

SELF- GUIDED PRACTICE WORKBOOK [N28]
CST Transformational Learning

WORKBOOK TITLE:

Provider: Oncology (Workbook #2)



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SELF-GUIDED PRACTICE WORKBOOK

Duration	3hours
Before getting started	<ul style="list-style-type: none">■ Sign the attendance roster (this will ensure you get paid to attend the session)■ Put your cell phones on silent mode
Session Expectations	<ul style="list-style-type: none">■ This is a self-paced learning session■ A 15 min break time will be provided. You can take this break at any time during the session■ The workbook provides a compilation of different scenarios that are applicable to your work setting■ Work through different learning activities at your own pace
Key Learning Review	<ul style="list-style-type: none">■ At the end of the session, you will be required to complete a Key Learning Review■ This will involve completion of some specific activities that you have had an opportunity to practice through the scenarios.

Using Train Domain

You will be using the train domain to complete activities in this workbook. It has been designed to match the actual Clinical Information System (CIS) as closely as possible.

Please note:

- Scenarios and their activities demonstrate the CIS functionality not the actual workflow
- An attempt has been made to ensure scenarios are as clinically accurate as possible
- Some clinical scenario details have been simplified for training purposes
- Some screenshots may not be identical to what is seen on your screen and should be used for reference purposes only
- Follow all steps to be able to complete activities
- If you have trouble to follow the steps, immediately raise your hand for assistance to use classroom time efficiently
- Ask for assistance whenever needed

■ PATIENT SCENARIO 1 – LUAVPP – Order Management and Lifetime Cumulative Dosing

Learning Objectives

At the end of this Scenario, you will be able to:

- Manage Orders
- Add orders to a phase of Chemotherapy
- Re-order labs within a PowerPlan/Regimen
- Modify existing orders within a plan
- Order Dose Modifications within a PowerPlan
- Place an 'OK to proceed' order
- Review and add to the Lifetime Cumulative Dosing record
- Activate the lab phase of a PowerPlan

SCENARIO

The patient has been diagnosed with Advanced Non-Small Cell Lung cancer. She has completed Cycle 4 of LUAVPP in the outpatient chemotherapy clinic and is here for cycle 5. Her most recent laboratory results indicate an elevated creatinine and a platelet count of $99 \times 10^9/L$ which, according to the protocol, requires a delay in treatment. Since you are seeing her in the clinic on Friday and she is not scheduled for her treatment until Monday; you reorder the creatinine and place the 'Proceed With Treatment Based on Blood Work From' order. On Monday the patient's nurse calls you to report that the creatinine level remains elevated, you order a modification to the Cisplatin dose and add orders for hydration. Throughout the workbook you will be given more information on the patient enabling you to complete the activities.

Activity 1.1 – Adding individual orders and modifying an existing order.

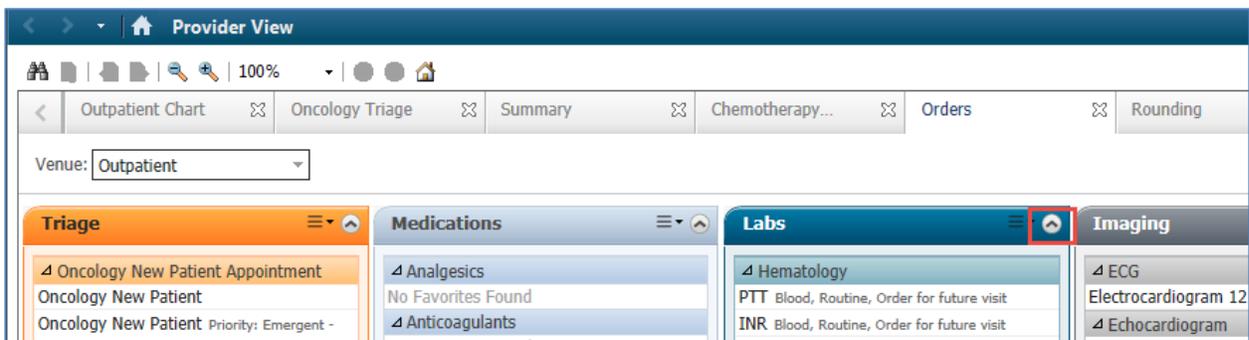
You have learned how to review and update patient information. You have also learned how to place chemotherapy orders in the Clinical Information System (CIS). Another important task is being able to enter and manage orders outside of chemotherapy Regimens and Plans. The CIS offers more than one way to place orders for a patient. The best way to place an order is via the **Orders MPage** in the **Provider View**.

Use the patient assigned to you with the last name of: Oncology-PHYB

- 1 Several components are laid out side-by-side, for example, Triage, Medications, Labs, Imaging and New Order Entry.



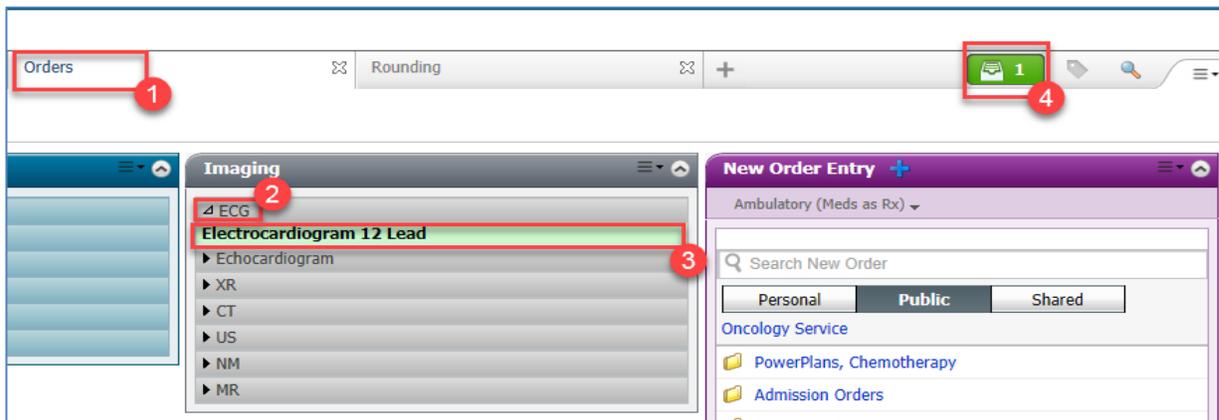
- 2 Under each component, there are folders. For example, under **Labs** there is Chemistry. Folders contain individual orders with order details already specified as order sentences. For example: *Magnesium Level Blood, Routine, Order for future visit*. Components and folders can be collapsed or expanded by clicking the arrows next to the folder.



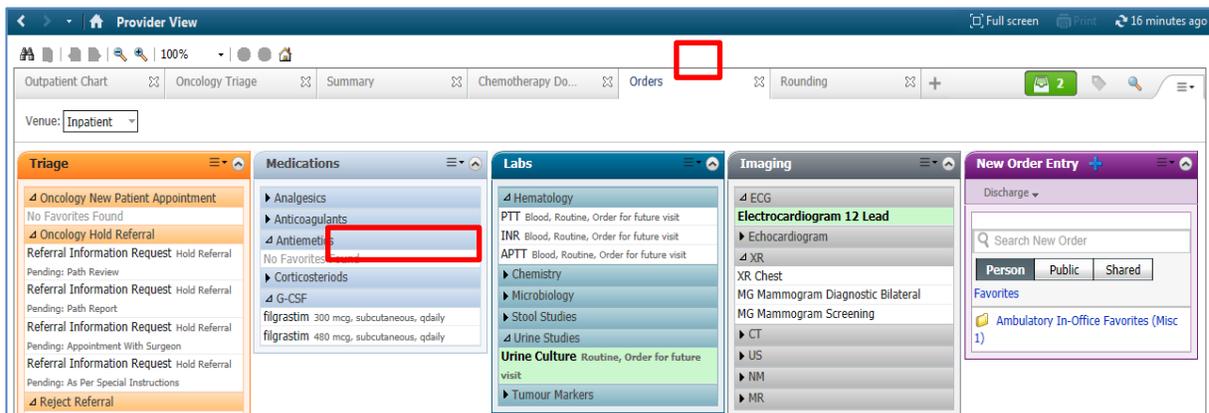
Note: there will be a 'Personalization Fair' where providers will be able to add any additional New Order under the New Order Entry Component.

3 To place a new order:

1. Ensure you are in the **Orders** MPage.
2. Expand ECG under **Imaging** component to display available orders.
3. Click 12 Lead Electrocardiogram to select.
4. The CIS will keep the selected order in memory then you can continue placing other orders. The Orders for Signature icon turns green and displays a number corresponding with the amount of orders currently waiting to be reviewed and signed.



5. Locate the Labs category and select Urine Culture under Urine Studies.
6. Click the Order for Signature  icon to complete the process.

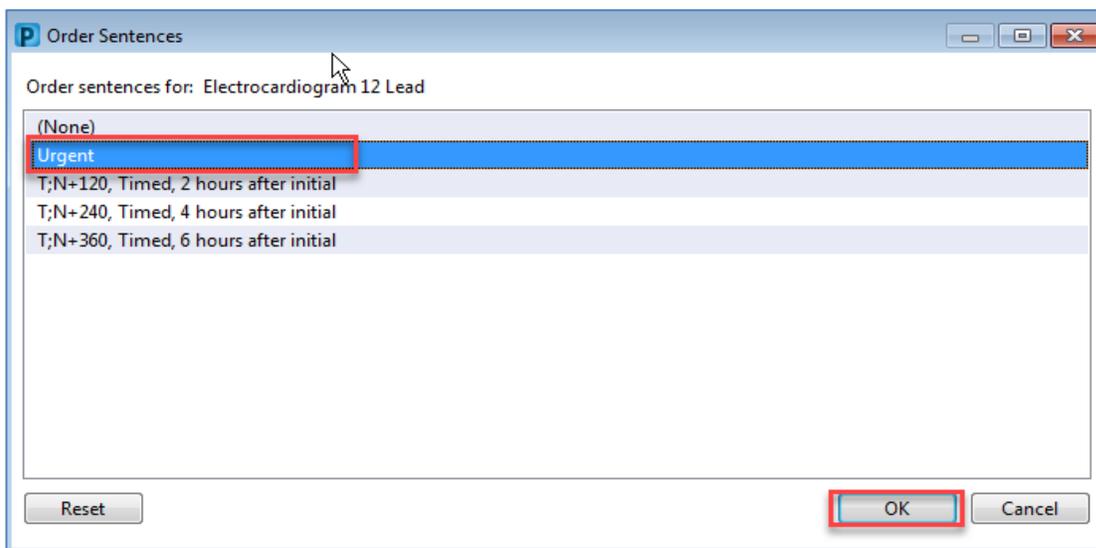


- 4 In the Orders for Signature box, click **Modify** if you would like to make adjustments to order sentences or click **Sign** to complete the process.

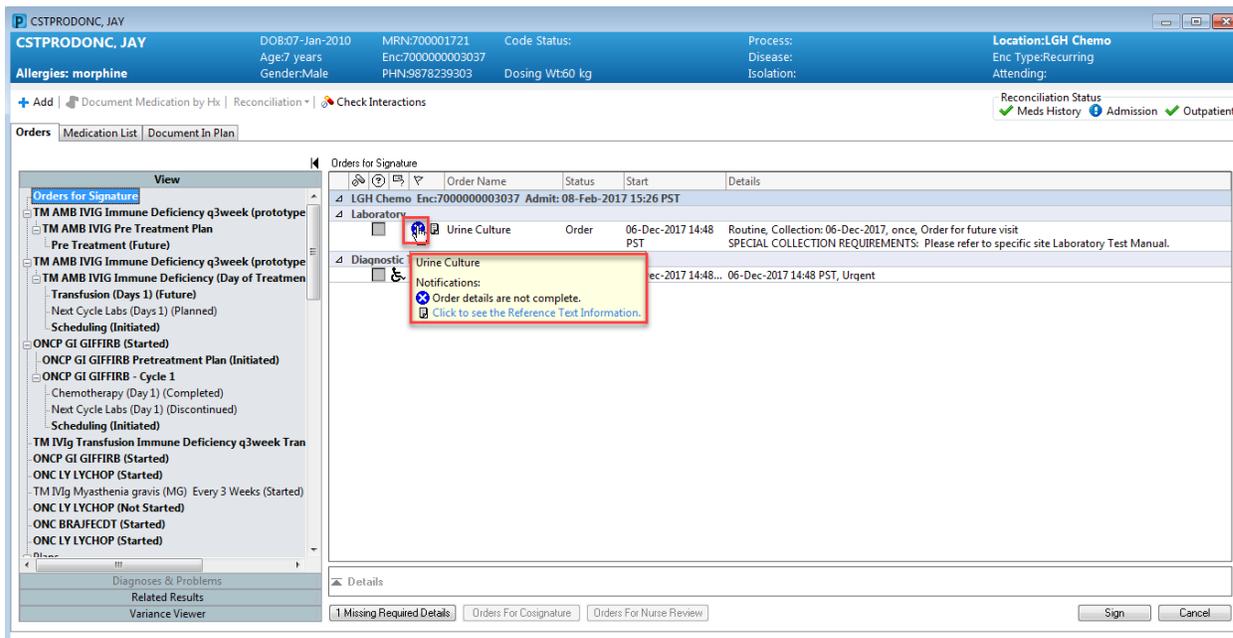


Note: If you want to remove an order listed in the Orders for Signature box, hover the cursor over the order and click the  icon.

Once you click modify another screen will appear with modifications to be made (change the order sentence for 12 Lead ECG to Urgent). Then Click **OK**.

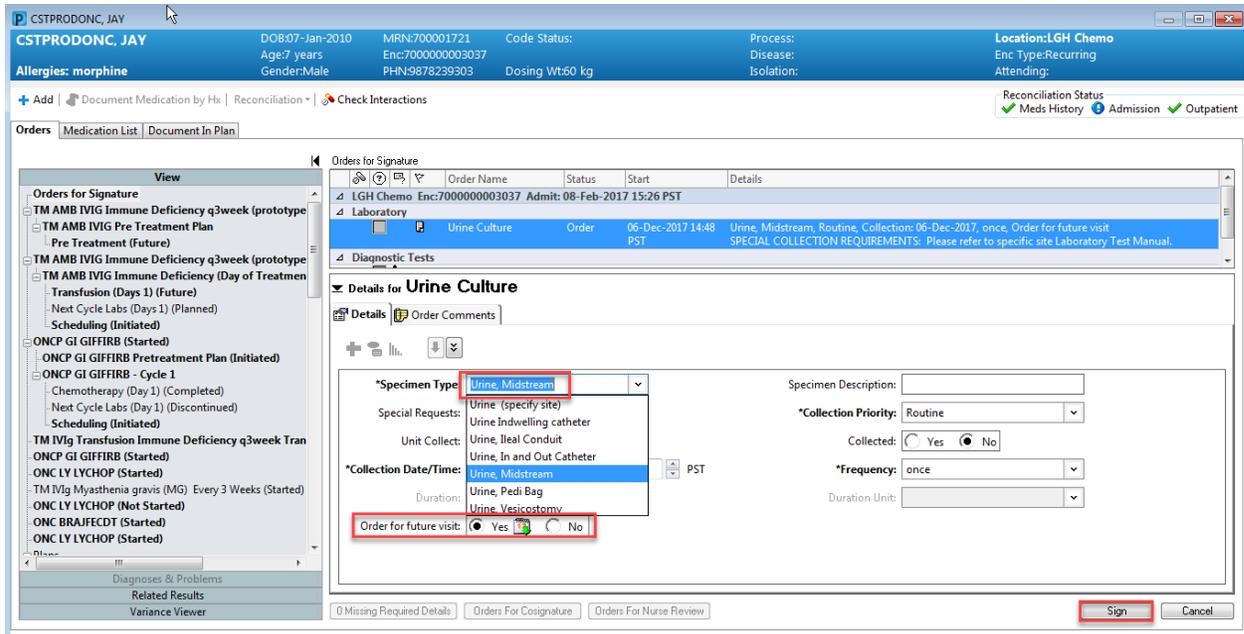


- 5 The Orders for Signature window now populates. The  icon appears and if you hover to discover you will find this icon is letting you know that the order details are not complete.



The screenshot displays the 'Orders for Signature' window in a clinical system. The window title is 'CSTPRODONC, JAY'. The patient information includes: CSTPRODONC, JAY, DOB: 07-Jan-2010, MRN: 700001721, Code Status: Enc: 7000000003037, Process: Disease: Isolation: Location: LGH Chemo, Enc Type: Recurring, Attending: Allergies: morphine, Age: 7 years, Gender: Male, PHN: 9878239303, Dosing Wt: 60 kg. The window shows a list of orders for signature, including 'Urine Culture' and 'Urine Culture'. A tooltip is displayed over the 'Urine Culture' order, indicating that the order details are not complete. The tooltip text reads: 'Order details are not complete. Click to see the Reference Text Information.' The window also shows a sidebar with a tree view of orders and a bottom status bar indicating '1 Missing Required Details'.

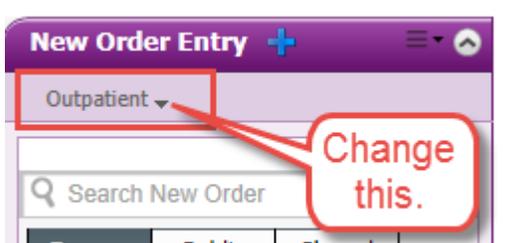
- 6 Click the order to open the Details window. **Note:** the option **Order for future visit** is already selected. Mandatory fields are marked with asterisk and yellow highlight. Add missing mandatory information and any other pertaining instructions.



