

Tissue	Number of micro-failures	C1 (kPa)	Pearson's correlation (r= [95% IC])	p-value
Skin (n=10)	16 ± 14	46 ± 15	0.3 [-0.4 ;0.8]	0.5
Vagina (n=10)	6 ± 4	165 ± 60	0.7 [0.2 ;0.9]	0.02
EAS (n=10)	23 ± 19	27 ± 10	0.3 [-0.4 ;0.8]	0.4
IAS (n=10)	18 ± 17	19 ± 13	-0.3 [-0.8 ;0.4]	0.4
Anal mucosa (n=10)	38 ± 23	145 ± 28	0.2 [-0.5 ;0.7]	0.6

Table 4. Correlation between C1 hyperelastic coefficient and the number of micro-failures before complete rupture of each tissue (Yeoh model)

Results are expressed as mean ± standard deviation