Genitourinary Grossing Guidelines

**Specimen Type:** NEPHRECTOMY For Tumor

**Gross Template:**
Labeled with the patient’s name (***), medical record number (***), designated “***”, and received [fresh/in formalin] is a [right, left] ***g, *** x *** x *** cm total nephrectomy. The kidney alone measures *** x *** x *** cm. The ureter measures *** cm in length x *** cm in diameter. The renal artery measures *** cm in length x *** cm in diameter. The renal vein measures *** cm in length x *** cm in diameter. [Describe adrenal gland if present- weigh and measure].

Sectioning reveals a [describe mass- size, focality, color, consistency, circumscription, encapsulation, necrosis, hemorrhage] located in the [upper, lower pole or centrally]. The mass extends [into the perinephric fat, to Gerota’s fascia, into the pelvicalyceal system, into the renal artery and/or vein, adrenal gland, other]. The mass [does/ does not] extend into the renal sinus adipose tissue. [Describe satellite nodules]. The mass measures *** cm from Gerota’s fascia/perinephric fat margin, *** cm from the renal vein margin, and *** cm from the ureteral margin.

The remaining parenchyma is [unremarkable, or describe additional pathology]. The corticomedullary junction is [distinct/ poorly defined]. The pelvicalyceal system [is/ is not] dilated. Calculi [are/ are not] present [describe obstruction and dilation of calyces if present]. The mucosa of the collecting system is [smooth, roughened, granular, thickened, other]. The ureter [describe stenosis, dilation, lesions present]. The vessels are remarkable for [plaque, thrombus, other, unremarkable].

No additional lesions or masses are identified. A portion of tissue is held in glutaraldehyde for possible future electron microscopy studies. A portion of tissue is submitted in RPMI for cytogenetics studies. Representative sections are submitted [describe cassette summary]. Gross photographs are taken.

**Ink key:**
Capsule/Gerota’s fascia/perinephric fat: black

**Cassette Submission:** 8-10 cassettes
- One cassette of vascular and ureteral margins, shave
- Tumor sections: 1 section per 1 cm of the greatest dimension of tumor
  - Sections to demonstrate the perinephric fat invasion
  - Sections to demonstrate sinus fat involvement
  - Sections to demonstrate vascular invasion
  - Sampling areas of different color and consistency.
- Additional sections should be taken as needed
  - Sections of satellite nodules
- One cassette of non-neoplastic parenchyma (at least 2 cm away from tumor)
- One cassette of adrenal gland (if present)
- Submit all hilar lymph nodes (if present)

- **WILM'S TUMOR**
  - 1 section per 1 cm of tumor, up to 8 cassettes
  - Note: Any small foci beneath the capsule or adjacent to the pyramids may represent nodular renal blastema and representative sections should be obtained of these areas. As a guide, there should be one section per cm. of maximum dimension of the tumor up to 8 cm. A map of the tumor labelling the exact site of the sections taken must be included with the gross.