 | 15.8 | 28.5 | 41.8 | 29.8 |
| 14 | 6 | 15.4 | 29.2 | 40.9 | 29.9 |
| 14 | 7 | 16.4 | 29.3 | 41.5 | 29.3 |
| 14 | 8 | 15.3 | 29.4 | 40.5 | 30.1 |
| 14 | 9 | 15.2 | 29.0 | 41.5 | 29.6 |
| 14 | 10 | 14.3 | 31.5 | 39.9 | 28.7 |
| 14 | 11 | 14.8 | 31.1 | 40.5 | 28.4 |
| 14 | 12 | 14.6 | 29.5 | 40.4 | 30.1 |
| 14 | 13 | 13.3 | 30.8 | 40.6 | 28.6 |
| 14 | 14 | 13.5 | 30.4 | 40.7 | 28.9 |
| 14 | 15 | 13.9 | 30.2 | 40.3 | 29.5 |
| 14 | 16 | 14.0 | 31.4 | 37.9 | 30.7 |
| 14 | 17 | 13.8 | 31.2 | 39.9 | 29.0 |
| 14 | 18 | 15.3 | 30.1 | 40.5 | 29.4 |
| 14 | 19 | 14.2 | 32.4 | 41.6 | 26.1 |
| 28 | 1 | 19.8 | 27.6 | 41.52 | 30.9 |
| 28 | 2 | 21.6 | 28.7 | 40.28 | 31.0 |
| 28 | 3 | 21.4 | 28.0 | 42.06 | 29.9 |
| 28 | 4 | 20.9 | 29.5 | 41.73 | 28.8 |
| 28 | 5 | 19.8 | 29.3 | 41.41 | 29.9 |
| 28 | 6 | 20.4 | 28.5 | 41.03 | 30.5 |
| 28 | 7 | 21.5 | 28.8 | 40.93 | 30.2 |
| 28 | 8 | 20.9 | 29.2 | 40.67 | 30.1 |
| 28 | 9 | 19.3 | 28.5 | 41.45 | 30.1 |
| 28 | 10 | 23.1 | 28.1 | 39.83 | 32.0 |

**Table 1 cont.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Age Group** | **Bird Number** | **Total leg length** | **Bone lengths (% total leg length)** | | |
| **(days)** |  | **(cm)** | **Femur** | **Tibia** | **Tarsometatarsus** |
| 28 | 11 | 20.4 | 29.4 | 41.6 | 28.9 |
| 28 | 12 | 21.0 | 29.0 | 41.4 | 29.5 |
| 28 | 13 | 23.2 | 31.0 | 40.9 | 28.0 |
| 28 | 14 | 21.6 | 31.0 | 36.5 | 32.4 |
| 28 | 15 | 22.1 | 28.9 | 40.7 | 30.3 |
| 28 | 16 | 24.8 | 30.6 | 38.3 | 31.0 |
| 28 | 17 | 22.1 | 31.2 | 37.5 | 31.2 |
| 28 | 18 | 21.0 | 30.4 | 40.0 | 29.5 |
| 28 | 19 | 22.1 | 29.4 | 39.8 | 30.7 |
| 42 | 1 | 28.3 | 29.3 | 41.7 | 28.9 |
| 42 | 2 | 28.0 | 27.9 | 43.1 | 28.9 |
| 42 | 3 | 27.8 | 29.5 | 41.3 | 29.1 |
| 42 | 4 | 28.9 | 28.7 | 41.8 | 29.4 |
| 42 | 5 | 29.7 | 28.9 | 42.4 | 28.6 |
| 42 | 6 | 28.5 | 29.4 | 42.4 | 28.0 |
| 42 | 7 | 29.2 | 29.4 | 41.9 | 28.6 |
| 42 | 8 | 27.8 | 26.6 | 43.8 | 29.5 |
| 42 | 9 | 29.1 | 27.5 | 43.3 | 29.0 |
| 42 | 10 | 28.8 | 28.8 | 42.0 | 29.1 |
| 42 | 11 | 28.5 | 28.1 | 42.8 | 29.0 |
| 42 | 12 | 25.5 | 28.2 | 43.1 | 28.6 |
| 42 | 13 | 24.2 | 31.8 | 39.2 | 28.9 |
| 42 | 14 | 23.5 | 29.7 | 42.5 | 27.6 |
| 42 | 15 | 25.0 | 29.2 | 42.8 | 28.0 |
| 42 | 16 | 23.7 | 29.9 | 38.8 | 31.2 |
| 42 | 17 | 23.2 | 30.1 | 39.6 | 30.1 |
| 42 | 18 | 27.1 | 28.4 | 42.4 | 29.1 |
| 42 | 19 | 24.9 | 28.9 | 42.1 | 28.9 |

