

Biometry and Pathology of Internal Genital Organs of Female Camel (Camelus dromedarius) in Lahore, Pakistan

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Abstract : The present work was designed to establish biometrical norms for ovaries, oviducts and crevices of one humped camels (*Camelus dromedarius*) and the diseases associated thereof in various age groups viz. calves (< 2 years, n=15), heifers (2-4 years, n=34) and adults (> 4 years, n=81). The genitalia were attained from Lahore Abbatoir, Punjab, Pakistan. Ovaries, oviducts and cervixes of experimental genitalia were assessed for their length, width, thickness and weight. Statistically, there was no difference in the length and width of both left and right ovaries which however, increased with the advancement of age of camel. Similar results were noticed regarding the width of oviducts. The mean length of cervixes of female camels correlated well with the number of cervical annular rings amongst the age groups. Regarding the abnormalities of ovaries and cervixes in the 3 age groups, camel calves did not have any of the abnormalities. However, ovarian hypoplasia in heifers (2.94%) and follicular cyst in adult female camels (1.23%) were revealed in the present study. Mucocervix in heifers (2.96%) and cervicitis 1.23% in adult camels was also noticed. The present work presents a preliminary data on biometrical analysis for one humped camels and envisages a broader study with increased population and sample size.

Keywords : camelus dromedarius, pathology, biometry, female genital tract

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