

Supplementary Table 2*Fixed Effects by Parameter and Effect*

Parameter	Effect	<i>F</i>	df ₁	df ₂	<i>p</i>
Stress score	Corrected model	2.147	7	77	.048
	Car session	2.039	1	39	.161
	Condition	0.956	3	49	.421
	Car session * Condition	2.398	3	44	.149
Holistic stress score	Corrected model	3.940	7	68	.001
	Car session	7.649	1	46	.008
	Condition	1.798	3	44	.161
	Car session * Condition	3.625	3	47	.020
Gazing at owner	Corrected model	19.119	7	70	< .001
	Car session	15.352	1	33	< .001
	Condition	13.875	3	45	< .001
	Car session * Condition	0.914	3	39	.443

Owner proximity	Corrected model	3.672	7	65	.002
	Car session	0.009	1	29	.925
	Condition	3.879	3	36	.017
	Car session * Condition	4.657	3	34	.008
Gazing at car	Corrected model	7.687	7	59	< .001
	Car session	26.486	1	28	< .001
	Condition	1.811	3	28	.168
	Car session * Condition	4.163	3	39	.012
Car proximity	Corrected model	8.788	7	64	< .001
	Car session	10.226	1	40	.003
	Condition	6.755	3	40	.001
	Car session * Condition	2.930	3	41	.045

Supplementary Table 3

Numerical data by Phase and Condition

Phase 1				
Parameter	Control (n = 12)	Calming (n = 12)	Approach (n = 12)	Treats (n = 12)
Stress Score	EMM: 12.83 SE: 1.57 95% CI: [10.08, 16.35]	EMM: 9.17 SE: 1.69 95% CI: [6.36, 13.23]	EMM: 11.33 SE: 2.16 95% CI: [7.76, 16.56]	EMM: 7.00 SE: 1.78 95% CI: [4.21, 11.65]
Holistic Stress Score	EMM: 1.08 SE: 0.14 95% CI: [0.80, 1.37]	EMM: 0.92 SE: 0.25 95% CI: [0.41, 1.42]	EMM: 1.59 SE: 0.25 95% CI: [1.08, 2.08]	EMM: 0.58 SE: 0.28 95% CI: [0.02, 1.14]
Gazing at owner	EMM: 2.17 ^a SE: 0.33 95% CI: [1.60, 2.93]	EMM: 6.92 ^c SE: 0.93 95% CI: [5.29, 9.04]	EMM: 8.83 ^{bc} SE: 0.93 95% CI: [7.17, 10.88]	EMM: 10.67 ^b SE: 0.72 95% CI: [9.33, 12.20]
Owner proximity	EMM: 5.83 ^a SE: 1.03 95% CI: [4.06, 8.39]	EMM: 8.58 SE: 1.04 95% CI: [6.75, 10.91]	EMM: 9.17 SE: 0.82 95% CI: [7.67, 10.96]	EMM: 11.17 ^b SE: 0.51 95% CI: [10.20, 12.23]
Gazing at car	EMM: 8.42 SE: 1.15 95% CI: [6.42, 11.03]	EMM: 8.25 SE: 0.97 95% CI: [6.54, 10.41]	EMM: 10.75 ^a SE: 0.38 95% CI: [10.04, 11.52]	EMM: 5.42 ^b SE: 1.13 95% CI: [3.48, 8.43]

Car proximity	EMM: 1.75 ^b SE: 0.73 95% CI: [0.77, 4.00]	EMM: 2.25 ^b SE: 0.93 95% CI: [0.96, 5.30]	EMM: 7.33 ^a SE: 1.14 95% CI: [5.39, 9.98]	EMM: 0.33 ^b SE: 0.22 95% CI: [0.09, 1.20]
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Phase 2

Parameter	Control (n = 12)	Calming (n = 12)	Approach (n = 12)	Treats (n = 12)
Stress Score	EMM: 10.58 SE: 2.49 95% CI: [6.62, 16.91]	EMM: 7.67 SE: 2.26 95% CI: [4.20, 14.00]	EMM: 7.08 SE: 1.59 95% CI: [4.53, 11.08]	EMM: 8.67 SE: 1.94 95% CI: [5.54, 13.57]
Holistic Stress Score	EMM: 0.75 SE: 0.172 95% CI: [0.41, 1.09]	EMM: 1.0 SE: 0.264 95% CI: [0.47, 1.53]	EMM: 0.667* SE: 0.180 95% CI: [0.31, 1.02]	EMM: 0.5 SE: 0.144 95% CI: [0.21, 0.79]
Gazing at owner	EMM: 2.00 ^a SE: 0.62 95% CI: [1.06, 3.77]	EMM: 3.33 ^{ab*} SE: 0.87 95% CI: [1.95, 5.69]	EMM: 5.33 ^{b*} SE: 0.97 95% CI: [3.70, 7.68]	EMM: 6.67 ^{c*} SE: 1.12 95% CI: [4.79, 9.32]
Owner proximity	EMM: 8.67* SE: 1.38 95% CI: [6.26, 12.00]	EMM: 6.92 SE: 1.32 95% CI: [4.68, 10.26]	EMM: 8.42 SE: 1.47 95% CI: [5.89, 12.03]	EMM: 10.42 SE: 0.71 95% CI: [9.09, 11.93]
Gazing at car	EMM: 7.42 SE: 0.71	EMM: 5.08* SE: 1.11	EMM: 3.67* SE: 0.96	EMM: 4.50 SE: 1.03

	95% CI: [6.13, 8.98]	95% CI: [3.27, 7.89]	95% CI: [2.10, 6.40]	95% CI: [2.77, 7.30]
Car proximity	EMM: 0.25*	EMM: 1.25*	EMM: 1.67*	EMM: 0.50
	SE: 0.17	SE: 0.81	SE: 0.92	SE: 0.25
	95% CI: [0.06, 0.98]	95% CI: [0.32, 4.84]	95% CI: [0.54, 5.20]	95% CI: [0.19, 1.35]

EMM = estimated marginal mean; SE = standard error; 95% CI = 95% confidence interval.

Different letters indicate significant differences between conditions within a given phase, whereas asterisks indicate significant differences between phases within a given condition.