**Additional file 1**

**Table S1.** Univariate correlations between coronary artery calcification (volume score) and parameters.

|  |  |  |
| --- | --- | --- |
| Parameter | Correlation Coefficient | *p* |
| Age (years)\* | 0.25 | 0.048 |
| Dialysis duration (months) | 0.20 | 0.13 |
| Sex(female:0, male:1)\* | 0.45 | <0.01 |
| Body weight (kg) | 0.15 | 0.24 |
| Albumin (g/dL) | −0.22 | 0.09 |
| Intact parathyroid hormone (pg/mL) | 0.06 | 0.63 |
| Total cholesterol (mg/dL)\* | −0.36 | 0.005 |
| Triglyceride (mg/dL) | −0.10 | 0.46 |
| Sclerostin (pmol//L) | −0.17 | 0.18 |
| DKK1 (pmol//L) | −0.10 | 0.43 |
| Calcium (mg/dL) | −0.18 | 0.16 |
| Phosphate (mg/dL) | 0.02 | 0.89 |
| Calcium x Phosphate (mg2/dL2) | 0.01 | 0.97 |
| 25(OH) Vitamin D (ng/mL) | 0.15 | 0.24 |
| Femoral neck (g/cm2) | -0.07 | 0.58 |
| Lumbar spine (g/cm2) | 0.14 | 0.30 |
| Intravenous pulse calcitriol\* | 0.42 | 0.001 |
| Lipid lowering agents | -0.02 | 0.85 |
| Smoking | 0.13 | 0.31 |
| Diabetes Mellitus | 0.04 | 0.76 |
| Hypertension\* | 0.26 | 0.045 |

\**p*<0.05

**Table S2.** Output from forward stepwise regression analyses between multiple factors and coronary artery calcification ion (volume score) in 61 dialysis patients.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Variables | Beta | S.E | t statistics | *p* |
| Age(years)\* | 49.62 | 18.37 | 2.70 | 0.01 |
| Sex(male : 1; female : 0)\* | 1125.25 | 517.22 | 2.18 | 0.03 |
| Intravenous pulse calcitriol (yes: 1; negative : 0)\* | 1896.15 | 671.35 | 2.82 | 0.01 |
| Duration(months)\* | 10.22 | 4.14 | 2.47 | 0.02 |
| S.E: standard error |  |  |  |  |

\*: mean P<0.05