**Table 2 -** **Pelvic limb segment inertial properties data**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Age Group | Segment | Bird Number | Segment Mass | CoM Position | Radius of gyration  (% segment length) | | |
| (days) |  |  | (% body mass) | (% segment length) | x | y | z |
| 14 | Trunk | 1 | 85.37 | 16.41 | 23.5 | 40.8 | 37.6 |
| 14 | Trunk | 2 | 83.50 | 17.69 | 24.1 | 41.4 | 37.9 |
| 14 | Trunk | 3 | 82.16 | 22.45 | 21.7 | 40.8 | 38.7 |
| 14 | Trunk | 4 | 77.09 | 21.09 | 24.2 | 41.5 | 36.6 |
| 14 | Trunk | 5 | 80.21 | 19.73 | 22.7 | 40.9 | 38.2 |
| 14 | Thigh | 1 | 4.68 | 43.05 | 39.2 | 46.3 | 46.4 |
| 14 | Thigh | 2 | 3.01 | 44.78 | 41.0 | 31.1 | 33.2 |
| 14 | Thigh | 3 | 6.48 | 48.77 |  | 46.8 | 39.5 |
| 14 | Thigh | 4 | 6.50 | 37.03 | 57.0 | 50.0 | 61.6 |
| 14 | Thigh | 5 | 5.28 | 44.64 | 51.5 | 46.2 | 67.5 |
| 14 | Drumstick | 1 | 3.92 | 36.70 | 44.8 | 47.7 | 59.6 |
| 14 | Drumstick | 2 | 3.59 | 4.54 | 59.9 | 61.4 | 27.7 |
| 14 | Drumstick | 3 | 4.32 | 35.53 | 48.7 | 51.0 | 27.1 |
| 14 | Drumstick | 4 | 3.76 | 37.37 | 47.1 | 49.2 | 22.9 |
| 14 | Drumstick | 5 | 3.67 | 36.09 | 44.7 | 46.0 | 21.0 |
| 14 | Shank | 1 | 0.91 | 17.91 | 52.3 | 52.5 | 17.9 |
| 14 | Shank | 2 | 0.92 | 43.51 | 49.7 | 49.9 | 18.2 |
| 14 | Shank | 3 | 1.07 | 40.15 | 51.2 | 51.3 | 18.2 |
| 14 | Shank | 4 | 0.92 | 38.01 | 50.0 | 50.2 | 18.2 |
| 14 | Shank | 5 | 1.07 | 41.03 | 49.6 | 50.0 | 17.7 |
| 14 | Foot | 1 | 0.63 | 35.07 | 33.0 | 34.4 | 21.9 |
| 14 | Foot | 2 | 0.62 | 39.48 | 35.3 | 33.7 | 21.7 |
| 14 | Foot | 3 | 0.68 | 45.23 | 35.0 | 33.7 | 23.5 |
| 14 | Foot | 4 | 0.62 | 34.44 | 34.4 | 37.2 | 25.0 |
| 14 | Foot | 5 | 0.60 | 38.87 | 33.9 | 37.2 | 24.2 |
| 28 | Trunk | 1 | 80.08 | 15.72 | 24.1 | 38.1 | 36.1 |
| 28 | Trunk | 2 | 78.40 | 25.96 | 24.3 | 38.5 | 34.6 |
| 28 | Trunk | 3 | 75.22 | 18.56 | 22.6 | 41.6 | 39.2 |
| 28 | Trunk | 4 | 78.83 | 22.91 | 23.3 | 40.1 | 37.2 |
| 28 | Trunk | 5 | 77.39 | 17.11 | 25.8 | 41.7 | 38.2 |
| 28 | Thigh | 1 | 5.63 | 37.23 | 53.2 | 40.4 | 60.2 |
| 28 | Thigh | 2 | 4.53 | 40.17 | 39.2 | 33.8 | 45.1 |
| 28 | Thigh | 3 | 5.49 | 36.38 | 48.6 | 45.5 | 61.4 |
| 28 | Thigh | 4 | 5.15 | 40.41 | 45.7 | 41.1 | 52.4 |
| 28 | Thigh | 5 | 5.30 | 36.45 | 54.7 | 42.0 | 41.5 |
| 28 | Drumstick | 1 | 4.26 | 31.40 | 36.7 | 39.0 | 22.3 |
| 28 | Drumstick | 2 | 4.23 | 34.44 | 45.4 | 47.9 | 23.3 |
| 28 | Drumstick | 3 | 4.25 | 35.87 | 44.6 | 46.0 | 22.6 |
| 28 | Drumstick | 4 | 5.15 | 30.73 | 33.0 | 38.0 | 29.7 |
