

Comparative effects of different methods of anastomosis on rat uterine horn.

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Abstract:

This study compares the results of microsurgical uterine horn anastomosis performed using fibrin glue (FK-1), 8/0 Prolene sutures, or fibrin glue in combination with 8/0 Prolene sutures. Thirty-two rats were divided into three groups. Three results were studied: frequency of adhesion formation in the area of anastomosis, uterine horn patency, and pregnancy rates. Compared with microsurgical sutures, fibrin glue used for the anastomosis of uterine horns in rats results in identical pregnancy and patency rates. Moreover, the formation of adhesions was significantly lower and the duration of surgery was shortened.