

الايه

قال تعالى:

يَرْفَعِ اللَّهُ الَّذِينَ آمَنُوا مِنْكُمْ وَالَّذِينَ أُوتُوا الْعِلْمَ دَرَجَاتٍ {

المجادلة:11

Dedication

We dedicate this work to our parents who have striven to shape our lives in the best way. We also dedicate this work to everyone that helped us during the course of this research.

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First of all, we thank Allah for his abundant blessings and making this research easy for us. Second, we whole-heartedly thank our amazing supervisor Dr. Rand Amin Basheer for her tremendous and productive advice throughout our research .Third, we extend our heartfelt thanks to Dr Mohamed Ahmed, the owner of the Boer goats, for his unwavering support during our study.. Fourth, we wish to express our utmost gratitude to Dr. Mohamed Sayyid Alkhalefa, and Drs. Sheima for their help and suggestion. And last but not least, we thank the University of Sudan Science And Technology for supporting and financing this work.

Abstract

This study was conducted in the center of Animal Production which is located in Hilla Kuku (east Nile) Khartoum state, from March to October, 2016. Thirty female non pregnant, non-lactating Boer goats were randomly selected with an average age (4-7years), and average body weight (35-40) kg.

The objective of this study is to determine some hematological and some clinical parameters of Boer goats in Sudan through measurement of some blood constituents: (RBCs count $10^6/\mu\text{l}$) (10.22 ± 2.51), hemoglobin concentration (Hb mg/dl) (8.52 ± 1.11), packed cell volume (PCV %)(24.54 ± 4.88), mean corpuscular volume (MCVfl) (38.55 ± 7.73), mean corpuscular hemoglobin (MCH pg) (6.01 ± 0.27) and mean corpuscular hemoglobin concentration (MCHC %) (39.13 ± 8.13) and total leukocytes count(TLC $10^3/\mu\text{l}$) (14.44 ± 2.35) and clinical parameters of rectal temperature (RT) (39), respiration rate (RR) (28.30 ± 1.72), pulse rate(PR) (77.80 ± 7.47) and heart rate (HR) (77.40 ± 6.21) were carried out using Assymyx auto-analyzer. Findings from this study showed that both the some hematological and the some clinical parameters measured were in normal range.

ملخص الاطروحه

وقد أجريت هذه الدراسة في المركز الانتاج الحيوانات الذي يقع في الحلة كوكو في شرق النيل ولاية الخرطوم، من مارس إلى أكتوبر، 2016. وقد تم اختيار ثلاثين ماعز بوير إناث غير حوامل وغير مرضعات بشكل عشوائي يبلغ متوسط أعمارهم (7-4سنة)، ومتوسط وزن الجسم (35-40) كغ.

الهدف من هذه الدراسة هو تحديد بعض القياسات الدم والسريرية لماعز البوير في السودان من خلال قياس بعض مكونات الدم: عدد كرات الدم الحمراء (RBCs Count) ($10^6/\mu\text{l}$) (10.22 ± 2.51) وتركيز الهيموقلوبين (خضاب الدم) (mg/dl Hg) (8.52 ± 1.11) ، وحجم الخلية المعبأة (PCV %) (24.54 ± 4.88) ، ومتوسط حجم الكرية الحمراء (fL MCV) (38.55 ± 7.73) ، هيموقلوبين الكرية الوسط (pgMCH) (6.01 ± 0.27) تركيز الهيموقلوبين في الكرية الوسطى (MCHC %) (39.13 ± 8.13) والاختلافات في عدد كريات الدم البيضاء ($10^3/\mu\text{l/TLC}$) (14.44 ± 2.35) وبعض القياسات السريرية لدرجة حرارة الجسم (RT) (40.00 ± 0.44)، ومعدل التنفس (RR) (28.30 ± 1.72)، ومعدل النبض (PR) (77.80 ± 7.47) ومعدل ضربات القلب (HR) (77.40 ± 6.21) نفذت تبعاً لإجراءات القياسية وأظهرت النتائج المستخلصة من هذه الدراسة أن بعض القياسات الدم السريرية تقع في المدى عادى.

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