

Cancer Services – Prescribe treatment cycles



Digital Health
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Digital Health
Quick Reference Guide

This Quick Reference Guide will explain how to:

- Prescribe the treatment cycle for EMR treatment regimen

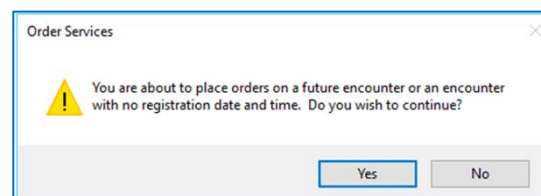
Prescribe a cycle

1. Navigate to **Orders and Referrals** under the **Table of Contents** menu within the appropriate EMR encounter.
2. Click on the regimen under listed under “View.”
3. Click **Start** for Cycle X (to commence cycle X).

The screenshot shows the EMR interface for a patient encounter. The left sidebar contains a 'Menu' with 'Orders and Referrals' highlighted. The main content area shows a list of orders, with 'ONC - FOLFOX6 (8 cycles) (Started)' selected. A 'View' dialog box is open, showing details for 'ONCP - FOLFOX6 - Cycle 1' and a green 'Start' button. The interface also displays patient information, clinical unit details, and a reconciliation status bar.

You may encounter the following alert message when ordering the cycle in a PreAdmit or PreReg encounter:

“Order Services. You are about to place orders on a future encounter or an encounter with no registration date and time. Do you wish to continue?”



4. **Select 'Yes' to proceed.**

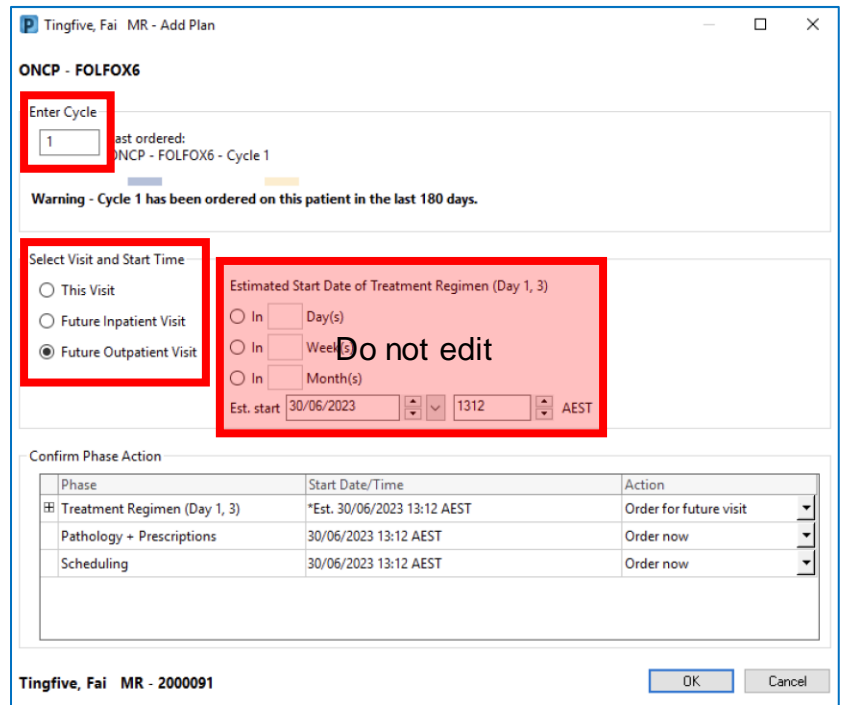


The “Add Plan” window opens:

1. Review the **Cycle number**.
2. Review the **Visit Type**.

Visit type	Phase Action			When to use
	Treatment Regimen	Pathology + Prescriptions	Scheduling	
This Visit	Order for future visit	Order now	Do not order	<ul style="list-style-type: none"> • Patients receiving treatment in the same encounter.
Future Inpatient Visit	Order for future visit	Order now	Do not order	<ul style="list-style-type: none"> • Patients receiving planned treatment outside of CDU (e.g. Sunshine Hospital ward 2E). • Does not require CDU scheduling.
Future Outpatient Visit	Order for future visit	Order now	Order now	<ul style="list-style-type: none"> • Patients receiving treatment in CDU. • Requires CDU scheduling

3. Do not edit Estimated Start Date of Treatment Regimen fields.
4. Click **OK**.
5. Cycle [no.] PowerPlan opens to the “Treatment Regimen” phase.





