

Ordering Oncology Chemotherapy Regimens/PowerPlans

The following topics review and expand related to Ordering Oncology Chemotherapy Regimens and PowerPlans:

- Terms to understand when ordering Oncology plans
- PowerPlan Note Types
- Placing an Oncology Regimen
 - Pre-treatment plan
 - Baseline Lab phase
 - Diagnostic phase
 - Chemotherapy phase
 - Scheduling phase
- Prescription Ordering

Terms to Understand when Ordering Oncology Plans

1. PowerPlan:

- One individual order set or cycle of treatment
- The orders are broken out into phases of treatment and days of treatment
- PowerPlans are indicated by  icon
- Oncology PowerPlans are indicated with a “P” suffix indicating PowerPlan. (ex: ONCP BR BRAVA7)



NOTE: Prescription only plans are built as **PowerPlans**, not Regimens. Please refer to **Oncology Prescription** Help Topics to review Oncology prescription ordering and plans.

2. Regimen:

- A grouping of PowerPlans or individual cycles of treatment
- One regimen may equal an entire protocol
- Regimens are indicated by  icon
- The naming convention for Regimens varies slightly from that of PowerPlans in that the “P” indicating PowerPlan **is removed**, (ex: ONC BR BRAVA7)

3. Phases:

- Oncology PowerPlans are groups of orders categorized by **phases**, such as Chemotherapy, labs, diagnostics and scheduling which allow for orders within a PowerPlan 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

4. **Zero Time Orders** - added to PowerPlans as an anchor order to allow accurate timing and sequencing on the eMAR (Electronic Medication Administration Record). No additional action is required for time zero order within plans.

PowerPlan Note Types

1. **Blue note** types divide the PowerPlan into phase headings (e.g. Chemotherapy, Next Cycle Labs, Prescriptions, Scheduling)
2. **Green note** types divide the PowerPlan into sections (e.g. Pre-Chemo Metrics, Pre-Medications, Treatment Regimen, Post-Treatment)
3. **Teal note** types are specific to nursing and provide instructional information to the clinician (e.g. Frozen Gloves, No Ice Chips, Ensure patient has taken pre-med, See Patient Handout).
4. **Yellow note** types are specific to providers and can include guidance in ordering (Ex: Book Chemotherapy education appointment, Book for IVAD placement, Ensure antiviral prophylaxis ordered in certain protocols).

