

Influence of Sex on certain biochemical parameters in Nomadic Camels (*Camelus dromedarius*) nearby Pune, in Maharashtra

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Abstract

Blood samples were collected from 16 (8 male and 8 female) apparently healthy nomadic camels from nearby Pune. Serum samples were analyzed for certain biochemicals. No significant difference was observed in Total Proteins, Albumin, Globulin, Calcium and Phosphorus between male and female camels with values of Total proteins and Globulin slightly higher in females and that of Albumin, Calcium and Phosphorus slightly higher in males. Significantly higher ($P < 0.01$) levels are observed with respect to A: G ratio in male animals than females, whereas significantly higher ($P < 0.01$) value of Creatinine and BUN ($P < 0.05$) were observed in female animals as compared to males.

Keywords: Camel, Nomadic, Biochemical, Blood.