

**Supplementary Table S1**—Results of 1-way ANOVA corrected with the Sidak multiple comparisons test to compare the results for open wound area (cm<sup>2</sup>), total wound area (cm<sup>2</sup>), wound contraction (%), and wound epithelialization (%) for 2 cm X 2 cm full-thickness cutaneous wounds surgically created, 1 on the lateral aspect of each hemithorax, in 3-year-old spayed female Beagles (n = 5) and treated with either the use of a single-use canister-free negative-pressure wound therapy (NPWT) device (PICO™ 1.6, Smith & Nephew Medical Limited; left side) or conventional wound treatment protocol (control wounds; right side) in a preliminary clinical trial conducted between March 28 and July 31, 2017.

	Day	NPWT Median (Range)	Control Median (Range)	Mean Diff. (95% CI of Diff)	P value NPWT vs Control
<b>Open wound area (cm<sup>2</sup>)</b>	D0	6.84 (6.4 to 7.42)	7.29 (6.54 to 8.29)	-0.33 (-1.79 to 1.12)	0.997
	D2	6.89 (5.92 to 7.35)	7.45 (6.25 to 8.08)	-0.46 (-1.92 to 0.99)	0.977
	D4	7.20 (5.99 to 7.45)	6.54 (5.35 to 8.27)	0.21 (-1.25 to 1.67)	> 0.999
	D6	7.18 (5.79 to 8.12)	6.42 (5.44 to 7.85)	0.56 (-0.89 to 2.02)	0.930
	D8	6.66 (6.02 to 7.78)	4.01 (3.73 to 6.24)	2.17 (0.71 to 3.63)	< <b>0.001</b>
	D10	6.13 (5.52 to 7.89)	3.13 (1.94 to 4.09)	3.50 (2.04 to 4.96)	< <b>0.001</b>
	D12	5.64 (4.55 to 7.56)	2.04 (1.09 to 2.82)	3.62 (2.16 to 5.07)	< <b>0.001</b>
	D14	4.45 (4.23 to 6.06)	1.32 (0.81 to 1.64)	3.49 (2.03 to 4.95)	< <b>0.001</b>
<b>Total wound area (cm<sup>2</sup>)</b>	D0	6.84 (6.40 to 7.42)	7.29 (6.54 to 8.23)	-0.33 (-1.79 to 1.13)	0.997
	D2	6.89 (5.92 to 7.35)	7.45 (6.25 to 8.08)	-0.46 (-1.92 to 1.01)	0.978
	D4	7.20 (6.05 to 7.45)	6.54 (5.48 to 8.73)	0.20 (-1.26 to 1.67)	> 0.999
	D6	7.59 (6.15 to 8.47)	6.86 (5.44 to 8.23)	0.62 (-0.84 to 2.09)	0.880
	D8	7.40 (6.50 to 8.30)	4.49 (3.87 to 6.66)	2.41 (0.94 to 3.87)	< <b>0.001</b>
	D10	7.39 (6.15 to 8.55)	3.59 (2.88 to 4.64)	3.65 (2.19 to 5.12)	< <b>0.001</b>
	D12	6.50 (5.32 to 8.08)	2.54 (1.94 to 2.49)	3.75 (2.29 to 5.23)	< <b>0.001</b>
	D14	5.28 (4.92 to 6.73)	2.02 (1.97 to 2.49)	3.43 (1.96 to 4.89)	< <b>0.001</b>
<b>Contraction (%)</b>	D2	3.09 (-4.58 to 7.50)	4.47 (-10.73 to 5.50)	1.95 (-19.37 to 23.28)	> 0.999
	D4	2.93 (-10.24 to 12.55)	14.54 (-13.38 to 21.69)	-7.04 (-28.36 to 14.29)	0.957
	D6	-6.81 (-23.85 to 7.97)	9.76 (-12.85 to 24.54)	-12.97 (-34.29 to 8.35)	0.506
	D8	-6.27 (-21.36 to 10.98)	31.28 (8.64 to 49.79)	-37.72 (-59.05 to -16.46)	< <b>0.001</b>
	D10	-9.37 (-24.99 to 15.99)	53.10 (36.49 to 65.29)	-54.27 (-75.60 to -34.34)	< <b>0.001</b>
	D12	7.89 (-18.13 to 28.30)	61.32 (52.32 to 76.63)	-55.67 (-76.99 to -34.34)	< <b>0.001</b>
	D14	20.89 (1.62 to 29.93)	70.52 (62.38 to 75.61)	-50.47 (-71.79 to -29.15)	< <b>0.001</b>
<b>Epithelialization (%)</b>	D2	0.0 (0.0 to 0.0)	0.0 (0.0 to 0.0)	0.0 (-13.13 to 13.13)	> 0.999
	D4	0.0 (0.0 to 1.02)	0.0 (0.0 to 1.52)	-0.10 (-13.23 to 13.03)	> 0.999
	D6	5.39 (0.0 to 6.29)	4.65 (0.0 to 6.42)	0.76 (-12.37 to 13.89)	> 0.999
	D8	8.63 (6.28 to 9.97)	6.34 (3.51 to 13.20)	1.029 (-12.10 to -14.16)	> 0.999
	D10	10.89 (7.64 to 17.12)	13.68 (11.77 to 37.08)	-7.65 (-20.78 to 5.483)	0.559
	D12	14.54 (6.41 to 17.32)	17.67 (14.42 to 56.93)	-12.57 (-25.69 to 56.36)	0.068
	D14	17.98 (9.30 to 19.34)	34.3 (25.69 to 67.0)	-25.13 (-38.26 to -12.0)	< <b>0.001</b>