

# **Sutures without sutures in digestive surgery. Experimental study of the rat intestine. [Italian]**

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## **Abstract:**

The aim of the experimental study was to evaluate the possibility of performing an end-to-end anastomosis by using fibrin adhesive as the only means of suture. To this end, 24 Wistar rats were used, of which 16 underwent ileal resection and 8 underwent colotomy, and they were divided respectively into two groups. On the rats of the first group the anastomosis was performed by using only fibrin adhesive; on the rats of the second group operated the anastomosis was performed by using fibrin adhesive in association with non adsorbable suture material, while on those operated of colectomy the anastomosis was performed by fibrin adhesive and adsorbable suture material. The anatomo-pathological studies on the anastomosis have shown a similar healing process in the cases treated only with fibrin adhesive and by using absorbable material and has demonstrated the strange material from the suture, which are a possible causes of complication.