TISSUE ALTERATIONS IN PIOMETRA INFECTION

[1]QUEZADA BARRERA KC, ZAMORA E JL[1 2*], CASTAÑEDA VELÁZQUEZ S, [2]CANO TORRES R, [2]FELIPE-PÉREZ YE*

1.-Centro de Investigación y Estudios Avanzados en Salud Animal
2.-Departamento de Reproducción Animal, Facultad de Medicina Veterinaria y Zootecnia, Universidad Autónoma del Estado de México. El Cerrillo Piedras Blancas, CP 50200, Toluca, Estado de México, México.
**Corresponding authors: zamoraespinosa@hotmail.com_yazminyefp@yahoo.com*

ABSTRACT

Rabbit production in our country has been growing during the last years, as well as the health risks that greatly affect the profits, since it causes important loses. Among some of the most important health problems in the rabbit farm, are the cases of infertility in does. Various situations such as having a high charge of parasites, sub-clinical infections transmitted by the male during copulation, likewise the high and low drastic temperature changes, among others, can be the cause of reproductive problems. Therefore, many does must be discarded from the reproductive programs. In the present study, we report a case of one doe of 18 months of age, with a good reproductive record; however, it was discarded from the reproductive program, since it received many services in the last two months, in addition it presented problems of mastitis, and therefore it could not become pregnant. In the present case, pyometra was detected after sacrificing the doe. A histopathological study was conducted on the different regions of the reproductive organ. Evaluation of the reproductive tissue damages was performed by using the Eosin-Hematoxylin staining. Among some of the findings was the presence of embryos in different phases of destruction by the micro-organisms found in the uterine exudate.

Key words: infertility, pyometra, doe, embryo