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**Introduction & Objectives**: In the modern world, there are various methods in the treatment of localized forms of prostate cancer (PCa). However, robot-assisted RP techniques using the da Vinci system are gaining popularity. To evaluate the first oncological and functional results of robotic-assisted RP.

**Materials & Methods**: We have conducted a study of more than 500 robotic-assisted prostatectomies performed since January 2018 at the Clinic of the Belarusian State Medical University. We analyzed the following indicators: time of surgery, degree of blood loss, conversion of surgery, duration of bladder catheterization, number of bed-days in the hospital, level of intra- and postoperative complications, as well as oncological and functional results.

**Results**: The duration of the operation is on average 90-110 minutes, the average amount of blood loss is 70 ml. In our series, 324 (72%) patients underwent RALP without preserving the neurovascular bundles, and 126 (28%) using a nerve-sparing technique. Lymphadenectomy was performed in 153 (34%) patients. The average duration of postoperative analgesia was 2.0 days. The duration of bladder catheterization averaged 5-7 days. On pathological examination, extracapsular tumor growth - in 14.0%, invasion into the seminal vesicles - in 25.8% of the observed. Tumor involvement of regional lymph nodes was detected in 43 (28.1%) patients. In our series, after 6 months, 77.9% of the subjects fully retained their urine, and after 12 months - 88%. During the entire follow-up period, erectile function recovered in 46 of 126 patients who underwent nerve-sparing surgery. During the operation, conversion was required in two cases due to uncontrolled bleeding. The average length of hospital stay was 7.5 days.

**Conclusions**: In the modern world, the number of robotic operations is growing steadily. We can already say that robotic-assisted interventions for prostate cancer are a worthy alternative to open and laparoscopic surgeries.