

论著

凝血因子IX复合物制品在鼠非停滞模型上的潜在致血栓性的评价

余蓉^{1*}, 邬杨斌², 杜俊蓉¹, 李晓红¹

(1. 四川大学华西药学院生物制药教研室, 四川 成都 610041; 2. 浙江省宁波亚太生物技术有限责任公司, 浙江 宁波 315803)

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摘要 目的 评价两种凝血因子IX复合物的潜在致血栓危险性。方法 采用鼠非停滞模型, 动态监测可溶性纤维蛋白单体复合物、纤维蛋白降解产物、D-二聚体、组织纤溶酶原激活剂等指标的变化。结果 采用国产DEAE-琼脂糖快胶离子交换层析和Ca₃(PO₄)₂吸附法相结合的层析工艺制备的凝血因子IX复合物引起的上述指标的变化均明显低于改良凝胶吸附法制备的凝血因子IX复合物。结论 用国产DEAE-琼脂糖快胶离子交换层析和Ca₃(PO₄)₂吸附法相结合的层析工艺可明显减少凝血因子活化, 降低制品的潜在致血栓性。

关键词 [凝血因子IX复合物](#) [大鼠](#) [非停滞模型](#) [血栓栓塞](#)

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Evaluation of factor IX complex concentrates in a nonstasis rat model of thrombogenicity

YU Rong^{1*}, WU Yang-Bin², DU Jun-Rong¹, LI Xiao-Hong¹

(1. West China School of Pharmacy, Sichuan University, Chengdu 610041, China; 2. Ningbo Yatai Biological Technology Co.Ltd, Ningbo 315803, China)

Abstract

AIM To evaluate the *in vivo* thrombogenicity of factor IX complex concentrates obtained by two different preparative methods. **METHODS** non-stasis rat model of thrombogenicity has been used. Prethrombotic markers, soluble fibrin monomer complex, fibrin degradation product, D-dimer and tissue plasminogen activator were monitored. **RESULTS** All the prethrombotic markers have exhibited some elevation, but the dynamic elevation of these markers were found to be higher after infusion of the concentrates obtained by modified gel adsorption than the concentrates obtained by domestic DEAE-sepharose fast flow chromatography and Ca₃(PO₄)₂ adsorption ($P < 0.05$). **CONCLUSION** The preparative method, using domestic DEAE-sepharose fast flow chromatography and Ca₃(PO₄)₂ adsorption, is successful in decreasing activated clotting factors and increasing the thrombogenic safety of factor IX complex concentrates.

Key words [factor IX complex concentrates](#) [rats](#) [non stasis model](#) [thromboembolism](#)

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通讯作者 余蓉 Yurong@mail.sc.cninfo.net

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