

Supplementary Table S2—Results of mixed-effects model analysis for multiple comparisons corrected with Sidak multiple comparisons test to evaluate microscopic results (edema, hemorrhage, fibrin, neutrophilic infiltration, necrosis, and fibroblast proliferation) for punch biopsy samples obtained on days 4, 8, and 14 from the NPWT-treated wounds versus control wounds of the dogs described in Supplementary Table S1.

	Day	NPWT Median (IQ25-IQ75)	Control Median (IQ25-IQ75)	Mean Diff. (95% CI of Diff)	P value NPWT vs Control
Edema	D4	2 (1-2)	3 (3-4)	-1.8 (-2.58 to -1.01)	0.002
	D8	3 (2-3)	3 (2-3)	-0.6 (-2.17 to 0.97)	0.503
	D14	2 (1.75-2.25)	2.5 (2-3.25)	-0.75 (-3.78 to 2.87)	0.684
Hemorrhage	D4	1 (1-2)	2 (2-3)	-1.0 (-2.24 to -0.24)	0.098
	D8	1 (1-1)	1 (1-2)	-0.2 (-2.13 to -1.73)	0.974
	D14	1 (1-1)	1 (1-1)	0.0 (0.0 to 0.0)	> 0.999
Fibrin	D4	2 (1-3)	4 (4-4)	-2.0 (-3.76 to -0.23)	0.032
	D8	3 (2-3)	2 (2-3)	-0.2 (-3.09 to 2.69)	0.991
	D14	2 (1.75-2)	1 (1-1.25)	0.5 (-0.89 to 1.89)	0.452
Neutrophilic infiltration	D4	1 (1-2)	4 (4-4)	-2.6 (-4.17 to -1.02)	0.008
	D8	2 (2-3)	3 (3-3)	-0.2 (-2.49 to 2.90)	0.984
	D14	2 (1.75-2.25)	2.5 (2-3)	-0.5 (-1.89 to 0.89)	0.452
Necrosis	D4	1 (1-1)	3 (3-4)	-2.2 (-4.49 to 0.09)	0.057
	D8	2 (2-2)	2 (1-2)	0.0 (-1.76 to 1.76)	0.999
	D14	1 (1-1)	1.5 (1-2)	-0.5 (-1.89 to 0.89)	0.452
Fibroblast proliferation	D4	0 (0-0)	0 (0-0)	0.2 (-0.58 to 0.98)	0.754
	D8	3 (2-3)	3 (2-4)	-0.6 (-3.54 to 2.34)	0.849
	D14	3 (2.75-3)	4 (4-4)	-1.25 (-2.45 to -0.04)	0.045