| 28 | Drumstick | 5 | 5.30 | 30.99 | 39.6 | 30.0 | 30.3 |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Age Group | Segment | Bird Number | Segment Mass | CoM Position | Radius of gyration  (% segment length) | | |
| (days) |  |  | (% body mass) | (% segment length) | x | y | z |
| 28 | Shank | 1 | 0.84 | 20.26 | 48.8 | 49.1 | 16.2 |
| 28 | Shank | 2 | 1.17 | 19.56 | 46.7 | 47.0 | 17.0 |
| 28 | Shank | 3 | 1.01 | 19.69 | 50.0 | 50.2 | 16.8 |
| 28 | Shank | 4 | 0.99 | 19.58 | 53.0 | 53.9 | 19.2 |
| 28 | Shank | 5 | 1.08 | 7.42 | 50.4 | 50.7 | 16.5 |
| 28 | Foot | 1 | 0.54 | 22.75 | 28.0 | 19.0 | 28.9 |
| 28 | Foot | 2 | 0.71 | 30.21 | 29.6 | 17.0 | 28.8 |
| 28 | Foot | 3 | 0.66 | 22.99 | 30.7 | 17.3 | 30.3 |
| 28 | Foot | 4 | 0.56 | 40.39 | 33.6 | 32.1 | 20.1 |
| 28 | Foot | 5 | 0.59 | 25.87 | 32.8 | 20.2 | 31.7 |
| 42 | Trunk | 1 | 75.72 | 15.33 | 47.4 | 35.5 | 37.7 |
| 42 | Trunk | 2 | 75.09 | 13.20 | 44.9 | 35.6 | 35.8 |
| 42 | Trunk | 3 | 74.82 | 13.53 | 25.5 | 38.8 | 33.8 |
| 42 | Trunk | 4 | 71.63 | 14.63 | 22.9 |  | 33.1 |
| 42 | Trunk | 5 | 75.59 | 19.80 | 25.2 | 38.2 | 34.2 |
| 42 | Thigh | 1 | 8.22 | 29.44 | 39.3 | 43.3 | 54.0 |
| 42 | Thigh | 2 | 7.55 | 26.65 | 57.7 | 48.4 | 60.2 |
| 42 | Thigh | 3 | 7.80 | 30.45 | 42.1 | 37.0 | 42.4 |
| 42 | Thigh | 4 | 9.95 | 25.74 | 45.4 | 40.0 | 48.1 |
| 42 | Thigh | 5 | 7.51 | 31.25 | 46.2 | 43.6 | 56.7 |
| 42 | Drumstick | 1 | 5.51 | 28.85 | 38.7 | 40.0 | 22.6 |
| 42 | Drumstick | 2 | 5.55 | 26.85 | 46.2 | 44.3 | 37.2 |
| 42 | Drumstick | 3 | 5.57 | 20.44 | 33.1 | 33.7 | 17.3 |
| 42 | Drumstick | 4 | 5.82 | 25.59 | 38.4 | 39.9 | 23.6 |
| 42 | Drumstick | 5 | 5.86 | 19.05 | 13.3 | 13.4 | 4.9 |
| 42 | Shank | 1 | 1.13 | 22.04 | 35.7 | 36.0 | 13.3 |
| 42 | Shank | 2 | 1.13 | 26.81 | 43.2 | 38.8 | 15.7 |
| 42 | Shank | 3 | 1.10 | 26.43 | 32.6 | 32.8 | 12.5 |
| 42 | Shank | 4 | 1.54 | 11.89 | 38.2 | 38.5 | 14.4 |
| 42 | Shank | 5 | 1.23 | 25.57 | 40.2 | 39.5 | 60.2 |
| 42 | Foot | 1 | 0.91 | 46.84 | 36.2 | 33.1 | 20.9 |
| 42 | Foot | 2 | 0.74 | 51.51 | 67.2 | 25.6 | 67.7 |
| 42 | Foot | 3 | 1.10 | 44.90 | 29.9 | 32.4 | 23.3 |
| 42 | Foot | 4 | 0.89 | 67.53 | 33.0 | 32.8 | 19.1 |
| 42 | Foot | 5 | 0.92 | 48.47 | 26.9 | 25.6 | 17.3 |

**Table 2 cont.**

**Table 3 – Whole Body Centre of Mass Position Data**

|  |  |  |  |
| --- | --- | --- | --- |
| Age Group | Bird Number | Centre of mass position  (% femur length) | |