Click **Sign** at the right bottom corner. The lab work requisition will be automatically printed. If you select one of the laboratories that have CIS access, the order will be placed in the queue and processed when patient visits the lab.

- 7 If you cannot locate the necessary order under any of the folders, go to the **New Order Entry** component and search for the order you need to enter. Ensure you are selecting the correct order with the appropriate order details.

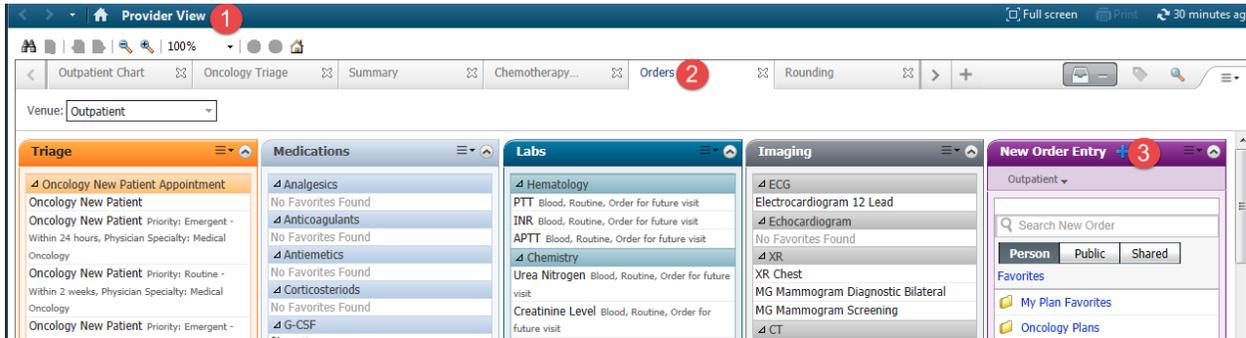
For your practice place orders for sodium chloride 0.9% 1 L bolus fluid over 1 hour and an Electrolyte Panel (Na, K, Cl, CO2, Anion Gap). Hint: you will need to change from Outpatient Prescriptions to Outpatient since these orders are not available as a prescription. Complete the Order Details and Sign for the orders.



8

To Modify an order you have placed, you have to pay attention to the order Status.

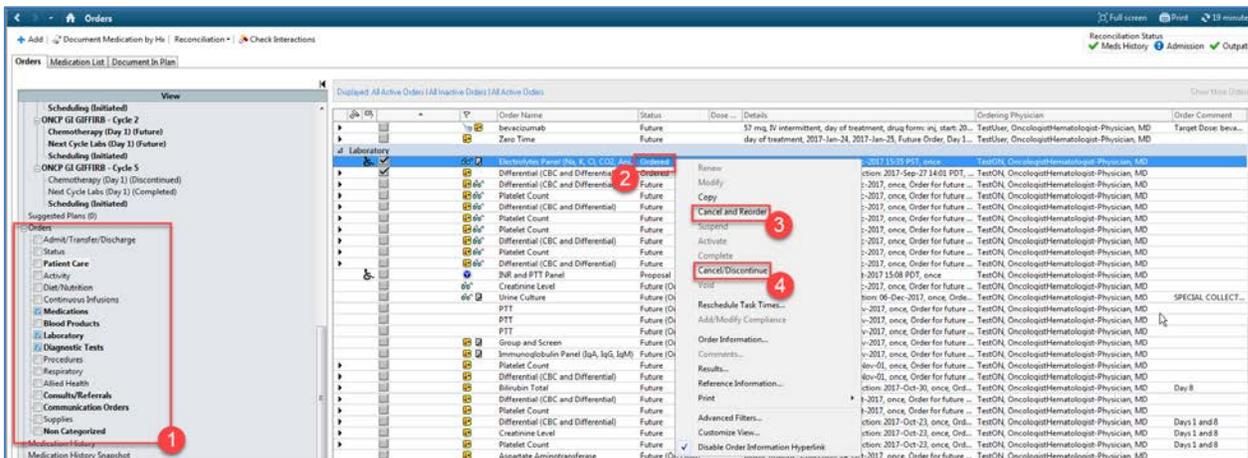
1. From Provider View
2. Click on Orders
3. Click on the New Order Entry Component



This will bring you to the Orders MPage.

On the left hand side of the screen you have the ability to filter orders by category(1) to make it easier to locate and narrow in on specific orders.

To modify an existing order you need to pay attention to the Status of the order. Orders that are in an 'Ordered' status (2) may not be able to be modified (Eg. Laboratory orders in an ordered status cannot be modified, and the core elements of a medication order in an ordered status cannot be modified), you may only be able to Cancel and Reorder (3) or Cancel and Discontinue (4). Right click on the Electrolyte order you placed to view your options.



If an order is in a 'Future' status (6), you have the ability to modify the order details (7).

	Order Name	Status	Dose ...	Details
	bevacizumab	Future		57 mg, IV intermittent, day of treat
	Zero Time	Future		day of treatment, 2017-Jan-24, 20
Laboratory				
	Electrolytes Panel (Na, K, Cl, CO2, Ani...	Ordered		Blood, Routine, Collection: 06-De
	Differential (CBC and Differential)	Ordered		Blood, Routine, Unit collect, Coll
	Differential (CBC and Differential)	Future		
	Platelet Count	Future		
	Differential (CBC and Differential)	Future		
	Platelet Count	Future		
	Platelet Count	Future		
	Differential (CBC and Differential)	Future		
	Platelet Count	Future		
	Differential (CBC and Differential)	Future		
	INR and PTT Panel	Proposal		
	Creatinine Level	Future (O		
	Urine Culture	Future (O		
	PTT	Future (O		
	PTT	Future (O		
	PTT	Future (O		
	Group and Screen	Future (O		
	Immunoglobulin Panel (IqA, IqG, IqM)	Future (O		
	Platelet Count	Future		
	Differential (CBC and Differential)	Future		
	Bilirubin Total	Future		
	Differential (CBC and Differential)	Future		
	Platelet Count	Future		
	Differential (CBC and Differential)	Future		
	Creatinine Level	Future		
	Platelet Count	Future		
	Aspartate Aminotransferase	Future (O		
	Urinalysis Macroscopic (dipstick)	Future (O		
	Creatinine Level	Future (O		

6	Renew
7	Modify
	Copy
	Cancel and Reorder
	Suspend
	Activate
	Complete
	Cancel/Discontinue
	Void
	Reschedule Task Times...
	Add/Modify Compliance
	Order Information...
	Comments...
	Results...
	Reference Information...
	Print
	Advanced Filters...
	Customize View...
	Disable Order Information Hyperlink

Note: Once you have selected your option continue to reconcile the order details and sign for the changes you have made.

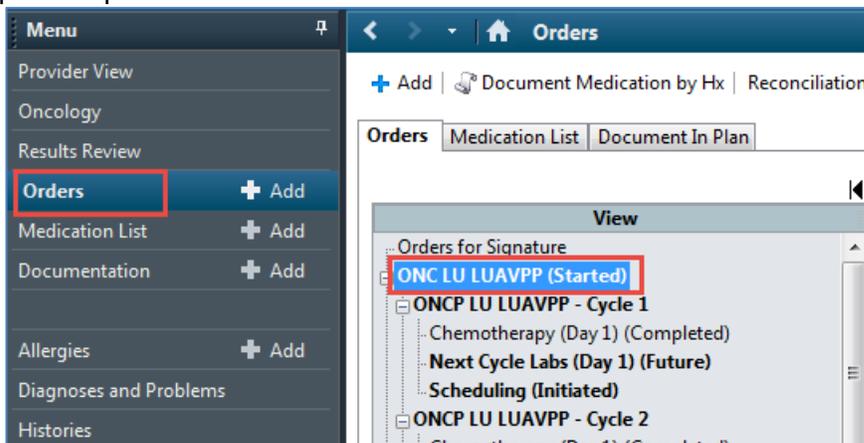
Key Learning Points

- The Orders MPage lists the most frequently used orders and is recommended for placing orders outside of the PowerPlan/Regimen.
- Select the predefined order sentence to enter all necessary order details.
- The CIS will prompt you if any required details are missing.
- Mandatory information is marked by an asterisk and yellow background.
- You can Modify or Cancel existing orders depending on the order status.

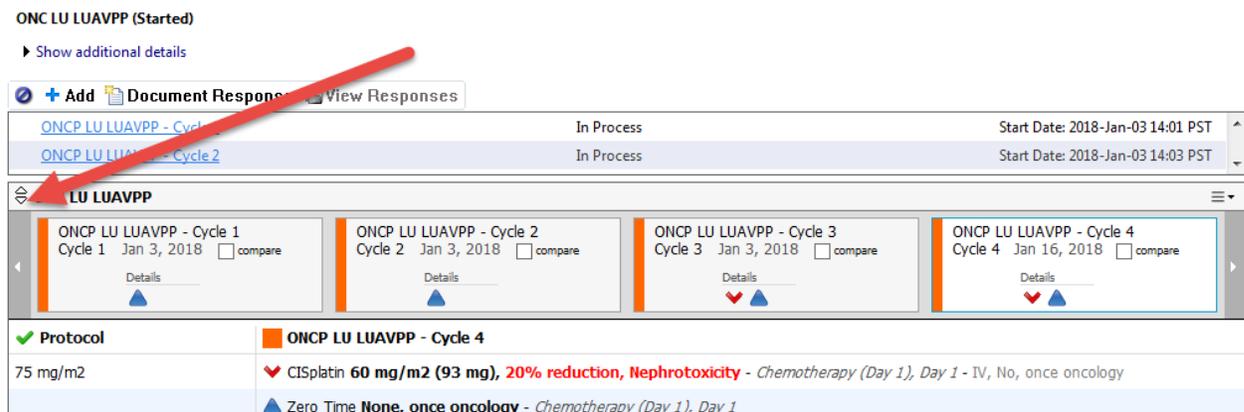
Activity 1.2 – Ordering Chemotherapy when Treatment Parameters are not met

Remember the patient is now returning for Cycle 5 of treatment. Therefore, we will be accessing the Regimen placed back at the start of treatment to order the PowerPlan associated with this cycle.

- From the **Menu** within the patient's chart, click on **Orders**. From the **Orders** screen, scroll through the **View** tab of the navigator to find the Regimen/PowerPlan orders. Click on the **Regimen** to open the plan details.



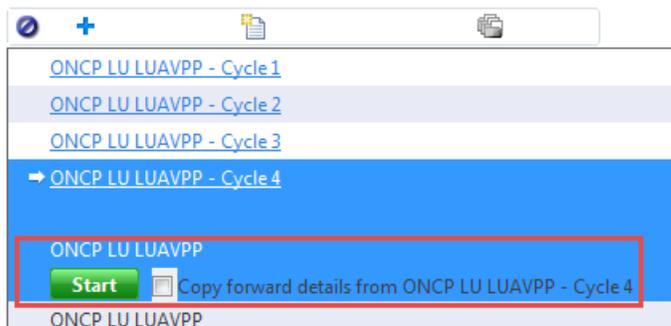
- The plan details view displays the last cycle administered, including any dose modifications. Click on the down arrow to open up all of the Powerplans within the **Regimen**.



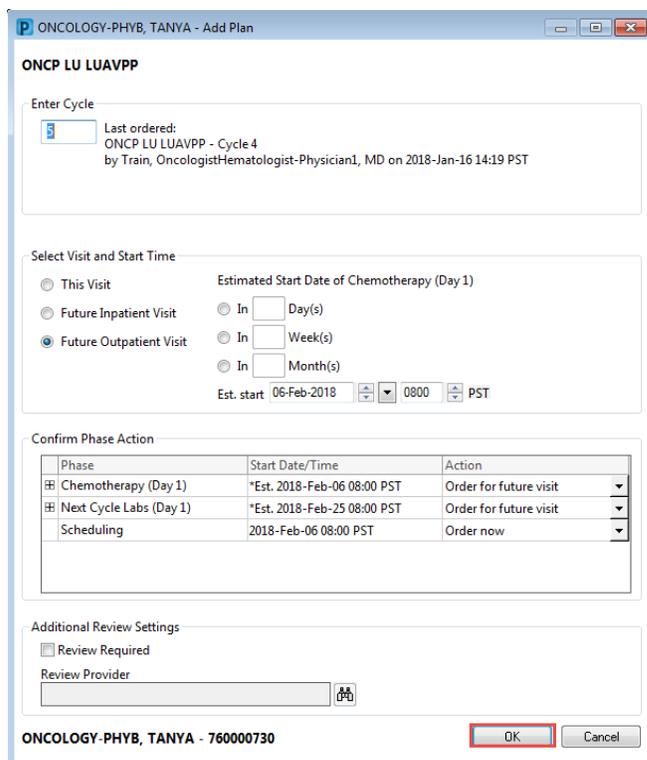
- 3 Prior to clicking on the Start button, de-select the Copy Forward details; you do not wish to dose reduce the Cisplatin for Cycle #5. Click on the  button.

ONCP LU LUAVPP (Started)

► Show additional details



- 4 Review the details in the **Add Plan** window and click **OK**.



ONCP LU LUAVPP

Enter Cycle

Last ordered:
ONCP LU LUAVPP - Cycle 4
by Train, OncologistHematologist-Physician1, MD on 2018-Jan-16 14:19 PST

Select Visit and Start Time

This Visit Estimated Start Date of Chemotherapy (Day 1)

Future Inpatient Visit In Day(s)

Future Outpatient Visit In Week(s)

In Month(s)

Est. start 06-Feb-2018 0800 PST

Confirm Phase Action

Phase	Start Date/Time	Action
Chemotherapy (Day 1)	*Est. 2018-Feb-06 08:00 PST	Order for future visit
Next Cycle Labs (Day 1)	*Est. 2018-Feb-25 08:00 PST	Order for future visit
Scheduling	2018-Feb-06 08:00 PST	Order now

Additional Review Settings

Review Required

Review Provider

ONCOLOGY-PHYB, TAN YA - 76000730

- 5 The Chemotherapy Phase orders will display. Based on the lab results that you viewed in **CareConnect**, platelet count of $99 \times 10^9/L$, and creatinine of $74\mu\text{mol}/L$, you check the box for the **Proceed With Treatment Based on Blood Work From** order and then double click on the order to add details. Complete the details and add and order comment now.

ONCP LU LUAVPP - Cycle 5, Chemotherapy (Day 1) (Future Pending) *Est. 2018-Feb-06 08:00 PST			
		Component	Day 1
			Future Pending
			*Est. 2018-Feb-06 08:...
			Actions ▾
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Proceed With Treatment Based on Blood Work From	Planned
<input type="checkbox"/>	<input type="checkbox"/>	OK to Proceed with Treatment	
Pre-Chemo Metrics			
		Neutrophil - Greater Than or Equal $1.5 \times 10^9/L$	-96 hr
		Neutrophils - Greater Than or Equal $1.50 \times 10^9/L$	-96 hr
		Platelet Count - Greater Than or Equal $100 \times 10^9/L$	-96 hr
Check Creatinine Clearance and follow specific protocol parameters			
Pre-Medications			
Patient to take own supply of pre-medications. RN/Pharmacist to confirm. Patient to take dexamethasone 4 mg BID for 3 days starting Day 1. Patient to take aprepitant 80 mg PO once daily in the			

Close the **Details** view.

Details for **Proceed With Treatment Based on Blood Work From**

Details Order Comments

Requested Start Date/Time: 07-Feb-2018 0800 PST ***Alternate Date for Lab: day of treatment**

ONCP LU LUAVPP - Cycle 5, Chemotherapy (Day 1) (Future Pending) *Est. 2018-Feb-07 08:00 PST - 21 Days

		Component	Day 1
			Future Pending
			*Est. 2018-Feb-07 08:...
			Actions ▾
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Proceed With Treatment Based on Blood Work From	Planned

Will repeat serum creatinine level on day of treatment. P

Details for **Proceed With Treatment Based on Blood Work From**

Details Order Comments

Order comments

Will repeat serum creatinine level on day of treatment. Platelet level of 99 today is OK to proceed with treatment.

- 6 Scroll down to review all orders within the phase. Select the **Dose Calculator Icon** for the 1st weight (BSA) based medication.

ONCP LU LUAVPP - Cycle 5, Chemotherapy (Day 1) (Future Pending) *Est. 2018-Feb-06 08:00 P	
	Day 1
	Future Pending
	*Est. 2018-Feb-06 08:00 P
	Actions
<p>Ensure patient is taking folic acid and has had vitamin B12 injection starting at least 7 days prior to first cycle, and to continue while on treatment, until 21 days after last Pemetrexed dose. Patient to obtain supply.</p>	
Hydration	
<input checked="" type="checkbox"/>	<p>sodium chloride 0.9% (sodium chloride 0.9% (NS) bolus) 1,000 mL, IV, once oncology, administer over: 60 minute, dr... Over 1 hour prior to CISplatin. Day 1</p> <p>0 min</p> <p>Planned</p>
Treatment Regimen	
<input checked="" type="checkbox"/>	<p>Zero Time</p> <p>0 hr</p> <p>Planned</p>
<input checked="" type="checkbox"/>	<p>pemetrexed (pemetrexed - oncology)</p> <p>500 mg/m², IV, once oncology, administer over: 10 minute, ... In 100 mL NS over 10 minutes (may be given during prehydr...</p> <p>0 min</p> <p>Planned</p>
<input checked="" type="checkbox"/>	<p>CISplatin (CISplatin - oncology)</p> <p>+60 min</p>

- 7 Review the details in the dose calculator and click **Apply Dose**.

