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ROBOT-ASSISTED PARTIAL CYSTECTOMY FOR BLADDER PAIN

Introduction
Endometriosis is defined as the presence of functionally active endometrial tissue outside the uterine cavity. Urinary endometriosis occurs in 16 -24% of women but only 1% of them present urological symptoms (1). Bladder involvement accounts for 85%, ureter for 10%, kidney for 4% and urethra for 2% (2, 3).

Design
A 32 year-old female patient with a history of superficial endometriosis treated by coagulation on laparoscopy and LH-RH analogues was referred for bladder pain and dyspareunia. Urine analysis showed hematuria and upon examination, a tender nodule was palpated on the anterior vaginal wall. At cystoscopy, the nodule on the bladder wall had a typical bluish color. Magnetic resonance imaging confirmed the presence of a 18 x 13 mm nodule on the left side of the bladder dome. This video describes the surgical steps required to completely remove this endometriotic nodule by partial cystectomy through robot-assisted laparoscopy which cured the symptoms.

Results

Conclusion
Robotic assistance during laparoscopy provides better 3D visualization and improves surgical dexterity such that lesion identification, resection and bladder suture become easier, making technically challenging procedures accessible to most surgeons.

References
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Disclosures
Funding: None **Clinical Trial:** No **Subjects:** HUMAN **Ethics Committee:** Besançon University Medical Centre Ethical Committee **Helsinki:** Yes **Informed Consent:** Yes