

Measurements of Some Genital Tract Organ Size in Anatolian Water Buffalos (Anadolu Mandalarında Bazı Genital Kanal Organ Büyüklüklerinin Ölçümü)

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Dear Editor,

In the present case, the diameters of right and left ovary and cornu uteri, the length of cervix and corpus uteri, the number of ridges within the cervix uteri of buffalo cows and heifers were described to help veterinary practitioners whose perform transrectal examination in buffalos.

Genital tract of multiparous, non-pregnant, 4-8 years old, buffalo cows (n = 79) and 2-4 years old heifers (n = 33) slaughtered in a private slaughterhouse were used. Immediately after slaughter, genital tract samples including vagina, the parts of cervix, corpus and cornu uteri and both ovaries of each animal were brought to the laboratory. Firstly, uterus and ovaries were visually examined by macroscopic observation. Any normal or abnormal vaginal discharge, physiologic or pathologic conditions were recorded and healthy animals were used. The diameters of right and left ovary and cornu uteri were measured by compass. Moreover, the lengths of cervix and corpus uteri, the number of ridges within the cervix uteri were recorded following the incision made from ostium cervix to cornu uteri. The animals which had active ovary (the presence of luteal tissue and follicle) were defined as cyclic animals as previously described elsewhere ¹.

The mean diameters of right and left ovary and cornu uteri, the length of corpus and cervix uteri and

the number of ridges within the cervix uteri of cows and heifers are given in *Table 1*. It was observed that the measured mean diameters in cows were higher than those of heifers.

In conclusion, it suggests that these preliminary data of the diameters of different parts of genital tract of Anatolian water buffalo may help veterinary practitioners whose perform transrectal examination in buffalos.

REFERENCES

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Table 1. The mean diameter of right and left ovary and cornu uteri, the mean length of the parts of corpus and cervix uteri and the mean number of ridges within the cervix uteri of cows and heifers of Anatolian buffalo

Tablo 1. Anadolu mandası inek ve düvelerde sağ ve sol ovaryumlar ile kornu uteri ortalama çapları, korpus ve serviks uteri ortalama uzunlukları ile serviks uterideki ortalama dürüm sayısı

Parameter	Cow (n=79)	Heifer (n=33)
Right Ovary (cm)	2.47±0.38	2.33±0.52
Left Ovary (cm)	2.59±0.36	2.42±0.38
Corpus Uteri (cm)	1.51±0.58	1.10±0.30
Cervix Uteri (cm)	6.04±1.01	5.23±1.09
Left Cornu uteri (cm)	2.73±0.43	2.24±0.33
Right Cornu Uteri (cm)	2.82±0.46	2.37±0.34
Number of ridges within cervix uteri	4.06±0.80	3.91±0.73



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