Dosage Calculator

pemetrexed - oncology

Dose Values

1) Target dose: 500 mg/m²

2) Calculated dose: 775 mg

3) Dose Adjustment: 775 mg 100 %

4) Final dose: 775 mg 500 mg/m²

5) Standard dose: mg mg/m²

6) Rounding rule: No rounding

7) Adjust Reason:

8) Route: IV

Dose Forms | **Order Comments**

In 100 mL NS over 10 minutes (may be given during prehydration). Day 1

Reference Data

Date of birth: 20-Jan-1951 (66 Years)

Sex: Female

Ethnicity:

Height: 157 cm Source: 15-Jan-2018 8:53 157.00 cm Height/Length Measured

Actual weight: 55 kg Source: 15-Jan-2018 8:53 55.000 kg Weight Dosing

Adjusted weight: 55 kg Adjustment: Actual (no adjustment)

Serum creatinine: 0.68 mg/dL Source: 15-Jan-2018 8:30 0.68 mg/dL Creatinine

CrCl (est.): 70.66 mL/min Algorithm: Cockcroft-Gault (Actual Weight)

Body surface area: 1.55 m² Weight Used for CrCl: Actual weight 55 kg

Algorithm: Mosteller

- 8 Review the order details and then minimize this view by clicking on the down arrow. Move onto checking the next medication.

Details for pemetrexed (pemetrexed - oncology)

Details | Order Comments

+ [Icons]

*Dose: <input type="text" value="775"/>	*Dose Unit: <input type="text" value="mg"/>
*Route of Administration: <input type="text" value="IV"/>	*Frequency: <input type="text" value="once oncology"/>
PRN: <input type="radio"/> Yes <input checked="" type="radio"/> No	PRN Reason: <input type="text"/>
Administer over: <input type="text" value="10"/>	Administer over Unit: <input type="text" value="minute"/>

Note: The orders will appear in bold print in the order profile once you have applied the dose in the dose calculator.

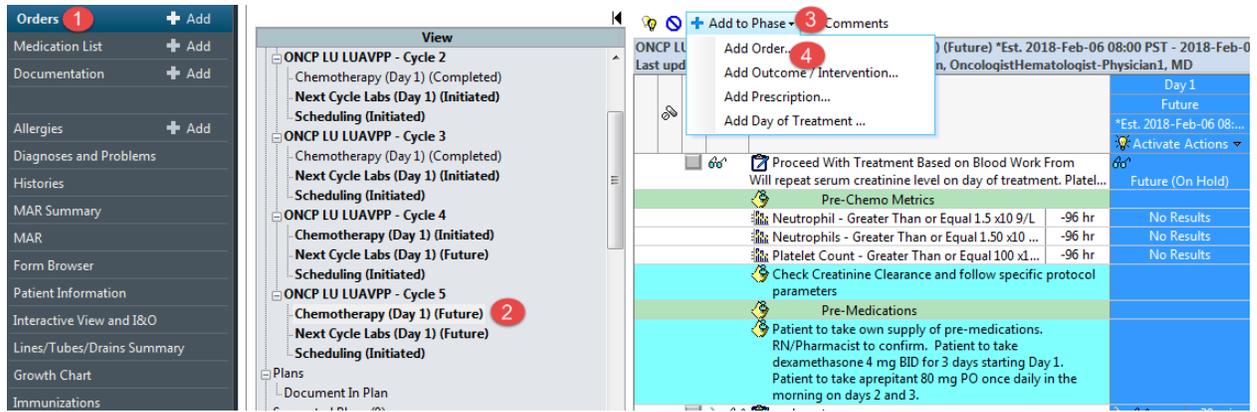
- 9 Click . Click . Click refresh

- 10 To place the order for the serum creatinine level. Select the **Provider View** (1) from the **Menu**, Select the **Orders Mpage** (2) and select the Creatinine level (3) order from the **Lab** component.

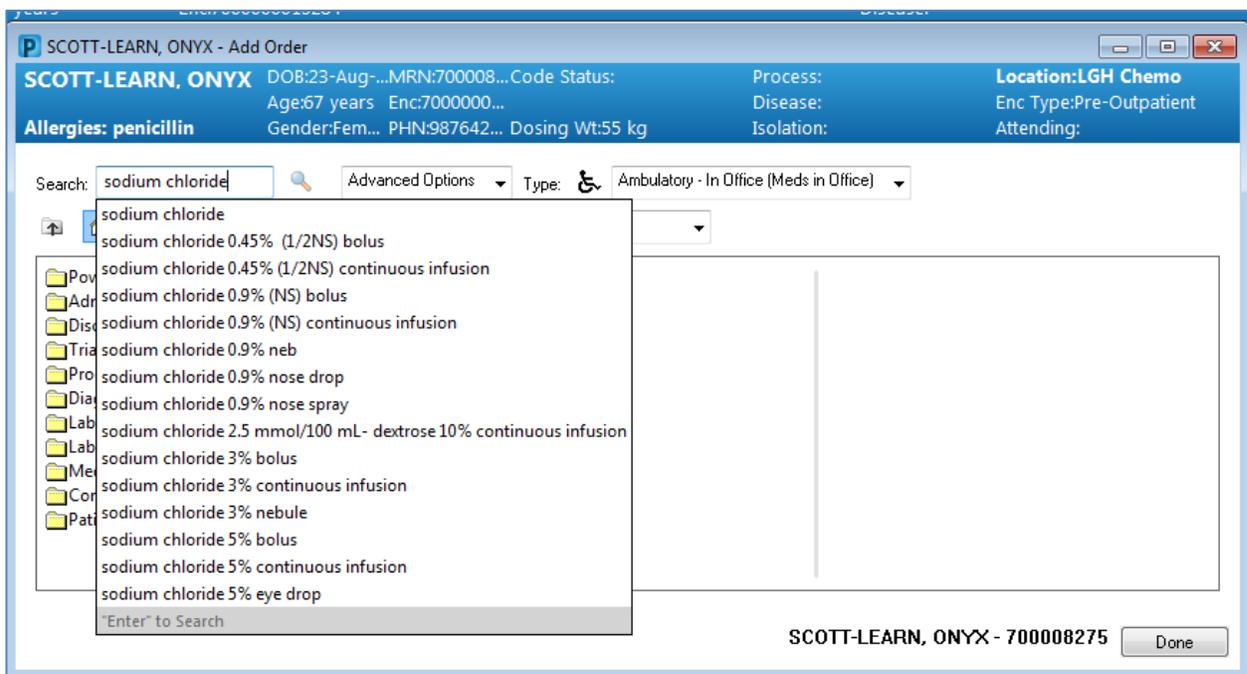
Click on the Orders for Signature Cart (4). Review your orders and click . The lab req will print automatically. Please give this to the patient.

The screenshot shows the 'Provider View' interface. On the left is a 'Menu' with 'Provider View' highlighted (1). The top navigation bar shows 'Orders' (2). The 'Labs' panel is expanded, showing 'Creatinine Level' (3) under the 'Chemistry' section. On the right, the 'Orders for Signature' cart icon (4) is visible.

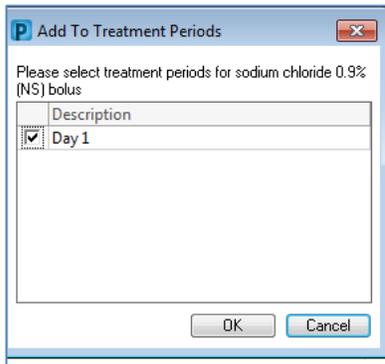
11 The Nurse calls you on Monday to report that the Patients' serum creatinine remains elevated and that according to protocol the Cisplatin dose should be reduced to 80%. You open up the patient's chart and Navigate to **Orders** (1) from the Menu. Select the Chemotherapy phase for cycle 5 (2). Select **Add to Phase** (3) and select **Add Order** (4).



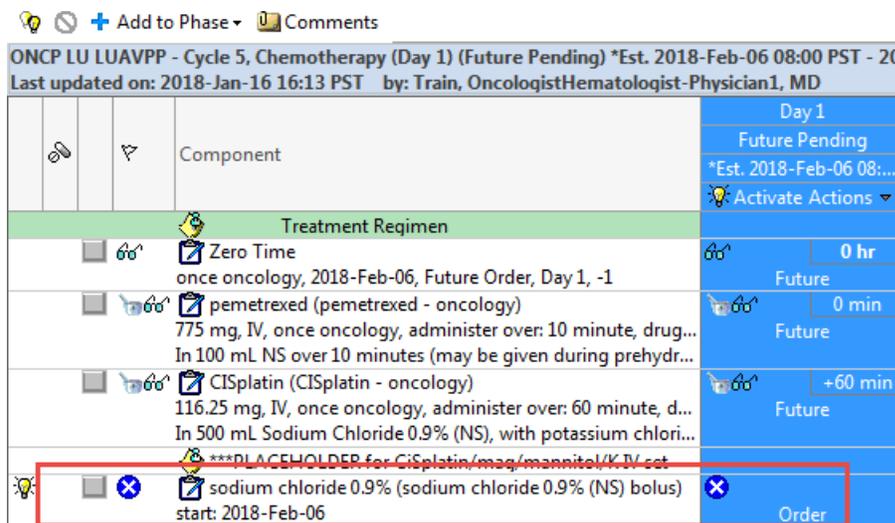
12 Place an Order for Post Treatment Hydration.



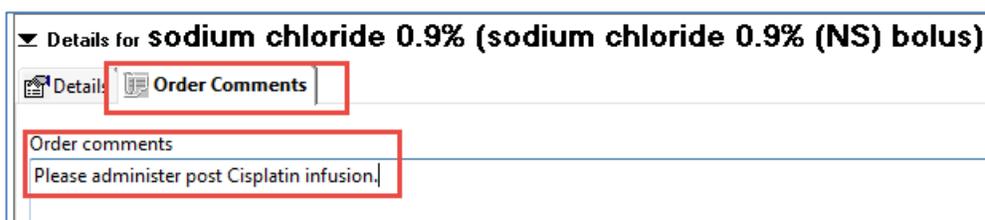
13 Complete the details in the Add to Treatment Periods window and click **OK**. And click **Done**.



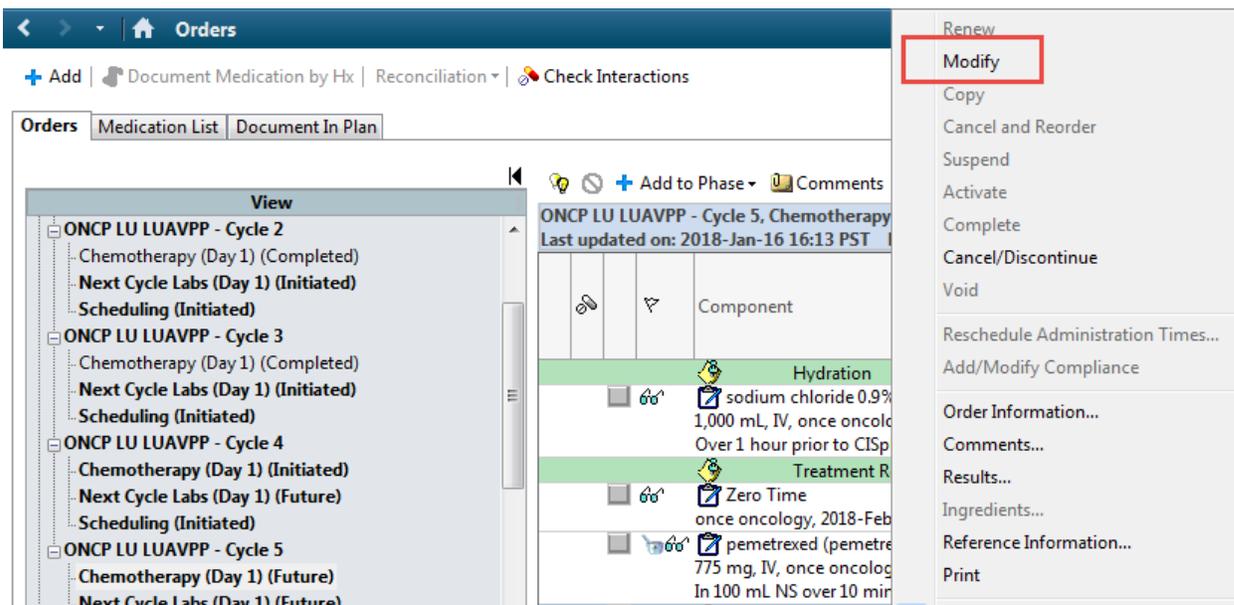
14 Now you are back at the Cycle 5 orders. Scroll to the bottom to find your hydration order; double click on it to complete the order details.



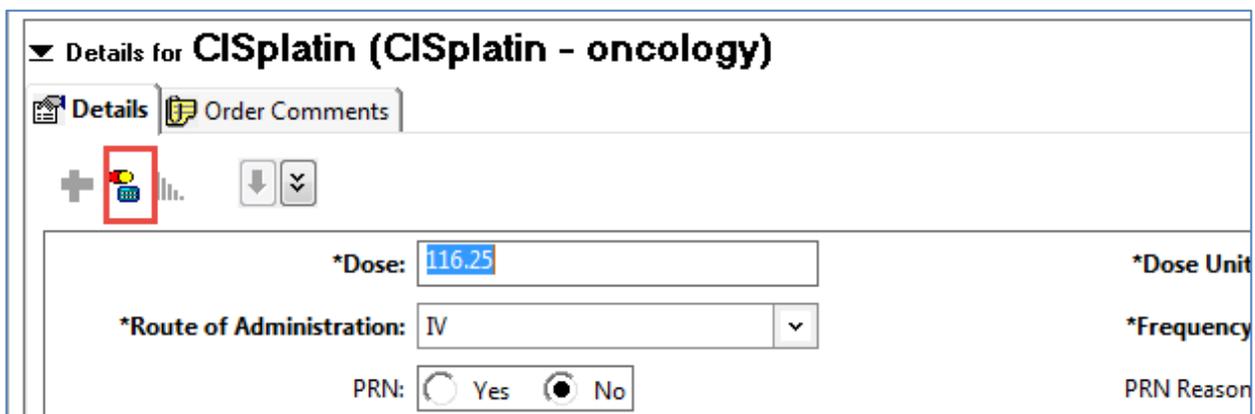
15 Within the Order Details window select **Order comments**, to indicate that this is to be given as post treatment hydration.



16 Now you wish to modify the dose of Cisplatin. Right click on the Cisplatin Order and select Modify.



17 Select the Dose Calculator Icon from the Details window.



18 Set the **Dose Adjustment** percentage (1) to 80 and complete the **Adjust Reason** (2). And click **Apply Dose**.

Dosage Calculator

CISplatin - oncology

Dose Values

1) Target dose: 75 mg/m²

2) Calculated dose: 116.25 mg

3) Dose Adjustment: 93 mg 80 % **1**

4) Final dose: 93 mg 60 mg/m²

5) Standard dose: mg mg/m²

6) Rounding rule: No rounding

7) Adjust Reason: **Nephrotoxicity** **2**

8) Route: IV

Reference Data

Date of birth: 20-Jan-1951 (66 Years)

Sex: Female

Ethnicity:

Height: 157 cm Source: 15-Jan-2018 8:53 157.00 cm Height/Length Measured

Actual weight: 55 kg Source: 15-Jan-2018 8:53 55.000 kg Weight Dosing

Adjusted weight: 55 kg Adjustment: Actual (no adjustment)

Serum creatinine: 0.68 mg/dL Source: 15-Jan-2018 8:30 0.68 mg/dL Creatinine

CrCl (est.): 70.66 mL/min Algorithm: Cockcroft-Gault (Actual Weight)

Weight Used for CrCl: Actual weight 55 kg

Body surface area: 1.55 m² Algorithm: Mosteller

► Last Dose Calculation

Formulae... Standard Dose Reference Apply Standard Dose **Apply Dose** Cancel

Note: You can manually enter the Serum Creatinine and it will calculate the Creatinine Clearance.

19

Review the details. Click . Review your new orders and click . Click . Screen returns to the Cycle 4 orders with your modifications.

