

论文

可乐定抑制胃肠运动及机理研究

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摘要:

可乐定(15~120μg/kg,sc)剂量依赖式地抑制小鼠及大鼠胃肠推进运动及小鼠排便反射,此作用明显强于吗啡。可乐定(120μg/kg·d×10d,sc)对小鼠上述作用未产生耐受性。icv可乐定(12μg/kg)抑制大鼠胃肠推进运动作用强于sc同剂量的可乐定。育亨宾(0.5~5mg/kg,sc)剂量依赖式地拮抗可乐定对小鼠胃肠推进运动及排便的抑制作用。

关键词: 可乐定 胃肠推进运动 排便 育亨宾

INHIBITORY EFFECT OF CLONIDINE ON GASTROINTESTINAL MOTILITY

YX Wang; LX Guo and SY Xu

Abstract:

Clonidine (15~120μg/kg, sc) showed a dose related inhibitory effect on the gastrointestinal propulsive motility in mice and rats, and on the defecation in mice. This action of clonidine was much stronger than that of morphine. No tolerance to the action of clonidine was observed on repeated administration of the drug (120 μg/kg·d×10 d). Clonidine (12μg/kg, icv) was found to be more active in inhibiting the gastrointestinal propulsive motility than the same dose of the drug given sc. Yohimbine (0.5~5 mg/kg, sc) exhibited an antagonistic action on the inhibitory effect of clonidine on the gastrointestinal propulsion and defecation in mice.

Keywords: Defecation: Yohimbine Clonidine: Gastrointestinal propulsive motility

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