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Prospek Tipikal Antagonis Dopamin Sebagai Penanggulangan Ketergantungan Morfin

Abstrak :

The present study was designed to investigate the effect of dopamine antagonist in the attenuation of withdrawal symptoms in morphine-induced dependent mice. Development of morphine induced-dependence was performed by repeated subcutaneous injection of morphine with excalating doses for 8 consecutive days. Withdrawal was precipitated by intraperitoneal naloxone injection. Then, the sign of withdrawal was observed during 15 minutes after an injection of naloxone. Behavioral test showed that withdrawal symptoms such as locomotion, jumping and rearing were increased in morphine-induced dependent mice. Repeated pretreatment with dopamine antagonist was significantly attenuated the jumping as well as rearing. Furthermore, pretreatment with chlorpromazine had similar potential to decrease the withdrawal symptoms. These data suggested that pretreatment with dopamine antagonist partially attenuated the withdrawal symptoms in the morphine-induced dependence mice.

Keyword :

morphine dependence, withdrawal syndrome, dopamine antagonist, haloperidol, chlorpromazine