

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 → do not 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***]*

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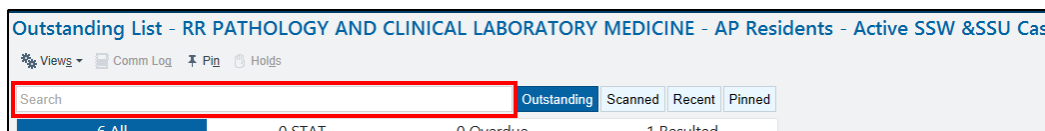
Cassette Submission: 5-6 cassettes

- 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

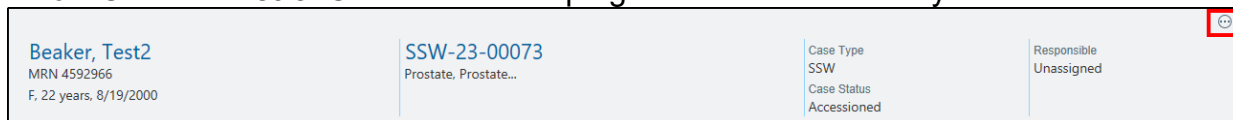
ORDERING CYTOGENETICS

A. 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.



4. Click **Order Entry**.
5. Based on the patients encounter (Inpatient or Outpatient) you will be presented with the following:

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a. Outpatient encounter

W-23-00073
state, Prostate...

Routine Resulted Snapshot Forms

Summary Tracking

SSW-23-00073
Beaker, Test2 (MR)
F, 22 yrs, 8/19/2000
Responsible: Unassigned

Link to Aperio Slides (if available)

Specimens

ID Protocol
A Prostate, Needle Biopsy
Source: Prostate
site 1

B Prostate, Needle Biopsy
Source: Prostate
site 4

C Prostate, Needle Biopsy
Source: Prostate
site 2

Tasks

ID Task
A1 BLOCK-PINK

A1-1 HE slide(s)

A1-2 HE slide(s) 2

Add Follow-up Task
Add to Packing List
Auto Verification Status
Cancel
Case Info
CC Results
Change Lab
Chart Review
Chart Search
Documents
Enable Auto Result
Figwsheets
Grossing
Inquiry
Intra-op
Labels
Link Orders
Next
Order Entry
Order Inquiry
Patient EYI
Patient Inquiry
Preview Case Report
Preview Requisition Report
Procedure Catalog
Reevaluate Component Report Flags
Reevaluate Result Checking
Refresh
Requisition Entry

+ ADD ORDER + ADD DX (1)

23 **SIGN VISIT**

i. Select **Add Order**

b. Inpatient encounter

Brain Orders

Manage Orders Order Sets Options

Providers New Interactions

Place orders, order sets, or pathways + New

Verbal with readback Next

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6. Add the “**Karyotype Only (LAB9018R)**” order.

The screenshot shows the 'Order and Order Set Search' window. The search term 'KARYOTYPE' is entered in the search bar. The 'Preference List' tab is selected. The results are categorized under 'Procedures'. The following table lists the search results:

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	

At the bottom of the window, there are buttons for 'Select And Stay', 'Accept', and 'Cancel'.

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.

The screenshot shows the 'Karyotype Only' order form. The form includes the following sections:

- Reference Links:** A list of links to UCLA Test Directory information, including Amniotic Fluid, Chorionic Villus Sampling, Solid Tumor, High Resolution, Percutaneous Umbilical Cord Blood Sampling, Tissue, Skin Biopsy, Bone Marrow, Neoplastic Blood, Lymph Nodes, Products of Conception, and Integrated Genetics - Sendout Requisition Form.
- Priority:** A dropdown menu with 'Routine' and 'STAT' options. 'Routine' is selected.
- Frequency:** A dropdown menu with 'Once' selected.
- At:** A date and time selector showing '8/11/2023' and '1850'.
- Process Instructions:** A text box with 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:** A dropdown menu with 'Blood', 'Bone Marrow', 'Body Fluid', 'Tissue', and 'Urine' options. 'Blood' is selected.
- Provider #1 to CC on Lab Results:** A text input field.
- Provider #2 to CC on Lab Results:** A text input field.
- Provider #3 to CC on Lab Results:** A text input field.
- Comments:** A text input field with a placeholder: 'Enter additional clinical information if needed.'
- Modifiers:** A text input field.
- Additional Order Details:** A section with a plus icon.

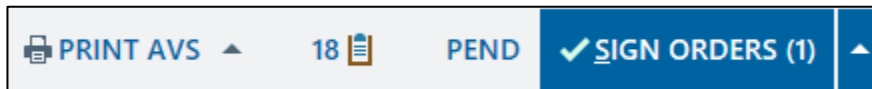
At the bottom of the form, there are buttons for 'Next Required', 'Link Order', 'Accept', and 'Cancel'.

