

Supplementary data

2-year follow-up results of BMD measurements of the proximal tibia (g/cm^2), and ΔBMD (%) of the proximal tibia ROI 1, ROI 2, and ROI 3 and BMC (g) of the ankles (ROI 4).

	Postoperative		3 months		6 months		12 months		24 months	
	Monoblock	Modular	Monoblock	Modular	Monoblock	Modular	Monoblock	Modular	Monoblock	Modular
ROI 1, BMD (g/cm^2)										
Mean (SD)	0.93 (0.16)	0.87 (0.13)	0.91 (0.17)	0.90 (0.12)	0.88 (0.18)	0.89 (0.14)	0.84 (0.15)	0.88 (0.15)	0.79 (0.22)	0.86 (0.14)
ΔBMD (%)			-1.3	3.7	-4.7	3.2	-9.4	-0.2	-15.0	-0.01
p-value ^a									0.004	0.03
p-value ^b										0.03
ROI 2, BMD (g/cm^2)										
Mean (SD)	0.98 (0.17)	0.95 (0.13)	0.98 (0.18)	0.93 (0.20)	0.96 (0.18)	0.98 (0.16)	0.92 (0.15)	0.98 (0.16)	0.85 (0.24)	0.95 (0.17)
ΔBMD (%)			0.2	-1.8	-1.9	3.1	-6.7	0.8	-13.3	0.0
p-value ^a									0.01	0.5
p-value ^b										0.02
ROI 3, BMD (g/cm^2)										
Mean (SD)	1.13 (0.15)	1.13 (0.11)	1.14 (0.18)	1.15 (0.12)	1.13 (0.21)	1.14 (0.13)	1.11 (0.18)	1.13 (0.13)	1.09 (0.18)	1.13 (0.13)
ΔBMD (%)			1.0	1.3	0.1	0.8	-1.5	-0.2	-3.5	0.0
p-value ^a									0.8	0.5
p-value ^b										1.0
Ankle of operated limb, BMC (g)										
Mean (SD)	7.89 (0.49)	7.77 (0.42)	7.50 (0.37)	7.97 (0.34)	7.70 (0.38)	8.14 (0.33)	7.54 (0.38)	8.21 (0.36)	7.60 (0.36)	8.19 (0.32)
ΔBMC (%)			-5.0	2.6	-2.4	4.8	-4.5	5.8	-3.7	5.4
p-value ^a									0.7	0.6
p-value ^b										0.2
Ankle of non-operated limb, BMC (g)										
Mean (SD)	8.01 (0.39)	7.97 (0.40)	8.05 (0.38)	8.42 (0.30)	8.09 (0.39)	8.48 (0.35)	7.75 (0.36)	8.53 (0.34)	7.94 (0.36)	8.45 (0.34)
ΔBMC (%)			0.4	5.7	1.0	6.5	-3.2	7.1	-0.9	6.1
p-value ^a									0.9	0.4
p-value ^b										0.3

^a Paired t-test for BMC change within groups

^b Unpaired t-test for difference in BMC change between groups.