

Supplementary data

Table 3. Antibodies used for flow cytometry

Panel/Cell	Conjugate	Titer	Stock (µg/µl)	Clone	Company
Lymphocytes					
T-cells	CD3-PE	1:200	0.2	17A2	Biolegend
T-cytotox	CD8-PacOr	1:100	0.1	5H10	Life Technologies
Signaling	CD200-APC	1:100	0.2	OX-90	Biolegend
Leukocytes	CD45-FITC	1:200	0.5	30-F11	Biolegend
B-cells	CD19-PB	1:100	0.5	6D5	Biolegend
IgM	IgM-PE	1:320	0.2	RMM-1	Biolegend
Activated T-helper	CD25-PECy7	1:200	0.2	PC61	Biolegend
T-helper	CD4 - PERCPy5.5	1:200	0.2	RM4-5	Biolegend
NK-cells	NK1.1-AF700	1:400	0.5	PK136	Biolegend
Macrophages					
Myeloid cells	CD11b - V500	1:200	0.2	M1/70	BD
M1	CCR7 - PERCPy5.5	1:20	0.5	4B12	Biolegend
Leukocytes	CD45 - FITC	1:200	0.5	30-F11	Biolegend
M2	CD206 - AF467	1:100	0.5	C068C2	Biolegend
Macrophages	F4/80-PB	1:1000	0.5	BM8	Biolegend
CSF-R	CD115-PE	1:2000	0.2	AFS98	Biolegend
Monocytes	CD14 - APC-Cy7	1:40	0.2	Sa14-2	Biolegend

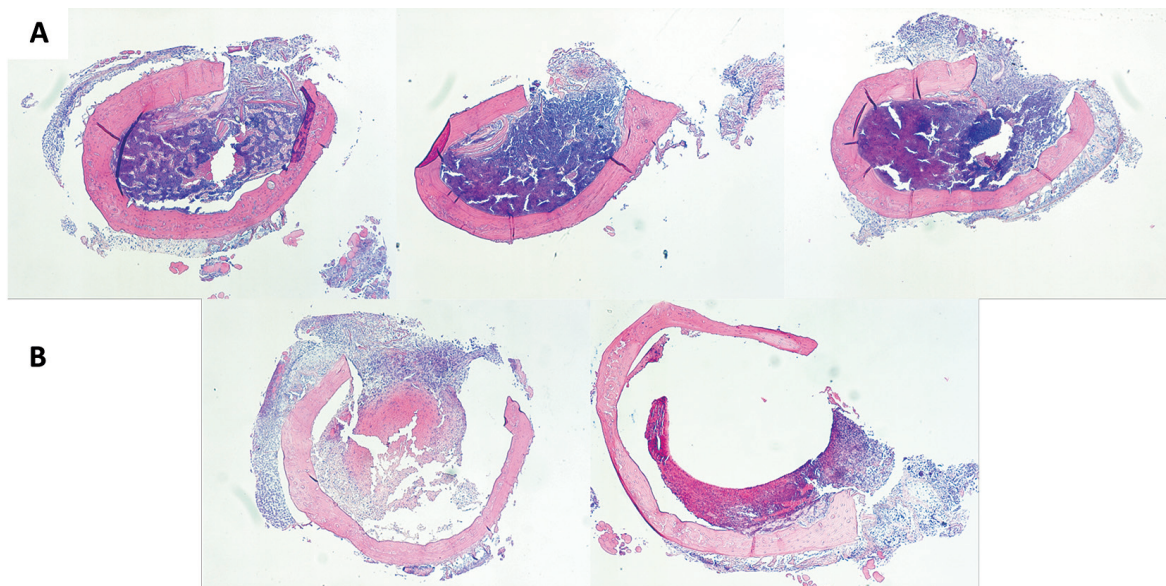


Figure 5. Histology images 5 days after cortical defect, $\times 5$. New bone marrow-like tissue could be seen in the controls (A), whereas no marrow regeneration could be seen in the silicone plug group (B).