Order a cycle (continued)

“Treatment Regimen” phase

The screenshot shows a clinical system interface for a patient named Tingfai, Fai MR. The patient's details include Sex: Male, DOB: 31/12/1940, Age: 82 Years, Weight: 80kg, and Date: 20/06/2023 15:06. The clinical unit is Oncology, and the patient is currently inpatient. The interface displays a treatment regimen for ONCP - FOLFOX6 - Cycle 1, Treatment Regimen (Day 1, 3) (Future Pending) *Est. 30/06/2023 14:10 - 14 Days. The regimen includes Pre-Treatment Assessments, Pre-Medications, and the Treatment Regimen itself. The Pre-Treatment Assessments table shows various blood tests with their respective parameters and planned dates. The Pre-Medications table lists netupitant-palonosetron, dexamethasone, and calcium folinate. The Treatment Regimen table lists oxaliplatin IV infusion, fluorouracil IV infusion, and another fluorouracil IV infusion. The interface also shows a 'Related Results (3)' panel on the left, which includes Height/Length Measured and Weight Measured. A red box highlights the 'Refer to eviQ treatment protocol' link in the top right corner of the regimen details.

1. Click on the **Evidence** link icon  to review the protocol on eviQ.

2. Under **Pre-Treatment Assessments**, review recent results.

The “- (number) day” indicates how many days the system looks back in time for results:

- If a matching result is found on EMR, and within the parameter listed, a green tick appears
- If a matching result is found on EMR, and outside the parameter listed, a red cross appears
- If no matching result is found on EMR, no indicator will appear


3. Under **Related Results** on the left-hand side panel, review relevant results, including the **ONC/HAEM Dosing Weight**.

4. Review the anti-cancer therapy orders under the following headings:



a. Pre-Medications

b. Treatment Regimen

- i. For orders that require dosage calculations, the orders will have a dose calculator icon  adjacent to them.
- ii. **Double-click** on the orders to open the dosage calculator.
 1. Review the default target dose
 2. Check if any dose modifications are required.
 3. Review the default Rounding rule.
 4. Review Height. If blank, manually enter a value
 5. Review Actual weight
 6. Manually set the weight to **match the “ONC/HAEM Dosing Weight”**
 7. Review the serum creatinine level. **Manually enter the value if necessary**
 8. Manually set the CrCl algorithm to **“Cockroit-Gault (Actual Weight)”**
 9. Click **Apply Dose**

5. Repeat the same Dose Calculation process for other medications as required.

6. For orders that do not require dose calculations, you can right-click on each of these drugs, click **Modify** to make adjustments if required.



Dosage Calculator

oxaliplatin (chemo additive)

Dose Values

1) Target dose: 85 mg/m²

2) Calculated dose: 170 mg

3) Dose Adjustment: 170 mg 100 %

4) Final dose: 170 mg 85 mg/m²

5) Standard dose: mg mg/m²

6) Rounding rule: Nearest 5

7) Adjust Reason:

8) Route: IV Infusion

Height: 180 cm Source: 30/06/2023 12:29 180.00 cm Height/Length Measured

Actual weight: 80 kg Source: Adjusted weight: 80 kg

Adjustment: Algorithm:

Serum creatinine: 70 umol/L Source: Manually entered

CrCl (estimated): Algorithm: Cockcroft-Gault (Actual Weight)

Weight Used for CrCl: Actual weight 80 kg

Body surface area: 2 m² Algorithm: Dubois

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

Adjust to match the
ONC/HAEM Dosing Weight

Set CrCl algorithm to
Cockcroft-Gault (Actual Weight)



Important – Opening the Dosage Calculator

Single-click on the Dose Calculator will also open the dosage calculator. However, single-clicking on medications such as Rituximab will lead to loss of the default settings. These apply to medications that have the rates in mg/hr. Therefore, it is not recommended to single click on the icon for consistency of the workflow.

