

Online Resource 1

Early changes in bone turnover predict longer-term changes in bone mineral density but not trabecular bone score in frail older women

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Supplementary Table 1: Descriptive Statistics of Skeletal Measures by Bone Turnover Marker Category (mean ± standard deviation)

Shorter-Term 6-Month Change in Marker of Bone Turnover	Longer-Term Percent Change in Skeletal Measures							
	Spine BMD		Total Hip BMD		Femoral Neck BMD		TBS	
	12 Months	24 Months	12 Months	24 Months	12 Months	24 Months	12 Months	24 Months
CTX Change:								
Tertile 1 (<-0.14 ng/ml)	2.7 ± 4.0	4.3 ± 4.7	0.02 ± 0.03	0.01 ± 0.03	2.2 ± 6.8	-0.6 ± 4.4	-1.2 ± 6.4	-1.7 ± 6.8
Tertile 2 (-0.14 to 0.03 ng/ml)	1.7 ± 4.7	1.8 ± 6.2	1.2 ± 4.2	0.9 ± 4.8	0.5 ± 4.5	-1.5 ± 5.3	-3.3 ± 12.1	-3.1 ± 11.6
Tertile 3 (>0.03 ng/ml)	1.2 ± 3.4	0.8 ± 4.4	-0.2 ± 3.7	-1.4 ± 5.6	-1.1 ± 5.5	-2.3 ± 6.0	0.9 ± 5.9	0.6 ± 5.3
PINP Change:								
Tertile 1 (<-17.2 ng/ml)	3.4 ± 5.0	4.7 ± 5.6	1.9 ± 4.5	1.2 ± 4.2	1.7 ± 6.8	-0.7 ± 5.4	-1.9 ± 11.5	-3.6 ± 11.3
Tertile 2 (-17.2 to -0.1 ng/ml)	1.6 ± 3.6	2.0 ± 5.7	1.54 ± 3.9	1.9 ± 4.7	0.2 ± 5.4	-0.4 ± 5.4	-1.0 ± 6.8	-1.8 ± 7.2
Tertile 3 (>-0.1 ng/ml)	0.7 ± 3.2	0.1 ± 3.6	-0.03 ± 3.9	-1.5 ± 5.6	-0.2 ± 4.7	-3.3 ± 4.6	-0.6 ± 7.3	1.0 ± 5.2