

An experience of surgical treatment for urogenital endometriosis.

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Introduction: Endometriosis is one of the most common gynecological diseases among women mainly of reproductive age. Severe forms of infiltrative endometriosis occurring in 5 to 12%. Urinary system involvement in infiltrative process can be detected in 18-52% of cases. Key symptoms of urogenital endometriosis are constant pain syndrome, dysmenorrhoea, dyspareunia, infertility, inappropriate urination, hematuria.

Laparoscopic and robot-assisted surgery for the treatment of urogenital endometriosis creates conditions for the most careful and adequate removal of involved tissues due to improved visualization, precision in movement and ideal access to the diseased tissues.

Materials and methods: from 2011 to 2016 in the clinic 183 surgeries with different localization of infiltrative endometriosis were performed. The average age of the patients was 33.8 years. Urinary tract involvement were detected in 27 (14,75%) cases: ureter wall was involved in infiltrate in 15 cases (8,2%); bladder wall was affected in 12 cases (6,55%). Most times, urogenital endometriosis goes together with retrocervical and rectovaginal localization of endometriotic infiltrative lesions.

Results: Among 183 procedures laparoscopy were performed in 149 cases, laparotomy in 15 cases. During the last 2 years, 19 patients were underwent surgery with robotic complex DaVinci Si. In 126 cases (68,85%) ureterolysis was performed; in 7 cases (3,82%) the resection and suturing of the bladder were carried out, ureter stenting was conducted in 7 cases (3,82%). Among patients who desired conception after the surgery total conceive rate was 59% (IVF + spontaneously)

Conclusion: robot-assisted surgery for treatment of urogenital endometriosis is an ideal approach (access).

Gynecologists are still facing the problem of treatment for urinary tract affected by deep infiltrative endometriosis; it is diagnosed in 14,8 % of cases. Early diagnostics, proper treatment and the effectiveness of surgical procedures are very important for treatment of urogenital endometriosis and show good reproductive outcomes.

Keywords : infiltrative endometriosis, ureterolysis, surgical outcomes

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