

Table 4: Results of Kruskal Wallis and Mann Whitney U tests, comparing variables between treatment groups

Test Variable	Day	Mean (and Std. Error)			P value for Kruskal Wallis test	P value for Mann Whitney U test
		Blindfold	Swaddling	Control		
Capture						
Latency to capture (seconds)	1	80.83 (21.376)	75.85 (16.048)	90.82 (25.276)	0.902	
	5	43.58 (9.294)	55.85 (9.669)	65.82 (11.311)	0.289	
Change in latency to capture (seconds)		-29.43 (15.094)	-10.13 (20.371)	-25.00 (26.223)	0.922	
Novel Arena (with marked squares for observing movement)						
Number of squares moved into	1	8.08 (1.644)	5.15 (1.484)	12.27 (2.479)	0.022	0.012 (Swaddling & Control)
	5	5.00 (0.862)	5.00 (1.585)	3.91 (0.707)	0.550	
Change in number of squares moved in to		-3.86 (1.217)	-0.50 (1.020)	-8.36 (2.721)	0.037	0.017 (Swaddling & Control)
Number of positive behaviours observed when alone in the novel arena	1	2.58 (0.193)	1.92 (0.211)	2.55 (0.167)	0.043	0.047 (Swaddling & Control) 0.029 (Blindfold & Swaddling)
	5	2.42 (0.260)	1.69 (0.237)	2.36 (0.244)	0.080	
Pre-treatment proximity to carrot (1 = furthest; 5 = contact)						
Proximity to carrot (1 to 5; 5 = contact)	1	2.75 (0.351)	2.69 (0.365)	2.91 (0.456)	0.911	
	5	2.67 (0.414)	2.77 (0.378)	3.18 (0.400)	0.510	
Change in proximity		-0.08	0.08	0.27	0.341	

		(0.557)	(0.415)	(0.557)		
Treatment Application						
Time taken to apply treatment	1	48.42 (4.461)	40.77 (4.160)	79.82 (20.834)	0.034	0.011 (Swaddling & Control)
	5	38.67 (2.343)	39.69 (7.294)	41.45 (2.681)	0.156	
Negativity of response to application of treatment	1	1.33 (0.256)	1.15 (0.191)	1.00 (0.000)	0.335	
	5	0.92 (0.149)	1.08 (0.137)	1.18 (0.122)	0.413	
Handling						
Positivity of response to handling (0 to 4; 4 = most positive)	1	2.50 (0.195)	2.31 (0.365)	1.91 (0.392)	0.294	
	5	2.00 (0.302)	2.62 (0.266)	1.55 (0.390)	0.037	0.033 (Swaddling & Control) 0.022 (Blindfold & Swaddling)
Change in positivity		-0.50 (0.337)	0.31 (0.308)	-0.36 (0.310)	0.252	
Level of restraint required (0 to 4; 0 = least restraint)	1	2.08 (0.229)	1.54 (0.144)	2.18 (0.263)	0.072	
	5	1.67 (0.225)	1.38 (0.140)	2.00 (0.191)	0.059	
Change in restraint		-0.42 (0.288)	-0.15 (0.191)	-0.18 (0.263)	0.790	
Heart rate (beats per minute)	1	213.33 (5.817)	225.38 (5.385)	211.82 (9.517)	0.535	
	5	215.83 (5.568)	213.85 (4.317)	208.18 (5.012)		
Change in heart rate		2.50 (6.643)	-11.54 (5.529)	-3.64 (8.767)	0.535	
Respiratory rate (breaths per minute)	1	151.67 (7.671)	144.62 (11.855)	155.45 (11.067)	0.423	

	5	139.17 (8.299)	141.54 (12.134)	160.91 (11.237)		
Change in respiratory rate		-12.50 (10.160)	-3.08 (10.277)	5.45 (15.513)	0.881	
Post-treatment proximity to carrot						
Proximity to carrot (1 to 5; 5 = contact)	1	2.17 (0.366)	3.08 (0.309)	3.09 (0.415)	0.099	
	5	3.67 (0.376)	2.54 (0.215)	3.73 (0.304)	0.020	0.005 (Swaddling & Control)
Change in proximity		1.50 (0.417)	-0.54 (0.462)	0.64 (0.527)	0.031	0.008 (Blindfold & Swaddling)
Change in proximity to carrot before and after treatment Day 1		-0.58 (0.468)	0.38 (0.385)	0.18 (0.711)	0.341	
Change in proximity to carrot before and after treatment Day 5		1.00 (0.389)	-0.23 (0.389)	0.55 (0.337)	0.237	
Number of escape attempts Day 1		0.17 (0.167)	0.54 (0.243)	2.00 (0.726)	0.024	0.015 (Blindfold & Control)
Number of escape attempts Day 5		0.50 (0.261)	0.23 (0.166)	0.55 (0.282)	0.446	
Change in number of escape attempts		0.29 (0.286)	-0.29 (0.244)	-1.45 (0.731)	0.077	