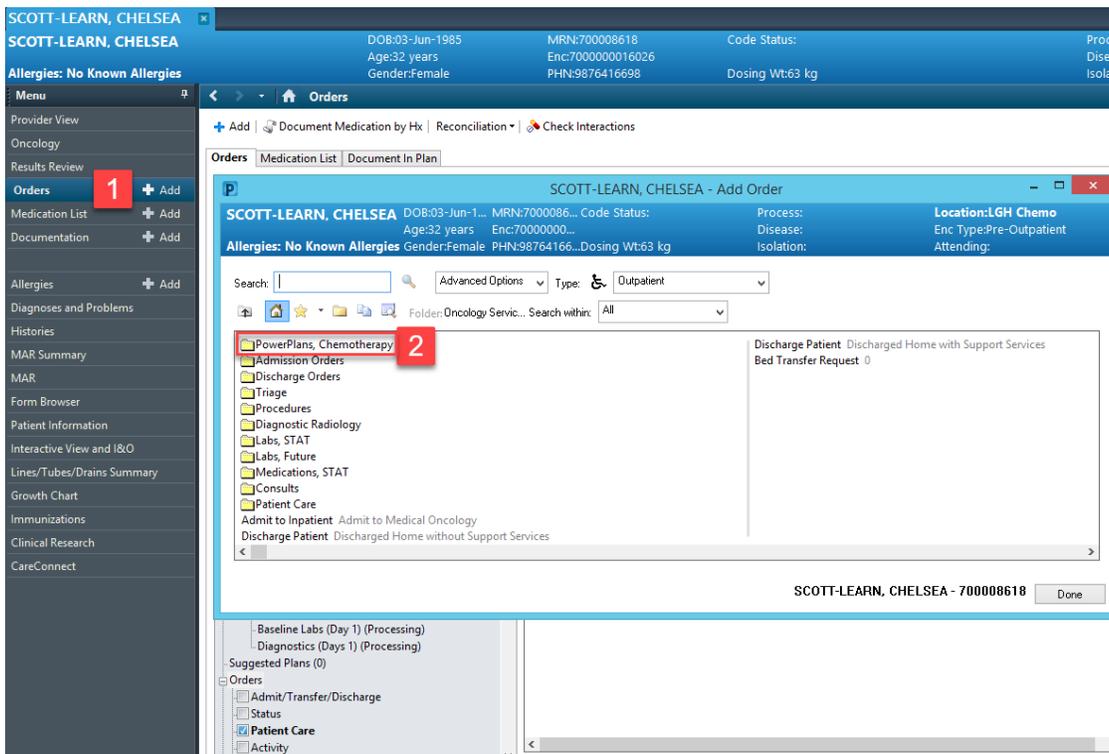


NOTE: These orders may not be available to select within the Chemotherapy treatment plan and will therefore need to be ordered via the Orders page within the Provider View.

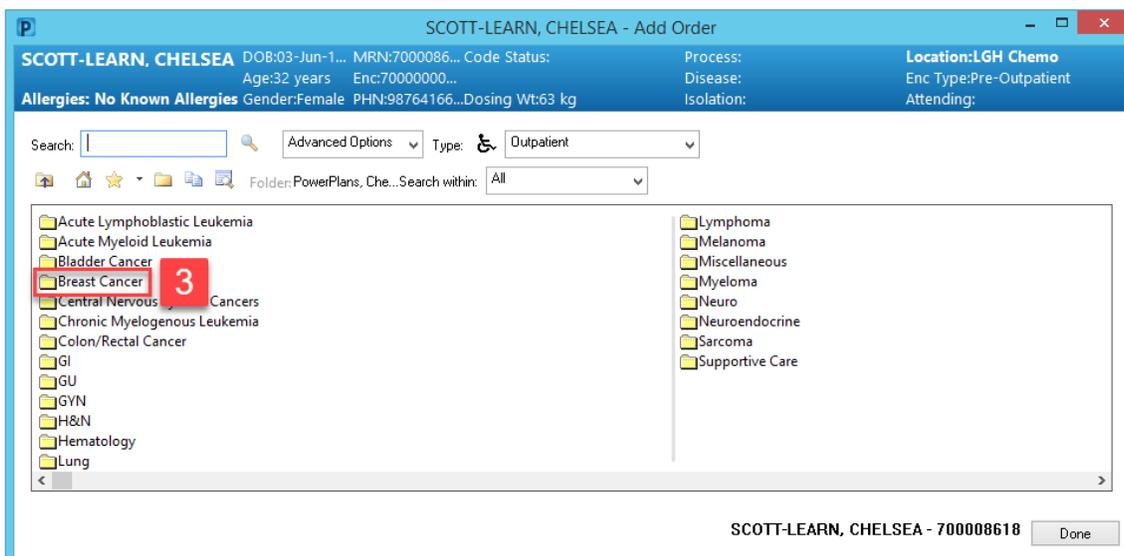
ONCP BR BRLATACG Cycles 1 to 4 - Cycle 1, Chemotherapy (Day 1) (Future Pending) *Est. 09-Mar-2018 08:00 PST - 14 Days			
1	Component	Day 1	Future Pending
			*Est. 09-Mar-2018 08:...
			Actions ▾
<input type="checkbox"/>	Proceed With Treatment Based on Blood Work From		
<input type="checkbox"/>	OK to Proceed with Treatment	2	
	Pre-Chemo Metrics		
	Neutrophil - Greater Than or Equal 1.0 x10 9/L	-24 hr	Planned
	Neutrophils - Greater Than or Equal 1.00 x10 ...	-24 hr	Planned
	Platelet Count - Greater Than or Equal 100 x1...	-24 hr	Planned
	Pre-Medications		
<input checked="" type="checkbox"/>	dexamethasone 20 mg, IV, once oncology, administer over: 15 minute, drug ... Day 1		-45 min Planned
<input checked="" type="checkbox"/>	diphenhydrAMINE 50 mg, IV, once oncology, administer over: 20 minute, drug ... Compatible up to 3 hours when mixed in bag with ranitidine...		-30 min Planned
<input checked="" type="checkbox"/>	ranitidine 50 mg, IV, once oncology, administer over: 20 minute Compatible up to 3 hours when mixed in bag with diphenhy...		-30 min Planned
3	Have Hypersensitivity Reaction Tray and Protocol Available for Cycles 1 to 4		
	Treatment Regimen		
<input checked="" type="checkbox"/>	Zero Time		0 hr Planned
<input checked="" type="checkbox"/>	PACLitaxel (PACLitaxel - oncology) 175 mg/m2, IV, once oncology, administer over: 3 hour, dru... Use non-DEHP tubing with 0.22 micron or smaller in-line filt...		0 min Planned
4	Procedural/Schedulable Orders		
	Book filarastim (G-CSF) SC teaching and first dose		
	Schedulable Orders		