🔔 🚫 + Add to Phase ▾ 🗨️ Comments

ONCP LU LUAVPP - Cycle 5, Chemotherapy (Day 1) (Future) *Est. 2018-Feb-06 08:00 PST - 2018-Feb-06 08:00 PST
Last updated on: 2018-Jan-16 16:29 PST by: Train, OncologistHematologist-Physician1, MD

Component	Day 1
	Future
	*Est. 2018-Feb-06 08:00 PST
	🔔 Activate Actions ▾
Treatment Regimen	
<input type="checkbox"/> 🗨️ 🗨️ 🗨️ <input checked="" type="checkbox"/> Zero Time once oncology, 2018-Feb-06, Future Order, Day 1, -1	<input type="checkbox"/> 🗨️ 🗨️ 🗨️ <input type="button" value="0 hr"/>
<input type="checkbox"/> 🗨️ 🗨️ 🗨️ <input checked="" type="checkbox"/> pemetrexed (pemetrexed - oncology) 775 mg, IV, once oncology, administer over: 10 minute, drug... In 100 mL NS over 10 minutes (may be given during prehydr...	<input type="checkbox"/> 🗨️ 🗨️ 🗨️ <input type="button" value="0 min"/>
<input type="checkbox"/> 🗨️ 🗨️ 🗨️ <input checked="" type="checkbox"/> CISplatin (CISplatin - oncology) 93 mg, IV, once oncology, administer over: 60 minute, drug ... In 500 mL Sodium Chloride 0.9% (NS), with potassium chlori...	<input type="checkbox"/> 🗨️ 🗨️ 🗨️ <input type="button" value="+60 min"/>
<input type="checkbox"/> 🗨️ 🗨️ 🗨️ <input checked="" type="checkbox"/> PLACEHOLDER FOR CISplatin/mag/mannitol/K IV set	<input type="checkbox"/> 🗨️ 🗨️ 🗨️
<input type="checkbox"/> 🗨️ 🗨️ 🗨️ <input checked="" type="checkbox"/> sodium chloride 0.9% (sodium chloride 0.9% (NS) bolus)	<input type="checkbox"/> 🗨️ 🗨️ 🗨️

20% reduction, Nephrotoxicity

🔑 Key Learning Points

- You are able to modify ‘future’ orders.
- Orders can be added to phases within a Powerplan / Regimen.
- Cycles are built to copy/forward. If you modify an order or add an order to a phase and do not wish it to copy/forward, deselect the copy/forward box within the cycle.
- If the treatment parameters are outside of range and you would like the patient to proceed with treatment a new “Ok to proceed with treatment” order will need to be placed.

Activity 1.3 – PowerPlan Phases – Lab and Diagnostic

Please recall from Workbook #1 that Oncology PowerPlans are groups of orders categorized by phases, such as Chemotherapy, labs, diagnostics, prescription and scheduling which allow for orders within phases to be processed at different time points. The chemotherapy, diagnostic, and lab phases are future orders which require order completion (final doses) and activation. The scheduling and prescription phases are set to order now allowing for chemo appointments to be scheduled in advance and prescriptions to be processed and picked up now.

- 1 We will now review the **Lab Phase** of the Regimen. Find the **Next Cycle Labs** within the Regimen and click to review the lab orders.

The screenshot shows a software interface with a left-hand navigation pane and a main content area. In the navigation pane, under 'ONCP LU LUAVPP - Cycle 5', the 'Next Cycle Labs (Day 1) (Future)' item is highlighted with a red circle containing the number '1'. The main content area displays a table of lab orders for 'ONCP LU LUAVPP - Cycle 5, Next Cycle Labs (Day 1) (Future) *Est. 2018-Feb-26 08:00 PST - 2018-Feb-26 08:00 PST'. The table has columns for 'Component', 'Day 1', and 'Future'. The 'Component' column lists 'Differential (CBC and Differential)', 'Platelet Count', and 'Creatinine Level'. The 'Day 1' column shows 'Future (On Hold)'. The 'Future' column shows 'Future (On Hold)'. There are also icons for 'Activate Actions' and 'Future (On Hold)'.

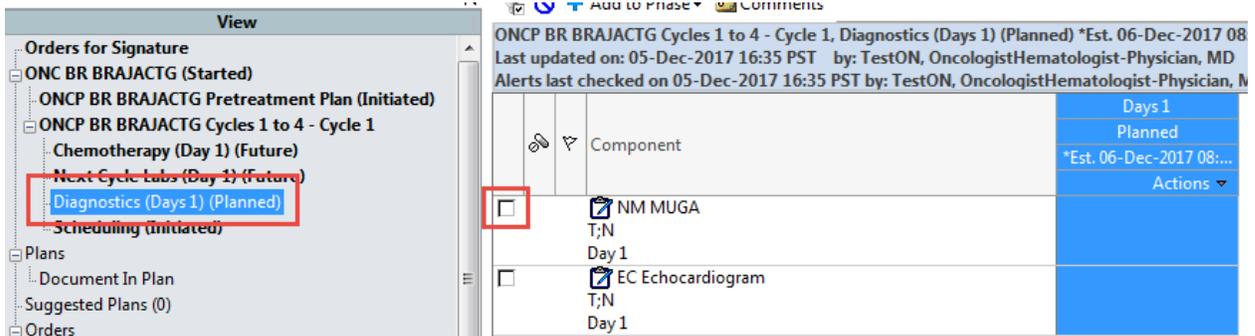
Component	Day 1	Future
Differential (CBC and Differential) Blood, Routine, Collection: 2018-Feb-26, once, Order for fut...	Future (On Hold)	Future (On Hold)
Platelet Count Blood, Routine, Collection: 2018-Feb-26, once, Order for fut...	Future (On Hold)	Future (On Hold)
Creatinine Level Blood, Routine, Collection: 2018-Feb-26, once, Order for fut...	Future (On Hold)	Future (On Hold)

Modify lab orders as needed.

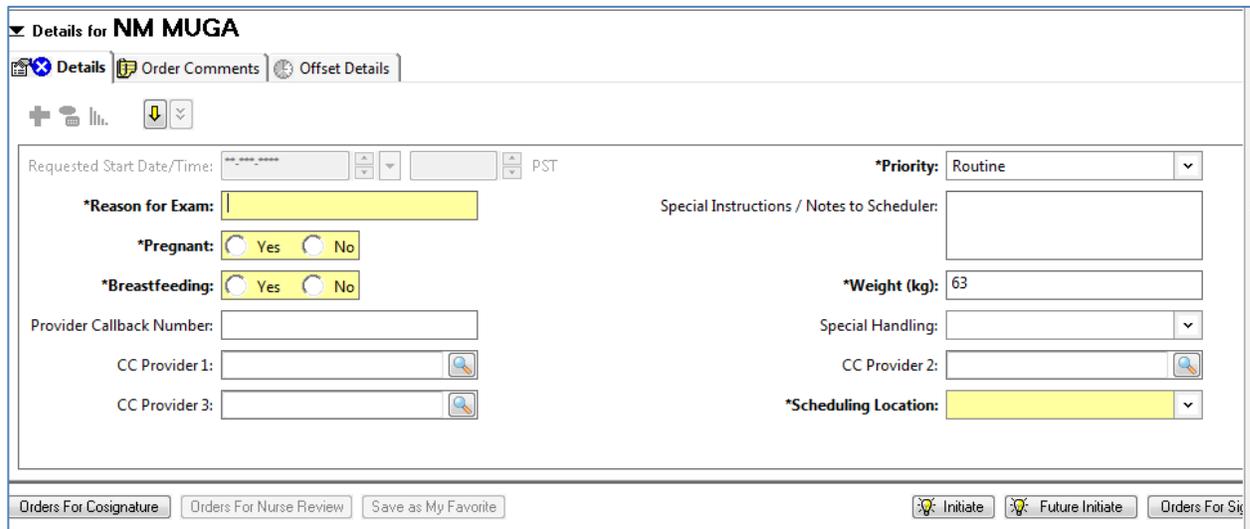
Note: When you sign the Powerplan, the lab order(s) will change to a future state and the requisition will be automatically printed and will need to be given to the patient to present for a future lab visit.

2 Some Powerplans (dependent on protocol requirements) will also include a **Diagnostic** phase. To review the orders in a Diagnostic phase you would follow the same steps as you did to review the lab phase.

Here are some screen shots of a Powerplan that includes a **Diagnostic** phase.



Note: You are able to select diagnostics here by clicking box to the left of the order. Complete the missing required order details. Recall from previous learning missing order details are denoted with the icon (1). Yellow fields indicated with an asterisk are required.



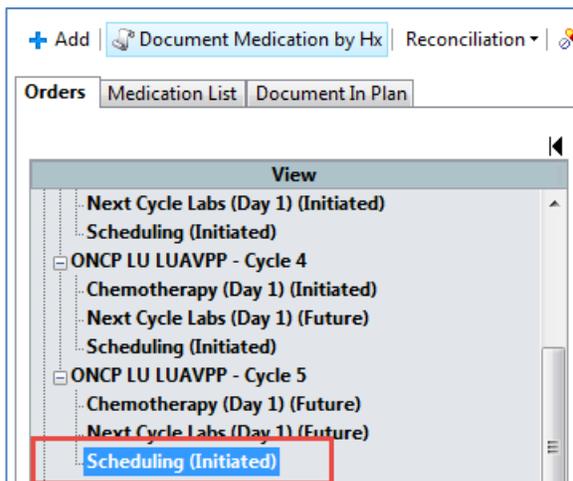
Once the diagnostic order has been signed the order will be sent to Radiology to schedule the patient.

Key Learning Points

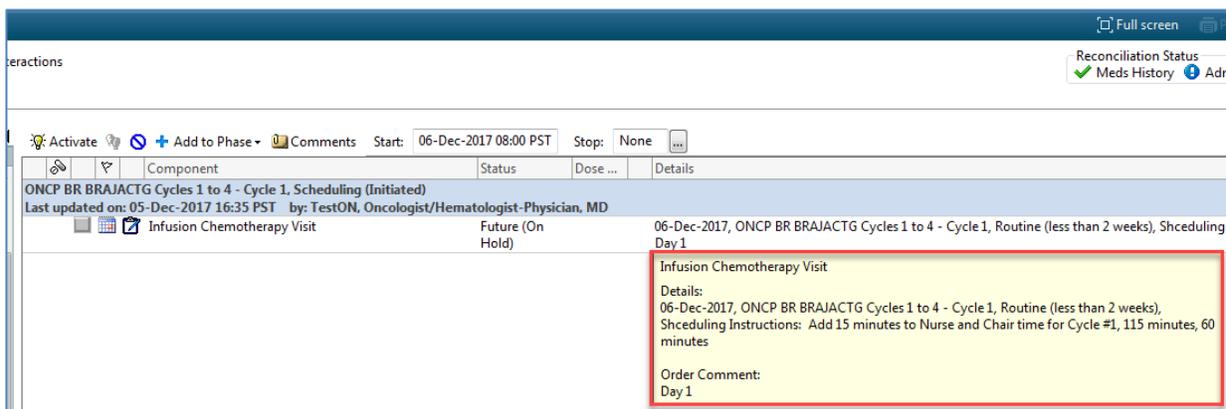
- Lab phase orders are placed in a future status and the printed requisition must be given to the patient.
- Diagnostic orders, once signed, are sent to the Radiology department for scheduling.

Activity 1.4 – PowerPlan Phases – Scheduling

- 1 Next we will review the scheduling phase within the Regimen. Click on the **Scheduling** phase within the Regimen.

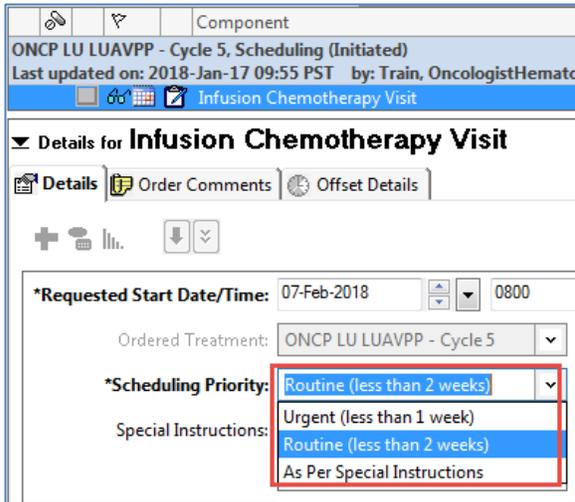


Hover over the scheduling order to view the order details.



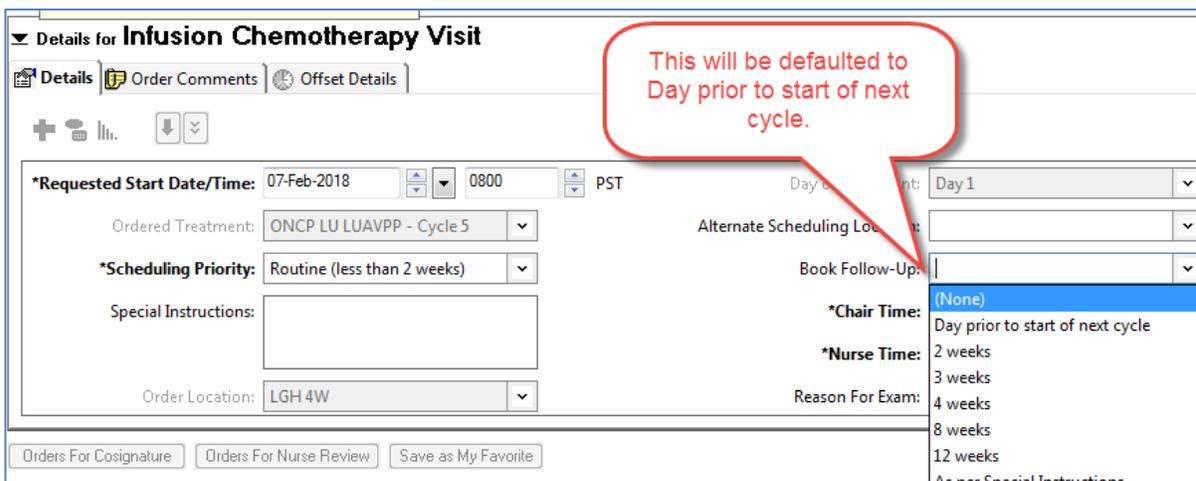
To change the orders to scheduling, double click on the order which will open up the order details screen.

The **Scheduling Priority** field within the Infusion chemotherapy visit order is defaulted to **Routine (less than 2 weeks)**. Use the **Scheduling Priority** drop down menu to change the scheduling priority if needed.



Note: While the Scheduling Priority appears in the order details window for all cycles, and is defaulted to Routine (less than 2 weeks), **this should not be adjusted for Cycle 2 onwards;** scheduling clerks will be taught to schedule the recurring encounter appointments according to the Regimen.

The **Book Follow-up** appointment field will be defaulted to schedule the patient’s follow up visit the day prior to the start of the next cycle. Use the drop down menu to change when the patient’s follow up appointment should be scheduled. If no follow up appointment is needed in between cycles select **(None)**. (Ex: When ordering multiple cycles of GI FFIRB and no follow up appointment is needed in between cycles).



At this time, you may also choose an **Alternate Scheduling Location**. This may be the case if you are seeing the patient for a follow up visit in LGH, and the patient is going to be receiving their infusion at SGH. Click on the **Alternate Scheduling Location** and select the site that the patient is to be scheduled to.

Click . Click and .

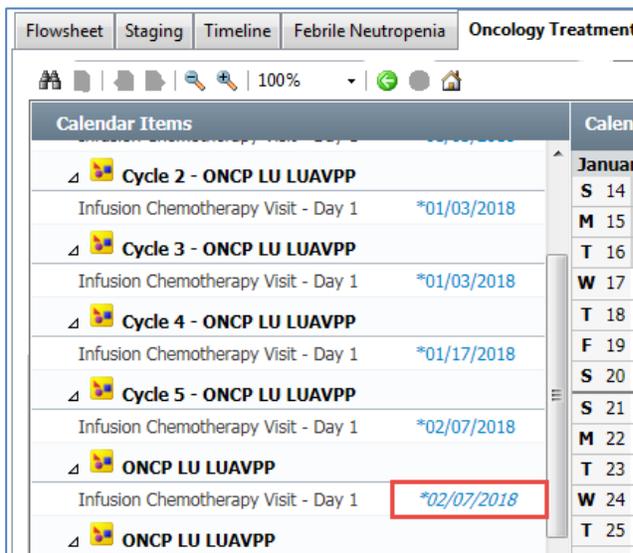
Within the order profile screen you can now see the orders within the first day of treatment have changed from a **“Planned”** status to a **“Future”** status.

2 The scheduler now has a request to schedule the patient for their first cycle within the scheduling book. You will need to navigate to the **Treatment Calendar** to send the orders to scheduling for the following cycle(s) of treatment.

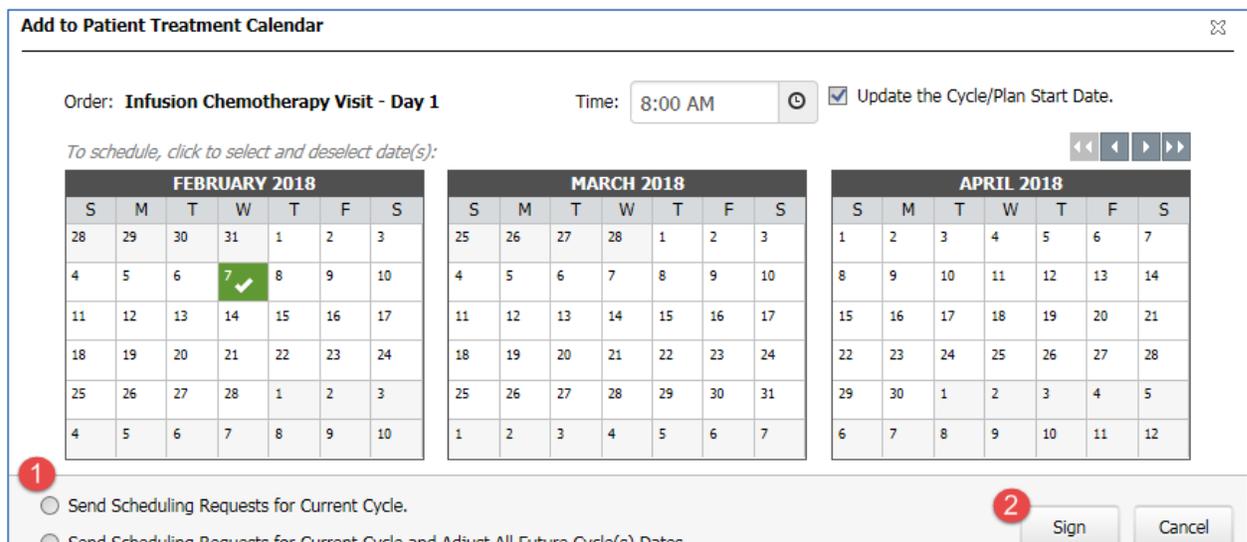
From the **Menu** click on the **Oncology** tab (1) and click on the **Oncology Treatment Calendar** tab (2). Note cycle date for the first 5 cycles are not italicized (3), meaning the cycle has been ordered and a request has been sent to schedule the patient. The following cycle is italicized, meaning it has not been ordered yet (4), therefore the scheduler does **not** have a request to schedule the cycle in the scheduling queue.

