

Abstract

Female genital tracts of six to eight years Baladi cows (n=30) were collected to investigate ovarian abnormalities and uterine changes in cattle based on histopathology. Prevalence rates of granulosa cell tumors were 26.67% and 38.89% in right and left ovaries, respectively. Follicular cysts could be detected in both ovaries with percentages of 50.0% and 44.44%, respectively. The main uterine pathological alterations were endometritis associated with degenerative changes and necrosis in the endometrial linings in most cases (n=25), endometriosis (n=13). Perivascular cuffing (n=2) and perivascular fibrosis (n=3) of uterine blood vessels could be detected. Immunohistochemically, granulosa cell tumors were positive to vimentin and negative to inhibin.

Keywords: cattle, ovaries, granulosa cell tumors, histopathology, immunohistochemistry, cystic follicle