[Comparison of different types of ovarian wound closure in rats. Role

of biological glue]. [French]

Authors: Bruel D, Gadonneix P, Tranbaloc P, Villet R

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Abstract:

Three techniques for closing the ovary have been compared. The test was carried out on 30 rats'

ovaries. After the ovary had been cut with scissors it was closed with rapid acting Tissucol (a

biological glue) or closed with interrupted stitches of 10/0 Vicryl, or left to close by itself. Sixty days

later the ovaries were looked at macroscopically and histologically. The macroscopic score was

established according to the presence of adhesions, the size of the ovary, the presence of cysts;

and the histological score was carried out according to the presence of granulomatous macrophage

lesions, the degree of fibrosis and the existence of germ cell cysts. The results were identifically the

same as far as these five different criteria were concerned. All the same, Tissucol brought about

less fibrosis and less atrophy of the ovary. Tissucol, therefore, is a good alternative for suturing the

ovary as compared with stitching or no formal closure after the removal of ovarian cysts, particularly

laparoscopically.