

STUDY ON SYSTEMIC HYPERTENSION IN DOGS WITH DIABETES MELLITUS IN CAN THO CITY AND EVALUATING THE EFFECTIVENESS OF TREATMENT

Dang Thi Tham, Tran Ngoc Bich

Summary

The determination of systemic hypertension in dogs with diabetes mellitus was performed by cross-sectional study in 2,237 dogs that reared in Cantho city. In this study, the standard of ACVIM and JVIM (2007) was used for detecting systemic hypertension in dogs with diabetes mellitus. The results showed that 169 out of 2,237 (7.55%) dogs had signs of hypertension by measuring the levels of blood glucose and blood pressure. In addition, the systemic hypertension in dogs with diabetes mellitus was age-, rearing modality-and sex-dependent; and gradually increased according to age of dogs ($P < 0.01$); however, the hypertension did not depend on breeds ($P < 0.05$). The effectiveness of treatment using propranolol and losartan was similar; and the adjustment for baseline blood pressure levels was low or poor in both treatments with propranolol and losartan.

Keywords: *Systemic hypertension, dog, diabetes mellitus.*