The screenshot displays the Oncology Treatment Calendar interface. On the left is a 'Menu' sidebar with 'Oncology' highlighted (1). The main area shows the 'Oncology Treatment Calendar' (2) with a 'Staging Not Recorded + Add' message. The calendar is split into 'Calendar Items' and 'Calendar List'. The 'Calendar Items' list shows five cycles of 'ONCP LU LUAVPP' with dates: *01/03/2018, *01/03/2018, *01/03/2018, *01/17/2018, and *02/07/2018. The last two dates are italicized and marked with red circles '3' and '4'. The 'Calendar List' shows a calendar for January 2018 with dates S 14, M 15, T 16, W 17 (9:28AM Infusio), T 18, F 19, S 20, S 21, M 22, T 23, W 24, T 25, F 26, and S 27.

- Click on the first italicized date within the next cycle to open the **Add to Patient Treatment Calendar** window.



Click on **Send Scheduling Requests** for the current cycle (1) and click **Sign** (2). Once you sign a request it will be sent to the scheduler to schedule the patient for this cycle.



Note: Send Scheduling Requests for Current Cycle and Adjust All Future Cycle(s) Dates will be used if the patient is mid treatment and future cycle date adjustments are necessary. Send Scheduling Requests for All Cycles within the Regimen is useful in placing the patient on the schedule for all cycles within a Regimen at one time.

4

Now you will notice that the date is no longer in italics meaning the request has been sent to scheduling.

Calendar Items	
△ Cycle 2 - ONCP LU LUAVPP	
Infusion Chemotherapy Visit - Day 1	<i>*01/03/2018</i>
△ Cycle 3 - ONCP LU LUAVPP	
Infusion Chemotherapy Visit - Day 1	<i>*01/03/2018</i>
△ Cycle 4 - ONCP LU LUAVPP	
Infusion Chemotherapy Visit - Day 1	<i>*01/17/2018</i>
△ Cycle 5 - ONCP LU LUAVPP	
Infusion Chemotherapy Visit - Day 1	<i>*02/07/2018</i>
△ ONCP LU LUAVPP	
Infusion Chemotherapy Visit - Day 1	*02/07/2018
△ ONCP LU LUAVPP	

Key Learning Points

- The Scheduling Priority field within the Infusion chemotherapy visit order is defaulted to Routine (less than 2 weeks); **this should not be adjusted for Cycle 2 onwards**
- Follow-up appointments orders are defaulted to the day prior to the patient's next visit.
- When you sign the orders, they change from a 'Planned' status to a 'Future' status.
- You can request scheduling directly from the Oncology Treatment Calendar.

Activity 1.5 – Prescriptions within a PowerPlan

1 There are three scenarios that you will need to be aware of. Please note that Oral Chemotherapy Only PowerPlans will be discussed in greater detail in the next activity. Please read about the scenarios below.

1. Regimens that contain both IV and oral chemotherapy.
 - Orders for prescription oncology drugs will be included within the Chemotherapy phase of infusion-based chemotherapy protocols.
 - The prescription order will not route (print) until it is activated. There are two options for activation of the prescription order. Either by the nurse on the day of the infusion treatment, or ahead of time by the Pharmacist.
2. Supportive Medications for a PowerPlan

Supportive medications are included in the Prescriptions phase of a PowerPlan. This contains any supportive medications from the pre-printed orders. None of the orders in this phase are checked by default. If a prescriber would like to order supportive medications from the PowerPlan he or she chooses the Prescriptions phase and completes the missing order details (dispense quantity, printing options, and refills if needed).

In the screen shot below; dexamethasone has been selected (1), and the 3 tab option has been selected (2) which automatically expands the Details window (3). This is where you would complete any missing Rx details and send the Rx to a printer (4). Once you have completed the details you can select **Initiate** (5) which will print a prescription immediately or **Orders for Signature** (6) which will sign the orders into a **Future** status to be activated some point in the future.

The screenshot displays a medication selection interface for 'ONCP LY LYCHOPR Cycle 1 - Cycle 1, Prescriptions (Planned Pending)'. A list of medications is shown with checkboxes. 'dexamethasone (dexamethasone 4 mg oral tablet)' is selected (1). A dropdown menu is open for this medication, showing '3 tab, PO, as directed, day, day, refills: 0, start: T,N' selected (2). Below the list, the 'Details for dexamethasone (dexamethasone 4 mg oral tablet)' window is expanded (3). This window includes fields for Dose (3 tab), Route of Administration (PO), Frequency (as directed), Duration (day), Dispense (day), and Refill (0). At the bottom right of the details window, there is a 'Send To: Select Routing' dropdown (4). At the bottom of the entire interface, there are buttons for 'Initiate' (5) and 'Orders For Signature' (6).

3. Prescription Only PowerPlans (PowerPlans that do not include infusional chemotherapy)

- When the prescription must be filled at a pharmacy outside of a Cerner site, the prescription will be set to print automatically to a local printer which must be given to the patient.
- When the prescription will be filled at a pharmacy within a Cerner site the prescription will not print and the pharmacy will be notified via a worklist.

 **Key Learning Points**

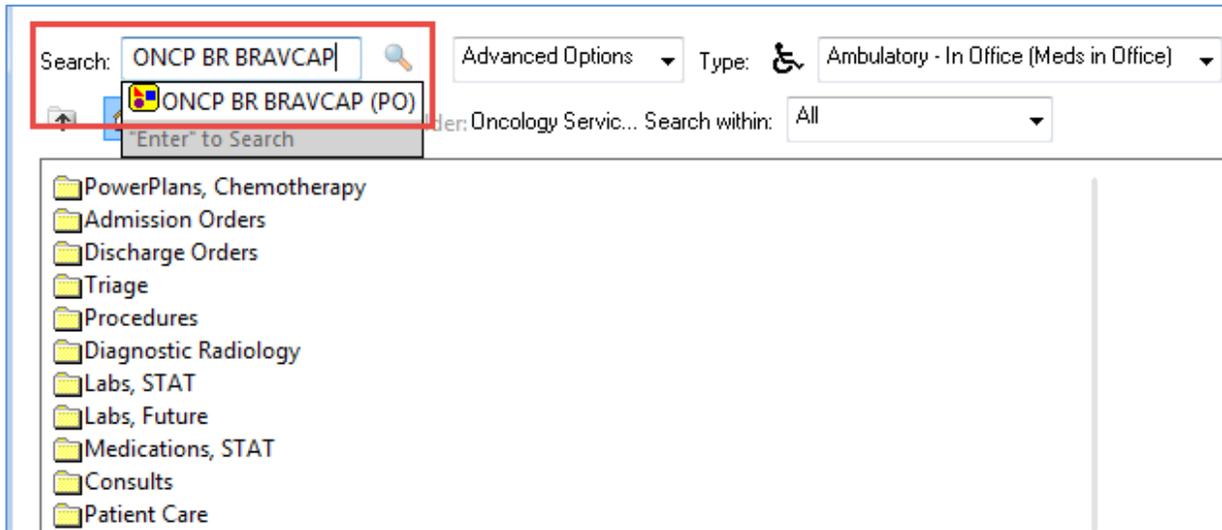
- Prescriptions can be ordered within a PowerPlan/Regimen and can be printed depending on site specific workflow.

Activity 1.6 – Oral Chemotherapy Plan

For the purposes of practice please use the same patient that you have been working with today; **the patient assigned to you with the last name of: Oncology-PHYB**

1

Oral Chemotherapy plans are built as PowerPlans. Click  within the Orders profile and search for ONCP BR BRAVCAP (PO).



Note: If no Powerplan results come up when searching with ONCP BR try typing entire name of the protocol in search bar.

2 Review estimated **Start Date/Time** of treatment and **Phase Actions**. Click **OK**.

SCOTT-LEARN, MARY - Add Plan

ONCP BR BRAVCAP (PO)

Select Visit and Start Time

This Visit Confirm Prescription Start Date/Time
 Future Inpatient Visit 07-Dec-2017 0859 PST
 Future Outpatient Visit

Confirm Phase Action

Phase	Start Date/Time	Action
Prescription	07-Dec-2017 08:59 PST	Order now
<input checked="" type="checkbox"/> Labs (Day 1)	*Est. 07-Dec-2017 08:59 PST	Order for future visit

Additional Review Settings

Review Required

Review Provider

SCOTT-LEARN, MARY - 700004976 **OK** **Cancel**

Select appropriate oral chemo prescription order by clicking box to the left of order.

Orders

Document Medication by Hx | Reconciliation | Check Interactions

Start: 2018-Jan-17 14:36 PST Duration: None

Component	Status	Dose ...	Details
ONCP BR BRAVCAP (PO), Prescription (Initiated Pending)			
Treatment Regimen			
<input checked="" type="checkbox"/> Round to nearest 150 mg			
<input checked="" type="checkbox"/> capecitabine		1250 mg/m ² , PO, BID, order duration: 14 day, dispense qty: 14 day	take with food on days 1 through 14
<input type="checkbox"/> capecitabine		1000 mg/m ² , PO, BID, order duration: 14 day, dispense qty: 14 day	take with food on days 1 through 14
Scheduling Order			
<input checked="" type="checkbox"/> Follow Up - Clinic - Oncology Treatment			Not available for the facility of the active encounter

Orders For Cosignature Orders For Nurse Review Save as My Favorite **Orders**

Click on the order to review/add details and to print a prescription for the patient. Click on the send to field and select the appropriate printer.

The scheduling orders for an Oral chemotherapy PowerPlan are found within the Prescription phase. Right click on the scheduling order and select modify to view the details for this order.

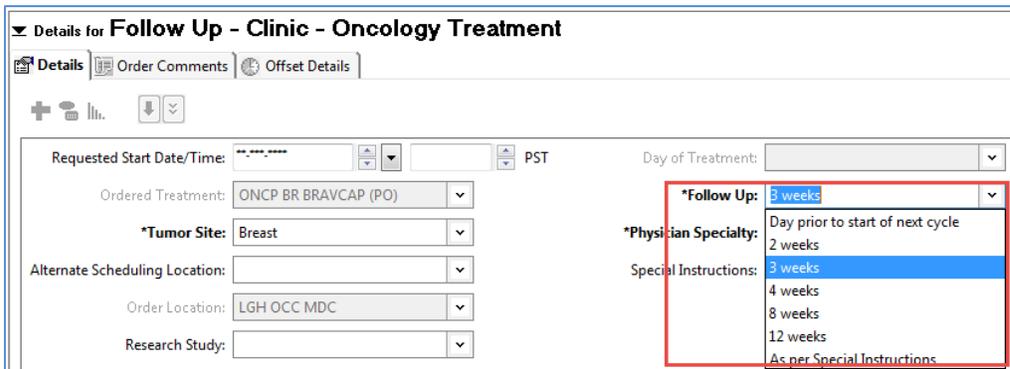
The Order location is defaulted to the location the patient is registered to. If the patient will be scheduled for their follow up appointment at a separate location use the drop down to select alternate scheduling location (i.e. SGH Oncology).

The order to schedule a patient for a follow up appointment is defaulted to three weeks. You are able to deselect the follow up clinic appointment order if no follow up appointment is needed at this time or use the drop down menu to change the follow up appointment request.

Now review the Lab phase within the plan. Note: Once the lab order is signed, the lab requisition will print on a local printer and will need to be given to the patient to present to have their labs

drawn at a future date.

Click **Sign** and .



Details for Follow Up - Clinic - Oncology Treatment

Details | Order Comments | Offset Details

Requested Start Date/Time: **..**..** PST Day of Treatment: [dropdown]

Ordered Treatment: ONCP BR BRAVCAP (PO) [dropdown]

*Tumor Site: Breast [dropdown]

Alternate Scheduling Location: [dropdown]

Order Location: LGH OCC MDC [dropdown]

Research Study: [dropdown]

*Follow Up: 3 weeks [dropdown]

*Physician Specialty: Day prior to start of next cycle
2 weeks

Special Instructions: 3 weeks
4 weeks
8 weeks
12 weeks
As per Special Instructions

Key Learning Points

- Oral Chemotherapy plans are built as PowerPlans
- You are able to deselect follow up clinic appointments and request a later appointment date.

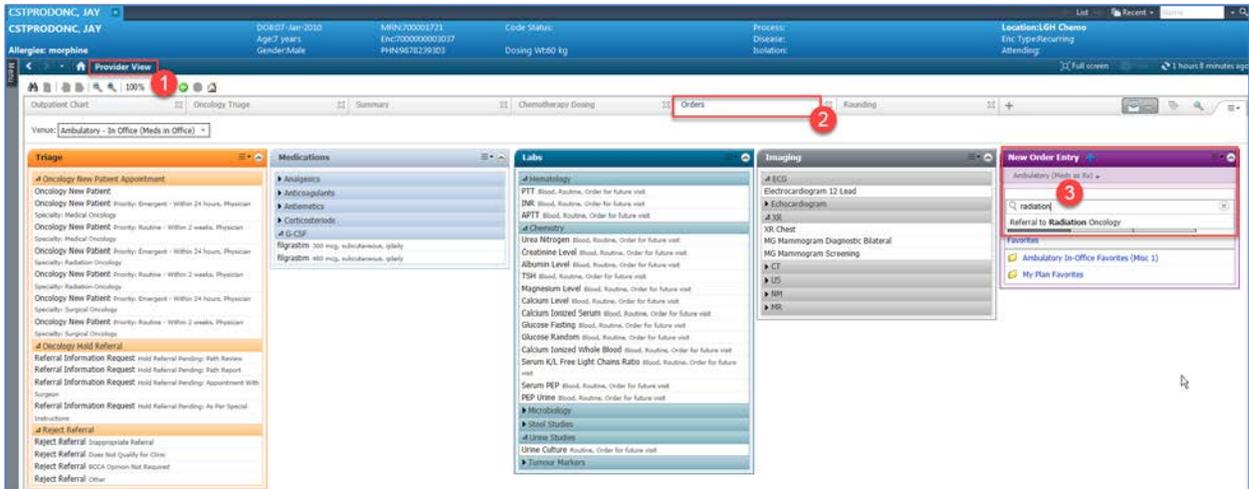
Activity 1.7 – Placing Referral and Consult Orders

A Referral is placed when services are required outside of the patient’s current treating facility.

A Consult is placed when services are required within the patient’s treating facility.

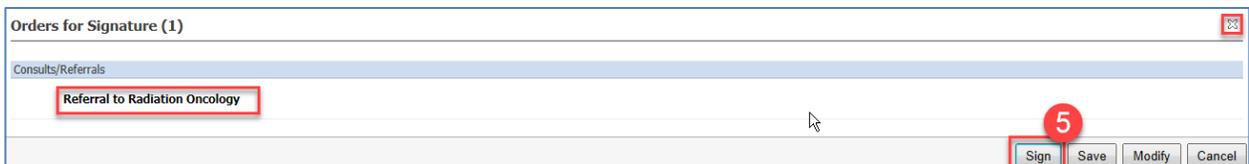
1 To place a Referral:

1. Navigate back to the Provider View
2. Select Orders
3. Begin to type order in the search box (type Radiation, select order sentence Referral to Radiation Oncology)
4. Click on Orders for Signature 

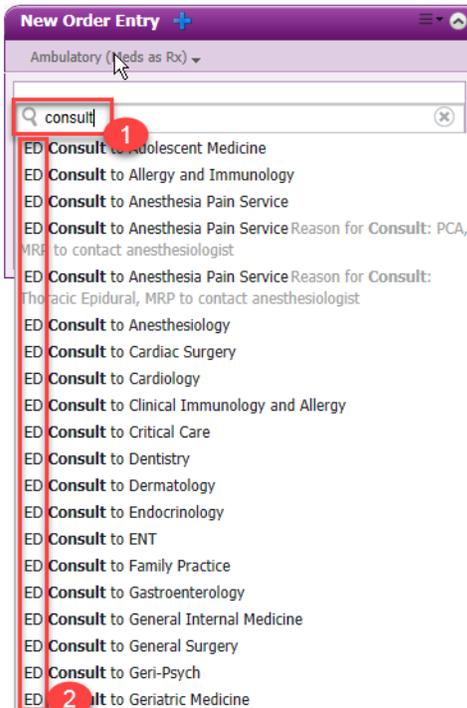


The Orders for Signature window will appear

5. Click **Sign** to place the order or you can cancel with the cancel button or clicking the 



- 2 If you are looking to make a Consult order, notice when you type consult into the search engine of the New Order Entry (1) all consults are pertaining to the Emergency Department. Consults must still be made by calling the Provider or Service you are wishing to have a consult from.



