

TITLE: PROSPECTIVE EVALUATION OF PAIN IN DOGS UNDERGOING OVARIOHYSTERECTOMY AND CASTRATION.

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Six female dogs were operated for ovariohysterectomy and six male dogs were castrated to assess severity of pain, wound healing and its complications if any from post-operative care. The heart rate, body temperature and respiratory rate were also recorded.

Body temperature, heart rate and respiration in male and female dogs during the process of operation differed significantly (P<0.05). On average the body tempe1·ature of female dogs was significantly higher (102.01±0.91°F) than the male dogs (1 OI .86±0.60°F). The heart rate of female dogs was significantly higher (109.42±23.06 beats per minute) than the male dogs (95.42±15.97 beats per minute). Respiratory rate of female dogs was significantly higher (40.68±5.07 breaths per minute) than the male dogs (35.93±6.03 breaths per 1ninute). The post-operative body temperature on average of female dogs (ovariohysterectorny) was higher than the male dogs castrated. The heart rate varied between animals in the same sex and on average heart rate of female dogs was higher than the male dogs. The respiration also varied between animals as well as between male and females, but respiration rate was higher in female dogs than the male dogs. The female and male dogs varied markedly in relation to postoperative pain due to their respective operations. There was great variation between dogs for the degree of pain or severity of pain after ovariohysterectomy surge1·y and tl1is might be associated with the physical health of these animals. The male dogs physically were of different health conditions and may be the weaker dogs felt prolonged pain as compa1·ed to those with good health.

Biography: Sana Ullah is an active veterinarian who has got his DVM degree from Sindh Agriculture University Tandojam, Pakistan. He has a very good experience in parasitological lab techniques, sedimentation method, flotation method and direct smear method for identification of eggs for various parasites. He has done research work on comparative studies on dressing percentage and distribution of cut parts in broiler and layer, in collaboration with the department of Animal Products and Technology. He has also performed a research project on, prospective evaluation of pain in dogs undergoing ovariohysterectomy and castration in dogs from the department of surgery and obstetrics.

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