9. Click **Accept** when complete.

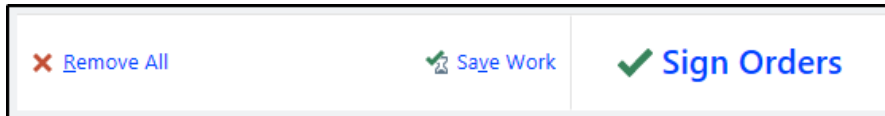
10. Once all the order details are filled out:

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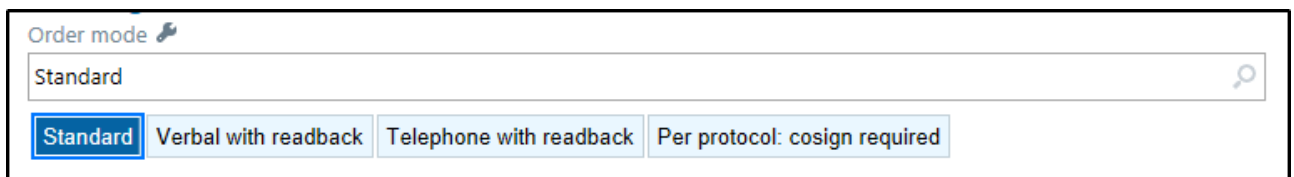
- a. Outpatient: click **Sign Orders** at the bottom of the screen.



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



11. Select the appropriate **Order Mode**



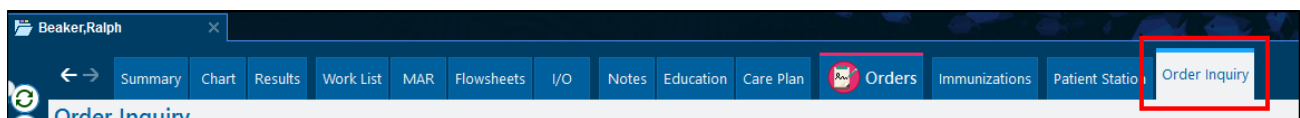
12. Verify the correct **Authorizing Provider**.

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

13. Click **Accept**.

B. Specimen Collection and Label Printing

1. Within the patients encounter, select the **Order Inquiry** tab.



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

The screenshot shows the 'Order Inquiry' window. At the top, there is a toolbar with buttons: Refresh, Views, Release, **Collect Specimens** (highlighted with a red box), Case Builder, Cancel, CC Results, Link Orders, Lab Collect UCLA, and Clin. Below the toolbar is a table with columns: Resulting Age..., Q., Pri, S..., P..., Order, Specimen Type, Expected, Next Expected..., and Order D. The table has a section for 'Pathology and Cytology'. One row is highlighted with a red box: a checkmark in the first column, 'RONALD REA...' in the second, 'R' in the third, 'KARYOTYPE (AP)' in the fourth, 'Tissue' in the fifth, and '08/1' in the last. The 'Collect Specimens' button in the toolbar is also highlighted with a red box.

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

The screenshot shows the 'Specimen Collection' window. On the left, there is a 'Collection Sequence' section with 'Sterile Container' and 'Karyotype Only'. The main area is titled 'Tissue Specimens' and contains a 'Sterile Container' section. This section includes detailed instructions for various specimen types: Amniotic Fluid, Peripheral Blood-High Resolution, Bone Marrow, Chorionic Villus Sampling (CVS), Percutaneous Umbilical Cord Blood Sampling, Products of Conception, Solid Tumor, and Tissue, Skin Biopsy. Below these instructions are several links to 'UCLA Test Directory Information'. At the bottom of the 'Sterile Container' section, there is a 'Karyotype Only' section with a 'Scheduled: 8/17/2023 0910' and a 'Comments: Enter additional clinical information if needed.' field. A 'Collect Later' button is also present. In the bottom right corner, there are two buttons: 'Procedure Catalog' and 'Print Labels' (highlighted with a red box).

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

The screenshot shows a dialog box titled 'A. Other, Enter source information'. It has a yellow header bar with the title and a red exclamation mark icon. Below the header, there is a 'Scan label or click to document collection' button. The dialog box contains several input fields: 'Time', 'Date', 'Collector', and 'Department'. Below these, there is a 'Source' section with a dropdown menu set to 'Other, Enter source information'. To the right of the 'Source' section, there is a 'Draw Type' section with two buttons: 'Collection' and 'Collection' (the second one is highlighted with a red box). At the bottom left, there is an 'Add Specimen Description' button.

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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.

