

Supporting Information S2:

Comparative *in vivo* biocompatibility of cellulose-derived and synthetic meshes in subcutaneous transplantation models

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44	PP	0	0	0	0	0	0	0	0	1
47	BC	0	1	0	0	0	0	0	0	0
47	PP	0	0	0	0	1	0	0	0	0
48	RC	0	0	0	0	0	0	0	0	1
48	PP	1	0	0	0	0	0	0	0	0
51	SHAM	0	1	0	0	0	0	0	0	0
51	PP	1	0	0	0	0	0	0	0	0
52	BC	0	0	0	0	0	0	1	0	0
52	PP	0	0	0	0	0	1	1	0	0
55	RC	0	0	0	0	0	0	0	0	1
55	PP	1	0	0	0	0	0	0	0	0
56	CNF	0	0	0	0	0	0	0	0	1
56	PP	1	0	0	0	1	0	0	0	0
59	BC	0	1	0	0	0	0	0	0	0
59	PP	0	0	0	0	0	0	0	1	0
60	RC	1	0	0	0	1	0	0	0	0
60	PP	1	0	0	0	0	0	0	0	0
63	CNF	0	0	0	0	0	0	0	0	1
63	PP	0	0	0	0	0	0	1	0	0
64	SHAM	0	0	0	0	0	0	0	0	1
64	PP	1	0	0	0	0	0	0	0	0
67	RC	0	0	0	0	0	0	0	0	1
67	PP	1	0	0	0	0	0	1	0	0
68	CNF	0	0	0	0	1	0	0	0	0
68	PP	0	0	0	0	0	0	1	0	0
71	SHAM	0	0	0	0	0	0	0	0	1
71	PP	1	0	0	0	0	0	0	0	0
72	BC	0	0	0	0	0	0	0	0	1
72	PP	0	0	0	0	0	0	1	0	0
75	CNF	0	0	0	0	0	0	0	0	1
75	PP	0	1	0	0	0	0	0	0	0
76	SHAM	0	0	0	0	0	0	0	0	1
76	PP	0	0	0	0	0	0	1	0	0
79	BC	0	1	0	0	0	0	0	0	0
79	PP	0	1	0	0	0	0	0	0	0
80	RC	0	0	0	0	0	0	0	0	1
80	PP	0	1	0	0	0	0	0	0	0
		32	15	2	0	7	1	12	8	12

45	PP	0	0	0	0	0	0	1	0	0
46	BC	1	0	0	0	0	0	0	0	0
46	PP	1	0	0	0	0	0	0	0	0
49	CNF	0	0	0	1	0	0	0	0	0
49	PP	0	0	1	0	0	0	0	0	0
50	SHAM	0	0	0	0	0	0	0	1	0
50	PP	0	1	0	0	0	0	0	0	0
53	BC	1	0	0	0	0	0	0	0	0
53	PP	0	1	0	0	0	0	0	0	0
54	RC	1	0	0	0	0	0	0	0	0
54	PP	1	0	0	0	0	0	0	0	0
57	SHAM	1	0	0	0	0	0	0	0	0
57	PP	0	0	0	0	0	0	1	0	0
58	BC	0	1	0	0	0	0	0	0	0
58	PP	1	0	0	0	0	1	0	0	0
61	RC	1	0	0	0	0	0	0	0	0
61	PP	0	0	0	0	0	0	0	1	0
62	CNF	0	0	0	0	0	0	0	0	1
62	PP	0	0	0	0	0	0	0	0	1
65	BC	1	0	0	0	0	0	0	0	0
65	PP	1	0	0	0	0	0	0	0	0
66	RC	1	0	0	0	0	0	0	0	0
66	PP	1	0	0	0	0	0	0	0	0
69	CNF	0	1	0	0	0	0	0	0	0
69	PP	0	1	0	0	0	0	0	0	0
70	SHAM	1	0	0	0	0	0	0	0	0
70	PP	1	0	0	0	0	0	0	0	0
73	RC	1	0	0	0	0	0	0	0	0
73	PP	0	0	0	0	0	0	0	1	0
74	CNF	0	0	1	0	0	0	0	0	0
74	PP	0	1	0	0	0	0	0	0	0
77	SHAM	0	0	0	0	0	0	0	0	1
77	PP	1	0	0	0	0	0	0	0	0
78	BC	0	1	0	0	0	0	0	0	0
78	PP	0	1	0	0	0	0	0	0	0
		28	18	4	1	0	1	3	4	22

FBR = foreign body reaction

AI = acute inflammation

CI = chronic inflammation

GT = granulation tissue

RC = regenerated cellulose

BC = bacterial nanocellulose

CNF = 3-D-printed cellulose nanofibrils

SHAM = polydioxanone (PDS®, Johnson&Johnson, USA)

PP = polypropylene

Excluded = non-representative samples, technical processing issues, premature euthanasia (1) due to study-unrelated cause