Placing an order for an Oncology Regimen

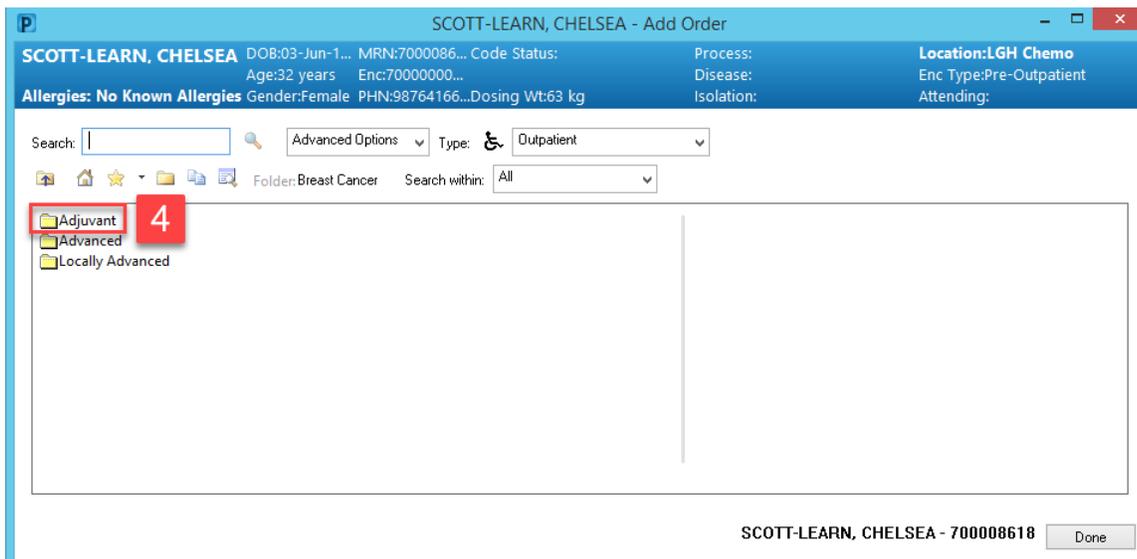
1. Click on the Add  icon to right of **Orders** in the menu tab from the Provider view. Add Orders page opens.
2. Click on the **PowerPlans, Chemotherapy** folder.



