**Table S5:**

**Associations between low lean mass changes according to ASMI and BMDs (n = 208).**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Outcome:\*ASMI**  **（**kg/m2**）** | **Unadjusted**  **β coefficient (95% CI)** | | | **Adjusted\***  **β coefficient (95% CI)** | | |
|  | **β** | **(95% CI)** | ***P*** | **β** | **(95% CI)** | ***P*** |
| WBTOT\_BMD | 1.68 | (0.81, 2.55) | <0.001 | 0.82 | (0.15, 1.48) | 0.016 |
| HEAD\_BMD | -0.18 | (-0.35, -0.00) | 0.049 | -0.17 | (-0.32, -0.02) | 0.024 |
| LRIB\_BMD | -0.39 | (-1.18, 0.41) | 0.346 | -0.46 | (-1.14, 0.21) | 0.178 |
| RRIB\_BMD | 0.14 | (-0.28, 0.55) | 0.523 | 0.16 | (-0.21, 0.54) | 0.399 |
| T\_S\_BMD | 1.75 | (1.19, 2.31) | <0.001 | 0.98 | (0.51, 1.44) | <0.001 |
| L\_S\_BMD | 1.24 | (0.71, 1.77) | <0.001 | 0.52 | (0.10, 0.93) | 0.014 |
| PELV\_BMD | 1.78 | (1.31, 2.26) | <0.001 | 0.60 | (0.21, 0.99) | 0.003 |
| HTOT\_BMD | 3.44 | (2.44, 4.45) | <0.001 | 1.39 | (0.57, 2.22) | 0.001 |
| NECK\_BMD | 3.44 | (2.32, 4.56) | <0.001 | 1.24 | (0.33, 2.15) | 0.008 |
| LLEG\_BMD | 2.71 | (1.90, 3.52) | <0.001 | 1.20 | (0.56, 1.84) | <0.001 |
| RLEG\_BMD | 2.66 | (1.87, 3.45) | <0.001 | 1.41 | (0.79, 2.03) | <0.001 |
| LARM\_BMD | 3.61 | (2.23, 4.99) | <0.001 | 2.14 | (1.10, 3.19) | <0.001 |
| RARM\_BMD | 4.07 | (2.83, 5.32) | <0.001 | 2.31 | (1.35, 3.28) | <0.001 |

**Notes.**

\*Adjusted for age, weight, HbA1c, HDL-C, creatinine, ALT, FT4, diastolic blood pressure, smoking, drinking and exercise.

WBTOT\_BMD, mean whole-body BMD; HEAD\_BMD, skull BMD; LRIB\_BMD, left rib BMD; RRIB\_BMD, right rib BMD; 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; LARM\_BMD, left arm BMD; RARM\_BMD, right arm BM.