

Table S1 Parameters of bone from μ CT and histomorphometry

Parameters	Sham	LPS	LPS + L. KT	LPS + H. KT
Trabecular bone, μ CT ^a				
Trabecular BMD (g/cm ³)	0.31 $\pm$ 0.07	0.22 $\pm$ 0.04 #	0.23 $\pm$ 0.03 *	0.29 $\pm$ 0.03 **
Bone volume/total volume, %	35.31 $\pm$ 3.27	19.47 $\pm$ 3.52 #	28.65 $\pm$ 3.08 *	33.45 $\pm$ 2.51 **
Trabecular number ^b	2.81 $\pm$ 0.16	1.93 $\pm$ 0.23 #	2.25 $\pm$ 0.34	2.70 $\pm$ 0.17 *
Trabecular thickness, mm	0.55 $\pm$ 0.64	0.32 $\pm$ 0.51 #	0.41 $\pm$ 0.26 *	0.49 $\pm$ 0.42 **
Trabecular separation, mm	0.35 $\pm$ 0.06	0.51 $\pm$ 0.04 #	0.41 $\pm$ 0.03 *	0.33 $\pm$ 0.05 **
Cortical bone, μ CT				
Cortical BMD	1.55 $\pm$ 0.65	1.22 $\pm$ 0.44 #	1.25 $\pm$ 0.31 *	1.35 $\pm$ 0.39 **
Cortical total area, mm ²	10.55 $\pm$ 0.84	8.91 $\pm$ 0.25 #	9.68 $\pm$ 0.77 *	10.08 $\pm$ 0.19 **
Cortical bone area, mm ²	5.51 $\pm$ 0.31	4.632 $\pm$ 0.76 #	5.31 $\pm$ 0.64 *	5.37 $\pm$ 0.34 *
Cortical marrow area, mm ²	5.04 $\pm$ 0.30	4.27 $\pm$ 0.63 #	4.37 $\pm$ 0.30 *	4.70 $\pm$ 0.26 **
Cortical thickness, mm	0.40 $\pm$ 0.42	0.34 $\pm$ 0.33 #	0.36 $\pm$ 0.16	0.39 $\pm$ 0.27 *
Trabecular bone, histomorphometry ^c				
Osteoclast surface/bone surface, %	7.5 $\pm$ 0.75	29.3 $\pm$ 4.2 #	20.4 $\pm$ 2.3 *	12.6 $\pm$ 1.9 **
Osteoclast number ^d	5.3 $\pm$ 0.92	26.2 $\pm$ 3 #	18.7 $\pm$ 1.5 *	9.4 $\pm$ 1.2 **

Note: Values are the mean $\pm$ SD of at least 10 animals per group. LPS = Lipopolysaccharide

Mean $\pm$ SD, * P < 0.05 vs. LPS treated (#)

^aProximal femoral metaphysis.

^bNumber of plates per unit of length 9mm.

^cProximal femoral metaphysis, 100 μ m from distal end of growth plate excluding the endocortical surfaces, longitudinal sections.

^dNumber of osteoclasts per mm² of bone surface.