

Additional File 7: ANCOVA multivariable models a) including an interaction term and b) without the interaction term.

A)

Characteristic	Beta	95% CI ¹	p-value
Log(25-OH-D baseline level)	1.1	-0.28, 2.6	0.11
Treatment Group			
Placebo	—	—	
Cholecalciferol loading dose group	4.5	-1.0, 10	0.11
log(25-OH-D baseline level) * Cholecalciferol loading dose group	-0.99	-2.5, 0.55	0.2

B)

Characteristic	Beta	95% CI ¹	p-value
Log(25-OH-D baseline level)	0.29	-0.23, 0.81	0.3
Treatment group			
Placebo	—	—	
Cholecalciferol loading dose group	0.98	0.68, 1.3	<0.001

¹CI = Confidence Interval.

Footnote: In order to represent the treatment effect on the scale of 25-OH-D it is necessary to exponentiate the beta coefficient above as well as the confidence interval. The result is that the 25-OH-D is estimated to be 2.66 times higher (95% CI: 1.98, 3.56) in the treatment group compared to the placebo group.