

## Genitourinary Grossing Guidelines

**Specimen Type:** PARTIAL NEPHRECTOMY

**Procedure:**

1. Weigh and measure overall dimensions of specimen, size of kidney tissue, and size of perinephric fat.
  2. Inspect perinephric fat for tumor extension; inspect the renal parenchymal margin for tumor involvement; note the presence or absence of renal sinus fat.
    - a. Ink renal parenchymal margin in blue
    - b. Ink perinephric fat margin in black
  3. Serially section the specimen perpendicular to the long axis and perpendicular to the renal capsule or renal parenchymal margin.
  4. Describe tumor: location, demarcation, color, texture, hemorrhage/necrosis/cystic degeneration, extension into: renal sinus, vein, or perinephric fat, if applicable.
  5. Photograph the representative slices containing the largest dimension of tumor and the closest renal parenchymal resection margin.
  6. Look for additional lesions in the uninvolved kidney.
- For any solid or solid-cystic tumor > 2 cm → collect tissue for cytogenetics
    - Place order for cytogenetics (Karyotype only)
    - Place Karyotype label on RPMI container
    - Send sample to cytogenetics lab on next available courier
      - DO NOT PLACE SPECIMENS IN BACK FRIDGE OF LAB
  - For tumors < 2 cm, cystic tumor without solid component, or urothelial cancers → No need to collect tissue for cytogenetics

**Gross Template:**

**MMODAL Command:** "INSERT PARTIAL NEPHRECTOMY"

It consists of an [*intact, disrupted, previously incised\*\*\**], [*weight\*\*\**] gram, [*measure in three dimensions\*\*\**] cm, partial nephrectomy. [*mention if any orientation is provided\*\*\**]

Sectioning reveals a [*measure in three dimensions\*\*\**] cm [*describe lesion- circumscription, encapsulation, color, consistency\*\*\**]. The lesion is located [*distance\*\*\**] cm from the parenchymal margin and [*distance\*\*\**] cm from the [*capsule/perinephric fat/Gerota's fascia\*\*\**]. The mass is [*confined to the kidney/protruding into perinephric fat \*\*\**]. [*Comment on presence or absence of hemorrhage and necrosis in the tumor\*\*\**].

The uninvolved renal parenchyma displays [*unremarkable or describe additional pathology\*\*\**] cut surfaces. No additional lesions or masses are identified. A portion of tumor tissue is placed in RPMI and sent for cytogenetics studies [*delete if not collected\*\*\**]. Gross photographs are taken. Representative sections are submitted.

**INK KEY:**

Blue     Parenchymal margin  
Black    Capsule/perinephric fat margin

[*insert cassette summary\*\*\**]

## Genitourinary Grossing Guidelines

### Cassette Submission: 5-6 cassettes

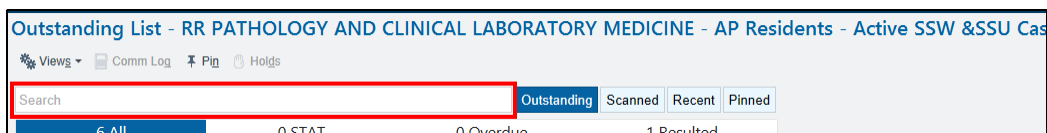
- One section of kidney away from tumor if a good portion of uninvolved kidney is present - try to include cortex and medulla. **This should be placed in cassette A1 (It will be a pink block, which includes 1 PAS stain).**
- Tumor:
  - o From areas with different color or texture
    - To include areas with necrosis
    - To include relationship to normal renal parenchyma
    - 1-2 sections with closest renal parenchymal margin
    - 1 section with perinephric fat invasion, if present
    - 1 section with renal sinus fat invasion, if present
    - 1 section with closest perinephric fat margin, if present
  - o **If the tumor is 3 cm or smaller in size – submit it entirely**

## ORDERING CYTOGENETICS


At times Cytogenetic testing needs to be performed on existing cases. This job aid describes the scenario for placing add-on Karyotype orders on existing cases.

### Placing an order for Karyotype on an existing case

1. Open the **Case** in the Outstanding List Editor
  - a. Within the Outstanding List Editor, **scan case label** to bring up case, or enter the **Case ID** in search field in the Outstanding List Editor.