3. Select the appropriate disease/tumor group folder.

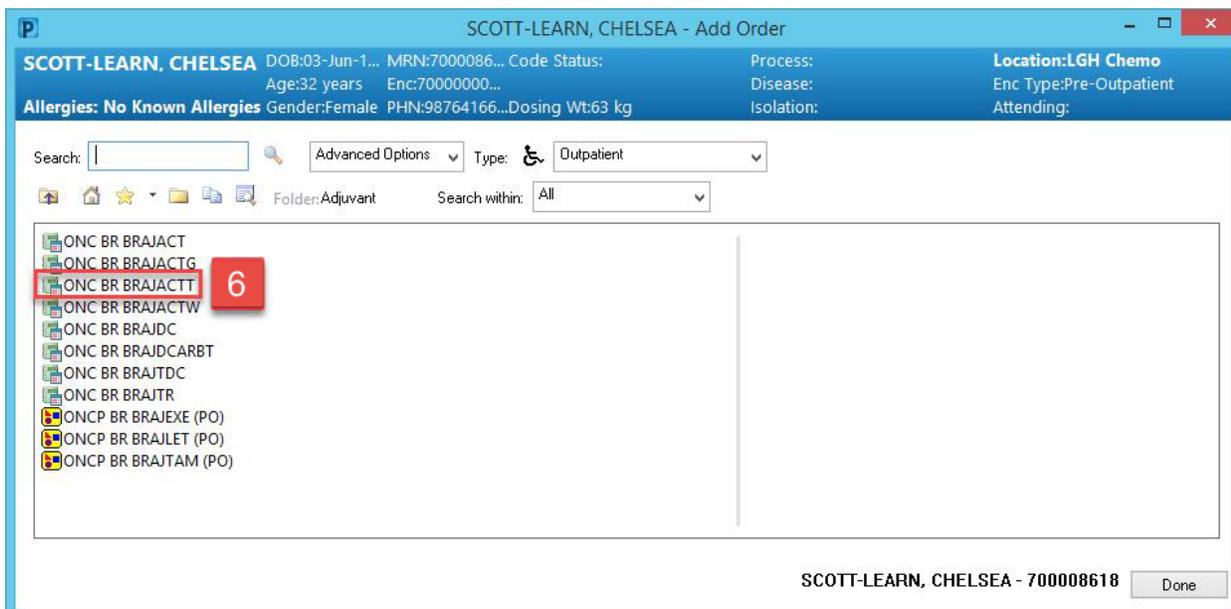


- Click on the treatment intent folder based on the plan you wish to order.



You will find all of the Regimens and PowerPlans for that disease/tumor site group and treatment intent.

- Select the Regimen  or PowerPlan  you wish to order.
- Select the ( **ONC BR BRAJACTT**) Regimen for the purposes of this activity. The **Add Regimen** window will open.



7. Select a date.

You will be required to enter an estimate start date/time. Use the drop down arrow to access the calendar and select a date or you can enter a value for the day, week(s), or month(s) field will automatically calculate the correct estimated start date and time from today.

8. Click **OK**. The Pretreatment Plan window will open.



WARNING: This is the **READY TO TREAT** date which will be used for reporting purposes.

Pre-Treatment Plan

When a pre-treatment PowerPlan has been designed, you will find the Pre-treatment PowerPlan listed before the first cycle of the **Regimen**. **Pre-treatment PowerPlans** include orders for labs, diagnostics, and/or prescriptions needed prior to the first cycle of Chemotherapy.

- Notice that the **If clinically indicated:** labs are initially excluded. If you want to include these labs within the treatment plan, select the order by checking the box next to the order.

REMEMBER: When you sign the lab orders a lab requisition will print that you can provide to the patient to present to the lab at a future date.

Component	Status	Date
Book for CVAD Insertion per Centre process if required		Day 1 Future Pending *Est. 04-Apr-201...
<input checked="" type="checkbox"/> Differential (CBC and Differential) Blood, once, Order for future visit	Planned	
<input checked="" type="checkbox"/> Bilirubin Total Blood, once, Order for future visit	Planned	
<input checked="" type="checkbox"/> Alanine Aminotransferase Blood, once, Order for future visit	Planned	
<input type="checkbox"/> If clinically indicated:		
<input type="checkbox"/> Creatinine Level Blood, once, Order for future visit		
<input type="checkbox"/> Gamma Glutamyl Transferase Blood, once, Order for future visit		

NOTE: You can filter the Orders to only display the selected orders by clicking on the funnel icon .

- Click on the **Diagnostics** phase of the Pre-treatment plan.
- If clinically indicated, order a diagnostic exam to be completed prior to cycle 1 of treatment by clicking in the to select that order.

Component	Status	Date
Choose either NM MUGA or EC Echocardiogram if clinically indicated		Day 1 Future Pending *Est. 04-Apr-201...
<input checked="" type="checkbox"/> NM MUGA T:N, Reason: Ejection fraction for patient on tras...	Planned	
<input checked="" type="checkbox"/> EC Echocardiogram T:N	Planned	

Cycle 1:

1. Click **ONC BR BRAJACTT**: the Regimen header to return to the Regimen view.
2. Click **Start** to order cycle 1 of treatment.