Key Learning Points

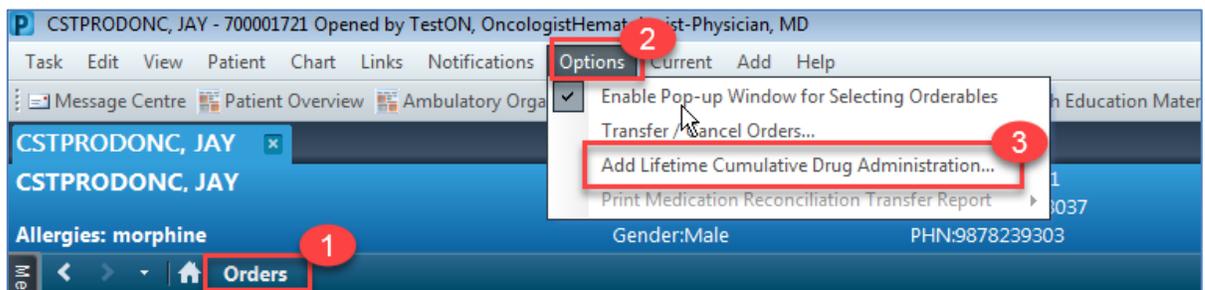
- Referral orders can be placed by searching for the individual order in the New Order Entry.
- It is important to read the Details section pertaining to the Referral.
- Most Referral's will still require a hard copy paper Referral to be made.
- Consults will be made via a phone conversation with the required Provider/Allied health team member.

Activity 1.8 – Lifetime Cumulative Dosing

For patients' on medications requiring monitoring of Lifetime Cumulative Dosing, a function has been built to track the doses being delivered from a Cerner based site as well as the ability to input data on medications delivered outside of these sites.

1 To access the Lifetime Cumulative Drug Administration window:

1. You must be within **Orders** under the menu.
2. Once the orders screen is open, select **Option** from the top toolbar.
3. Choose the **Add Lifetime Cumulative Drug Administration**.



4. This will open a pop up window where you can select the drug you want to review. From the dropdown menu select the medication.

Drug	Dose	Height	Weight	Date	Physician	Comments
Total:						

Note: If a patient has been given any of these medications outside of a Health Organization with Cerner, the amount will not automatically reflect but can be added in manually if the records are known.

- The upper box in the window displays the **Outside Administrations** given. You are also able to add this information if the documentation is present.
- The lower box in the window displays the amounts given previously within a Cerner site.

Outside Administrations

Drug	Dose	Height	Weight	Date	Physician	Comments
DOXOrubicin	25 mg	160 cm	65 kg	15-Nov-2017	Bonilla, NOLDAP, Johanna	Received at non CST site
Total:	25 mg					

Administrations

Drug	Administered Dose	Administered Date & Time	Ordered Dose	Scheduled Date & Time	Order Id	Result Status
DOXOrubicin	39 mg	18-Jan-2017 11:18	39 mg	18-Jan-2017 11:15	288239673	Auth (Verified)
Total:	39 mg					

Overall Total: 64 mg

Edit Add Close

Note: To add a medication you must fill in all the cells with an asterisk that are highlighted yellow.

Key Learning Points

- To view Lifetime Cumulative Dosing, you must be within the Orders window.
- Doses administered within Cerner sites will automatically populate within corresponding window once administered.
- Doses not administered within a Cerner site need to be added manually.

Activity 1.9 – Patients in Transition

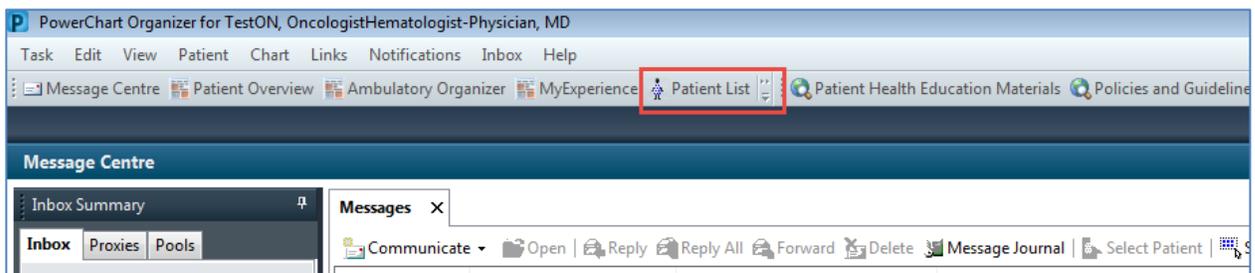
Note: While orders are viewable across all encounters, the same cannot be said for the Medications on the **Medication Administration Record (MAR)**. Medications will only be viewable on the MAR for the encounter on which they were ordered. Chemotherapy orders within a PowerPlan are placed in a ‘Future’ status and will not appear on the MAR until the Nurse activates them. This becomes important in the case of a Patient in Transition.

- 1 Scenario A – An admitted patient with recurring encounter for chemotherapy treatment. Within some Healthcare organizations these patients need to be transferred from the Inpatient unit to the Ambulatory Chemotherapy Unit to receive their scheduled chemotherapy.

Prior to their appointment you may visit them on the Inpatient unit to determine if they are fit to receive treatment and to place the orders. Orders placed on an encounter are viewable across all encounters. This means that orders that you place on the inpatient encounter will be viewable on the recurring encounter.

For practice we will use the same patient that we have been throughout this Workbook. the patient assigned to you with the last name of: Oncology-PHYB

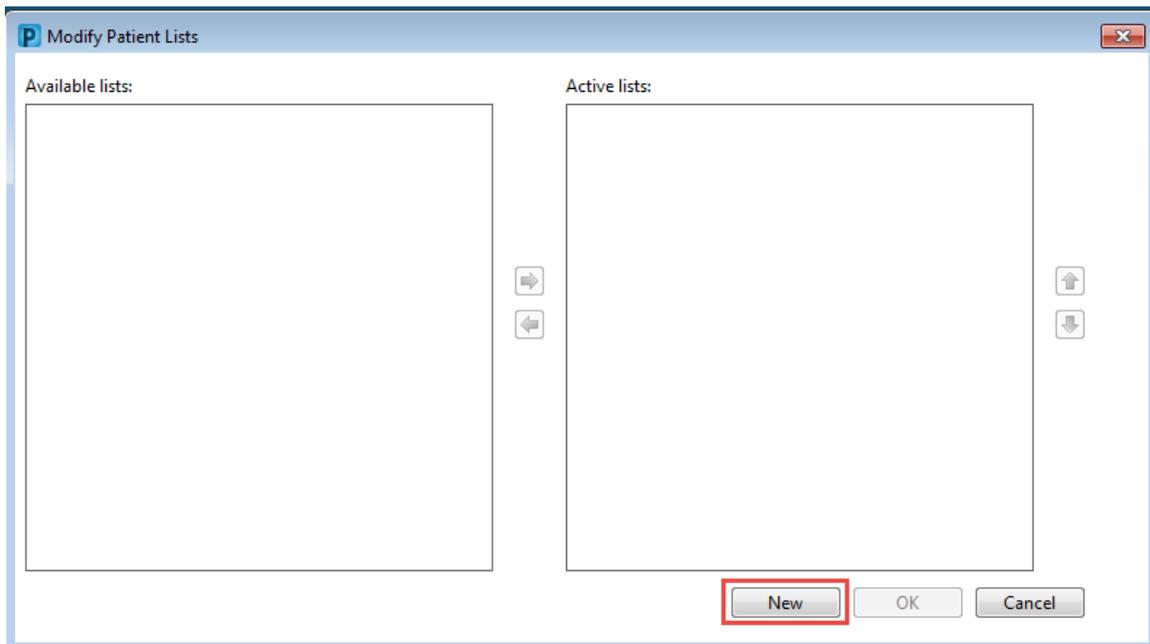
Login to Powerchart. Powerchart will open to your Message Centre. From the Organizer tool bar choose Patient list.



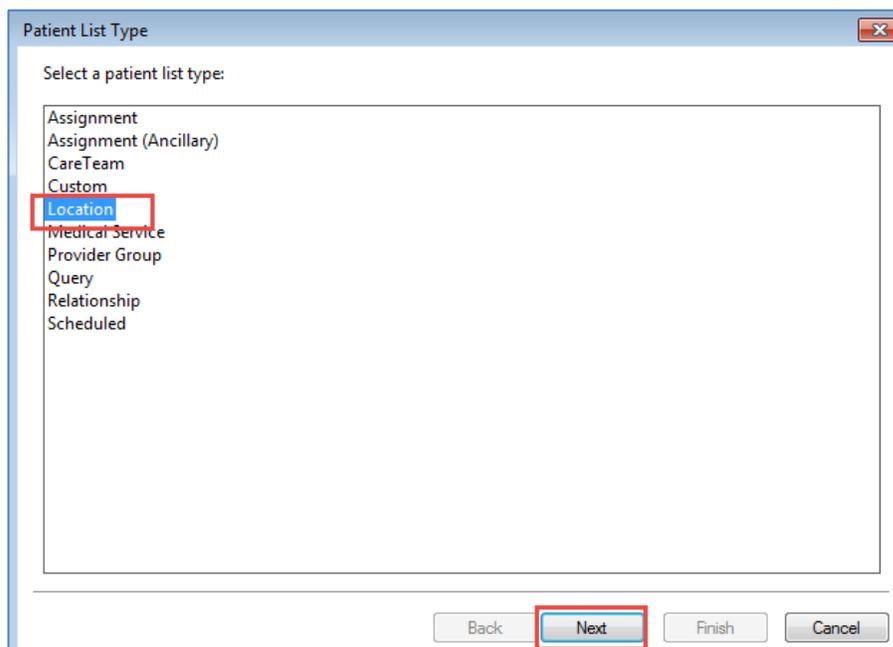
- 2 Click on the wrench icon.



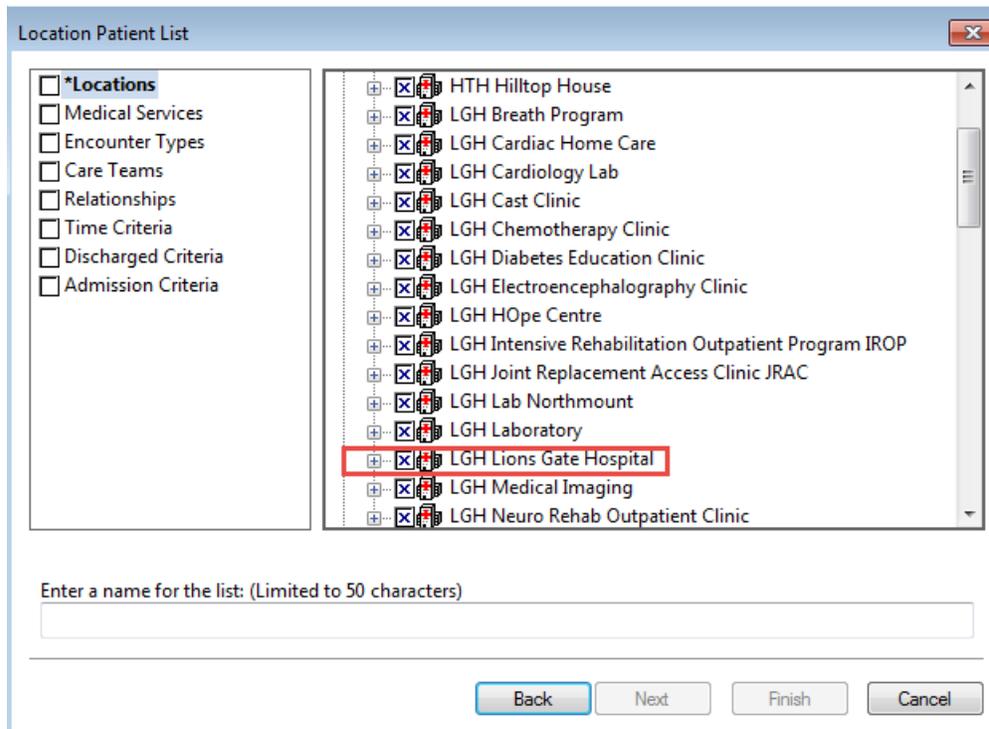
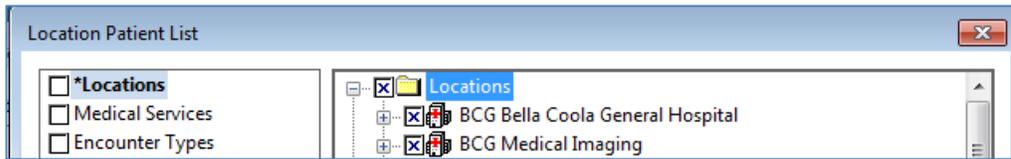
3 Click on **New** from the Modify Patient Lists window.



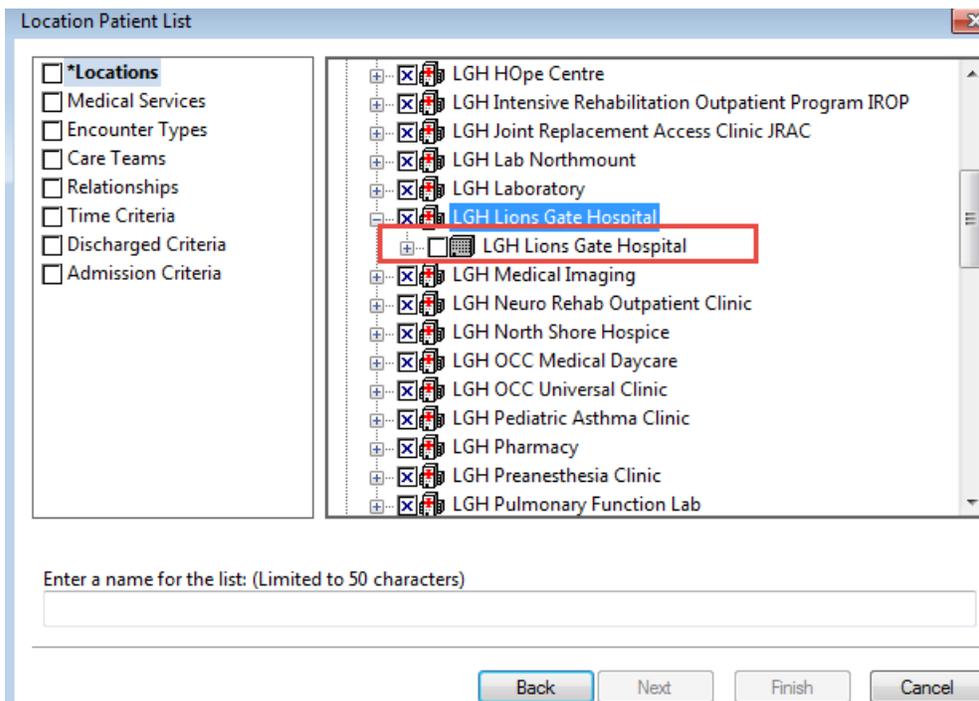
4 Click on **Location** and **Next** on the Patient List Type Window.



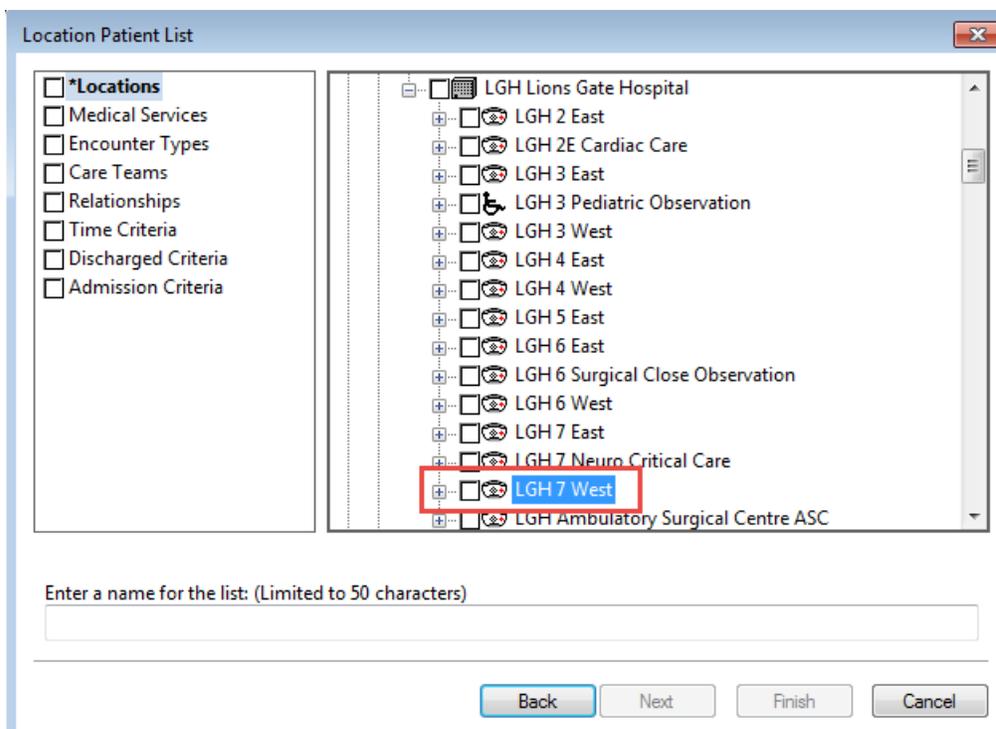
5 Click on Locations and scroll to find LGH Lions Gate Hospital.



