

Cystoscopy

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Open on
phone

WHAT IS THIS PROCEDURE?

Cystoscopy: a camera (cystoscope) goes through the urethra into the bladder so the surgeon can look at the urethra, prostate and bladder lining. No cuts are needed.

Retrograde pyelogram (RPG): sometimes added. A thin tube is passed up into the ureter and dye is injected while X-ray pictures are taken, to outline the ureter and kidney.

Afterward: most patients go home the same day without a catheter.

KEY POINTS

- **Start with the 22 Fr sheath (default) and the 30° lens.** Have the 70° lens ready in the room.
- **Saline, no pressure bag.** Irrigation runs by gravity.
- Lubricating jelly on a blue towel.
- **If retrogrades are booked: C-arm in the room and set up before the patient comes in.** See the retrograde section below.

SUPPLIES

Open

- Cysto set
- 22 Fr sheath (default)
- 30° lens
- Storz camera, GloShield, cysto pack
- Saline irrigation, 3000 mL
- Lubricating jelly on a blue towel
- 60 mL catheter-tip syringe
- Surgical jumpsuit (plastic overalls)

Available in room, open only if asked

- 70° lens (in the room, ready to go)
- Foley 18 Fr 2-way
- Van Buren and Goodwin sounds
- Flexible cystoscope (if supine)

IF RETROGRADE PYELOGRAM

Open

- C-arm (set up before the patient comes in), C-arm drape
- Contrast: Omnipaque 300 mgI/mL, 30 mL, diluted 50/50
- Ureteral catheter: 6 Fr open-ended (white)

Available in room, open only if asked

- Sensor wire
- Rigid ureteroscope

If sending urine for cytology or culture

- Whistle-tip ureteral catheter, a separate one for each kidney.
- Sterile specimen cups, labeled right or left.
- Cytology and culture each go with their own slip.

GLOVES

- 7.5.
- Surgical jumpsuit (plastic overalls).

ANESTHESIA

- MAC or general anesthesia.
- For local cases: 2% lidocaine jelly (Urojet).
- Perioperative antibiotics: cefazolin (Ancef) 2 g IV, unless contraindicated.

POSITIONING

- Dorsal lithotomy in Yellofin stirrups.
- Left arm tucked.
- SCDs on.
- If done supine: flexible cystoscope needed.

PREP AND DRAPE

- Povidone-iodine (Betadine) scrub and paint: pubis, perineum, upper third of thighs, and genitals. For female patients, paint only in the vagina.
- After the prep, dry the perineum and place the lithotomy drape.
- **Do not place towels under the drape.** Towels let the drape slip and fall, which contaminates the field.
- Please continue draping after the prep; no need to wait for the surgeon.

IRRIGATION

- Saline.
- No pressure bag.