

Reproductive function after reconstructive surgery on rat uterine horns.

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Publication Date: 1994

Abstract:

Objective - To assess the effectiveness of tuboplasty procedures employing fibrin glue. Methods - Experimental tuboplasty operations were performed on 63 rats using biological glues (fibrin glue - 'Beriplast' Behring; 'FK-I', Russia) and microsuture materials. Uterine horn patency, adhesion formation, and other changes at the site of anastomosis, as well as pregnancy rate and embryonal characteristics, were assessed. Conclusions - We confirmed the effectiveness of fibrin glue application in reconstructive surgery on uterine horns, and documented no significant differences between microsuture and sutureless anastomoses with regard to pregnancy rates (80 and 83.3%, respectively).