

Table 2. Quality of evidence and sensitivity analysis.

Variables	No. of studies	Mean difference (confidence interval)	Quality of evidence	Reasons	Sensitivity analysis ^a Mean (confidence interval)
Bone mineral density of femoral neck	8	-0.01 (-0.03 to 0.01) g/cm ²	Low ⊕⊕OO	Observation studies	-0.01 (-0.03 to 0.02) g/cm ²
Bone mineral density of lumbar spine	8	0.01 (-0.02 to 0.03) g/cm ²	Low ⊕⊕OO	Observation studies	0.01 (-0.02 to 0.04) g/cm ²
Bone mineral density of total hip	4	-0.03 (-0.06 to 0.01) g/cm ²	Low ⊕⊕OO	Observation studies	-0.03 (-0.07 to 0.01) g/cm ²
Trabecular bone score	2	-0.02 (-0.10 to 0.07)	Very Low ⊕OOO	Observation studies (small number)	-0.03 (-0.14 to 0.08)
Procollagen type 1 N-terminal propeptide	5	-36.95 (-56.86 to -17.03) ng/mL	Low ⊕⊕OO	Observation studies	-37.47 (-60.55 to 14.38) ng/mL
C-terminal telopeptide	5	-0.19 (-0.32 to -0.07) ng/dL	Low ⊕⊕OO	Observation studies	-0.25 (-0.34 to -0.15) ng/dL
Serum 25-hydroxyvitamin D level	4	1.03 (0.24 to 1.83) ng/mL	Low ⊕⊕OO	Observation studies	1.11 (0.31 to 1.91) ng/mL
Serum calcium level	3	-0.00 (-0.04 to 0.03) mmol/L	Low ⊕⊕OO	Observation studies	-0.00 (-0.04 to 0.03) mmol/L
Intact parathyroid hormone level	4	3.29 (-1.40 to 7.97) pg/mL	Very Low ⊕OOO	Observation studies (inconsistent result)	1.66 (-4.81 to 8.13) pg/mL

^a Mean difference of meta-analyses excluding Censi (2018),²⁴ Zorzon (2004),³¹ and Frediani (2004)³³ for their overall risk of bias: some concerns.