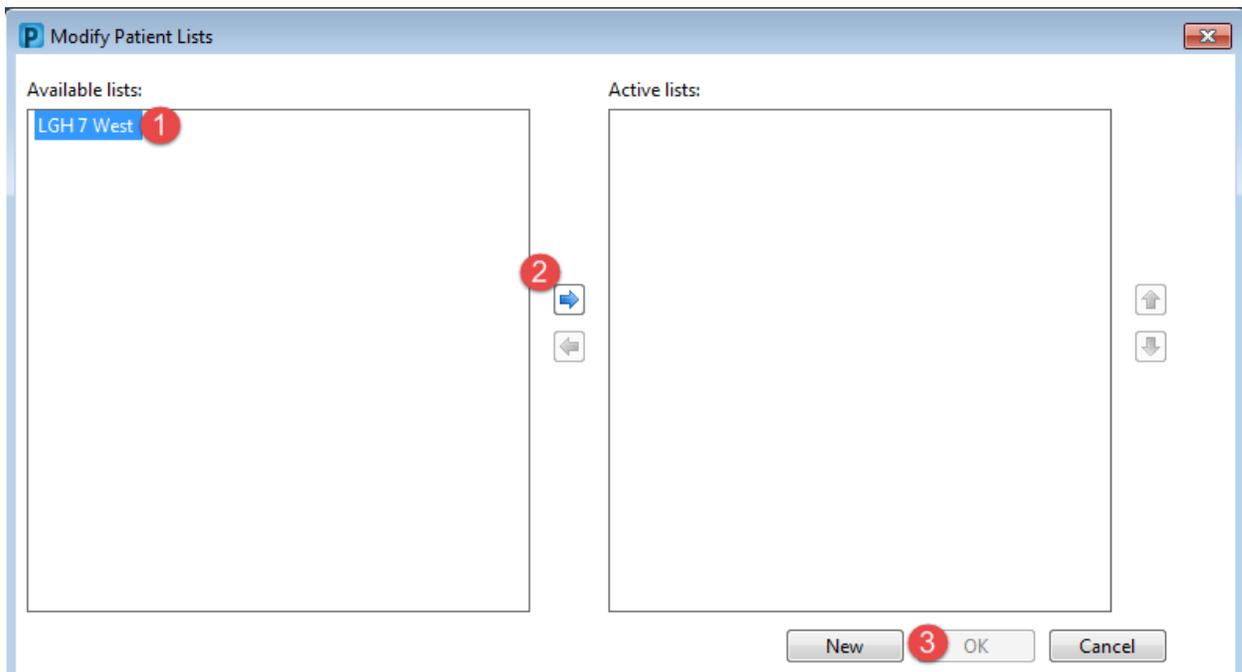
Select Lions Gate Hospital again.



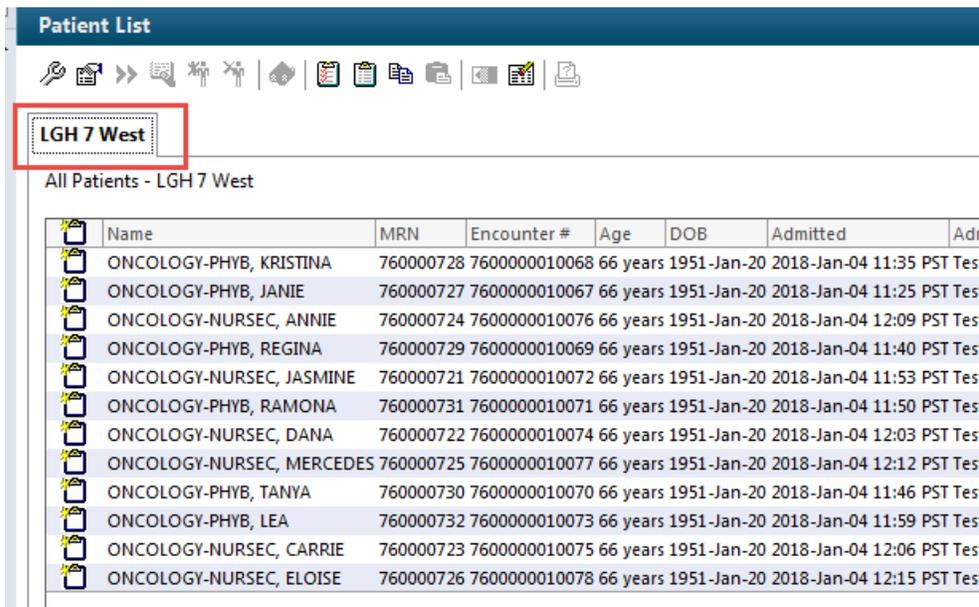
And for today check the box for LGH 7 West, and then click finish.



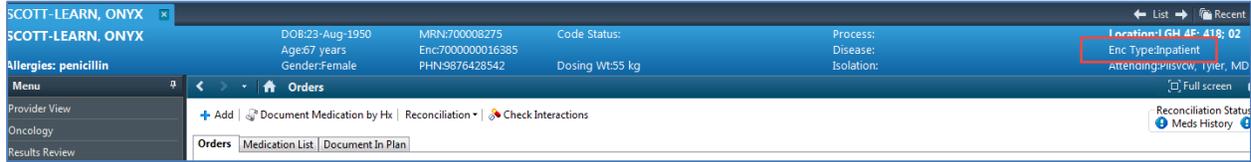
- This brings you back to the Modify Patient Lists window. Select LGH 7 West, click on the appropriate arrow to add the unit to the Active Lists window and click OK.



- This brings you back to the Patient List screen. Choose the list you just created.



- 8 Find your patient on this list and double click on their name to open their chart. You will need to assign a relationship before gaining access to the chart.

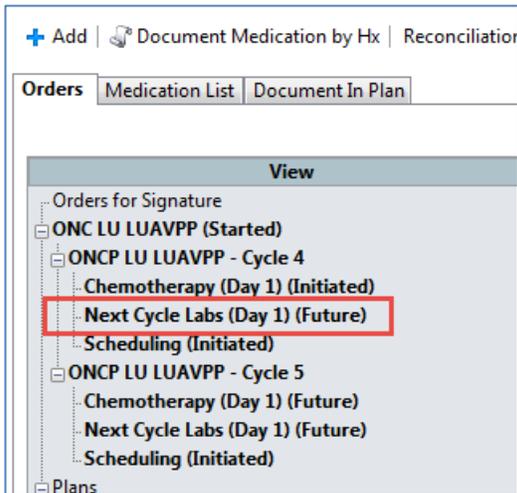


Note: You are now in the chart of their Inpatient encounter.

- 9 Once you have finished assessing the patient and reviewing their chart you determine that they are fit for treatment. You now wish to **Activate** the orders for the bloodwork required by the protocol. Navigate to the **Orders** screen.



- 10 From the **PowerPlan** for Cycle 4, select **Next Cycle Labs**.



11 The Cycle 4 labs will display. These labs are currently in a ‘future (on hold)’ state.

ONCP LU LUAVPP - Cycle 4, Next Cycle Labs (Day 1) (Future) *Est. 2018-Feb-05 09:28 PST - 2018-Feb-05 09:28 PST			
Last updated on: 2018-Jan-17 09:29 PST by: Train, OncologistHematologist-Physician1, MD			
			Day 1
		Component	Future
			*Est. 2018-Feb-05 09:28 PST
			Activate Actions
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Differential (CBC and Differential) Blood, Routine, Collection: 2018-Feb-05, once, Order for fut...	Future (On Hold)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Platelet Count Blood, Routine, Collection: 2018-Feb-05, once, Order for fut...	Future (On Hold)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Creatinine Level Blood, Routine, Collection: 2018-Feb-05, once, Order for fut...	Future (On Hold)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Bilirubin Total Blood, Routine, Collection: 2018-Feb-05, once, Order for fut...	Future (On Hold)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Alanine Aminotransferase Blood, Routine, Collection: 2018-Feb-05, once, Order for fut...	Future (On Hold)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Lactate Dehydrogenase Blood, Routine, Collection: 2018-Feb-05, once, Order for fut...	Future (On Hold)

12 Change the **Estimated date** to the date for today by selecting the down arrow by the **Activate/Actions** tab and selecting **Change Start Date/Time**. Select the date and give a reschedule reason on the subsequent screen.

ONCP LU LUAVPP - Cycle 4, Next Cycle Labs (Day 1) (Future) *Est. 2018-Feb-05 09:28 PST - 2018-Feb-05 23:28 PST			
Last updated on: 2018-Jan-17 09:29 PST by: Train, OncologistHematologist-Physician1, MD			
			Day 1
		Component	Future
			*Est. 2018-Feb-05 09:28 PST
			Activate/Actions
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Differential (CBC and Differential) Blood, Routine, Collection: 2018-Feb-05, once, Order for fut...	Future (On Hold)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Platelet Count Blood, Routine, Collection: 2018-Feb-05, once, Order for fut...	Future (On Hold)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Creatinine Level Blood, Routine, Collection: 2018-Feb-05, once, Order for fut...	Future (On Hold)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Bilirubin Total Blood, Routine, Collection: 2018-Feb-05, once, Order for fut...	Future (On Hold)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Alanine Aminotransferase Blood, Routine, Collection: 2018-Feb-05, once, Order for fut...	Future (On Hold)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Lactate Dehydrogenase Blood, Routine, Collection: 2018-Feb-05, once, Order for fut...	Future (On Hold)

13 The orders will now display as 'Rescheduled'.

ONCP LU LUAVPP - Cycle 4, Next Cycle Labs (Day 1) (Future Pending) *Est. 2018-Feb-05 09:28 PST		
Last updated on: 2018-Jan-17 09:29 PST by: Train, OncologistHematologist-Physician1, MD		
	Component	Day 1 Future Pending *Est. 2018-Jan-17 16:1...
<input type="checkbox"/>	Differential (CBC and Differential) Blood, Routine, Collection: 2018-Feb-05, once, Order for fut...	Reschedule
<input type="checkbox"/>	Platelet Count Blood, Routine, Collection: 2018-Feb-05, once, Order for fut...	Reschedule
<input type="checkbox"/>	Creatinine Level Blood, Routine, Collection: 2018-Feb-05, once, Order for fut...	Reschedule
<input type="checkbox"/>	Bilirubin Total Blood, Routine, Collection: 2018-Feb-05, once, Order for fut...	Reschedule
<input type="checkbox"/>	Alanine Aminotransferase Blood, Routine, Collection: 2018-Feb-05, once, Order for fut...	Reschedule
<input type="checkbox"/>	Lactate Dehydrogenase Blood, Routine, Collection: 2018-Feb-05, once, Order for fut...	Reschedule

Click . Click and .

14 Click on the down arrow beside **Activate/Actions** order one more time and choose **Activate**. On the subsequent screens, click . Review your new orders and click . Click refresh .

ONCP LU LUAVPP - Cycle 4, Next Cycle Labs (Day 1) (Future) *Est. 2018-Jan-17 16:15 PST - 2018-Jan-18 06:15 PST		
Last updated on: 2018-Jan-17 16:24 PST by: Train, OncologistHematologist-Physician1, MD		
	Component	Day 1 Future *Est. 2018-Jan-17 16:1...
<input type="checkbox"/>	Differential (CBC and Differential) Blood, Routine, Collection: 2018-Jan-17, once, Order for futu...	Future
<input type="checkbox"/>	Platelet Count Blood, Routine, Collection: 2018-Jan-17, once, Order for futu...	Future (C)
<input type="checkbox"/>	Creatinine Level Blood, Routine, Collection: 2018-Jan-17, once, Order for futu...	Future (C)
<input type="checkbox"/>	Bilirubin Total Blood, Routine, Collection: 2018-Jan-17, once, Order for futu...	Future (C)
<input type="checkbox"/>	Alanine Aminotransferase Blood, Routine, Collection: 2018-Jan-17, once, Order for futu...	Future (C)
<input type="checkbox"/>	Lactate Dehydrogenase	Future (C)

- 15 Your lab orders are now in the 'Ordered' status. The lab has been automatically notified of the order and because they were activated on an inpatient encounter and unit (remember that you accessed the chart from the patient list for the location of your patient?) the lab will attend the unit to draw the bloodwork. You may proceed to placing the orders for the next cycle of chemotherapy.

ONCP LU LUAVPP - Cycle 4, Next Cycle Labs (Day 1) (Initiated) *Est. 2018-Jan-17 16:25 PST - 2018-Jan-17 16:25 PST		Day 1
Last updated on: 2018-Jan-17 16:25 PST by: Train, OncologistHematologist-Physician1, MD		Initiated
		2018-Jan-17 16:25 PST
Component		Actions
<input checked="" type="checkbox"/> Differential (CBC and Differential) Blood, Routine, Collection: 2018-Jan-17 16:25 PST, once		Ordered
<input checked="" type="checkbox"/> Platelet Count Blood, Routine, Collection: 2018-Jan-17 16:25 PST, once		Ordered
<input checked="" type="checkbox"/> Creatinine Level Blood, Routine, Collection: 2018-Jan-17 16:25 PST, once		Ordered
<input checked="" type="checkbox"/> Bilirubin Total Blood, Routine, Collection: 2018-Jan-17 16:25 PST, once		Ordered
<input checked="" type="checkbox"/> Alanine Aminotransferase Blood, Routine, Collection: 2018-Jan-17 16:25 PST, once		Ordered
<input checked="" type="checkbox"/> Lactate Dehydrogenase Blood, Routine, Collection: 2018-Jan-17 16:25 PST, once		Ordered

- 16 Scenario B – Direct Admission of a Patient from the Ambulatory Chemotherapy Unit

There is no activity associated with this scenario. Please remember that the medications that you order on the recurring encounter will only appear on the MAR for the Ambulatory Nurses and not be on the MAR that the Inpatient unit nurses will be using. The Inpatient Unit Nurses will be able to view what the patient has received by viewing the MAR summary, the contents of which are viewable across encounters.

Medication	12-Dec-2017 0000 - 2359	11-Dec-2017 0000 - 2359	10-Dec-2017 0000 - 2359
Scheduled			
Cisplatin (Cisplatin - oncology) 93 mg, IV, once oncology, administer over: 60 minu...			
dexamethasone 4 mg, PO, once oncology, drug form: tab, first dose: Routine, start: 22-Nov-20...			
magnesium sulfate 2 g, IV, q24h, administer over: 30 minute, drug form: bag, start: 28-Nov-...	@1600	@1600	@1600
ondansetron 8 mg, PO, once oncology, drug form: tab, first dose: Routine, start: 22-Nov-20...			
pemetrexed (pemetrexed - oncology) 775 mg, IV, once oncology, administer over: 10 minu...			
sodium chloride 0.9% (sodium chloride 0.9% (NS) bolus) 1,000 mL, IV, once oncol...			

Key Learning Points

- As an Ambulatory physician you can navigate and place orders on an Inpatient Encounter.
- Orders that have been placed will cross encounters.
- The MAR does not cross encounters.

PATIENT SCENARIO 2 – Clinical Trials

Learning Objectives

At the end of this Scenario, you will be able to:

- Navigate Protocol Office Manager (POM)
- Review Clinical Trials already built in POM

BACKGROUND

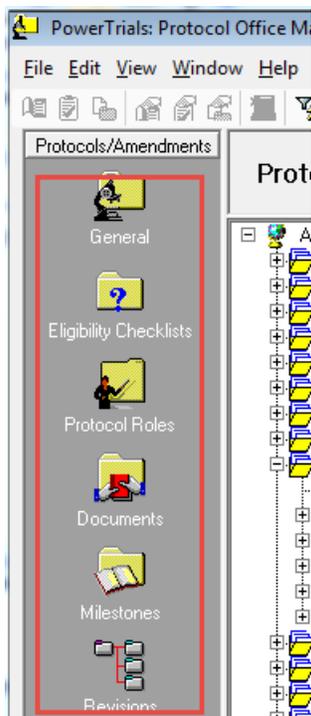
In this workbook you will learn to navigate the Clinical Trials applications that will be implemented with the new CIS. The terms 'study' and 'protocol' will be used interchangeably throughout the document. **Protocol Office Manager (POM)** provides a view of all the studies that have been built within the system. You would access POM to view available trials for referral.

Activity 2.1 – Access Protocol Office Manager (POM)

1 Click on **Protocol Office Manager** within the organizer toolbar.

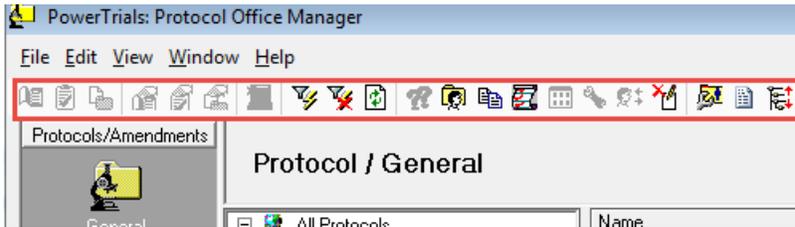


2 The following views are available. The Action table, seen below, describes the content within each view.

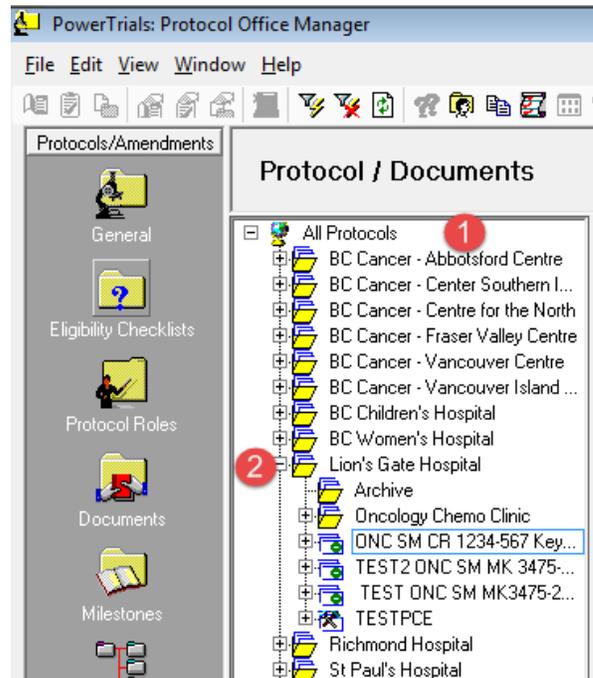


Icon	Action
	The General view for a protocol displays summary information about the protocol.
	The Eligibility Checklists view for a protocol displays information about the enrolling checklists associated with the protocol. This folder may be empty.
	The Protocol Roles view for a protocol displays summary information about the roles associated with a protocol.
	The Documents view for a protocol displays information about the documents associated with the protocol.
	The Milestones view for a protocol displays information about the milestones associated with a protocol.
	The Revisions view for a protocol displays information about the revisions associated with a protocol.

