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Effect of Age and Sex on Serum proteins, Urea Nitrogen and Transaminase Concentrations in Ethiopian Highland Sheep

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ABSTRACT

The influence of age and sex on the serum concentrations of total protein (TP), immunoglobulin (lg), blood urea nitrogen (BUN), aspartate aminotransferase (AST) and alanine amino-transferase (ALT) were investigated in Ethiopian highland sheep. Males had significantly ($P<0.05$) higher concentrations than females. One to two-months-old sheep had significantly lower TP ($P<0.05$) and Ig ($P<0.01$) concentrations than other age groups. ln sheep above four months of age, males had l significantly ($P<0.01$) higher lg concentrations than females. Neither age nor sex significantly ($P>0.05$) affected BUN concentrations. Sex had no significant ($P>0.05$) effect on AST and ALT concentrations. Significantly ($P<0.01$) elevated AST and AL T concentrations were measured in the age groups of one to four months and one to two months respectively. These findings may aid the interpretation of values of the studied parameters which are obtained during the process of clinical diagnosis.

Keyword