If a user single-clicked on one of these medication’s calculator icon, following the steps below to retrieve the default values:

1. Click Cancel to exit the dosage calculator window
2. Right click on the rituximab order
3. Click Reset



Handy Tip - Supportive Care Medications for Inpatient administration

While completing the Dosage Calculator window, you are not able to navigate outside of the window to review the documented ONC/HAEM Dosing Weight.

To address this limitation, the regimens have been built so that ONC/HAEM Dosing Weight, along with several pertinent labs, are shown to the left of the window. Take advantage of this feature.

The screenshot displays the 'Dosage Calculator' interface for 'CARBOplatin (chemo additive)'. The window is titled 'Resus Status: Weight: 80kg est. 09/01/2023 13:53' and 'Inpatient (28/11/2022 11:15:00 to -No - Discharge date)'. The main area is divided into 'Dose Values' and 'Reference Data' sections. The 'Dose Values' section includes fields for Target dose (5 mg), Calculated dose, Dose Adjustment (100%), Final dose, Standard dose, Rounding rule (Nearest ten), Adjust Reason, and Route (IV Infusion). The 'Reference Data' section includes Date of birth (15/12/1992), Sex (Male), Height (180 cm), Actual weight (83 kg), Serum creatinine, CrCl (est.), and Body surface area (2.03 m²). A 'Related Res' panel on the left lists patient data: Height/Length Measured (180 cm), Weight Measured (83 kg), and ONC/HAEM Dosing Weight (85 kg). A blue box highlights the 'Actual weight' field (83 kg) in the 'Reference Data' section, with an arrow pointing to the 'ONC/HAEM Dosing Weight' section in the 'Related Res' panel. The 'Order Comments' field contains 'CYTOTOXIC: Special handling and disposal required'. The bottom of the window shows buttons for 'Formulas', 'Standard Dose Reference', 'Apply Standard Dose', 'Apply Dose', and 'Cancel'. A status bar at the bottom indicates 'CDU Inpatient Visit - 180 Minutes'.



Handy Tip – Entering PBS Approval number

If the order requires a PBS Approval number, this is best entered at the time of ordering/dose calculation.

Details for **pembrolizumab (additive) + Sodium Chloride 0.9% infusion 50 mL**

Remaining Administrations: 1 Stop: 05/04/2023 17:00:00 AEST

Strength dose: See Ingredients Tab
 Strength dose unit: See Ingredients Tab
 *Route of administration: IV Infusion
 *Frequency: chemo-Day of Tx
 PRN reason:
 Duration:
 Indication:
 Approval Number:

200
 PPN: Yes No
 Max dose per 24 hours:
 Duration unit:
 Special Instructions:
 Priority: Routine

Start Date/Time: 05/04/2023 17:00 AEST
 Stop Date/Time: 05/04/2023 17:00 AEST

Missing Required Details: Dx Table Orders For Co-signature Sign

If the Approval Number is missing when attempting to sign of the orders, an alert window will appear:

Discern: (1 of 1)

Cerner **PBS APPROVAL NUMBER REQUIRED**

The order for pembrolizumab (additive) requires a PBS Approval Number.

For items with a PBS STREAMLINED authority, enter the PBS authority code in the Approval Number field.

For items requiring a PBS AUTHORITY, enter 'Authority' in the Approval Number field and ensure that there is a valid PBS Authority prescription.

If the order does not meet PBS or WH Drug Formulary requirements, complete an Individual Patient Usage (IPI) Application and contact Pharmacy.

If treatment is being administered on an inpatient ward, enter NON-PBS in the Approval Number field.

Alert Action:
 Cancel ordering pembrolizumab (additive)
 Enter Approval No. for pembrolizumab (additive)

PBS site OK

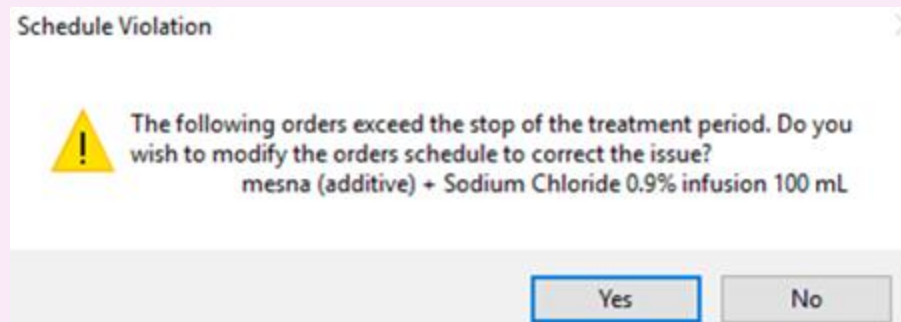
1. Select "Enter Approval No. for XXXX"
2. Click OK
3. This will take you back to the order details page (see above) to enter the Approval Number.



