

Table 5. Relationship between thyroid function tests, T-score, markers of bone turnover and FRAX scores

| | TSH (mU/liter) Adjusted* linear regression model | | | fT4 (mU/liter) Adjusted* linear regression model | | | TPOAb Adjusted* logistic regression model | |
|------------------------------|--|-----------------------------------|--------------|--|-------------------------------|--------------|---|--------|
| | Model R ² | b coefficient (95% CI) | p | Model R ² | b coefficient (95% CI) | p | OR (95% CI for OR) | p |
| t score | | | | | | | | |
| Lumbar spine | 0.008 | 0.047 (-0.476-0.570) | 0.860 | 0.031 | 0.156 (-0.081-0.393) | 0.196 | 1.046 (0.764-1.431) | 0.780 |
| hip | 0.041 | -0.882 (-1.719---0.044) | 0.039 | 0.092 | 0.684 (0.226-1.141) | 0.004 | 0.745 (0.433-1.281) | 0.286 |
| Bone turnover markers | | | | | | | | |
| OC | 0.067 | 0.068 (0.007- 0.128) | 0.029 | 0.036 | -0.014 (-0.055-0.028) | 0.515 | 0.999 (0.960-1.038) | 0.948 |
| BCL | 0.018 | 0.001 (-0.003-0.005) | 0.543 | 0.041 | 0.001 (-0.001-0.004) | 0.618 | 1.001 (0.999-1.004) | 0.288 |
| FRAX score | | | | | | | | |
| Total | 0.059 | 0.224 (0.056-0.392) | 0.009 | 0.063 | -0.101 (-0.196- -0.007) | 0.035 | 4.471 (1.847-10.821) | 0.001† |
| Hip | 0.019 | 0.287 (-0.150-0.724) | 0.196 | 0.062 | -0.279 (-0.554– 0.005) | 0.046 | 1.089 (0.811- 1.463) | 0.569 |

†FRAX scores were included in analysis as categorical variable (cut-off value ≥ 6)