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论文

瑞香素抗血栓作用

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摘要:

瑞香素80 mg/kg iv对大鼠实验性血栓形成有明显的抑制作用,抑制率54%,在试管内当浓度为0.025,0.05及0.1 mg/ml时,可抑制ADP诱导的家兔血小板聚集。iv 80 mg/kg 5 min,对ADP诱导的家兔血小板聚集也有明显的抑制 作用。iv 40及80 mg/kg 20 min,皆可使血小板粘附性降低;并能延长小鼠凝血时间。iv 80 mg/kg 5 min,对家兔 纤维蛋白原含量、全血粘度及血浆比粘度均无明显影响。

关键词: 瑞香素 长白瑞香 实验性血栓 血小板聚集 血小板粘附性

ANTITHROMBOTIC EFFECT OF DAPHNETIN IN RAT

QU Shu-Yan; JI ANG Xiu-Lian; ZHAO Xue-Hui; PAN De-Bao; WANG Xin-Rong; CHEN Ying-Li; PAN Guang and WU Ying-Jie

Abstract:

Daphnetin is one of the constituents of Daphne koreana Nakai. A Carotid-jugular extracorporeal shunt was made in the rat. A 5 cm length of silk thread was placed in the shunt. Fifteen rain after the restoration of blood flow in the shunt, the wet weight of thrombus developed on the thread was measured. The thrombus weight was significantly reduced when daphnetin was given iv 40 or 80 mg/kg. The thrombus weight of control group was 24.4±3.8 mg, and that of the medicated group was 16.4±2.2 mg or 11.2±1.8mg. The inhibitory rate was 33% or 54%. In in vitro studies, ADP induced rabbit platelet aggregation was inhibited by daphnetin (0.025~0.1 mg/ml). Intravenous injection of daphnetin at a dose ▶ 毋英杰 of 40 or 80 mg/kg inhibited rabbit platelet aggregation. Intravenous injection of dephnetin at a dose of 40 or 80 mg/kg reduced rat platelet adhesion. Daphnetin 40 or 80 mg/kg ip in mice prolonged the clotting time of blood. Results also indicate that neither the concentration of fibrinogen nor the blood viscosity was affected by intravenous injection of daphnetin.

Keywords: Daphne koreana Nakai Thrombus Blood platelet aggregation Platelet adhesion Daphnetin

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- 2. 郑维发; 石枫. 芫花根中新双香豆素的分离与鉴定[J]. 药学学报, 2004,39(12): 990-992
- 3. 蒋蓥; 赵志城; 李飞. 瑞香素与中枢单胺类介质的关系[J]. 药学学报, 1984,19(9): 647-650
- 4. 曲淑岩; 毋英杰; 王一华; 左玉霞. 瑞香素的代谢及药代动力学[J]. 药学学报, 1983, 18(7): 496-500

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