**Table 4: Diabetes as an explanatory variable for HR-pQCT variables in men**

|  |  |  |
| --- | --- | --- |
|  | **Unadjusted** | **Adjusted for weight** |
|  | **N** | **Regression coefficient** | **95% CI** | **p-value** | **N** | **Regression coefficient** | **95% CI** | **p-value** |
| **Radius** |  |  |  |  |  |  |  |  |
| Total area (FY z-score) | 152 | -0,15 | (-0.69, 0.39) | 0,582 | 152 | -0,32 | (-0.87, 0.22) | 0,241 |
| Cortical area (FY z-score) | 153 | -0,09 | (-0.63, 0.46) | 0,750 | 153 | -0,39 | (-0.92, 0.13) | 0,142 |
| Trabecular area (FY z-score) | 153 | -0,12 | (-0.66, 0.42) | 0,654 | 153 | -0,24 | (-0.79, 0.31) | 0,387 |
| Trabecular density (FY z-score) | 153 | 0,53 | (-0.01, 1.07) | 0,055 | 153 | 0,39 | (-0.16, 0.94) | 0,163 |
| Trabecular number (FY z-score) | 153 | 0,66 | (0.13, 1.19) | **0,015** | 153 | 0,44 | (-0.10, 0.97) | 0,107 |
| Trabecular thickness (FY z-score) | 153 | 0,28 | (-0.27, 0.83) | 0,314 | 153 | 0,27 | (-0.30, 0.83) | 0,357 |
| Trabecular separation (FY z-score) | 153 | -0,68 | (-1.21, -0.15) | **0,013** | 153 | -0,46 | (-0.99, 0.07) | 0,088 |
| Cortical bone mineral density (FY z-score) | 153 | -0,53 | (-1.07, 0.00) | 0,051 | 153 | -0,46 | (-1.01, 0.09) | 0,102 |
| Apparent cortical thickness (FY z-score) | 153 | -0,06 | (-0.60, 0.48) | 0,827 | 153 | -0,25 | (-0.79, 0.30) | 0,374 |
| Cortical porosity (FY z-score) | 153 | 0,68 | (0.15, 1.22) | **0,013** | 153 | 0,51 | (-0.03, 1.05) | 0,066 |
| Cortical pore volume (FY z-score) | 153 | 0,51 | (-0.03, 1.05) | 0,062 | 153 | 0,22 | (-0.30, 0.75) | 0,403 |
|  |  |  |  |  |  |  |  |  |
| **Tibia** |  |  |  |  |  |  |  |  |
| Total area (FY z-score) | 173 | -0,12 | (-0.60, 0.37) | 0,639 | 173 | -0,38 | (-0.86, 0.11) | 0,130 |
| Cortical area (FY z-score) | 174 | 0,31 | (-0.17, 0.79) | 0,200 | 174 | 0,00 | (-0.47, 0.46) | 0,984 |
| Trabecular area (FY z-score) | 174 | -0,16 | (-0.65, 0.32) | 0,506 | 174 | -0,37 | (-0.86, 0.13) | 0,148 |
| Trabecular density (FY z-score) | 174 | 0,15 | (-0.33, 0.63) | 0,537 | 174 | -0,03 | (-0.52, 0.45) | 0,888 |
| Trabecular number (FY z-score) | 174 | 0,55 | (0.08, 1.03) | **0,024** | 174 | 0,04 | (-0.37, 0.46) | 0,834 |
| Trabecular thickness (FY z-score) | 174 | -0,28 | (-0.76, 0.21) | 0,259 | 174 | -0,09 | (-0.59, 0.40) | 0,712 |
| Trabecular separation (FY z-score) | 174 | -0,50 | (-0.98, -0.03) | **0,038** | 174 | -0,02 | (-0.44, 0.39) | 0,908 |
| Cortical bone mineral density (FY z-score) | 174 | -0,50 | (-0.98, -0.02) | **0,040** | 174 | -0,45 | (-0.95, 0.05) | 0,078 |
| Apparent cortical thickness (FY z-score) | 174 | 0,11 | (-0.38, 0.59) | 0,664 | 174 | 0,02 | (-0.48, 0.52) | 0,929 |
| Cortical porosity (FY z-score) | 174 | 0,74 | (0.27, 1.21) | **0,002** | 174 | 0,57 | (0.09, 1.06) | **0,021** |
| Cortical pore volume (FY z-score) | 174 | 0,75 | (0.28, 1.22) | **0,002** | 174 | 0,48 | (0.01, 0.95) | **0,044** |

Significant results are indicated in bold.

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