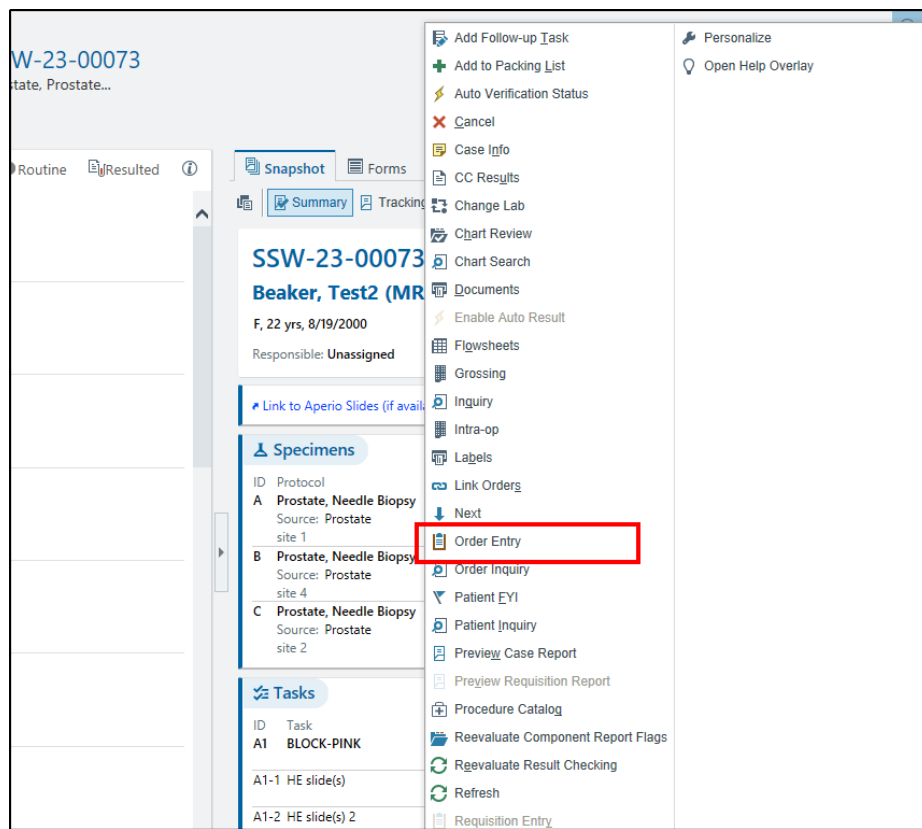


2. Verify that the correct case is open.
3. Click the **Actions** button in the top right corner of the activity.



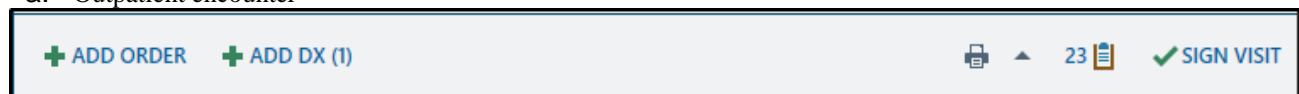
## Genitourinary Grossing Guidelines

4. Click **Order Entry**.



5. Based on the patient's encounter (Inpatient or Outpatient) you will be presented with the following:

- a. Outpatient encounter



- i. Select **Add Order**
- b. Inpatient encounter

## Genitourinary Grossing Guidelines

Brain Orders ▾

Manage Orders Order Sets Options ▾

Providers New Interactions

Place orders, order sets, or pathways + New

Verbal with readback ▾ Next

- Find the order you want to place as an add-on.

Order and Order Set Search

KARYOTYPE Browse Preference List Database

Order Sets, Panels, & Pathways (No results found) Search order sets by user

Medications (No results found)

Procedures

Name	Type	Pref List	Px Code	Cost t...
Karyotype and FISH (Oncology, Heme)	Path,Cyt	BKR IP LA...	LAB9020R	
Karyotype Only	Path,Cyt	BKR IP LA...	LAB9018R	
Karyotype and FISH (Constitutional, Postnatal)	Path,Cyt	BKR IP LA...	LAB9053R	
FISH and Karyotype (to be ordered ONLY by Bone Marrow Lab staff)		BKR IP LA...	O246440	

Select And Stay Accept Cancel

## Genitourinary Grossing Guidelines

Refer to table below for order-specific descriptions and codes.