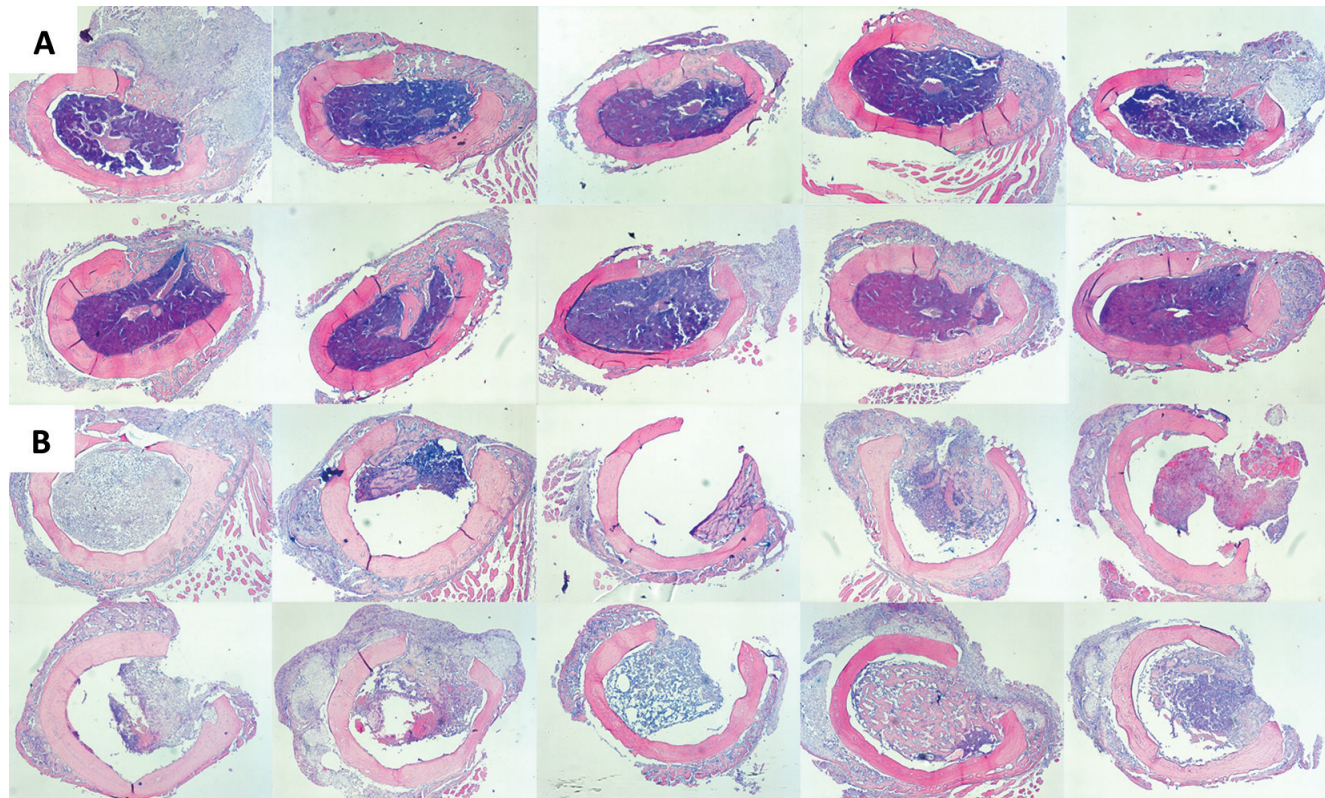


Figure 6. Histology images 10 days after cortical defect, $\times 5$. Complete cortical bridging, with a distinct interface between the regenerated marrow-like tissue and newly formed bone, could be seen in the controls (A). No tendencies to cortical bridging could be seen in the silicone group (B), however, some animals showed newly formed bone in the marrow compartment.