#### **Total body volume estimations between repeated scans**

##### Table A-6: The total body volume (cm3) from 3 repeated scans (A, B, and C) estimated using the proposed 3D scanning approach for both males and females. The within-participant standard deviation (SD) and coefficients of variations (CV) are shown. We found no statistical differences for the total volume of repeated scans for both males (p =0.12) and females (p=0.22).

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Male (n=10)** | | | | |  | **Female (n=11)** | | | | |
| Participant | Scan A  (cm2) | Scan B (cm2) | Scan C (cm2) | SD (cm2) | CV(%) |  | Scan A (cm2) | Scan B (cm2) | Scan C (cm2) | SD (cm2) | CV(%) |
| 1 | 741.8 | 707.6 | 710.8 | 18.9 | 2.6 |  | 829.2 | 825.0 | 815.6 | 7.0 | 0.8 |
| 2 | 759.3 | 732.8 | 750.2 | 13.5 | 1.8 |  | 840.1 | 826.0 | 819.9 | 10.4 | 1.3 |
| 3 | 835.2 | 837.1 | 776.1 | 34.7 | 4.3 |  | 652.9 | 665.5 | 682.0 | 14.6 | 2.2 |
| 4 | 713.5 | 726.7 | 740.9 | 13.7 | 1.9 |  | 728.8 | 697.0 | 715.5 | 15.9 | 2.2 |
| 5 | 722.9 | 712.5 | 703.4 | 9.8 | 1.4 |  | 806.8 | 801.1 | 806.6 | 3.3 | 0.4 |
| 6 | 770.6 | 747.4 | 746.7 | 13.6 | 1.8 |  | 729.0 | 720.7 | 714.7 | 7.2 | 1.0 |
| 7 | 802.1 | 807.3 | 781.2 | 13.8 | 1.7 |  | 637.2 | 626.2 | 611.9 | 12.7 | 2.0 |
| 8 | 726.6 | 708.1 | 721.8 | 9.6 | 1.3 |  | 727.1 | 734.8 | 765.2 | 20.1 | 2.7 |
| 9 | 785.2 | 776.1 | 785.8 | 5.4 | 0.7 |  | 857.2 | 825.3 | 820.9 | 19.8 | 2.4 |
| 10 | 665.1 | 662.7 | 665.1 | 1.4 | 0.2 |  | 627.5 | 604.1 | 621.5 | 12.2 | 2.0 |
| 11 |  |  |  |  |  |  | 666.2 | 671.3 | 672.9 | 3.5 | 0.5 |