### Cytogenetic Orders (Karyotype)

Order Name	Order Code	Order Description
<b>Karyotype Only</b>	<b>LAB9018R</b>	<b>This is the main order to be used if Karyotype is only being requested.</b>
Karyotype and FISH (Oncology, Heme)	LAB9020R	This order is to be used when both Karyotype and FISH is requested on Oncology or Hematologic cases.
Karyotype and FISH (Constitutional, Postnatal)	LAB9053R	This order is to be used when both Karyotype and FISH is requested on Constitutional or Postnatal cases.

7. Indicate the **Specimen Type** for the order.
8. Select the appropriate answers to all questions and add the relevant clinical information in the *Comments* field.

Karyotype Only

Reference Links:

- UCLA Test Directory Information - Amniotic Fluid
- UCLA Test Directory Information - Chorionic Villus Sampling
- UCLA Test Directory Information - Solid Tumor
- UCLA Test Directory Information - Blood, High Resolution
- UCLA Test Directory Information - Percutaneous Umbilical Cord Blood Sampling
- UCLA Test Directory Information - Tissue, Skin Biopsy
- UCLA Test Directory Information - Bone Marrow, Neoplastic Blood, Lymph Nodes
- UCLA Test Directory Information - Products of Conception
- Integrated Genetics - Sendout Requisition Form

Priority:

Frequency: **Once**

At:

Process Instructions: Please indicate Anatomic Location and any additional specimen specific information in the comment field next to each specimen. If you would like to add-on a test to a specimen that is already in the lab, please call Outreach Client Services 310-267-2680. Transport to the Laboratory immediately. Maintain at room temperature.

Specimen Type:

Provider #1 to CC on Lab Results:

Provider #2 to CC on Lab Results:

Provider #3 to CC on Lab Results:

Comments:

Modifiers:

[Additional Order Details](#)

9. Click **Accept** when complete.

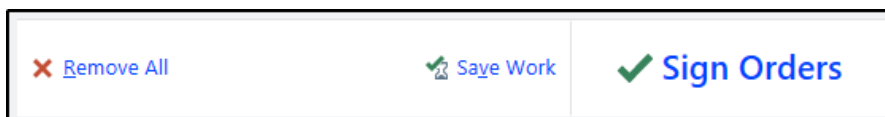
## Genitourinary Grossing Guidelines

10. Once all the order details are filled out:

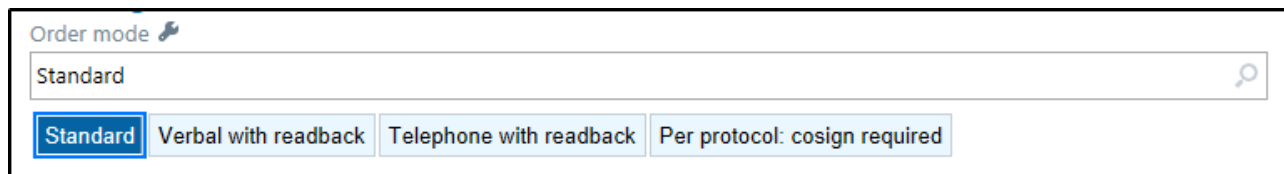
- a. Outpatient: click **Sign Orders** at the bottom of the screen.



- b. Inpatient: click **Sign Orders** at the bottom of the screen.



11. Select the appropriate **Order Mode**



12. Verify the correct **Authorizing Provider**.

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Do not select a UCLA pathologist as either the **Ordering** or **Authorizing Provider**.

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13. Click **Accept**.

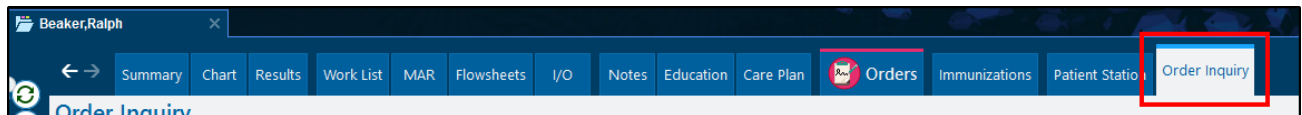
### **\*Note:**

If the add-on testing was requested by a different provider than the provider who placed the original Tissue Exam order via e- mail, telephone, or fax, you should change the name of the provider to reflect the name of the provider who is actually is requesting the add-on testing. In such case, the order mode should be changed to **Verbal with Readback**.

