

论文

低效价肝素对兔主动脉壁摄取¹²⁵I-胆固醇的影响

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摘要:

低效价肝素(38 U/mg)50 mg/kg,给家兔iv,可抑制兔主动脉壁摄取¹²⁵I-CH,在第12h,抑制率为53%,对已被去甲肾上腺素损伤的动脉内皮,肝素仍可降低主动脉壁¹²⁵I-CH的摄取量,抑制率为34.6%。iv¹²⁵I-CH 50μCi/kg 12 h后,各组血中¹²⁵I-CH的cpm无显著差异。但动脉壁与血中cpm的比值差异非常显著,一次iv后,肝素降低动脉内皮通透性的作用可持续24h以上。

关键词: 肝素 胆固醇 主动脉 内皮细胞

EFFECT OF LOW ACTIVITY HEPARIN ON THE UPTAKE OF ¹²⁵I-CHOLESTEROL BY AORTA WALL IN THE RABBIT

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Abstract:

Low activity heparin (38 U/kg, USP X X) 50 mg/kg given intravenously to rabbits reduced the uptake of ¹²⁵I-CH by the aorta wall. The inhibition rate was 53.0%. It was also found to inhibit the uptake of ¹²⁵I-CH by the aorta wall which was damaged by prior injection of noradrenaline. The inhibition rate was 34.6%. Twelve hours after injection of ¹²⁵I-CH 50 μCi/kg intravenously, the radioactivity in blood was not significantly different between the heparin treated and control groups, but ratio of radioactivity of the aorta wall and blood was significantly different. The effect of heparin on the endothelium permeability after a single intravenous injection lasted more than 24h.

Keywords: Cholesterol Aorta, Endothelium Heparin

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