**Supplementary table 1**. Markers of mineral metabolism and kidney function based on tertiles of FGF23

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **T1** | **T2** | **T3** |  |
|  | *Mean (SD*) | *Mean (SD*) | *Mean (SD*) |  |
| ***Age 75*** | n=374 | n=296 | n=325 | P for trend |
| s-FGF23 (pmol/L) | 0.4\* (0.2) | 0.8\* (0.2) | 1.6\* (1.2) |  |
| p-Ca (mmol/L) | 2.38 (0.06) | 2.41 (0.07) | 2.40 (0.09) | **0.016** |
| p-phosphate (mmol/L) | 1.12 (0.16) | 1.12 (0.20) | 1.13 (0.20) | 0.704 |
| s-PTH (pmol/L) | 4.0\* (2.1) | 4.2\* (2.3) | 4.6\* (2.8) | **<0.001** |
| s-25(OH)D (nmol/L) | 62 (18) | 64 (19) | 60 (21) | **0.031** |
| p-ALP (ukat/L) | 1.3\* (0.4) | 1.4\* (0.5) | 1.4\* (0.5) | **0.012** |
| eGFR (mL/min/1.73m2) | 70 (16) | 62 (17) | 57 (17) | **<0.001** |
| ***Age 80*** | n=233 | n=224 | n=210 |  |
| s-FGF23 (pmol/L) | 0.6\* (0.2) | 1.1\* (0.3) | 2.2\* (1.4) |  |
| p-Ca (mmol/L) | 2.38\* (0.11) | 2.38\* (0.10) | 2.40\* (0.15) | 0.179 |
| p-phosphate (mmol/L) | 1.09 (0.14) | 1.09 (0.14) | 1.11 (0.16) | 0.406 |
| s-PTH (pmol/L) | 3.3\* (2.9) | 3.9\* (3.0) | 4.6\* (4.7) | **<0.001** |
| s-25(OH)D (nmol/L) | 73\* (34) | 74\* (36) | 73\* (47) | 0.992 |
| p-ALP (ukat/L) | 1.2\* (0.4) | 1.3\* (0.4) | 1.3\* (0.5) | 0.758 |
| eGFR (mL/min/1.73m2) | 62 (13) | 55 (14) | 46 (13) | **<0.001** |
| ***Age 85*** | n=108 | n=119 | n=97 |  |
| s-FGF23 (pmol/L) | 0.4 (0.1) | 0.9\* (0.3) | 2.2\* (1.8) |  |
| p-Ca (mmol/L) | 2.33 (0.07) | 2.34 (0.09) | 2.35\* (0.11) | 0.441 |
| p-phosphate (mmol/L) | 1.14 (0.11) | 1.11 (0.13) | 1.13 (0.16) | 0.265 |
| s-PTH (pmol/L) | 3.7\* (2.3) | 4.2\* (2.7) | 4.8\* (4.6) | **<0.001** |
| s-25(OH)D (nmol/L) | 79 (26) | 78 (26) | 81 (27) | 0.746 |
| p-ALP (ukat/L) | 1.1\* (0.3) | 1.1\* (0.4) | 1.2\* (0.5) | 0.075 |
| eGFR (mL/min/1.73m2) | 54 (11) | 47 (14) | 42 (13) | **<0.001** |

\*Median with IQR

P values calculated using ANOVA, Kruskal-Wallis, as appropriate