

**THE INFLUENCE OF SEX AND CARCASS WEIGHT ON
CARCASS COMPOSITION OF SERRANA KIDS****S. Rodrigues, V. Cadavez, R. Delfa, A. Teixeira***Objective*

The objective of this work was to analyse the effect of sex, and carcass weight on carcass quality of Portuguese Serrano kids.

Experimental Setup

Animals	31 male and 29 female Serrano kids
Slaughter	After 24-h fast at commercial slaughterhouse.
KKCF	Removed and weighted separately.
Tissues	Muscle - M Subcutaneous fat - SF Inter-muscular fat - IF Bone - B
Tissues Ratios	M/B M/TF SF/TF
Data analysis	Mixed models Procedure Turkey's pairwise test



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Results

	Sex		Weight			Principal effect	
	Females	Males	4kg	6kg	8kg	Sex	Weight
Muscle	58.4±0.52	58.9±0.50	58.1±0.63	59.7±0.63	58.2±0.63		
SF	4.8±0.19	4.5±0.19	4.1b±0.23	4.4b±0.23	5.5a±0.23		***
IF	9.2a±0.26	8.0b±0.25	7.8b±0.31	8.5ab±0.31	9.5a±0.31	**	**
Bone	20.2b±0.24	21.7a±0.23	23.2a±0.28	20.7b±0.28	18.9c±0.28	***	***
KKCF	3.8a±0.26	3.0b±0.25	3.1ab±0.31	2.9b±0.31	4.1a±0.31	*	*
M/B	2.94a±0.041	2.73b±0.039	2.51c±0.049	2.89b±0.049	3.10a±0.049	***	***
M/TF	3.46b±0.174	4.01a±0.168	4.03a±0.210	3.97a±0.209	3.19b±0.209	*	**
SF/TF	0.27±0.008	0.29±0.008	0.27±0.009	0.28±0.09	0.29±0.009		

Least squares means standard error

a, b, c - means in the same row with different letters are significantly different. * - $P < 0.05$,

** - $P < 0.01$, *** - $P < 0.001$.

Final remarks

At the carcass weight range studied, females presented higher IF, KKCF, and smaller B proportions, higher M/B, and smaller M/TF ratios than male. Fat depots increased, and bone proportion decreased with carcass weight increasing. M/B ratio increased, and M/TF ratio decreased with carcass weight increasing.

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UTJECAJ SPOLA I TEŽINE POLOVICA NA KAKVOĆU POLOVICA PORTUGALSKIH SERRANA KOZLIĆA

Sažetak

Cilj rada bio je analizirati djelovanje spola i težine polovica na kakvoću polovica portugalskih Serrano kozlića.

Na nizu proučavanih težina polovica ženke su pokazale više omjere IF, KKCF i manje omjere B, više omjere M/B i manje omjere M/TF nego mužjaci. Naslage masti su se povećale a omjeri kosti smanjili s povećanjem težine polovica. Omjer M/B se povećao a omjer M/TF smanjio s povećanjem težine polovica.

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