| (days) |  | Cranial – caudal | Dorsal-ventral |
| 14 | 1 | 88.6 | 73.4 |
| 14 | 2 | 92.2 | 81.6 |
| 14 | 3 | 103.3 | 106.1 |
| 14 | 4 | 74.1 | 98.7 |
| 14 | 5 | 94.9 | 89.3 |
| 28 | 1 | 72.3 | 17.5 |
| 28 | 2 | 66.3 | 74.3 |
| 28 | 3 | 66.3 | 44.9 |
| 28 | 4 | 74.4 | 65.9 |
| 28 | 5 | 62.2 | 36.5 |
| 42 | 1 | 78.0 | 7.4 |
| 42 | 2 | 97.2 | 11.0 |
| 42 | 3 | 70.6 | 27.7 |
| 42 | 4 | 68.7 | 42.9 |
| 42 | 5 | 68.4 | 52.1 |

**Table 4 – Bone Scaling**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Age Group | Bird Number | Body Mass | Femur | Tibia | TMT |
| (days) |  | (kg) | (cm) | (cm) | (cm) |
| 1 | 1 | 0.044 | 2.1 | 2.8 | 2.0 |
| 1 | 2 | 0.045 | 2.1 | 3.0 | 2.0 |
| 1 | 3 | 0.041 | 2.0 | 3.1 | 1.7 |
| 1 | 4 | 0.038 | 2.3 | 3.0 | 2.2 |
| 1 | 5 | 0.043 | 2.3 | 3.3 | 2.1 |
| 1 | 6 | 0.048 | 2.4 | 3.3 | 2.2 |
| 1 | 7 | 0.041 | 2.4 | 3.2 | 2.3 |
| 1 | 8 | 0.048 | 2.4 | 3.2 | 2.1 |
| 1 | 9 | 0.045 | 2.5 | 3.2 | 2.4 |
| 1 | 10 | 0.045 | 2.4 | 3.1 | 2.1 |
| 14 | 1 | 0.620 | 4.4 | 6.3 | 4.4 |
| 14 | 2 | 0.700 | 4.6 | 7.1 | 4.8 |
| 14 | 3 | 0.660 | 4.6 | 6.6 | 4.5 |
| 14 | 4 | 0.540 | 4.3 | 6.6 | 4.6 |
| 14 | 6 | 0.600 | 4.5 | 6.6 | 4.7 |
| 14 | 7 | 0.540 | 4.5 | 6.3 | 4.6 |
| 14 | 8 | 0.580 | 4.8 | 6.8 | 4.8 |
| 14 | 9 | 0.560 | 4.5 | 6.2 | 4.6 |
| 14 | 10 | 0.480 | 4.4 | 6.3 | 4.5 |
| 14 | 11 | 0.440 | 4.5 | 5.7 | 4.1 |
| 14 | 12 | 0.451 | 4.6 | 6.0 | 4.2 |
| 14 | 13 | 0.394 | 4.3 | 5.9 | 4.4 |
| 14 | 14 | 0.434 | 4.1 | 5.4 | 3.8 |
| 14 | 15 | 0.436 | 4.1 | 5.5 | 3.9 |
| 14 | 16 | 0.441 | 4.2 | 5.6 | 4.1 |
| 14 | 17 | 0.382 | 4.4 | 5.3 | 4.3 |
| 14 | 18 | 0.446 | 4.3 | 5.5 | 4.0 |
| 14 | 19 | 0.424 | 4.6 | 6.2 | 4.5 |
| 14 | 20 | 0.459 | 4.6 | 5.9 | 3.7 |
| 28 | 1 | 1.320 | 5.5 | 8.2 | 6.1 |
| 28 | 2 | 1.420 | 6.2 | 8.7 | 6.7 |
| 28 | 3 | 1.380 | 6.0 | 9.0 | 6.4 |
| 28 | 4 | 1.580 | 6.2 | 8.7 | 6.0 |
| 28 | 5 | 1.300 | 5.8 | 8.2 | 5.8 |
| 28 | 6 | 1.460 | 5.8 | 8.4 | 6.2 |
| 28 | 7 | 1.500 | 6.2 | 8.8 | 6.5 |
| 28 | 8 | 1.380 | 6.1 | 8.5 | 6.3 |
| 28 | 9 | 1.340 | 5.5 | 8.0 | 5.8 |
| 28 | 10 | 1.425 | 6.5 | 9.2 | 7.4 |

**Table 4 cont.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Age Group | Bird Number | Body Mass | Femur | Tibia | TMT |
| (days) |  | (kg) | (cm) | (cm) | (cm) |
| 28 | 11 | 1.468 | 6.0 | 8.5 | 5.9 |
| 28 | 12 | 1.559 | 6.1 | 8.7 | 6.2 |
| 28 | 13 | 1.717 | 7.2 | 9.5 | 6.5 |
| 28 | 14 | 1.545 | 6.7 | 7.9 | 7.0 |
