

简报

氯沙坦对主动脉狭窄大鼠血清 β_1 肾上腺素受体与 M_2 毒蕈碱受体自身抗体产生的影响

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摘要 采用缩窄主动脉复制心功能不全大鼠模型, 动态观察(10周)氯沙坦(术后第2周开始, $5 \text{ mg} \cdot \text{kg}^{-1} \cdot \text{d}^{-1}$, ig, 连续8周)治疗对模型大鼠血清 β_1 肾上腺素受体(β_1 受体)与 M_2 毒蕈碱受体(M_2 受体)自身抗体产生的影响。结果表明, 缩窄主动脉组血清中两种受体自身抗体从术后1周起阳性率, 滴度逐渐升高; 给予氯沙坦治疗不仅可抑制模型大鼠心脏功能和结构的改变, 而且使两种血清受体自身抗体的阳性率和滴度明显降低。结果提示氯沙坦有抑制心脏 β_1 与 M_2 受体自身抗体产生作用。

关键词 [氯沙坦](#) [心脏肥厚](#) [自身抗体](#) [受体](#), [肾上腺素](#), [\$\beta\$ 受体](#), [毒蕈碱性](#)

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Effect of losartan on production of serum autoantibodies to cardiac β_1 and M_2 receptors in cardiac dysfunction rats

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Abstract

Cardiac dysfunction was produced in rats by narrowing aorta. The effects of losartan (after operation 2 weeks to 9 weeks, $5 \text{ mg} \cdot \text{kg}^{-1} \cdot \text{d}^{-1}$, ig) on generation of cardiac β_1 and M_2 receptor autoantibodies in serum were observed during development of cardiac dysfunction in rats. The results showed that the frequencies and titers of both receptor autoantibodies after 1 week of narrowing aorta were significantly increased. The treatment with losartan not only inhibited cardiac structural and functional changes, but also the frequencies and titers of both autoantibodies were significantly lower than narrowed aorta group. It is suggested that the losartan inhibit generation of the both receptor autoantibodies.

Key words [losartan](#) [heart hypertrophy](#) [autoantibodies](#) [receptors](#) [adrenergic](#) [beta](#) [receptors](#) [muscarinic](#)

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