View

Orders for Signature

- ONC BR BRAJACTT (Start Pending) **1**
- ONCP BR BRAJACTT Pretreatment Plan
 - Baseline Labs (Day 1) (Future Pending)
 - Diagnostics (Day 1) (Future Pending)
- Plans
 - Document In Plan
 - Suggested Plans (0)
- Orders
 - Admit/Transfer/Discharge
 - Status
 - Patient Care
 - Activity
 - Diet/Nutrition
 - Continuous Infusions
 - Medications
 - Blood Products
 - Laboratory
 - Diagnostic Tests

ONC BR BRAJACTT (Start Pending)

Show additional details

+ Add Document Response View Responses

ONCP BR BRAJACTT Pretreatment Plan *Est. Start Date: 28-Feb-2018 08:00 PST Repeat

2 ONCP BR BRAJACTT Cycles 1 to 4 - Cycle 1 *Est. Start Date: 28-Feb-2018 Start Skip

ONCP BR BRAJACTT Cycles 1 to 4 - Cycle 2 *Est. Start Date: 21-Mar-2018

ONCP BR BRAJACTT Cycles 1 to 4 - Cycle 3 *Est. Start Date: 11-Apr-2018

ONCP BR BRAJACTT Cycles 1 to 4 - Cycle 4 *Est. Start Date: 02-May-2018

ONCP BR BRAJACTT Cycle 5 - Cycle 5 *Est. Start Date: 23-May-2018

ONCP BR BRAJACTT Cycle 6 - Cycle 6 *Est. Start Date: 13-Jun-2018

ONCP BR BRAJACTT Cycles 7 and 8 - Cycle 7 *Est. Start Date: 04-Jul-2018

ONCP BR BRAJACTT Cycles 7 and 8 - Cycle 8 *Est. Start Date: 25-Jul-2018 Extend

3. Confirm the estimate start date and time for Cycle 1.
4. Click **OK**.

CSTONC, COLIN - Add Plan

ONCP BR BRAJACTT Cycles 1 to 4

Enter Cycle

1

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 05-Apr-2018 0800 PDT

Confirm Phase Action

Phase	Start Date/Time	Action
Chemotherapy (Day 1)	*Est. 05-Apr-2018 08:00 P...	Order for future visit
Next Cycle Labs (Day 1)	*Est. 24-Apr-2018 08:00 P...	Order for future visit
Diagnostics (Day 1)	*Est. 05-Apr-2018 08:00 P...	Order for future visit
Scheduling	05-Apr-2018 08:00 PDT	Order now

Additional Review Settings

Review Required

Review Provider

CSTONC, COLIN - 700005652

OK Cancel

5. Click on the **Chemotherapy** Phase of Cycle 1.

The **Ok to Proceed with Treatment** and the **Proceed With Treatment based on Blood Work From** order that appears before the pre-chemo metrics section are excluded orders (not pre-selected).

Select an order if a patient does not meet specified criteria for labs or other treatment parameters and you want to communicate to Nursing and Pharmacy to proceed with treatment.

The **Pre-Chemo Metrics** section contains lab indicators including reference range appropriate for the organization.

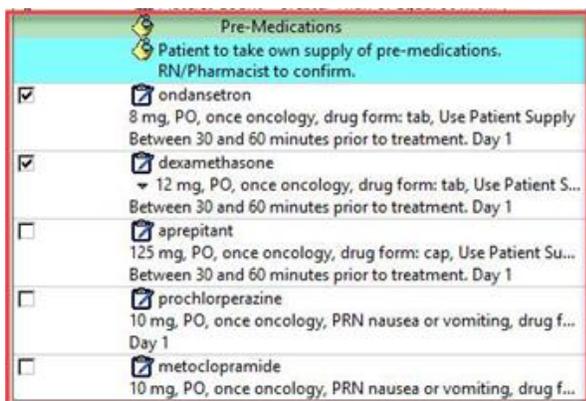
If the patient had their labs drawn at a Cerner site the results will populate underneath the indicator for the clinician to review.



NOTE: You will find two different instances of Neutrophil(s) lab. This is due to discrepancies in outside lab vendor reporting Neutrophil vs Neutrophils.

