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Laparoscopic Ureteroneocystostomy with Vesicopsoas Hitch in 10 Steps - for Infiltrative Endometriosis of the Distal Ureter.

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Abstract

OBJECTIVE: Laparoscopic ureteroneocystostomy with a vesicopsoas hitch has the advantages of minimally invasive approach. The standardization and the description of the technique is the main objective of this video. We described this procedure in 10 steps, which could help to understand and perform this procedure.

METHODS: This video presents the approach to laparoscopic ureteroneocystostomy with vesicopsoas hitch, which was clearly divided in ten steps. IRB approval. The local IRB was consulted and ruled that approval was not required for this video article, because the video describes a technique, it does not report a clinical case, the patient cannot be identified and she gave her informed consent.

RESULTS: Step 1: Identification of the healthy ureter
Step 2: Identification of the stenotic part
Step 3: Section of the ureter
Step 4: Bladder mobilisation
Step 5: Anterior cystostomy
Step 6: Psoas hitch
Step 7: Closure of the anterior cystostomy
Step 8: Posterior spatulation of the ureter
Step 9: Cystostomy of the superolateral bladder dome
Step 10: Ureteral suture to the bladder
CONCLUSIONS: Laparoscopic ureteroneocystostomy with a vesicopsoas hitch is an effective technique for intrinsic ureteral endometriosis, it usually needs ureteral resection with end-to-end reanatomosis or reimplantation if the anastomosis is in tension. The ten steps help to perform each part of surgery in logical sequence making procedure faster to adopt and learn. Standardization of laparoscopic techniques could help to reduce learning curve.