| 28 | 15 | 1.671 | 6.4 | 9.0 | 6.7 |
| 28 | 16 | 2.023 | 7.6 | 9.5 | 7.7 |
| 28 | 17 | 1.594 | 6.9 | 8.3 | 6.9 |
| 28 | 18 | 1.798 | 6.4 | 8.4 | 6.2 |
| 28 | 19 | 1.606 | 6.5 | 8.8 | 6.8 |
| 42 | 1 | 3.254 | 8.3 | 11.8 | 8.2 |
| 42 | 2 | 3.250 | 7.8 | 12.1 | 8.1 |
| 42 | 3 | 3.250 | 8.2 | 11.5 | 8.1 |
| 42 | 4 | 3.358 | 8.3 | 12.1 | 8.5 |
| 42 | 5 | 3.200 | 8.6 | 12.6 | 8.5 |
| 42 | 6 | 3.496 | 8.4 | 12.1 | 8.0 |
| 42 | 7 | 3.152 | 8.6 | 12.3 | 8.35 |
| 42 | 8 | 3.686 | 7.4 | 12.2 | 8.2 |
| 42 | 9 | 3.475 | 8.0 | 12.6 | 8.45 |
| 42 | 10 | 3.222 | 8.3 | 12.1 | 8.4 |
| 42 | 11 | 3.178 | 8.0 | 12.2 | 8.25 |
| 42 | 12 | 2.786 | 7.2 | 11.0 | 7.3 |
| 42 | 13 | 2.917 | 7.7 | 9.5 | 7.0 |
| 42 | 14 | 2.529 | 7.0 | 10.0 | 6.5 |
| 42 | 15 | 2.474 | 7.3 | 10.7 | 7.0 |
| 42 | 16 | 2.414 | 7.1 | 9.2 | 7.4 |
| 42 | 17 | 2.209 | 7.0 | 9.2 | 7.0 |
| 42 | 18 | 2.470 | 7.7 | 11.5 | 7.9 |
| 42 | 19 | 2.155 | 7.2 | 10.5 | 7.2 |

**Table 5 - Muscle Architecture Data (Mean ± SD)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Age (days)** | **Muscle** | ***M*m (g)** | ***M*L (mm)** | ***F*L (mm)** | **Angle (°)** | **PCSA (mm2)** |
| **1** | *M. iliotibialis cranialis* (IC) | 0.15 ± 0.06 | 27.60 ± 4.09 | 23.24 ± 4.14 | - | 5.91 ± 2.58 |
| *M. iliotibialis lateralis* (IL) | 0.24 ± 0.05 | 28.90 ± 2.18 | 16.71 ± 3.78 | - | 14.16 ± 5.49 |
| *M. gastrocnemius pars lateralis* (GL) | 0.10 ± 0.01 | 21.50 ± 3.21 | 7.72 ± 2.03 | 26.91 ± 3.34 | 12.73 ± 3.66 |
| *M. gastrocnemius pars medialis* (GM) | 0.21 ± 0.05 | 25.80 ± 2.70 | 13.58 ± 2.72 | 25.98 ± 5.10 | 12.56 ± 3.88 |
| *M. fibularis longus* (FL) | 0.09 ± 0.02 | 21.40 ± 2.17 | 9.23 ± 3.08 | 26.74 ± 3.76 | 8.66 ± 3.47 |
| *M. iliotrochantericus caudalis* (ITC) | 0.10 ± 0.02 | 13.20 ± 1.69 | 6.36 ± 2.13 | 34.32 ± 4.06 | 15.29 ± 3.25 |
| *M. femorotibialis* (FMT) | 0.20 ± 0.04 | 18.89 ± 3.41 | 10.87 ± 2.30 | 27.75 | 22.07 |
| *M. iliofibularis* (ILFB) | 0.12 ± 0.02 | 22.50 ± 3.63 | 18.78 ± 2.18 | - | 6.03 ± 1.38 |
| *M. flexor cruris lateralis pelvica* (FCLP) | 0.10 ± 0.03 | 29.40 ± 2.50 | 22.34 ± 3.28 | - | 4.16 ± 0.78 |
| *M. flexor cruris* *medialis* (FCM) | 0.05 ± 0.04 | 18.00 ± 2.92 | 15.13 ± 2.36 | - | 2.17 ± 0.60 |
| *M. caudofemoralis pars caudalis* (CFC) | 0.01 ± 0.01 | 21.50 ± 2.56 | 16.53 ± 3.37 | - | 0.38 ± 0.28 |
| *M. tibialis cranialis caput femorale* (TCF) | 0.11 ± 0.03 | 21.80 ± 3.05 | 13.47 ± 1.84 | 20.60 | 7.40 |
