MANFAAT YOHIMBINE SEBAGAI ANTIDOTE UNTUK ANESTESI UMUM DENGAN KETAMIN DAN XYLAZINE PADA AYAM

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Abstract:

The aim of this research was to determine the use of yohimbine as an antidote ketamin and xylazine general anaesthesia in chicken. Twenty chicken were randomly devided in to two treatmen groups. The first were injected intramuscularly a combination of ketamin (10 mg/kg) and xylazine (2 mg/kg). The second treatment were injected intramuscularly a combination of ketamin (10 mg/kg) and xylazine (2 mg/kg) following injection of yohimbine, given intravenously (0,1 mg/kg) at 15 minute after the injection of ketamin-xylazine. Mean duration of anaesthesia and frequency of respiratory were evaluated. Data analyzed statistically by t-independent sample test SPSS Version 9.0.

The result of research showed that yohimbine significantly (p<0,01) proved to produce more rapid recovery from xylazine-ketamin anaesthesia. Yohimbine also significantly (p<0,01) reversed respiratory depression induced by ketamin-xylazine. These finding indicate that yohimbine not only counteracts the anesthetic action, but also is useful to reverse the cardiopulmonary action of this anesthetic combination.

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