



Supplementary Material

The Effect of Chemical and Surgical Castration on the Live Weight Gain and some Hormones of Male Norduz Sheep

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Supplementary Table SI.- Control group correlations.

	Live weight	Leptin	Ghrelin	Testosteron	TSH	Growth hormone
Live weight	1.000	0.473 0.026	0.371 0.088	0.293 0.185	0.264 0.234	0.060 0.789
Leptin	0.473 0.026	1.000	0.524 0.010	0.689 0.0003	0.682 0.0003	0.163 0.469
Ghrelin	0.371 0.088	0.524 0.010	1.0000	0.446 0.032	0.773 <.0001	0.560 0.007
Testosteron	0.293 0.185	0.689 0.0003	0.446 0.032	1.000	0.620 0.002	0.324 0.141
TSH	0.264 0.234	0.682 0.0003	0.773 <.0001	0.620 0.0016	1.000	0.275 0.215
Growth hormone	0.060 0.789	0.162 0.469	0.560 0.007	0.324 0.141	0.275 0.215	1.000

Supplementary Table SII.- Surgical group correlations.

	Live weight	Leptin	Ghrelin	Testosteron	TSH	Growth hormone
Live weight	1.000	0.152 0.508	-0.08 0.7307	0.391 0.0790	0.323 0.152	0.113 0.627
Leptin	0.152 0.508	1.000	0.444 0.033	0.422 0.044	0.383 0.071	0.330 0.123
Ghrelin	-0.080 0.730	0.444 0.033	1.000	0.512 0.012	0.23424 0.2823	0.440 0.035
Testosterone	0.391 0.079	0.422 0.044	0.51229 0.0124	1.000	0.594 0.002	0.275 0.202
TSH	0.323 0.152	0.383 0.071	0.234 0.282	0.594 0.002	1.000	0.320 0.136
Growth hormone	0.112 0.627	0.330 0.123	0.440 0.035	0.275 0.202	0.320 0.136	1.000

Supplementary Table SIII. Formal group correlations.

	Live weight	Leptin	Ghrelin	Testosteron	TSH	Growth hormone
Live weight	1.000	-0.036 0.878	-0.012 0.958	-0.186 0.431	-0.056 0.813	-0.470 0.036
Leptin	-0.036 0.878	1.000	0.406 0.060	0.424 0.048	0.788 0.001	0.402 0.063
Ghrelin	-0.012 0.958	0.406 0.060	1.000	0.374 0.085	0.475 0.025	0.205 0.359
Testosterone	-0.186 0.431	0.424 0.048	0.374 0.085	1.000	0.581 0.004	0.409 0.058
TSH	-0.056 0.813	0.788 0.001	0.475 0.025	0.581 0.004	1.000	0.326 0.138
Growth hormone	-0.470 0.036	0.402 0.063	0.205 0.359	0.409 0.058	0.326 0.138	1.000

Supplementary Table SIV.- General correlation.

	Live weight	Leptin	Ghrelin	Testosterone	TSH	Growth hormone
Live weight	1.000	0.211 0.095	0.165 0.195	0.290 0.020	0.100 0.433	-0.096 0.453
Leptin	0.211 0.095	1.000	0.470 0.001	0.527 0.001	0.630 0.001	0.358 0.002
Ghrelin	0.165 0.195	0.470 0.001	1.000	0.485 0.001	0.418 0.0004	0.383 0.001
Testosterone	0.290 0.020	0.527 0.001	0.485 0.001	1.000	0.546 0.001	0.383 0.001
TSH	0.100 0.433	0.630 0.001	0.418 0.0004	0.546 0.001	1.000	0.358 0.002
Growth hormone	-0.096 0.453	0.358 0.002	0.383 0.001	0.383 0.001	0.358 0.002	1.000