**Table 2 Bone density and microstructure of distal radius and tibia in women with LLAC>1 versus controls (LLAC≤1)**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **TIBIA** | | | | **RADIUS** | | | |
|  | **Unadjusted** | | **Adjusted¹** | | **Unadjusted** | | **Adjusted¹** | |
| **Variables** | β (95% CI) | P-value | β (95% CI) | P-value | β (95% CI) | P-value | β (95% CI) | P-value |
| Tt. Area z-score | 0.11  (-0.20,0.41) | 0,500 | -0.05  (-0.33,0.23) | 0,731 | -0.02  (-0.29,0.25) | 0,881 | -0.10  (-0.36,0.15) | 0,417 |
| Ct. area z-score | **-0.37**  **(-0.62,-0.12)** | **0.004** | **-0.33**  **(-0.60,-0.06)** | **0.016** | -0.25  (-0.53,0.02) | 0,071 | -0.19  (-0.48,0.10) | 0,203 |
| Tb. area z-score | 0.16  (-0.17,0.50) | 0.337 | -0.01  (-0.32,0.31) | 0,972 | 0.01  (-0.28,0.30) | 0,945 | -0.06  (-0.35,0.23) | 0,680 |
| Tb.vBMD z-score | **-0.49**  **(-0.89,-0.08)** | **0.019** | -0.38  (-0.81,0.06) | 0.087 | **-0.55**  **(-0.92,-0.17)** | **0.004** | -0.35  (-0.76,0.06) | 0,098 |
| Tb.N z-score | **-0.50**  **(-0.90,-0.11)** | **0.013** | **-0.54**  **(-0.96,-0.11)** | **0.013** | **-0.45**  **(-0.86,-0.05)** | **0.027** | -0.19  (-0.63,0.25) | 0,398 |
| Tb.Th z-score | -0.19  (-0.64,0.25) | 0.384 | -0.01  (-0.50,0.48) | 0,973 | **-0.53**  **(-0.92,-0.13)** | **0.009** | **-0.49**  **(-0.92,0.06)** | **0.027** |
| Tb.Sp z-score | **0.53**  **(0.14,0.93)** | **0.008** | **0.54**  **(0.12,0.95)** | **0.012** | **0.48**  **(0.09,0.87)** | **0.016** | 0.24  (-0.19,0.67) | 0,265 |
| Ct.vBMD z-score | -0.18  (-0.53,0.17) | 0.315 | 0.00  (-0.39,0.39) | 0,992 | -0.08  (-0.53,0.38) | 0.732 | 0.13  (-0.65,0.39) | 0,624 |
| Ct.Th z-score | **-0.40**  **(-0.71,-0.08)** | **0.014** | -0.30  (-0.64,0.04) | 0,083 | -0.22  (-0.60,0.16) | 0.246 | -0.14  (-0.57,0.29) | 0,520 |
| Ct.Po z-score | -0.16  (-0.54,0.21) | 0.395 | -0.30  (-0.75,0.14) | 0,179 | -0.24  (-0.67,0.20) | 0.286 | -0.23  (-0.66,0.36) | 0,554 |

¹ Adjusted for age, height, weight, smoking status, alcohol intake, diabetes, daily calcium intake, daily vitamin D intake, physical activity, social class and current use of bisphosphonates

HRpQCT variables were transformed using the Fisher-Yates rank-based inverse normal transformation to create z-scores.

Tt.area: total area; Ct.area: cortical area; Tb.area: trabecular area; Tb.vBMD: trabecular volumetric bone mineral density; Tb.N: trabecular number; Tb.Th: trabecular thickness; Tb.Sp: trabecular separation; Ct.vBMD: cortical volumetric bone mineral density; Ct.Th: cortical thickness; Ct.Po: cortical porosity.