

# **Autologous fibrin adhesive in experimental tubal anastomosis.**

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## **Abstract:**

Objective-To evaluate autologous fibrin in rabbit oviduct anastomosis versus 7-0 vikryl, a conventional suture material used in tubal anastomosis. Methods-Thrombin was added to the autologous fibrinogen at the site of anastomosis to obtain a tissue adhesive. The anastomotic time, pregnancy rate, and litter size were evaluated. Three months later, a relaparotomy was done to evaluate patency and degree of adhesions, and a tubal biopsy was taken from the site of anastomosis. Results-Analysis of results showed a statistically significant ( $P < .001$ ) shortened anastomotic time and superior histopathological union in the tissue adhesive group. Patency rate, pregnancy rate, and degree of adhesions were comparable in both groups.