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Effects of rhizoma atractyl macrocephalae on small intestinal myoelectric activities in rats

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Abstract

AIM: The effect of 100% rhizoma atractyllodis macrocephalae (RAM) on the small intestinal myoelectric activities in waking rats was examined. The results suggested that RAM markedly facilitate the myoelectric activities, increase the spike discharge rate and the frequency of spike ($P < 0.01$); Increase the spike intensity and the rate of slow wave ($P < 0.05$). After pretreatment with atropine, exciting effect of a RAM on rat intestinal myoelectricity was weakened markedly.

CONCLUSION: The results indicate that RAM has an exciting effect on the small intestinal myoelectric activities in rats, which may be mediated *via* M receptor.

Key words: Rhizoma atractylodis macrocephalae; Small intestine; Myoelectric activities

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