

Online Supplementary Material to:

# Preoperative low level laser therapy in dogs undergoing tibial plateau leveling osteotomy: A blinded, prospective, randomized clinical trial

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**Appendix Table 1: Outcomes Assessment for Laser and Sham Groups**

		Sham	Laser (LLLT)
Peak Vertical Force (% BW)	Preop	23.8 ± 3.6	26.3 ± 3.7
	24 Hours	20.0 ± 11.3	28.9 ± 15.7
	2 Weeks	30.2 ± 13.1	28.8 ± 13.1
	8 Weeks	28.9 ± 2.6	39.6 ± 4.7**
Vertical Impulse (%BW*seconds)	Preop	6.0 ± 0.8	8.6 ± 1.6
	24 Hours	3.4 ± 2.0	5.1 ± 2.7
	2 Weeks	8.1 ± 2.9	6.5 ± 3.7
	8 Weeks	9.0 ± 1.4	9.8 ± 1.0
Lameness Score (Scale of 0 to4)	Preop	2.6 ± 0.8	2.7 ± 0.5
	24 Hours	2.8 ± 0.9	3.0 ± 1.0
	2 Weeks	1.9 ± 1.1	1.6 ± 1.2
	8 Weeks	1.3 ± 1.2	0.3 ± 0.6
Movement Score (Scale of 0-2)	Preop	1.0 ± 0.5	0.7 ± 0.5
	24 Hours	0.4 ± 0.5	0.9 ± 0.4
	2 Weeks	0.4 ± 0.5	0.4 ± 0.5
	8 Weeks	0.0 ± 0.0	0.0 ± 0.0
Behaviour Score (Scale of 0-3)	Preop	1.5 ± 0.9	1.3 ± 1.0
	24 Hours	0.7 ± 1.1	1.0 ± 0.8
	2 Weeks	0.1 ± 0.4	0.3 ± 0.5

	8 Weeks	0.3 ± 0.5	0.0 ± 0.0
Response to Manipulation (Scale of 0-3)	Preop	1.8 ± 0.6	1.8 ± 0.4
	24 Hours	1.0 ± 1.2	1.7 ± 0.8
	2 Weeks	0.75 ± 1.0	0.6 ± 0.7
	8 Weeks	0.5 ± 1.1	0.0 ± 0.0
% of Dogs with Complete Osteotomy Healing	Preop	NA	NA
	24 Hours	0	0
	8 Weeks	25	62.5

BW = body weight; preop = preoperative; LLLT = low-level laser therapy; NA = not applicable.