**Table S1:**

**Data of low-lean-mass and control group ( ± s) and diagnosis according to SMI <29.9%.**

|  |  |  |  |
| --- | --- | --- | --- |
| **SMI**（%） | **Low-lean-mass group (n = 219)** | **Control group (n = 1125)** | ***P* value** |
| **Anthropometric measurement** | | | |
| Age (years) | 58.14 ± 11.41 | 54.24 ± 7.28 | <0.001 |
| Weight (kg) | 76.48 ± 11.52 | 71.70 ± 8.75 | <0.001 |
| Height (cm) | 167.53 ± 6.11 | 170.16 ± 5.66 | <0.001 |
| BMI (kg/m2) | 27.19 ± 3.40 | 24.73 ± 2.52 | <0.001 |
| **Body composition** | | | |
| WBTOT\_LEAN (g) | 54614.64 ± 7807.66 | 55170.65 ± 6268.27 | 0.050 |
| HEAD\_LEAN (g) | 4111.82 ± 355.19 | 4006.32 ± 327.53 | <0.001 |
| LARM\_LEAN (g) | 3169.16 ± 534.98 | 3409.12 ± 489.03 | <0.001 |
| RARM\_LEAN (g) | 3476.33 ± 565.33 | 3742.36 ± 516.42 | <0.001 |
| TRUNK\_LEAN (g) | 27518.74 ± 4335.13 | 26375.11 ± 3320.16 | 0.002 |
| L\_LEG\_LEAN (g) | 8121.99 ± 1202.23 | 8769.79 ± 1102.77 | <0.001 |
| R\_LEG\_LEAN (g) | 8216.59 ± 1340.30 | 8867.94 ± 1116.84 | <0.001 |
| **Bone density (g/cm2)** | | | |
| T\_S\_BMD | 0.86 ± 0.12 | 0.88 ± 0.11 | 0.012 |
| L\_S\_BMD | 0.95 ± 0.14 | 1.00 ± 0.14 | <0.001 |
| PELV\_BMD | 1.19 ± 0.16 | 1.23 ± 0.17 | <0.001 |
| LLEG\_BMD | 1.12 ± 0.10 | 1.17 ± 0.10 | <0.001 |
| RLEG\_BMD | 1.12 ± 0.10 | 1.17 ± 0.10 | <0.001 |
| TOT\_BMD | 0.94 ± 0.14 | 0.99 ± 0.15 | 0.003 |
| HIP\_BMD | 0.95 ± 0.13 | 0.96 ± 0.13 | 0.422 |
| HIPNECK\_BMD | 0.78 ± 0.13 | 0.79 ± 0.12 | 0.181 |
| NECK\_BMD | 0.78 ± 0.13 | 0.79 ± 0.12 | 0.082 |

**Notes.**

Data are presented as mean ± SE or number.

BMI, body mass index; HEAD\_LEAN, lean mass of head; LARM\_LEAN, lean mass of left arm; RARM\_LEAN, lean mass of right arm; TRUNK\_LEAN, lean mass of trunk; L\_LEG\_LEAN, lean mass of left leg; R\_LEG\_LEAN, lean mass of right leg; WBTOT\_LEAN, lean mass of whole body; T\_S\_BMD, thoracic spinal BMD; L\_S\_BMD, lumbar spinal BMD; PELV\_BMD, pelvic BMD; HTOT\_BMD, hip BMD; NECK\_BMD, femoral neck BMD; LLEG\_BMD, left leg BMD; RLEG\_BMD, right leg BMD; SMI, skeletal muscle index.