

# Simultaneous TAPP and ovarian cystectomy in women

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The wide possibilities of laparoscopy allow surgical treatment of two or more diseases at the same time, in particular, to perform ovarian cystectomy during TAPP.

**Purpose.** To improve the surgical treatment of combined inguinal hernia and ovarian cyst.

**Materials and methods.** In the clinic of the Department of Surgery and Proctology of the National University of Health Care of Ukraine, 45 women with inguinal hernia combined with ovarian cyst (follicular, corpus luteum or endometrioid) were treated in the period 2019-2024. The patients' age was 25-45 (mean  $34 \pm 1.2$ ). The diagnosis of inguinal hernia and ovarian cyst was based on pelvis and abdominal wall ultrasound and MRI. Depending on the surgical technique, the patients were divided into 2 groups. 23 patients of group 1 underwent simultaneous TAPP and ovarian cystectomy. 22 patients of group 2 underwent only TAPP.

**Results.** Immediate and long-term outcomes were assessed by considering postoperative complications, chronic postoperative pain, and hernia recurrence.

In group 1, seromas were observed in 2 patients (8.6%), chronic inguinal pain was in 2 patients (8.6%). In group 2 one patient had seroma (4.3%), 2 patients had chronic inguinal pain (8.6%). There were no mesh infection, hernia recurrence and abdominal complications in both groups.

Simultaneous TAPP and ovarian cystectomy do not affect the incidence of postoperative complications, prevent further operations for ovarian cysts and prove the effectiveness of this technique.

**Conclusion.** Simultaneous TAPP and ovarian cystectomy improves surgical treatment of inguinal hernias combined with ovarian cysts.