POSTPARTUM UTERINE INVOLUTION AND LUTEAL ACTIVITY IN FARAFRA EWES LAMBING IN AUTUMN

DERAR REFAAT DERAR, MOHAMMAD HAYDER, AHMED ALI1, HATEM HAMDOUN

Abstract:

The study was designed to estimate the time needed for complete uterine involution and postpartum luteal activity in Farafra ewes lambing in autumn (n = 40). Transrectal ultrasonographic examinations were performed twice weekly after parturition. Uterine involution and luteal activity were detected ultrasonographically. Blood sampling (twice weekly) was started on d 14 until d 73 postpartum to determine progesterone concentrations. The mean interval for complete uterine involution was 28.72 ± 1.0 d. The proportion of ewes that showed the presence of a cyclic CL within 35 d of lambing was 72.5%. Farafra ewes showed a progesterone concentration greater than 1 ng mL -1 on an average 22.0 ± 2.5 d postpartum. Three out of six ewes showed more than one short cycle during the observation period. It's concluded that the majority of farafra ewes had a complete uterine involution and luteal activity within 35 days post partum during October lambing season in the subtropics.

Keywords:

Ewes; uterine involution; luteal function; postpartum; progesterone.

Published In: