

Fibrin glue for reanastomosis of the Fallopian tube in the rabbit: Adhesions and fertility.

Authors: Gauwerky J.F.H., Klose R.P., Vierneisel P., Bastert G.

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Abstract:

Fertility and adhesions were examined in 41 rabbits in three treatment groups following the construction of microsurgical anastomoses with fibrin glue and by conventional suturing techniques. The three types of treatment were: isthmic anastomoses without resection, ampullary anastomoses, isthmic anastomoses following resection of oviduct segments. There were no significant differences between the two methods of performing the anastomoses in any of the three groups with respect to number of ovulations, number of implantations, nidation index, and pregnancy rate. The extent of the formation of adhesions was also no different between the two types of anastomosis construction. From the functional point of view, fibrin glueing of the tubes can be considered as good as microsurgical suturing. Another study is planned to examine whether this is also true from the morphological viewpoint. It must be remarked that fibrin glueing does not appear to be suitable for anastomoses in which a lumen-adjusting technique is needed or for deep tubocornual or intramural anastomoses.