| *M. puboischiofemoralis pars medialis* (PIFM) | 0.07 ± 0.03 | 16.00 ± 1.58 | 12.29 ± 1.84 | - | 5.43 ± 1.67 |
| *M. puboischiofemoralis pars lateralis* (PIFL) | 0.06 ± 0.02 | 17.89 ± 2.26 | 14.62 ± 2.36 | - | 3.72 ± 1.42 |

**Table 5 cont.**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Age (days)** | **Muscle** | ***M*m (g)** | ***M*L (mm)** | ***F*L (mm)** | **Angle (°)** | **PCSA (mm2)** |
| **13** | *M. iliotibialis cranialis* (IC) | 1.16 ± 0.26 | 54.10 ± 2.13 | 47.22 ± 2.90 | - | 23.32 ± 6.32 |
| *M. iliotibialis lateralis* (IL) | 3.14 ± 0.54 | 65.90 ± 2.73 | 42.80 ± 5.69 | - | 69.96 ± 12.42 |
| *M. gastrocnemius pars lateralis* (GL) | 1.35 ± 1.35 | 43.70 ± 3.37 | 13.38 ± 1.93 | 28.64 ± 3.50 | 83.70 ± 10.71 |
| *M. gastrocnemius pars medialis* (GM) | 2.37 ± 0.37 | 56.10 ± 6.08 | 22.78 ± 2.86 | 26.88 ± 4.07 | 88.61 ± 18.91 |
| *M. fibularis longus* (FL) | 1.21 ± 0.28 | 45.40 ± 5.10 | 12.84 ± 2.76 | 26.16 ± 3.37 | 81.99 ± 22.91 |
| *M. iliotrochantericus caudalis* (ITC) | 1.35 ± 0.24 | 25.30 ± 1.49 | 11.74 ± 1.89 | 34.12 ± 3.76 | 91.28 ± 20.49 |
| *M. femorotibialis* (FMT) | 2.00 ± 0.25 | 36.20 ± 4.16 | 21.08 ± 4.84 | 34.67 ± 3.26 | 107.21 ± 21.78 |
| *M. iliofibularis* (ILFB) | 1.36 ± 0.23 | 46.40 ± 2.55 | 39.50 ± 3.61 | - | 32.73 ± 6.39 |
| *M. flexor cruris lateralis pelvica* (FCLP) | 1.58 ± 0.31 | 72.30 ± 12.10 | 47.83 ± 8.71 | - | 31.96 ± 8.62 |
| *M. flexor cruris* *medialis* (FCM) | 0.40 ± 0.09 | 37.10 ± 3.73 | 32.71 ± 2.80 | - | 11.50 ± 2.13 |
| *M. caudofemoralis pars caudalis* (CFC) | 0.14 ± 0.06 | 50.78 ± 11.40 | 39.83 ± 10.61 | - | 3.17 ± 1.45 |
| *M. tibialis cranialis caput femorale* (TCF) | 1.07 ± 0.25 | 40.70 ± 4.57 | 24.52 ± 3.68 | 26.55 ± 6.34 | 43.53 ± 16.39 |
| *M. puboischiofemoralis pars medialis* (PIFM) | 0.63 ± 0.17 | 37.40 ± 5.64 | 24.88 ± 3.62 | - | 24.00 ± 6.65 |
| *M. puboischiofemoralis pars lateralis* (PIFL) | 0.55 ± 0.17 | 34.20 ± 4.13 | 29.06 ± 4.79 | - | 17.93 ± 4.81 |

**Table 5 cont.**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Age (days)** | **Muscle** | ***M*m (g)** | ***M*L (mm)** | ***F*L (mm)** | **Angle (°)** | **PCSA (mm2)** |
| ***29*** | *M. iliotibialis cranialis (IC)* | *4.06 ± 1.03* | *82.80 ± 4.49* | *65.60 ± 15.59* | *-* | *58.95 ± 8.41* |
| *M. iliotibialis lateralis (IL)* | *12.68 ± 1.07* | *88.92 ± 19.40* | *63.16 ± 9.41* | *-* | *192.07 ± 27.27* |
