

COMPARISON BETWEEN PROPOFOL WITH COMBINATION OF PROPOFOL – XYLAZINE AND KETAMIN – XYLAZINE TOWARD THE DURATION OF ANAESTHESIA AND PHYSIOLOGICAL CHANGE IN FEMALE CAT

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ABSTRACT

This research were observed the comparison between Propofol with combination of Propofol – Xylazine and Ketamin – Xylazine as general anaesthesia toward the duration of anaesthesia, heart beat and respiratory rate and also body's temperatura in cat. Eighteen healthy adult female cat about 1 – 3 years old with 2 – 3 kilogrames averagebody weight were used as tested animals. These cats randomly divided into one of three groups. Group one (P1) had been injected using atropine sulfas for premedication (IM) 0.04 mg/kg body weight (BW) and induced by propofol (IV) 4 mg/kg BW as anaesthesia. Group two (P2) had been injected using atropine sulfas (IM) 0.04 mg/kg BW and xylazine (IM) 0.8 mg/kg BW as premedication and induced by propofol (IV) 4 mg/kg BW as anaesthesia. Group three (P3) received atropine sulfas (IM) 0.04 mg/kg BW and xylazine 0.8 mg/kg BW as premedication and induced by ketamine (IM) 20 mg/kg BW. Heart beat and respiratory rate also body temperature was measured before drugs were given and at minutely intervals after the drugs were given (5, 10, 15, and 20). The results shows that combination of ketamine – xylazine has the longest duration of anaesthesia compare with others group, heart beat rate reached highest at group of propofol. The lowest respiratory rate at group of ketamine – xylazine and body's temperature shows that there is significant differences among the groups for the highest at propofol.

Keyword : Anestesi, Propofol, Ketamin, Xylazine.