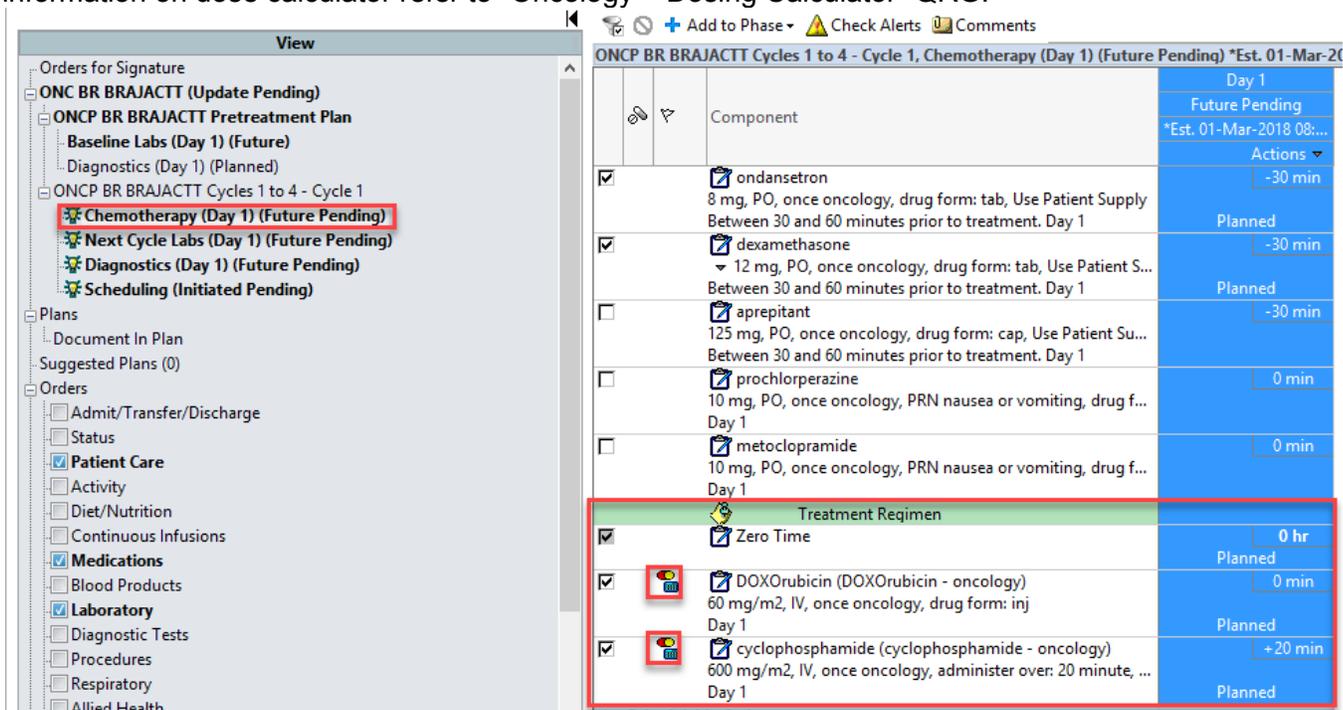
The **Pre-Medication** section contains planned clinic orders for the Nurse to document self-administration. The **prescription orders** for the pre-medications will be placed outside of the plan in via the **Orders** page in the **Provider View**.

Select any additional Pre-Medications desired here and complete missing required details if needed.



Scroll down to view the **Treatment Regimen** section of the Chemotherapy phase. Recall from previous learning you will be required to use the dosing calculator to confirm dosing for weight based drugs.

Double click on the dose calculator icon  to access the dosing calculator. For additional reference information on dose calculator refer to “Oncology – Dosing Calculator” QRG.



NOTE: If a drug has multiple order sentences it will be indicated with a drop down arrow. Choose the most clinically appropriate dose in this scenario. Below is a screenshot of an example when

you might see this.

Add to Phase Check Alerts Comments

ONCP MY MYMPBOR - Cycle 1, Chemotherapy (Day 1, 8, 15, 22) (Future Pending) *Est. 09-Mar-2018 08:00 PST - 35 Days
 Additional review required. Review request will be sent to TestCST, Oncologist/Hematologist-Physician1 ON, MD.

