



Unilateral orchidectomy in donkey (*Equus asinus*): Evaluation of different surgical techniques, histological and morphological changes on remaining testis

Haroon Ali Yousef Hussein, Magda Mahmoud Ali Omar, Khaled Mohamed Ahmed Hassanein, Abdel-Razek Khalifa Abdel-Razek

Abstract:

Unilateral orchidectomy (UO) is required when further breeding potential is important. It is sometimes necessary to remove a single testis in a matured stallion for therapeutic reasons. In this study, twelve donkeys were used to evaluate three techniques of unilateral castration, histological and morphological changes on the remaining testis. Results of the study showed that each of the surgical techniques used had its advantages and disadvantages in comparison with the other two techniques. Therefore the selection among the three techniques depends on the surgeon preferences and the environment in which the unilateral orchidectomy is performed. The volume of the remaining testis recorded at the end of the study was significantly greater than that estimated at the start of the study (p

Keywords:

Animal Histology Leydig cells Testis Unilateral orchidectomy

Published In:

Veterinary Research Forum , 4 (1) , 1-6