

# **Laparoscopic management of large ovarian endometrial cyst: use of fibrin sealant.**

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Publication Date: 1991

## **Abstract:**

In order to prevent postoperative adhesions often present after CO<sub>2</sub> laser vaporization of large endometriomas, 62 patients with endometriomas greater than 3 cm diameter were treated with a new procedure. Partial cystectomy was performed using the CO<sub>2</sub> laser. Residual endometrial cyst was then vaporized. After laparoscopic vaporization of the interior cyst wall, a fibrin glue (Tissucol) was injected onto the vaporized area to close laparoscopically the ovarian cyst cavity. When performed, second-look laparoscopy demonstrated healing of the ovary without any periovarian adhesions. The incidence of periovarian adhesions was significantly lower ( $p$  less than 0.01) than in the group of women treated by laparoscopy and in whom the glue was not used to close the ovarian cyst cavity.