

## عنوان مقاله:

A biometric study of the digestive tract of one-humped camel (Camelus dromedarius) fetuses

## محل انتشار:

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## نویسندگان:

A Bello - Department of Veterinary Anatomy, Usmanu Danfodiyo University, Sokoto, Nigeria

B.I Onyeanusu - Department of Veterinary Anatomy, Ahmadu Bello University Zaria

M.L Sonfada - Department of Veterinary Anatomy, Usmanu Danfodiyo University, Sokoto, Nigeria

J.B Adeyanju - Department of veterinary medicine, surgery and Theriogenology, Usmanu Danfodiyo University, Sokoto, Nigeria

## خلاصه مقاله:

A Biometrical study was conducted on the digestive tract of 35 fetuses of the one-humped camel collected from the Sokotometropolitan abattoir, over a period of five months at different gestational ages. The approximate age of the fetuses was estimated from the crown vertebral rump length (CVRL) and samples were categorized into first, second and third trimester. The mean bodyweight of the foetus at first, second and third trimester ranged from  $1.40 \pm 0.06$  kg,  $6.10 \pm 0.05$  kg and  $17.87 \pm 0.6$  kg respectively. The mean weights of the entire digestive system at first, second and third trimester were  $0.80 \pm 0.07$  kg,  $2.13 \pm 0.04$  kg and  $4.86 \pm 0.08$  kg respectively. The mean weights of the digestive tract at first, second and third trimester were  $0.53 \pm 0.07$  kg,  $1.03 \pm 0.05$  kg and  $2.43 \pm 0.07$  kg respectively. The small intestine at first trimester were found not to have any clear demarcation to show duodenum, jejunum and ileum; the entire small intestine was found to be  $76.00 \pm 3.00$  cm at first trimester and showed clear demarcation at second and third trimesters. The mean volumes of the entire stomach (rumen, reticular and abomasum) ranged from  $136.67 \pm 8.30$  cm<sup>3</sup> at first trimester to  $353.33 \pm 6.50$  cm<sup>3</sup> at third trimester. It was observed that there was increase in body weight, organ weight and individual segment of the digestive tract of the fetuses with advancement in gestation period. A geometrical increase in length and diameter of the various segments of the digestive tract showed a significant difference ( $P \leq 0.05$ ) with advancement in gestational period.

## کلمات کلیدی:

Biometry, Camel, Digestive tract, Fetus, Prenatal development

## لینک ثابت مقاله در پایگاه سیویلیکا:

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