



## Prevalence of pneumovagina among subfertile Arabian mares in Al-Najaf province / Iraq

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### Abstract

**This study was** conducted in Al-Najaf province / Iraq during 2016 on 51 Arabian subfertile

mares to assess the prevalence of pneumovagina. The cases classified according to caslick's index, and out of 51 examined mares there were 21 (41.17 %), 18 (35.29 %), and 12 (23.52%) mares for grade I, II and III respectively. Moreover, the correlation between the animal's age and the mean of caslick's index, the results showed that there were 64 (15.68 %), 72 (25.49%) and 98 to 123 ( 35.29% to 23.52 %) for age groups 3-7 years, 7-10 years and more than 18 years respectively. The ultrasonic examination revealed that the mares in grade I mares showed a higher percentage of reproductive system abnormalities and the percentage of was Endometritis (14.28%). While, in mares with grade II, the percentages of vaginitis, Cervicitis, Endometritis, Pyometra and anovulatory follicles, were 22.22 %, 0 %, 38.88 %, 33.33% and 5.55 % respectively. At the same time, the percentages of vaginitis, Cervicitis, Endometritis, Pyometra and anovulatory follicles were 16.66 %, 16.66 %, 0 %, 58.33% and 8.33% respectively the mares with grade III. In conclusion, the results of the present study revealed the prevalence of mare subfertility in mares due to pneumovagina. The author recommend more future studies to correlate between the prevalence of pneumovagina and the causes of uterine infection in mare.

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