

EFFECT OF BODY CONDITION SCORE ON SOME BLOOD PARAMETERS FOR ANEMIA LEVEL IN GOATS

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Abstract: The objective of this study was to determine the effect of body condition on some blood parameters for anemia. For this purpose, the relationship between BCS groups and the level of anemia by FAMACHA© Chart scores were examined in one intensive and two semi intensive farm conditions. BCS results were compared to volumes of RBC, HGB, HCT, MCV, MCH and MCHC. Effect of BCS on live weight was found statistically significant. A negative and high correlation (-0,559) between BCS and FAMACHA© Chart score was also found statistically significant. Effect of BCS on some blood parameters; (RBC, HGB, HCT) was found statistically significant (P<0.001 and P<0.05). The more BCS increased the more RBC, HGP, HCT increased. It could be said that goats kept under better care and feeding conditions could have good BCS scores, and could be more resistant to anemia factors.

Keywords: BCS, anemia, FAMACHA Chart scores, goats.