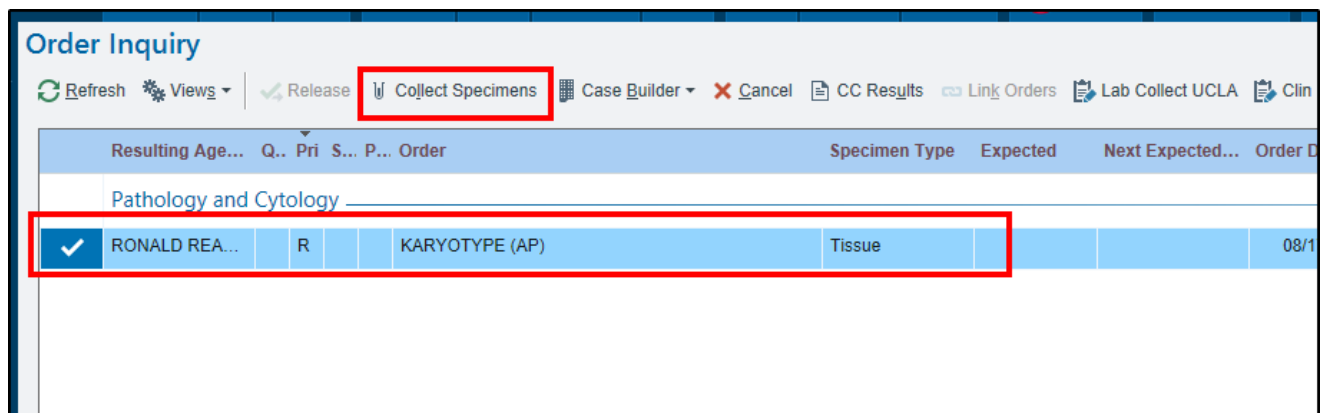
## Genitourinary Grossing Guidelines

### Specimen Collection and Label Printing

1. Within the patient's encounter, select the **Order Inquiry** tab.



2. Select the **Karyotype** order that was placed on the patient and click **Collect Specimens**.



3. Select Print Labels within the **Specimen Collection** activity.

## Genitourinary Grossing Guidelines

Specimen Collection
?

Collection Sequence

Sterile Container

Karyotype Only

Tissue Specimens

Lab: RR PATHOLOGY AND CLINICAL LABORATORY MEDICINE

**Sterile Container**

**Amniotic Fluid:** 20-30ml collected in sterile tubes. **Peripheral Blood-High Resolution:** 2ml-10ml collected in Green Top (sodium heparin) tube **Bone Marrow:** 1ml-3ml collected in Green top (sodium heparin) tube **Chorionic Villus Sampling (CVS)** 40-50 mg budding villi collected in Sterile container with Cytogenetics transport media **Percutaneous Umbilical Cord Blood Sampling:** 1ml-3ml whole blood collected in Green top (sodium heparin) tube; **Products of Conception, Solid Tumor** 5-8 mm collected in tube containing cytogenetic transport media (provided by the Laboratory). **Tissue, Skin Biopsy** 10-15 mm collected in sterile tube containing tissue culture medium (available from Cytogenetics Laboratory).

Transport to the Laboratory immediately. Maintain at room temperature.

[UCLA Test Directory Information - Amniotic Fluid](#)

[UCLA Test Directory Information - Blood, High Resolution](#)

[UCLA Test Directory Information - Bone Marrow, Neoplastic Blood, Lymph Nodes](#)

[UCLA Test Directory Information - Chorionic Villus Sampling](#)

[UCLA Test Directory Information - Percutaneous Umbilical Cord Blood Sampling](#)

[UCLA Test Directory Information - Products of Conception](#)

[UCLA Test Directory Information - Solid Tumor](#)

[UCLA Test Directory Information - Tissue, Skin Biopsy](#)

**Karyotype Only** Scheduled: 8/17/2023 0910

Comments: Enter additional clinical information if needed.

[Collect Later](#)

Procedure Catalog

Print Labels

4. Using the barcode scanner, scan the printed label to document collection.

A. Other, Enter source information

!

[Scan label or click to document collection](#)

✕

Time

Date

Collector

Department

Source

Draw Type

Other, Enter source information

Collection

Collection

Add Specimen Description

Note: If barcode scanner is unavailable, click the *Scan label or click to document collection* hyperlink and document all the appropriate fields (if needed).

5. Once the collection required collection information has been filled in, select **Receive or Accept** and the window should automatically close.

**All collections documented!**

Procedure Catalog

Reprint Labels

Collect All

Receive