

Table 2 Bone density and microstructure of distal radius and tibia in women with LLAC>1 versus controls (LLAC≤1)

	TIBIA				RADIUS			
	Unadjusted		Adjusted ¹		Unadjusted		Adjusted ¹	
Variables	β (95% CI)	P-value	β (95% CI)	P-value	β (95% CI)	P-value	β (95% CI)	P-value
Tt. Area z-score	0.11 (-0.20,0.41)	0,500	-0.05 (-0.33,0.23)	0,731	-0.02 (-0.29,0.25)	0,881	-0.10 (-0.36,0.15)	0,417
Ct. area z-score	-0.37 (-0.62,-0.12)	0.004	-0.33 (-0.60,-0.06)	0.016	-0.25 (-0.53,0.02)	0,071	-0.19 (-0.48,0.10)	0,203
Tb. area z-score	0.16 (-0.17,0.50)	0.337	-0.01 (-0.32,0.31)	0,972	0.01 (-0.28,0.30)	0,945	-0.06 (-0.35,0.23)	0,680
Tb.vBMD z-score	-0.49 (-0.89,-0.08)	0.019	-0.38 (-0.81,0.06)	0.087	-0.55 (-0.92,-0.17)	0.004	-0.35 (-0.76,0.06)	0,098
Tb.N z-score	-0.50 (-0.90,-0.11)	0.013	-0.54 (-0.96,-0.11)	0.013	-0.45 (-0.86,-0.05)	0.027	-0.19 (-0.63,0.25)	0,398
Tb.Th z-score	-0.19 (-0.64,0.25)	0.384	-0.01 (-0.50,0.48)	0,973	-0.53 (-0.92,-0.13)	0.009	-0.49 (-0.92,0.06)	0.027
Tb.Sp z-score	0.53 (0.14,0.93)	0.008	0.54 (0.12,0.95)	0.012	0.48 (0.09,0.87)	0.016	0.24 (-0.19,0.67)	0,265
Ct.vBMD z-score	-0.18 (-0.53,0.17)	0.315	0.00 (-0.39,0.39)	0,992	-0.08 (-0.53,0.38)	0.732	0.13 (-0.65,0.39)	0,624
Ct.Th z-score	-0.40 (-0.71,-0.08)	0.014	-0.30 (-0.64,0.04)	0,083	-0.22 (-0.60,0.16)	0.246	-0.14 (-0.57,0.29)	0,520
Ct.Po z-score	-0.16 (-0.54,0.21)	0.395	-0.30 (-0.75,0.14)	0,179	-0.24 (-0.67,0.20)	0.286	-0.23 (-0.66,0.36)	0,554

¹ Adjusted for age, height, weight, smoking status, alcohol intake, diabetes, daily calcium intake, daily vitamin D intake, physical activity, social class and current use of bisphosphonates

HRpQCT variables were transformed using the Fisher-Yates rank-based inverse normal transformation to create z-scores.

Tt.area: total area; Ct.area: cortical area; Tb.area: trabecular area; Tb.vBMD: trabecular volumetric bone mineral density; Tb.N: trabecular number; Tb.Th: trabecular thickness; Tb.Sp: trabecular separation; Ct.vBMD: cortical volumetric bone mineral density; Ct.Th: cortical thickness; Ct.Po: cortical porosity.