**Table 3: Summary of HR-pQCT variables in women, by diabetic status**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Non-diabetic1** | **Diabetic1** |  |
|  | **N** | **Median** | **IQR** | **N** | **Median** | **IQR** | **p-value** |
| **Radius** |  |  |  |  |  |  |  |
| Total area (mm2) | 127 | 279,3 | 257.2 - 304.0 | 9 | 281,5 | 259.4 - 311.5 | 0,796 |
| Cortical area (mm2) | 127 | 45,9 | 40.0 - 51.0 | 9 | 54,3 | 49.6 - 55.4 | 0,051 |
| Trabecular area (mm2) | 127 | 235,1 | 206.3 - 259.2 | 9 | 237,9 | 201.2 - 259.5 | 0,763 |
| Trabecular density (mg/cm3) | 127 | 144,6 | 108.9 - 167.2 | 9 | 153,1 | 116.7 - 174.1 | 0,713 |
| Trabecular number (cm-1) | 127 | 21,3 | 18.0 - 23.5 | 9 | 23,0 | 21.1 - 25.1 | 0,225 |
| Trabecular thickness (µm) | 127 | 55,0 | 50.0 - 63.0 | 9 | 52,0 | 51.0 - 59.0 | 0,365 |
| Trabecular separation (µm) | 127 | 413,0 | 367.0 - 508.0 | 9 | 374,0 | 341.0 - 414.0 | 0,308 |
| Cortical bone mineral density (mg/cm3) | 127 | 914,2 | 871.5 - 944.9 | 9 | 900,5 | 891.1 - 937.5 | 0,700 |
| Apparent cortical thickness (µm) | 127 | 682,5 | 553.5 - 769.6 | 9 | 738,7 | 689.4 - 848.4 | 0,168 |
| Cortical porosity (%) | 127 | 3,4 | 2.4 - 4.1 | 9 | 4,3 | 3.2 - 5.1 | **0,042** |
| Cortical pore volume (mm3) | 127 | 11,5 | 8.2 - 16.7 | 9 | 16,6 | 14.6 - 20.2 | **0,016** |
|  |  |  |  |  |  |  |  |
| **Tibia** |  |  |  |  |  |  |  |
| Total area (mm2) | 141 | 690,1 | 639.1 - 775.7 | 9 | 689,8 | 666.9 - 738.9 | 0,940 |
| Cortical area (mm2) | 141 | 93,0 | 83.3 - 103.5 | 9 | 94,0 | 84.4 - 96.7 | 0,940 |
| Trabecular area (mm2) | 141 | 600,1 | 538.0 - 698.1 | 9 | 605,3 | 580.1 - 652.6 | 0,962 |
| Trabecular density (mg/cm3) | 141 | 166,4 | 145.5 - 194.9 | 9 | 176,7 | 159.3 - 186.4 | 0,681 |
| Trabecular number (cm-1) | 141 | 23,0 | 20.7 - 24.9 | 9 | 22,0 | 20.6 - 23.5 | 0,785 |
| Trabecular thickness (µm) | 141 | 63,0 | 54.0 - 70.0 | 9 | 63,0 | 57.0 - 67.0 | 0,959 |
| Trabecular separation (µm) | 141 | 374,0 | 339.0 - 420.0 | 9 | 387,0 | 360.0 - 422.0 | 0,968 |
| Cortical bone mineral density (mg/cm3) | 141 | 816,4 | 768.1 - 859.0 | 9 | 812,7 | 753.7 - 859.9 | 0,940 |
| Apparent cortical thickness (µm) | 141 | 913,0 | 778.6 - 1069.4 | 9 | 904,2 | 832.1 - 963.3 | 0,701 |
| Cortical porosity (%) | 141 | 9,8 | 7.8 - 11.8 | 9 | 10,1 | 8.7 - 10.9 | 0,572 |
| Cortical pore volume (mm3) | 141 | 72,5 | 56.8 - 90.1 | 9 | 81,9 | 53.6 - 96.3 | 0,713 |

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

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