

Genitourinary Grossing Guidelines

Specimen Type: CYSTECTOMY/ANTERIOR EXENTERATION (FEMALES)

Procedure:

1. Note overall dimensions of specimen, including bladder, uterus, vaginal wall, ovaries, fallopian tubes, and ureters.
2. Take ureteral and urethral and vaginal resection margins (ureteral margins are often closed with clamps).
3. Ink the bladder surgical margins
 - a. left-blue
 - b. right-black
 - c. **Do not ink the serosa that covers the bladder at the superior-posterior aspect.**
4. Ink the uterine, parametrial, and vaginal margins:
 - a. left-blue
 - b. right-black
5. Open the bladder with Y-shaped incision, anteriorly:
 - a. Do not touch mucosal surfaces until well fixed, as the mucosa is easily denuded.
 - b. Look up the location of tumor in the patient's chart to avoid cutting through the tumor;
 - c. Open ureters with scissors, inspect the ureteral mucosal surface.
6. Photograph the specimen.
7. Describe tumor: location, size, number, demarcation, characteristics (papillary/flat/nodular/ulcerated), extent of invasion, distance from inked deep margin, distance from ureteral orifice, and invasion into uterus or vaginal wall.
8. Section uterus, fallopian tubes, and ovaries per standard protocol.
9. Describe mucosa away from tumor.
10. Look for lymph nodes in perivesical fat.

Gross Template:

Labeled with the patient's name (**), medical record number (**), designated "****", and received [fresh/in formalin] is a(n) [*intact/disrupted/previously incised*] cystohysterectomy with [*attached/separately received*] [*total/supracervical*] hysterectomy measuring ** x ** x ** cm in greatest overall dimensions. The bladder measures ** x ** x ** cm. The right ureter measures ** cm in length x ** cm in diameter. The left ureter measures ** cm in length x ** cm in diameter. The uterus measures [** cm (cornu-cornu) x ** cm (fundus-lower uterine segment) x ** cm (anterior - posterior)]. The cervix measures ** cm in length x ** cm in diameter. The endometrial cavity measures ** cm in length, up to ** cm wide. The endometrium measures ** cm in average thickness. The myometrium ranges from ** to ** cm in thickness. The right ovary measures ** x ** x ** cm. The left ovary measures ** x ** x ** cm. The right fallopian tube measures ** cm in length [*with/with out*] fimbriae x ** cm in diameter, with a ** cm average luminal diameter. The left fallopian tube measures ** cm in length [*with/with out*] fimbriae x ** cm in diameter, with a ** cm average luminal diameter. The anterior vaginal wall measures ** x ** x ** cm.

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The bladder is opened along the anterior aspect to reveal a [***x***cm] [*mass-(papillary, solid, flat), ulcer, area of fibrosis*] located in the [*trigone, dome, right/left lateral wall, anterior wall*]. The mass [*involves/ does not involve*] the [*right and/or left*] ureteral orifices (*describe if ureteral orifices are patent or obstructed*). Sectioning reveals the mass has a [*describe cut surface-hemorrhage, necrosis*] and a *** cm maximum thickness. The mass [*is grossly superficial, extends into the bladder wall, extends into the perivesical fibroadipose tissue, extends into the uterus, anterior vaginal wall*] and measures *** cm from the inked soft tissue margin and *** cm.

The remaining bladder mucosa is (*unremarkable, edematous*). The anterior vaginal wall is [*pink-tan, and unremarkable, describe presence of lesions*]. The endometrium is [*tan-red, unremarkable, describe presence of lesions*]. The myometrium is [*tan, yellow, and unremarkable, remarkable for-describe leiomyomas/cysts/etc*]. The right and left fallopian tubes are [*grossly unremarkable, remarkable for adhesions, show evidence of prior tubal ligation, etc*]. The myometrium is [*tan-pink, unremarkable, describe presence of lesions*]. The cervix is [*grossly unremarkable, presence of Nabothian cysts, lesions*]. The right and left ovary are [*unremarkable, show atrophic changes, describe presence of lesions*]. [*Number*] lymph nodes are identified. Representative sections are submitted [*describe cassette submission*]. Gross photographs are taken.

Ink key:

Black right soft tissue margin
Blue left soft tissue margin

Cassette Submission: 15-20 cassettes

- Ureteral resection margins (en face)
- Urethral resection margin (en face)
- Tumor
 - o 2 sections of tumor with deep margin at area of deepest invasion
 - o 2 sections of tumor with adjacent uninvolved mucosa
 - o 1 section with nearest ureteral orifice, if applicable
 - o 2 sections of tumor with uterus and/or vagina, if involved
- One representative section each of uninvolved mucosa
 - o Anterior wall
 - o Posterior wall
 - o Trigone
 - o Dome
 - o Left lateral wall
 - o Right lateral wall
 - o Longitudinal section of each ureteral orifice
- ** Submit any erythematous mucosa separate from the tumor
- ** Some of these areas may have been sampled in relation to tumor. If you have done so, please do not over submit normal sections
- All lymph nodes (perivesical lymph nodes occasionally are present)

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- Uterus
 - Parametrial margins (separate cassettes for right and left), if present
 - Anterior cervix
 - Posterior cervix
 - Anterior uterine corpus, full thickness
 - Posterior uterine corpus, full thickness
 - Anterior or posterior fundus, full thickness
- Right fallopian tube and right ovary
- Left fallopian tube and left ovary
- Vaginal wall (if present), focusing on invasion or closest approach of tumor. Mention the location where the tumor approaches the closest vaginal margin, if applicable (*i.e. right/left/anterior/posterior*)