

论文

延胡索的药理研究 VII.延胡索乙素对狗胃液分泌的影响及其催眠作用

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摘要:

1.实验用具有Thomas改良式小胃狗3只,其中2只单次皮下注射乙素20毫克/公斤后,对胃液分泌量没有显著影响。皮下注射40毫克/公斤连续12天,胃液分泌总量无显著变化,仅在给药的个别天数的第1小时的胃液分泌略有减少,对胃液酸度及消化力的影响也不明显。另1只狗单次皮下注射80毫克/公斤,在前后2次试验中,4小时胃液分泌总量都受到显著抑制,其中以第1、第2、第3小时减少最明显,胃液酸度(游离酸、总酸)及消化力也有明显减弱现象。2.狗2只每天皮下注射乙素40毫克/公斤,共12天。于给药后5—20分钟出现催眠作用,催眠时间持续在80分钟左右。在给药几次以后有消滅现象,以后又有回升,至第11、第12天时,动物的催眠作用再度出现减弱,有一定的耐受现象。3.单次皮下注射乙素20及80毫克/公斤或是40毫克/公斤多次给药,对上述3只狗的呼吸都没有明显影响。

关键词:

STUDIES ON THE PHARMACOLOGICAL ACTIONS OF CORYDALIS VII. I INFLUENCE OF CORYDALIS B ON GASTRIC SECRETION AND ITS HYPNOTIC ACTION IN DOGS

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Abstract:

Experiments were carried out on 3 dogs with a Thomas' modified Pavlov pouch. The gastric juice was collected for a period of 4 hours. Its acidity was titrated by 1/10 N NaOH and the digestive power was examined by means of Mett's method. In 2 dogs, a single subcutaneous injection of 20mg/kg of corydalis B had no marked influence on gastric secretion. When the dose was raised to 40 mg/kg/day and continued for 12 days, the gastric secretion, its acidity and digestive power did not show significant change, but in a few days the amount of first hour secretion was decreased. In another dog a single dose of 80 mg/kg caused a considerable reduction in the total amount of gastric secretion, especially in the first three hours. The gastric acidity (both total and free) and digestive power were also depressed. In two dogs corydalis B was administered subcutaneously at the dosage of 40 mg/kg/day for 12 days. The hypnosis occurred 5—20 minutes following injection and was maintained for about 80 minutes. This action was weakened after several injections; thereafter it might be somewhat recovered, and finally, on the 11—12th days a new drop in the drug potency was observed. It is thus suggested that the tolerance to corydalis B may be developed. A single subcutaneous injection of 20 or 80 mg/kg of corydalis B and multiple injections of 40 mg/kg produced no significant influence on respiration of the above-mentioned 3 dogs.

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