

[1]李传贵,宋波,郑宗钊,等.生物胶在兔肾部分切除术中的止血效果[J].第三军医大学学报,2014,36(19):2021-2024.

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## 生物胶在兔肾部分切除术中的止血效果 分享到:

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Title: Hemostatic function of biological glue in partial nephrectomy in rabbits

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摘要:

目的 观察生物胶在家兔肾部分切除术中的止血效果,以提高肾外科手术止血效率。方法 14只家兔按随机数字表法分为生物胶组和传统缝合组,每组7只,建立左肾部分切除模型,分别以生物胶和传统缝合处理伤口,观察记录出血量和止血时间,1个月后取左肾做病理检查,观察创面愈合情况。结果 使用生物胶粘合伤口出血量更少,生物胶组:( $2.13 \pm 0.66$ ) mL,传统缝合组:( $5.57 \pm 1.43$ ) mL,差异有统计学意义( $P < 0.01$ );止血时间更短,生物胶组:( $5.55 \pm 1.62$ ) s,传统缝合组:( $63.70 \pm 5.90$ ) s,差异有统计学意义( $P < 0.01$ )。病理检查结果提示生物胶组创面愈合良好,慢性炎症细胞浸润明显少于传统缝合组。结论 生物胶在肾部分切除术中的止血效果明显优于传统缝合,值得临床应用推广。

Abstract: Objective To observe the hemostatic function of biological glue in partial nephrectomy in rabbits in order to improve hemostatic efficiency in urological operation. Methods Fourteen rabbits were randomly divided into biological glue group (group A,  $n=7$ ) and conventional suture group (group B,  $n=7$ ). After the partial nephrectomy model was established on the left kidney, biological glue and conventional suture were used respectively to treat the wound. The volume of bleeding and bleeding time were observed and recorded.

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Tissue sample were transected from the wound of left kidneys in 1 month after the surgery, and the renal wound healing were observed and evaluated by the results of pathological examination. Results Compared with conventional suture group (group B), significantly fewer bleeding volume ( $2.13 \pm 0.66$  vs  $5.57 \pm 1.43$  mL,  $P < 0.01$ ) and shorter bleeding time ( $5.55 \pm 1.62$  vs  $63.70 \pm 5.90$  s,  $P < 0.01$ ) was observed in biological glue group. Pathological observation indicated that the wound healed well in biological glue group, with less infiltration of chronic inflammatory cells than in conventional suture group. Conclusion Biological glue is significantly superior to conventional suture in hemostasis for partial nephrectomy, and is worth of promoting in clinical practice.

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李传贵, 宋波, 郑宗钊, 等. 生物胶在兔肾部分切除术中的止血效果[J]. 第三军医大学学报, 2014, 36(19):2021-2024.