Component	Day 1	Day 8	Day 15	Day 22
	Future Pending *Est. 09-Mar-2018 08:...	Future Pending *Est. 16-Mar-2018 08:...	Future Pending *Est. 23-Mar-2018 08:...	Future Pending *Est. 30-Mar-2018 08:...
	Actions	Actions	Actions	Actions
Physician to ensure prophylaxis with valACYclovir 500 mg daily while on bortezomib and for 4 weeks after discontinuation				
<input checked="" type="checkbox"/> bortezomib (bortezomib - oncology) Select an order sentence	0 min Planned	0 min Planned	0 min Planned	0 min Planned
For melphalan dosing, melphalan and predniSONE are to be given in combination for Days 1 to 4				
If substituting cyclophosphamide for melphalan, then steroid dosing has to be modified accordingly				

- Click on the **Next Cycle Lab** phase. Continue reviewing the plan by reviewing labs ordered to be collected before the next cycle.

Select any additional labs required if needed.

Add to Phase Check Alerts Comments

ONCP BR BRAJACT Cycles 1 to 4 - Cycle 1, Next Cycle Labs (Day 1) (Future Pending) *Est. 19-Mar-2018 08:00 PST - 35 Days

Component	Day 1
	Future Pending *Est. 19-Mar-2018 08:...
	Actions
<input checked="" type="checkbox"/> Differential (CBC and Differential) Blood, once, Order for future visit	Planned
Required prior to cycle 5:	
<input type="checkbox"/> Alanine Aminotransferase Blood, once, Order for future visit	
<input type="checkbox"/> Bilirubin Total Blood, once, Order for future visit	
If clinically indicated:	
<input type="checkbox"/> Creatinine Level Blood, once, Order for future visit	
<input type="checkbox"/> Alanine Aminotransferase Blood, once, Order for future visit	
<input type="checkbox"/> Bilirubin Total Blood, once, Order for future visit	

7. Click on the **Diagnostics** phase of cycle 1 and select diagnostics required before the next cycle.

8. Click on the **Scheduling** phase to review the orders to schedule the patient for treatment and follow up clinic visit.

9. Double click on the **order Infusion chemotherapy Visit** to view more details.

- The **Scheduling Priority** field is defaulted to “Routine” however you can use the drop down menu to change if there is a more urgent need to schedule the patient for treatment. **This should not be adjusted for Cycle 2 onwards**; scheduling clerks will be taught to schedule according to the protocol schedule requirements.

- To add special scheduling instructions type comments here.

- The **Alternate Scheduling Location** drop down menu can be used if the patient needs to be scheduled at an alternate location.

- The clinic Follow-Up visit will default to Day prior to start of next cycle. Use the drop down menu to change the follow-up appointment request.

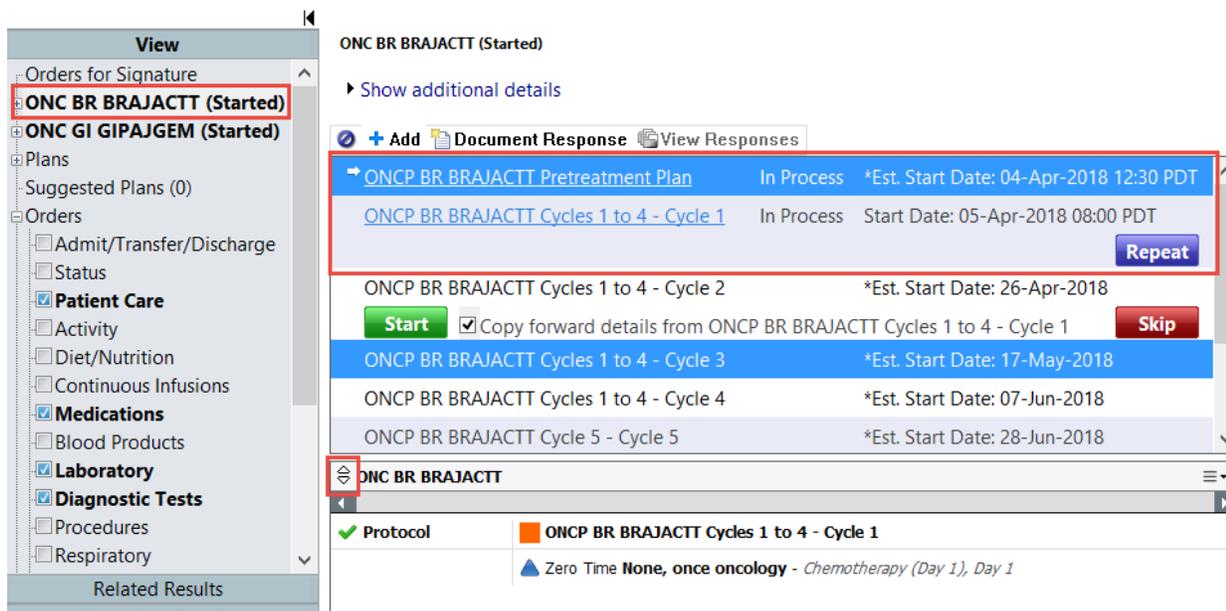
10. You have reviewed each phase within cycle one.

