**Table 2: Summary of HR-pQCT variables in men, by diabetic status**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Non-diabetic1** | | | **Diabetic1** | | |  |
| **N** | **Median** | **IQR** | **N** | **Median** | **IQR** | **p-value** |
| **Radius** |  |  |  |  |  |  |  |
| Total area (mm2) | 138 | 417,9 | 385.6 - 467.9 | 14 | 410,9 | 375.9 - 474.4 | 0,610 |
| Cortical area (mm2) | 139 | 70,2 | 61.0 - 77.4 | 14 | 67,7 | 62.1 - 71.9 | 0,556 |
| Trabecular area (mm2) | 139 | 344,1 | 307.7 - 400.0 | 14 | 335,5 | 301.1 - 399.9 | 0,714 |
| Trabecular density (mg/cm3) | 139 | 180,0 | 156.7 - 201.9 | 14 | 190,7 | 167.3 - 224.9 | 0,107 |
| Trabecular number (cm-1) | 139 | 23,6 | 22.3 - 24.9 | 14 | 25,1 | 23.2 - 26.5 | **0,024** |
| Trabecular thickness (µm) | 139 | 64,0 | 57.0 - 70.0 | 14 | 64,5 | 60.0 - 75.0 | 0,410 |
| Trabecular separation (µm) | 139 | 359,0 | 336.0 - 388.0 | 14 | 337,0 | 309.0 - 364.0 | **0,033** |
| Cortical bone mineral density (mg/cm3) | 139 | 909,9 | 882.1 - 947.0 | 14 | 885,6 | 860.3 - 914.6 | **0,032** |
| Apparent cortical thickness (µm) | 139 | 802,7 | 701.7 - 923.0 | 14 | 752,1 | 708.5 - 847.6 | 0,531 |
| Cortical porosity (%) | 139 | 3,9 | 3.0 - 4.8 | 14 | 5,0 | 4.1 - 5.3 | **0,013** |
| Cortical pore volume (mm3) | 139 | 22,3 | 16.7 - 27.4 | 14 | 28,2 | 21.0 - 32.2 | **0,067** |
| **Tibia** |  |  |  |  |  |  |  |
| Total area (mm2) | 155 | 913,3 | 815.3 - 1012.0 | 18 | 911,6 | 838.1 - 975.2 | 0,651 |
| Cortical area (mm2) | 156 | 138,0 | 126.2 - 155.2 | 18 | 148,2 | 132.4 - 171.0 | 0,224 |
| Trabecular area (mm2) | 156 | 769,6 | 660.7 - 868.4 | 18 | 763,8 | 670.0 - 836.9 | 0,492 |
| Trabecular density (mg/cm3) | 156 | 189,8 | 164.2 - 212.3 | 18 | 194,0 | 176.4 - 216.4 | 0,555 |
| Trabecular number (cm-1) | 156 | 24,2 | 22.0 - 26.4 | 18 | 25,9 | 24.1 - 27.5 | **0,041** |
| Trabecular thickness (µm) | 156 | 66,0 | 57.0 - 71.0 | 18 | 61,5 | 57.0 - 63.0 | 0,175 |
| Trabecular separation (µm) | 156 | 346,5 | 320.0 - 389.0 | 18 | 324,5 | 303.0 - 356.0 | 0,062 |
| Cortical bone mineral density (mg/cm3) | 156 | 874,1 | 837.3 - 908.7 | 18 | 844,6 | 803.5 - 874.7 | **0,030** |
| Apparent cortical thickness (µm) | 156 | 1165,7 | 1048.2 - 1373.7 | 18 | 1196,6 | 1094.4 - 1331.9 | 0,718 |
| Cortical porosity (%) | 156 | 8,7 | 7.2 - 10.4 | 18 | 10,9 | 9.3 - 13.5 | **0,005** |
| Cortical pore volume (mm3) | 156 | 101,2 | 81.9 - 125.0 | 18 | 141,1 | 92.2 - 176.9 | **0,005** |

¹Diabetic = those reporting taking insulin, sulphonylureas or biguanides;

Non-diabetic = those not reporting taking any of these medications and no self-report of diabetes