

Supplementary Information

Effects of observation period (B1 – R3) on activity and heart rate using linear mixed effects models (R function nlme::lme).

Table SI 1: Mixed effects model for activity. Note, activity has been normalized using a Box-Cox transformation.

Fixed effects: Activity ~ Observation period					
	Value	Std.Error	DF	t-value	p-value
(Intercept)	-6.345	0.182	254	-34.825	<0.001
B2	0.577	0.153	254	3.78	<0.001
L1	2.53	0.153	254	16.564	<0.001
L2	2.881	0.153	254	18.859	<0.001
L3	3.888	0.153	254	25.457	<0.001
R1	1.385	0.153	254	9.066	<0.001
R2	-0.317	0.153	254	-2.077	0.039
R3	0.252	0.153	254	1.647	0.101
Random effects: Formula: ~1 Pen (Intercept) Residual StdDev: 0.2541029 0.6204512					

Table SI 2: Mixed effects model for heart rate.

Fixed effects: Heart rate ~ Observation period					
	Value	Std.Error	DF	t-value	p-value
(Intercept)	44.062	2.571	227	17.138	0
B2	-0.449	3.636	227	-0.124	0.902
L1	4.936	3.755	227	1.314	0.19
L2	-5.296	3.826	227	-1.384	0.168
L3	-20.536	4.294	227	-4.782	0
R1	13.65	3.723	227	3.667	0
R2	5.568	3.636	227	1.531	0.127
R3	-6.003	3.864	227	-1.554	0.122
Random effects: Formula: ~1 Pen (Intercept) Residual StdDev: 0.0005961045 14.99115					

Effects of presence of inflammation on activity using Mann Whitney U test (stats:: Wilcox_test).

Table SI 3: Activity data availability for the observation periods of interest.

N	No inflammation	Inflammation present
Internal suture	24	9
External suture	22	11

Table SI 4: Man Whitney U test P-values.

Observation period	Suture	
	Internal	External
B1	0.62	0.23
B2	0.22	0.25
L1	0.98	0.14
L2	0.33	0.9
L3	0.77	0.61
R1	1.00	0.72
R2	0.56	0.14
R3	0.71	0.26