Important – Scheduling Violation

The “Schedule Violation” alert will appear upon ordering and activation as the treatment exceeds 24 hours (each Day of Treatment can only be set up to 24 hours), e.g. ONC GU (Testicular Germ Cell) Recurrent – TIP (PACLitaxel, iFOSFamide + ciSplatIn)

Always select ‘No’ to proceed.



“Pathology + Prescriptions” phase

The screenshot shows the EHR interface for a patient named Tingfiv, Fai MR. The patient's clinical unit is Oncology, and they are an inpatient. The interface displays a list of orders under the 'View' section. A red box highlights the 'Pathology + Prescriptions (Initiated Pending)' phase. The orders list includes 'Pathology Orders for Next Cycle' and 'Prescriptions'.

1. Click **View**
2. Click on “**Pathology + Prescriptions**” phase, located under View
3. Review orders under “**Pathology Orders For Next Cycle**”
 - Note some pathology orders have been pre-selected by default. All the order details have also been pre-completed
 - You can tick additional pathology orders in this window if required
4. Review orders under “**Prescriptions**”
 - You can tick the prescriptions that are deemed required for the patient



Important – Supportive Care Medications for Inpatient administration

For patients receiving treatment as an INPATIENT, the Supportive Care medications are not included in the regimen. Please order these medications SEPARATELY.

“Scheduling” phase

- You do not need to interact with this phase during routine ordering of the treatment cycle.
- The orders within the Scheduling phase communicate with the CDU staff for scheduling purposes.
- A limited number of scenarios requiring the ordering clinician to de-select the scheduling order(s) will be covered in a separate QRG on Treatment Modifications.



Review orders

1. Click **Orders For Signature**
2. Complete the Clinical History window that is mandatory for the pathology orders
3. Review all the orders again
4. Click **Sign**

