

## SINGLE-PORT TRANSVESICAL EXCISION OF FOREIGN BODIES

### Synopsis of Video

We present a novel technique of foreign body removal in the bladder laparoscopically through a single-port placed directly into the bladder.

### Hypothesis / aims of study

Managing foreign bodies of the bladder can be technically challenging. Often times, these foreign bodies are a result of trocar passage through the bladder during midurethral sling and prolapse procedures. Attempts at cystoscopic removal of mesh from midurethral slings may leave residual mesh within the detrusor, which may cause future stone formation, infections or irritable voiding symptoms. Traditionally, removal involves opening the bladder, removing the mesh under direct vision, and placement of a suprapubic tube.

### Study design, materials and methods

The Triport (Advanced Surgical Concepts, Bray, Ireland) allows simultaneous passage of three instruments through a single laparoscopic port. The port is placed directly into the bladder after it is maximally filled. Using flexible instruments designed for use with the single-port system, mesh material is grasped and dissected through the detrusor. Once all foreign material is removed, hemostasis is confirmed and the port is removed. The small cystotomy is less than 2cm and can be closed under direct vision.

### Results

Patients treated with this novel approach can be managed in the outpatient setting. No suprapubic catheter is necessary, and foley drainage for 1 week is sufficient.

### Interpretation of results

We have performed this technique to remove mesh from sling procedures in the bladder in two patients. Operating time is only slightly longer than an open technique and we have achieved excellent results.

### Concluding message

Removal of foreign bodies of the bladder through a single transvesical laparoscopic port is a technically feasible procedure and offers excellent visualization especially near the bladder neck, where mid-urethral sling material is often found. This approach offers patients a minimally invasive approach through a single small incision.

<b><i>Specify source of funding or grant</i></b>	<b>None</b>
<b><i>Is this a clinical trial?</i></b>	<b>No</b>
<b><i>What were the subjects in the study?</i></b>	<b>HUMAN</b>
<b><i>Was this study approved by an ethics committee?</i></b>	<b>Yes</b>
<b><i>Specify Name of Ethics Committee</i></b>	<b>Institutional Review Board, Cleveland Clinic</b>
<b><i>Was the Declaration of Helsinki followed?</i></b>	<b>Yes</b>
<b><i>Was informed consent obtained from the patients?</i></b>	<b>Yes</b>