| *M. gastrocnemius pars lateralis (GL)* | *5.56 ± 0.80* | *61.20 ± 6.46* | *29.44 ± 3.04* | *32.76 ± 5.42* | *233.54 ± 64.04* |
| *M. gastrocnemius pars medialis (GM)* | *9.21 ± 1.88* | *84.60 ± 9.69* | *26.48 ± 2.36* | *28.64 ± 3.76* | *292.38 ± 84.79* |
| *M. fibularis longus (FL)* | *4.38 ± 0.89* | *64.20 ± 2.39* | *22.60 ± 7.47* | *26.16 ± 4.99* | *179.83 ± 80.41* |
| *M. iliotrochantericus caudalis (ITC)* | *5.37 ± 1.25* | *39.60 ± 2.07* | *17.32 ± 1.11* | *34.36 ± 3.20* | *241.51 ± 56.89* |
| *M. femorotibialis (FMT)* | *8.00 ± 1.97* | *53.60 ± 7.89* | *30.64 ± 9.95* | *-* | *-* |
| *M. iliofibularis (ILFB)* | *5.85 ± 1.04* | *68.60 ± 2.97* | *55.60 ± 5.13* | *-* | *99.32 ± 16.04* |
| *M. flexor cruris lateralis pelvica (FCLP)* | *8.10 ± 1.71* | *107.60 ± 12.50* | *72.12 ± 6.75* | *-* | *106.97 ± 24.55* |
| *M. flexor cruris medialis (FCM)* | *1.70 ± 0.36* | *54.20 ± 3.96* | *45.48 ± 4.20* | *-* | *35.35 ± 7.28* |
| *M. caudofemoralis pars caudalis (CFC)* | *0.54 ± 0.13* | *64.00 ± 4.95* | *55.48 ± 3.74* | *-* | *9.16 ± 1.75* |
| *M. tibialis cranialis caput femorale (TCF)* | *3.94 ± 1.37* | *68.60 ± 7.80* | *36.31 ± 13.22* |  | *101.38 ± 33.35* |
| *M. puboischiofemoralis pars medialis (PIFM)* | *2.99 ± 0.58* | *52.80 ± 3.70* | *31.32 ± 8.30* | *-* | *92.11 ± 15.78* |
| *M. puboischiofemoralis pars lateralis (PIFL)* | *1.80 ± 0.19* | *42.40 ± 4.04* | *40.60 ± 6.43* | *-* | *42.29 ± 3.24* |

**Table 5 cont.**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Age (days)** | **Muscle** | ***M*m (g)** | ***M*L (mm)** | ***F*L (mm)** | **Angle (°)** | **PCSA (mm2)** |
| **32** | *M. iliotibialis cranialis* (IC) | 5.68 ± 0.28 | 90.20 ± 9.34 | 80.96 ± 9.17 | - | 66.91 ± 9.50 |
| *M. iliotibialis lateralis* (IL) | 15.19 ± 2.23 | 98.00 ± 2.35 | 70.84 ± 7.36 | - | 203.12 ± 30.71 |
| *M. gastrocnemius pars lateralis* (GL) | 6.22 ± 0.68 | 61.60 ± 2.30 | 20.04 ± 3.56 | 31.32 ± 3.25 | 253.04 ± 31.48 |
| *M. gastrocnemius pars medialis* (GM) | 11.70 ± 1.32 | 88.00 ± 7.04 | 26.60 ± 3.23 | 25.84 ± 4.27 | 374.07 ± 37.57 |
| *M. fibularis longus* (FL) | 6.13 ± 0.87 | 66.80 ± 4.15 | 13.76 ± 2.24 | 27.44 ± 5.23 | 375.34 ± 47.36 |
| *M. iliotrochantericus caudalis* (ITC) | 5.19 ± 0.56 | 35.20 ± 2.59 | 80.96 ± 1.53 | 35.20 ± 2.48 | 245.64 ± 21.76 |
| *M. femorotibialis* (FMT) | 6.91 ± 2.16 | 54.20 ± 5.67 | 31.24 ± 7.35 | - | - |
| *M. iliofibularis* (ILFB) | 7.21 ± 0.92 | 65.80 ± 8.61 | 58.28 ± 7.04 | - | 117.06 ± 11.21 |
