

The effects of albumin/glutaraldehyde glue on healing of colonic anastomosis in rats

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27 Mar 2014 ... As **healing** advanced, **glued anastomoses** neared the resistance to ... **The results** presented here follow on from our previous experience with ... They are composed of cyanoacrylates, polyethylenglycols, **albumin** with **glutaraldehyde**, ... species (laboratory **rats**) to create a suture-free **intestinal** juncture.

[\[PDF\] Experimental use of an albumin±glutaraldehyde tissue adhesive for ...](#)

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**results** of this study indicate that the use of BioGlue<sup>®</sup> in human pulmonary surgery should be effective. q 2001 ... Keywords: Bronchial **anastomosis**; Lung parenchyma; Experimental **gluing**. 1. Introduction. Chronic parenchymal fistulas, as well as **healing** disrupt- ... **bowel** obstruction, there were no complications of the post-

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The primary repair+fibrin **glue** group, showed the best cavernous **healing** with ... A comparison of a bovine **albumin/glutaraldehyde glue** versus fibrin sealant ... **anastomotic** strength but increase **bowel** obstructions in an experimental **rat** model.

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### Basic Study

Effects of albumin/glutaraldehyde glue on healing of colonic anastomosis in rats

Kalliopi Despoudi, Ioannis Mantzoros, Orestis Ioannidis, Aggeliki Cheva, Nikolaos Antoniou, Dimitrios Konstantaras, Savvas Symeonidis, Manousos George Pramateftakis, Efstathios Kotidis, Stamatis Angelopoulos, Konstantinos Tsalis

### Abstract

#### AIM

To evaluate the effect of local surgical adhesive glue (albumin/glutaraldehyde – Bioglue) on the healing of colonic anastomoses in rats.

### METHODS

Forty Albino-Wistar male rats were randomly divided into two groups, with two subgroups of ten animals each. In the control group, an end-to-end colonic





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### Effects of chitosan on healing and strength of colonic anastomosis in rats

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Tissue **adhesives** (TAs) in gastrointestinal surgery are gradually gaining acceptance. ... sutureless closure of **colonic** defects evaluating mechanical strength and tissue **healing**. ... **Results**. Leakage rates in the TA groups were highest for Duraseal Xact, ..... 1, Bioglue, AB, **Glutaraldehyde-albumin**, Cryolife (Kennesaw, GA).