

# **Postoperative adhesion formation following ovarian reconstruction with fibrin glue in the rabbit.**

Authors: Bilgin T., Cengiz C., Demir U.

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## **Abstract:**

To compare postoperative adhesion formation following ovarian reconstruction with fibrin glue or the microsurgical suturing technique, an experimental study was performed on sixteen adult female rabbits. While left ovaries were reapproximated with 6-0 coated polyglactin using a microsurgical technique, right ovaries were reconstructed with fibrin glue following ovarian bisection. Four weeks later, second-look laparotomies were performed to evaluate the adnexal adhesions. These were scored according to the American Fertility Society classification. Mean adnexal adhesion scores were 8.2 +/- 2.3 in the sutured ovary and 5.0 +/- 1.1 in the glued ovary ( $p > 0.05$ ). Ovarian reconstruction with fibrin glue does not reduce postoperative adhesion when compared with the usual suturing technique.