

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:

MMODAL COMMAND: "INSERT BLADDER AND UTERUS"

It consists of an [*intact/disrupted/previously incised****] cystohysterectomy with [*attached/separately received****] [*total/supracervical****] hysterectomy, measuring [*measure in three dimensions****] cm in greatest overall dimensions. The bladder measures [*measure in three dimensions****] 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 weighs [*weigh****] grams and 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 and up to [***] cm in width. The endometrium measures [***] cm in average thickness, and is [*describe color and appearance****]. The myometrium ranges from [*smallest to largest****] cm in thickness. The right fallopian tube measures [***] cm in length x [***] cm in diameter, [*with/without****] fimbriae. The left fallopian tube measures [***] cm in length x [***] cm in diameter [*with/without****] fimbriae. The right ovary weighs [***] grams and measures [*measure in three dimensions****] cm. The left ovary weighs [***] grams and measures [*measure in three dimensions****] cm.

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 lesion

Genitourinary Grossing Guidelines

[involves/ does not involve***] the [right and/or left***] ureteral orifices [describe if ureteral orifices are patent or obstructed in relation to the mass***]. Sectioning reveals the lesion to have a [describe cut surface-hemorrhage, necrosis***] cut surface and a [***] cm maximum thickness. The lesion [is grossly superficial, extends into the bladder wall, extends into the perivesical fat, extends into the uterus, etc.***]. The lesion measures [***] cm from the inked soft tissue margin, [***] cm from the left ureter margin, [***] cm from the right ureter margin, and [***] cm from the urethral margin. The remaining bladder mucosa is [unremarkable, edematous***].

The uterine serosa is [pink-tan and smooth***]. The endometrium is [pink-red and unremarkable, or describe involvement with bladder lesion - describe location, if anterior, posterior, uterine fundus/corpus***], located [measure distance to right and/or left parametrial margin***]. The lesion [does/does not***] involve the lower uterine segment, and is located [***] cm from the cervical mucosa. The remaining uninvolved endometrium measures [***] cm in average thickness, and is [describe color and appearance, or if completely replaced by the lesion***]. The myometrium ranges from [smallest to largest***] cm in thickness, and is [describe color, trabeculation, cysts, nodules***]. [If nodules are present, describe if intramural, transmural, or subserosal, range in sizes, and cut surface appearance, with absence or presence of hemorrhage, calcification or necrosis***].

[Number] lymph nodes are identified [insert range of greatest dimension***]. Representative sections are submitted. Gross photographs are taken.

INK KEY:

Black Right soft tissue
Blue Left soft tissue

[insert cassette summary***]

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)
- Uterus

Genitourinary Grossing Guidelines

- 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*)