| *M. flexor cruris lateralis pelvica* (FCLP) | 9.51 ± 1.68 | 109.00 ± 11.40 | 74.64 ± 12.94 | - | 123.35 ± 29.98 |
| *M. flexor cruris* medialis (FCM) | 1.74 ± 0.39 | 54.60 ± 10.30 | 49.24 ± 7.65 | - | 33.30 ± 5.39 |
| *M. caudofemoralis pars caudalis* (CFC) | 0.64 ± 0.14 | 76.60 ± 9.21 | 62.16 ± 11.87 | - | 9.75 ± 1.49 |
| *M. tibialis cranialis caput femorale* (TCF) | 4.90 ± 0.91 | 69.20 ± 7.60 | 43.63 ± 12.83 | 24.50 | 155.23 |
| *M. puboischiofemoralis pars medialis* (PIFM) | 3.20 ± 0.38 | 54.20 ± 1.92 | 40.12 ± 3.99 | - | 75.66 ± 10.35 |
| *M. puboischiofemoralis pars lateralis* (PIFL) | 2.34 ± 0.38 | 50.80 ± 1.79 | 44.32 ± 2.21 | - | 49.77 ± 7.89 |

**Table 5 cont.**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Age (days)** | **Muscle** | ***M*m (g)** | ***M*L (mm)** | ***F*L (mm)** | **Angle (°)** | **PCSA (mm2)** |
| **40** | *M. iliotibialis cranialis* (IC) | 8.60 ± 1.61 | 108.57 ± 12.10 | 89.57 ± 7.23 | - | 90.55 ± 15.41 |
| *M. iliotibialis lateralis* (IL) | 22.57 ± 2.74 | 114.57 ± 9.43 | 76.69 ± 7.67 | - | 280.02 ± 44.31 |
| *M. gastrocnemius pars lateralis* (GL) | 9.76 ± 1.48 | 76.86 ± 6.62 | 25.03 ± 2.59 | 33.37 ± 4.20 | 309.46 ± 57.84 |
| *M. gastrocnemius pars medialis* (GM) | 16.91 ± 2.25 | 102.29 ± 11.80 | 32.11 ± 5.08 | 29.11 ± 4.84 | 437.34 ± 57.38 |
| *M. fibularis longus* (FL) | 9.51 ± 1.44 | 88.57 ± 12.60 | 18.03 ± 6.94 | 27.74 ± 4.19 | 484.71 ± 154.77 |
| *M. iliotrochantericus caudalis* (ITC) | 7.28 ± 1.14 | 42.57 ± 2.44 | 21.66 ± 2.97 | 35.29 ± 7.17 | 257.30 ± 29.78 |
| *M. femorotibialis* (FMT) | 12.73 ± 2.03 | 64.14 ± 9.41 | 34.11 ± 11.24 | 17.62 ± 16.89 | 380.34 ± 47.21 |
| *M. iliofibularis* (ILFB) | 10.10 ± 1.26 | 75.14 ± 6.09 | 61.57 ± 4.42 | - | 156.06 ± 27.12 |
| *M. flexor cruris lateralis pelvica* (FCLP) | 14.42 ± 0.92 | 125.00 ± 6.56 | 81.89 ± 15.90 | - | 171.16 ± 33.35 |
| *M. flexor cruris* medialis (FCM) | 3.30 ± 0.25 | 65.00 ± 11.70 | 53.80 ± 8.57 | - | 58.50 ± 5.30 |
| *M. caudofemoralis pars caudalis* (CFC) | 0.99 ± 0.23 | 85.00 ± 5.42 | 68.04 ± 6.10 | - | 13.66 ± 2.82 |
| *M. tibialis cranialis caput femorale* (TCF) | 7.56 ± 1.72 | 82.00 ± 10.60 | 35.31 ± 13.18 | 27.57 ± 5.05 | 205.71 ± 65.62 |
| *M. puboischiofemoralis pars medialis* (PIFM) | 4.82 ± 1.03 | 62.57 ± 7.87 | 45.14 ± 6.76 | - | 102.84 ± 27.33 |
| *M. puboischiofemoralis pars lateralis* (PIFL) | 3.58 ± 0.61 | 55.71 ± 5.44 | 48.54 ± 7.88 | - | 71.73 ± 19.38 |