Tube density: Linear mixed effects model

Fixed effect	β Estimated coefficient	$R^2_{\beta*}$ Proportion of variance explained
pSMAD3$^+$ cells/mm2	10.253 (4.958, 15.547)	0.230 (0.124, 0.351)
Cell density	−0.940 (−2.318, 0.439)	0.017 (0.000, 0.084)
pSMAD3$^+$ × Cell density	−0.005 (−0.007, −0.003)	0.240 (0.132, 0.361)
Intercept	23 386.540 (19 159.800, 27 613.280)	

Random Effects	Std. deviance
Due to patient	
Intercept	5302.388
pSMAD3$^+$ cells/mm2	5.015
Observations	140
Log Likelihood	−1 464.308

Note: Cell density measured as cells/mm^2.

Tube density measured as μm/mm^2.

Independent variables centered to their mean.