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A pilot study on surgical trimming impact on severely overgrown claws in sheep: behavioral, physiological and ruminal function aspects

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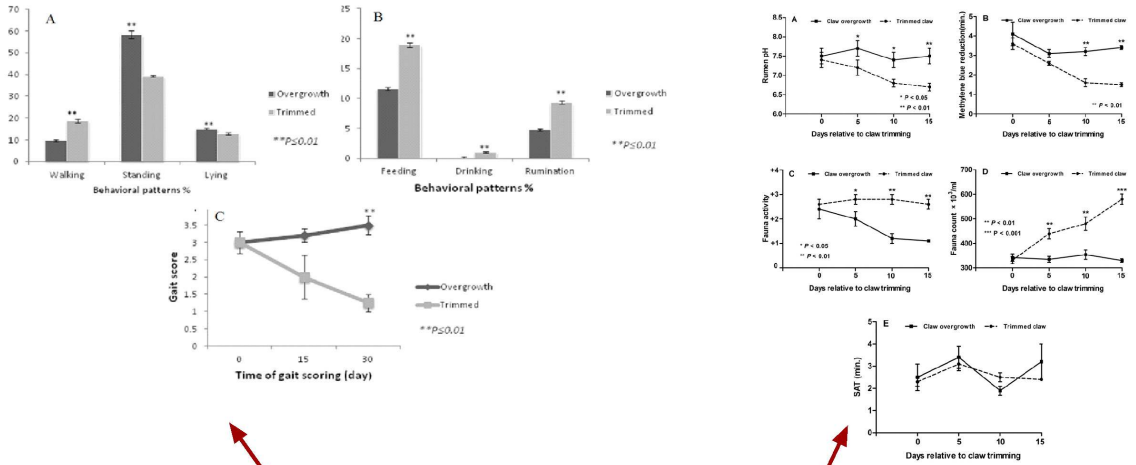
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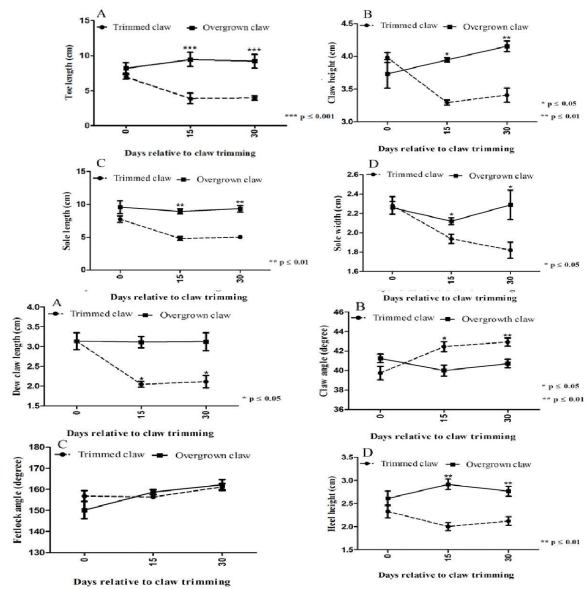
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Posture and locomotion	Scale						
	0	1	2	3	4	5	6
Bears weight evenly on all four feet	?	?	?	?	?	?	?
Uneven posture, but no clear shortening of stride	?	?	?	?	?	?	?
Short stride on one leg compared with others	?	?	?	?	?	?	?
Visible nodding of head in time with short stride	?	?	?	?	?	?	?
Excessive flicking of head, more than nodding, in time with	?	?	?	?	?	?	?
Not weight bearing on affected limb when standing	?	?	?	?	?	?	?
Discomfort when moving	?	?	?	?	?	?	?
Not weight bearing on affected limb when moving	?	?	?	?	?	?	?
Extreme difficulty rising	?	?	?	?	?	?	?
Reluctant to move once standing	?	?	?	?	?	?	?
More than one limb affected	?	?	?	?	?	?	?
Will not stand or move	?	?	?	?	?	?	?

Group/Time	Day 0			Day 15			Day 30		
	Trimmed	Claw overgrowth	P value	Trimmed	Claw overgrowth	P value	Trimmed	Claw overgrowth	P value
Point Parameter									
RBC count (10 ⁹ /L)	10.25±0.80	11.30±0.32	0.276	9.41±0.21	11.94±0.16	0.000	9.50±0.17	11.54±0.18	0.000
HCT (%)	29.8±1.80	31.1±0.86	0.544	28.15±1.04	33.00±0.37	0.002	27.00±0.24	32.72±0.41	0.000
HGB (g/dl)	11.54±0.73	12.64±0.29	0.198	10.82±0.32	12.82±0.31	0.003	10.93±0.32	12.80±0.19	0.001
MCHC (g/dl)	35.74±1.48	40.66±0.76	0.059	38.70±0.44	40.20±0.44	0.042	38.78±0.46	40.46±0.57	0.050
MCHC count (10 ¹² /L)	3.80±0.40	3.65±0.62	0.531	3.74±0.46	3.48±0.30	0.649	3.94±0.50	3.84±0.44	0.884
Lymphocyte count (10 ⁹ /L)	3.80±0.30	3.40±0.28	0.356	3.52±0.30	3.92±0.30	0.261	3.94±0.21	2.82±0.32	0.002
NEC (%)	0.83±0.06	1.08±0.17	0.206	1.09±0.16	1.20±0.16	0.649	1.92±0.17	1.50±0.33	0.048

Group/Time	Day 0			Day 15			Day 30		
	Trimmed	Claw overgrowth	P value	Trimmed	Claw overgrowth	P value	Trimmed	Claw overgrowth	P value
Point Parameter									
Cortisol (µg/dl)	12.72±0.65	13.15±0.44	0.600	12.60±0.49	16.92±0.84	0.002	10.24±0.30	17.50±0.42	0.000
Cholesterol (mg/dl)	67.40±1.47	65.00±1.64	0.308	67.80±5.64	69.40±6.64	0.859	81.00±3.52	70.00±2.88	0.041
Lactate (mg/dl)	19.20±0.66	31.00±1.79	0.197	9.80±1.29	40.70±9.15	0.011	13.00±0.84	25.20±4.37	0.025
TNF-α (ng/ml)	174.20±10.23	177.40±14.72	0.863	164.60±4.23	174.24±6.65	0.386	157.00±1.17	178.00±2.21	0.000
Ca (µg/dl)	3.62±0.15	4.00±0.11	0.078	3.92±0.08	3.50±0.12	0.019	3.56±0.17	3.54±0.09	0.945



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