11. Click Orders for Signature Orders For Signature Review the orders.

12. Click **Sign** and refresh screen.

NOTE: The Dosage Calculator requires a current weight; cancel the pop-up calculator if not required.

13. Click on the Regimen Header **ONC BR BRAJACTT (Started)** to return to the Regimen view.
14. Click once on the  icon next to the plan name to expand or collapse the Regimen view.
15. You can see the Pre-treatment Plan and Cycle 1 have been ordered and are now in a **future and planned** state.



Prescription Ordering

There are three different scenarios in which you will order Oncology prescriptions:

1. **Non-Chemo Prescriptions** outside of an Oncology Plan (such as antiemetics and/or pre-meds) will be ordered from the Orders page in the Provider View.

The prescription requisition will print upon signing to provide to the patient.

2. **Prescription only plans** will be ordered as a PowerPlan, printed, and signed by the prescriber (**BR BRAVTAM**).

For some plans you will see an arrow  indicating multiple ordering options for that drug.

Component	Status	Dose ...	Details
ONCP BR BRAVTAM (PO), Prescriptions (Initiated Pending)			
Treatment Regimen			
<input checked="" type="checkbox"/> tamoxifen			20 mg, PO, qdaily, dispense qty: 90 day, refill(s): 1
Scheduling Order			
<input checked="" type="checkbox"/> Follow Up - Clinic - Oncology Treatment			20 mg, PO, qdaily, day

- Combined Oral/IV protocols-** A separate Prescriptions phase has been designed including the oral prescription which is set to auto-print at signing of the plan.

There will be a yellow provider reminder note in the Chemotherapy phase to direct them to the Prescriptions phase to review/order the oral component. (**LYCHOPR**)

The screenshot shows the 'Orders' section of a clinical system. On the left, a tree view shows the 'ONCP LY LYCHOPR Cycle 1 - Cycle 1' plan with sub-items: 'Chemotherapy (Day 1 to 2) (Future)', 'Prescriptions (Completed)', 'Next Cycle Labs (Day 1) (Future)', and 'Scheduling (Initiated)'. The 'Prescriptions (Completed)' item is highlighted with a red box. The main area displays a table of medications for 'ONCP LY LYCHOPR Cycle 1 - Cycle 1, Prescriptions (Completed)'. The medication 'prednisONE' is listed with a status of 'Prescribed' (highlighted in red) and a dose of '78.75 mg, PO, qdaily, take with food each mor... Round to the nearest 25mg. Target Dose: pred...'. The interface includes navigation buttons like 'Add', 'Document Medication by Hx', 'Reconciliation', and 'Check Interactions'.

Related Topics

- Ordering Chemotherapy, Oncology Regimens and Powerplans, Day of Treatment Actions within an Oncology Powerplan, **Oncology Prescription** written content combined with Oncology - Ordering a Chemotherapy Regimens (per Sadie)

Related Positions

- Oncology Provider, Nurse Practitioner, GPOs, GPs

- **Key Words**

- Ordering Oncology Chemotherapy Regimens and Powerplans