- Find the Icon toolbar and review the indication for each icon by hovering over the icon.



- The list of facilities for which there are study protocols available.
 - You can expand by clicking  to see further details such as clinics/tumor types and study protocols available.



Key Learning Points

- Clinical Trials has its own functionality within the CIS, Protocol Office Manager.
- POM provides a view of all studies that are available within the system.

Activity 2.2 – Find and Review a Protocol within POM

The specific protocols available for your site have been built into the CIS. The study has been entered into **POM** and you would like to view the protocol information. The Protocol Name is CR 1234-567 Keychain TRAIN. The site is Oncology Chemo Clinic at Lions Gate Hospital.

1 Find your protocol in the ‘All Protocols’ section by clicking on the  and  as needed

2 When you have selected your protocol (1), click on the **General** view (2). This view will give you access such as, who the Principal Investigator is (3), the date the study was activated (4), the study status (5) and the Initiating Service (site) (6).

Protocols/Amendments

-  **2**
General
-  Eligibility Checklists
-  Protocol Roles
-  Documents
-  Milestones
-  Revisions

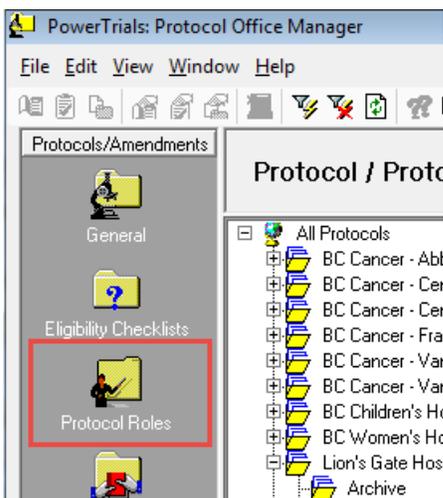
Protocol / General

 All Protocols

-  BC Cancer - Abbotsford Centre
-  BC Cancer - Center Southern Interior
-  BC Cancer - Centre for the North
-  BC Cancer - Fraser Valley Centre
-  BC Cancer - Vancouver Centre
-  BC Cancer - Vancouver Island Centre
-  BC Children's Hospital
-  BC Women's Hospital
-  Lion's Gate Hospital
-  Archive
-  Oncology Chemo Clinic
- 1**  **Onc SM CR 1234-567 Keychain TRAIN**
-  TEST2 Onc SM MK 3475-252 Keynote
-  TEST Onc SM MK3475-252 Keynote
-  TESTPCE
-  Richmond Hospital
-  St Paul's Hospital
-  UBC Hospital
-  Vancouver General Hospital

Name	General Protocol Information
Title	A Phase 3 Random Unresectable or Me
Primary Mnemonic	ONC SM CR 1234-5
Protocol Aliases	Secondary Contact
	Primary Contact - PI
	REB # - 12345
	Health Canada NOI
	Site # - 1234567
Date of IRB Approval	
Date Activated 4	01-Dec-2017
Date IRB Approval Expires	
Date Closed	
Date Completed	
Status 5	Open to Accrual
Current Site Accrual	1
Site's Targeted Accrual	6
Trial Wide Targeted Accrual	600
Principal Investigator 3	TestON, Oncologist
Study Type	Therapeutic
Phase	III
Program	Drug
Participation Type	Interventional
Treatment Modalities	
Diseases to be Treated	
Primary Sponsor	Incyte Corporation
Secondary Sponsors	
Initiating Service 6	Lion's Gate Hospite
Protocol Contacts	Grewal, Parvind - Cr TestON, Oncologist

- 3 Click on the **Protocol Roles** view. This will give you access to information such as who the study creator is, who the Research/Clinical Trials Nurse is, who the Study/Data Coordinator is, etc.



- 4 Now click on the **Documents** view. Navigate to see what documents are available here. (Viewable only if provider has been allotted a role to the study).

- 5 Click on the **Milestones** view. You can find the date of study activation under this view. (Viewable only if provider has been allotted a role to the study).

- 6 Click on the **Revisions** view. (Viewable only if provider has been allotted a role to the study).

Key Learning Points

-  Use POM to review protocols available and general information about the protocol.
-  There are 6 different views in POM where you can find more information about the protocol.

■ PATIENT SCENARIO 3 –Clinical Research Component and Tab within PowerChart

Learning Objectives

At the end of this Scenario, you will be able to:

- Navigate the Clinical Research Component and tab
- Recall the purpose of the Clinical Research Component and tab
- Access the Prohibited Medications List
- Access contact information for the Study Team

BACKGROUND

The purpose of the **Clinical Research Component** is to provide study specific quick information. It also serves as a visual aid to notify all healthcare professionals the patient is on a study, or has been in the past. The component is hyperlinked to the **Clinical Research** tab, which provides the user with more detailed information about the study.

Activity 3.1 – Navigating the Clinical Research Tab of PowerChart

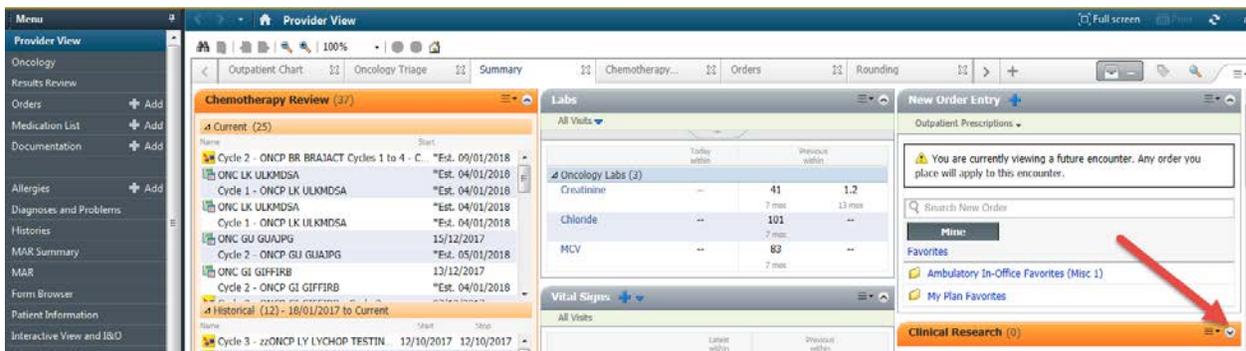
For this activity, please use the patient assigned to you with the last name of:

Oncology-Phy-ClinicalTrial

- 1 Open the patient’s chart and look at the **Bannerbar** to see the **Process**: field. You may need to hover over the process field if there are multiple alerts to confirm, **On Research Study** process alert, exists.



- 2 Click on the **Provider View** under the **Menu**, and navigate to the **Summary MPage**. Find the **Clinical Research Component**. Click on the  in the right hand corner to expand the view.

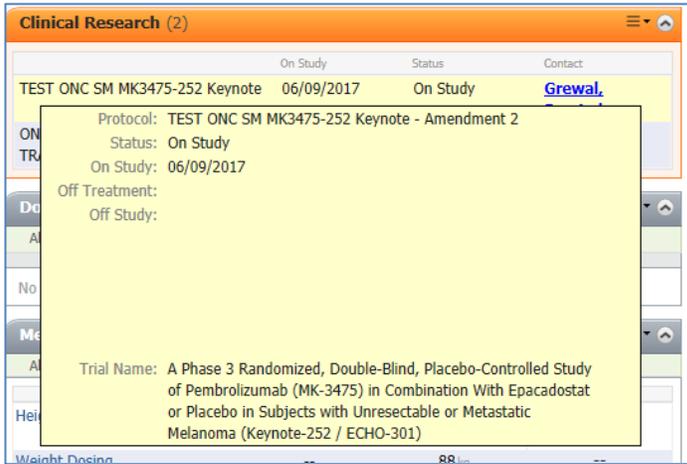


- 3 Click on the **Contact Name** in order to see more details related to study contact information. Click **Close** when you are done viewing the information.

Contact Name	ROLE	Organization	Phone Number
Grewal, Parvind	Creator/Start Up Coordinator		
Plisvck, Rayford, MD	Sub/Co-Investigator	LGH Lions Gate Hospital	(172)913-2463
TestCST, OncologyAmbulatory- Nurse3 ON	Research/Clinical Trials Nurse	LGH Lions Gate Hospital	
TestCST, OncologyAmbulatory- Nurse4 ON	Research/Clinical Trials Nurse	LGH Lions Gate Hospital	

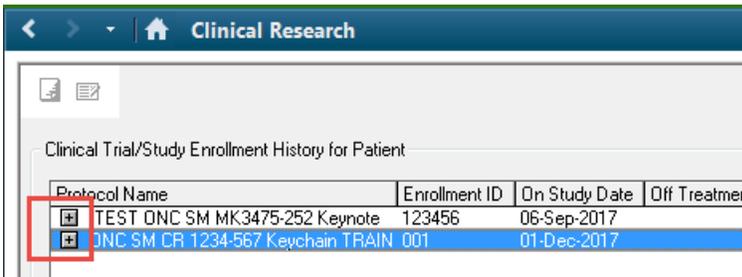
[Close](#)

- 4 Hover over the details within the component to discover more protocol information.

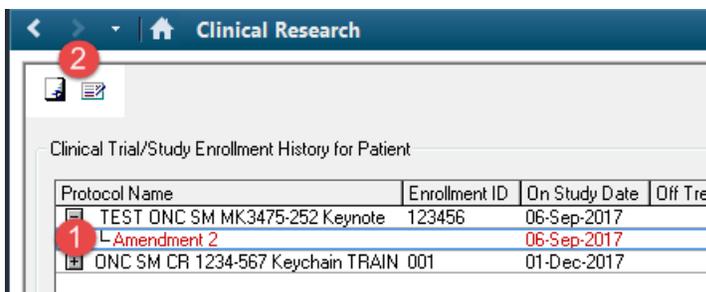


- 5 Click on the **Component** where it says 'Clinical Research' to launch into the **Clinical Research** tab.

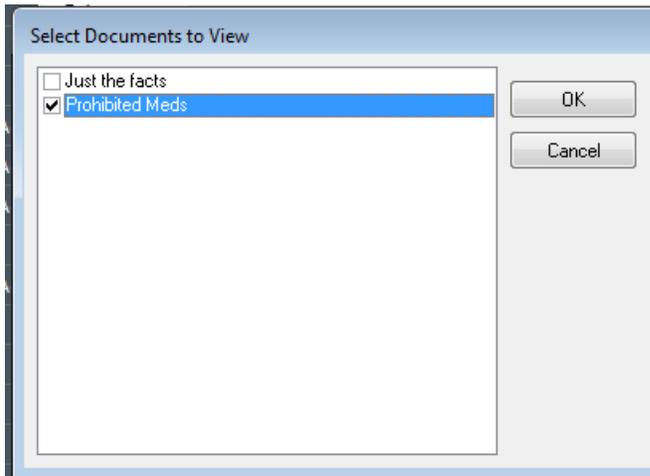
Click  to expand the protocol



- 6 Select the latest amendment and/or initial trial (1) and then click the  (2). This opens the Select Documents to view window.

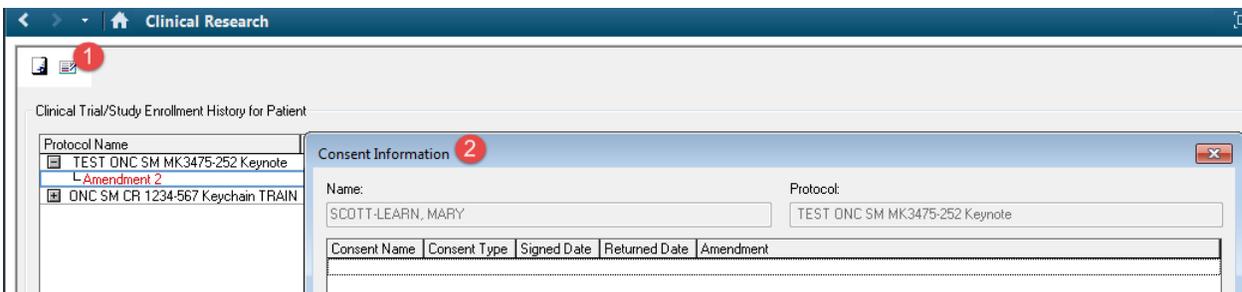


7 Select the Prohibited Drugs document. And click OK.



Note: The prohibited medications list must be reviewed before ordering any medications for a clinical trial patient.

8 Click on the  icon (1) which will display additional information about patient consent (2).



Key Learning Points

- Reviewing the Banner bar for process alerts will help you determine if the patient is on a research study.
- The Clinical Research Component/Clinical Research tab will give you a summary about the study and the contacts for the study.
- Accessing the Prohibited Medications List is done by clicking on the protocol or amendment and then clicking on the documents icon.

PATIENT SCENARIO 4 – Placing Research Orders

Learning Objectives

At the end of this Scenario, you will be able to:

- Recall the naming conventions for research PowerPlans
- Place a Research PowerPlan order

BACKGROUND

You can only order research Regimens/PowerPlans if the patient is enrolled in the study. If you attempt to place a research Regimen order on a patient not enrolled in a study you will receive a pop-up that states “This patient has not been enrolled in this study.” If this occurs, contact your Research Nurse/Coordinator to ensure the patient has been enrolled in PowerTrials.

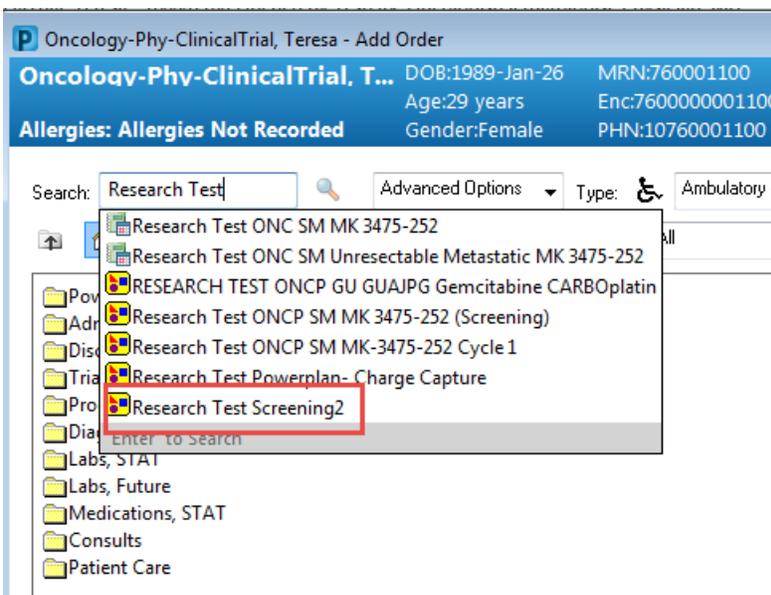
Activity 4.1 – Practice Activity

While in the clinic you are reviewing your patients scheduled for the day in Ambulatory Organizer. Your next patient scheduled is on a clinical trial. Follow the steps below to place a research order.

For this activity, please use the patient assigned to you with the last name of:

Oncology-Phy-ClinicalTrial

- 1 Select the **Provider View**, navigate to the **Orders** tab and click on the plus sign within the New Orders Component **New Order Entry** . This opens the Add Order window. Within the search bar, type in the name of the Regimen. Search for and select ‘Research Test Screening2’ This plan has been built for practise and has been linked to the study that the patient is enrolled in.



Note: The naming convention for Research protocols is Research_Department_Tumor Type_Protocol Name or #_phase of study treatment. All research PowerPlans will start with ‘Research’ and the Department code will be followed by P for PowerPlan.

- 2 Once you have selected the PowerPlan that you are ordering, complete the ordering process by: reviewing all orders within each phase of the PowerPlan, completing missing required details within orders as indicated by  icon and signing the orders. If you need guidance with these steps, please reference Activity 1.2 on page 11 or return to Workbook #1.

Key Learning Points

- Remember that research orders and PowerPlans begin with Research.
- Clinical Trial patients need to be enrolled in PowerTrials before you order the Research PowerPlan.
- Oncology Research Nurses will ensure the correct PowerPlan orders are placed.

End Book Two

You are ready for your Key Learning Review. Please contact your instructor for your Key Learning Review.