Order Name	Status	Start	Details
ONCP - FOLFOX6 - Cy... Future Pe...			placing 10 order(s)
ONCP - FOLFOX6 - Cy... Initiated ...			placing 5 order(s)
ONCP - FOLFOX6 - Cy... Planned P...			placing 0 order(s)
zzS1ECDU;zzRm 01;zzWaiting Room Fin#IPE75373819 Admit: 30/11/2022 10:11			
Pathology			
Urea, Electrolytes and Creatinine (UEC)	Order	30/06/2023 15:34	Collect Now, 30/06/2023 15:34 AEST, Spec Type: Blood, URGENT - Pre-Chemotherapy Bloods, Clin Call Back: 59154
Full Blood Examination (FBE)	Order	30/06/2023 15:34	Collect Now, 30/06/2023 15:34 AEST, Spec Type: Blood, URGENT - Pre-Chemotherapy Bloods, Clin Call Back: 59154
Liver Function Tests (LFTs)	Order	30/06/2023 15:34	Collect Now, 30/06/2023 15:34 AEST, Spec Type: Blood, URGENT - Pre-Chemotherapy Bloods, Clin Call Back: 59154
Calcium, Magnesium & Phosphate (CMP) L...	Order	30/06/2023 15:34	Collect Now, 30/06/2023 15:34 AEST, Spec Type: Blood, URGENT - Pre-Chemotherapy Bloods, Clin Call Back: 59154
Glucose Level Blood Random (RBG)	Order	30/06/2023 15:34	Collect Now, 30/06/2023 15:34 AEST, Spec Type: Blood, URGENT - Pre-Chemotherapy Bloods, Clin Call Back: 59154
Future			
Medications			
oxaliplatin (chemo additive) + Glucose 5...	Order	30/06/2023 16:05	170 mg, IV Infusion, chemo-Day of Tx, Infuse over 2 hr(s), First dose 30/06/2023 16:05 AEST, Stop date 30/06/2023 16:05 AEST, Day 1 CYTOTOXIC: Special handling and disposal required. Target Dose: oxaliplatin (chemo additive) 85 mg/m ² (Actual Dose: 85 mg/m ²) 30/06/2023 15:34...
dexamethasone	Order	30/06/2023 15:35	8 mg, Oral, Tablet, chemo-Day of Tx, First dose 30/06/2023 15:35 AEST, Stop date 30/06/2023 15:35 AEST, Day 1
netupitant-palonosetro n (netupitant-palono...	Order	30/06/2023 15:35	1 cap(s), Oral, Capsule, chemo-Day of Tx, First dose 30/06/2023 15:35 AEST, Stop date 30/06/2023 15:35 AEST, Order for future visit, Day 1
fluorouracil (chemo additive) + Sodium C...	Order	30/06/2023 18:10	800 mg, IV Infusion, chemo-Day of Tx, Infuse over 10 min(s), First dose 30/06/2023 18:10 AEST, Stop date 30/06/2023 18:10 AEST, Day 1 CYTOTOXIC: Special handling and disposal required. Target Dose: fluorouracil (chemo additive) 400 mg/m ² (Actual Dose: 400 mg/m ²) 30/06/2023 1...
calcium folinate (calcium folinate 50 ...	Order	30/06/2023 18:05	50 mg, IV Injection, Ampoule, chemo-Day of Tx, First dose 30/06/2023 18:05 AEST, Stop date 30/06/2023 18:05 AEST, Day 1 Administer over 1 to 2 minutes.
fluorouracil (infusor chemo additive) + So...	Order	30/06/2023 18:20	4,800 mg, IV Infusion, chemo-Day of Tx, Infuse over 46 hr(s), First dose 30/06/2023 18:20 AEST, Stop date 30/06/2023 18:20 AEST, Day 1 CYTOTOXIC: Special handling and disposal required. Target Dose: fluorouracil (infusor chemo additive) 2400 mg/m ² (Actual Dose: 2400 mg/m ²) 30/...
Glucose 5% intravenous infusion s...	Order	30/06/2023 18:04	100 mL, IV Injection, every 5 minutes, PRN, for other: see indication, Indication: Flush line before and after administration of oxaliplatin as per eviQ guidelines., First dose 30/06/2023 18:04 AEST, Stop date 01/07/2023 03:34 AEST, Order for future visit, Day 1
Sodium Chloride 0.9% intravenous solution (...	Order	30/06/2023 16:04	50 - 100 mL, IV Injection, Bag, every 5 minutes, PRN, for other: see indication, Indication: Flush line between and after each medication administration as per eviQ guidelines., First dose 30/06/2023 16:04 AEST, Stop date 03/07/2023 02:10 AEST, Order for future visit, Day 1, 3
fluorouracil pump disconnect	Order	02/07/2023 15:00	1 pump disconnect, ONCE only, First dose 02/07/2023 15:00 AEST, Stop date 02/07/2023 15:00 AEST, Day 3 Disconnect infusion once complete.
Zero Hour	Order	30/06/2023 16:05	N/A

0 Missing Required Details: Dx Table Orders For Cosignature Sign

M2031 P2MO1 30 Jun, 2023 15:35 AEST

Refresh and Review

1. Click Refresh
2. Click the top level chemotherapy regimen. This window shows that Cycle [no.] is “In Process”
3. Click on the sublevel chemotherapy cycle. This window shows all the assessments, and orders placed in the cycle

ONC - FOLFOX6 (8 cycles) (Started)

▶ Show additional details

📄 Document Response 📄 View Responses

Treatment for metastatic colorectal cancer is 8 cycles. Then, prescribe ONC CRC - de Gramont until disease progression or unacceptable toxicity.

Treatment for adjuvant colorectal cancer is 8 cycles.

Treatment for metastatic gastric and gastroesophageal cancer and advanced biliary and gallbladder cancer is continuous until disease progression or toxicity (usually 12 cycles).

Order	Status	Start Date	Repeat
ONC/HAEM Referral to Chemotherapy Day Unit (CDU)	Done	30/06/2023 12:28	
ONCP - FOLFOX6 - Cycle 1	In Process	*Est. Start Date: 30/06/2023 15:34	Repeat
ONCP - FOLFOX6 - Cycle 2	Start	*Est. Start Date: 14/07/2023	Skip
ONCP - FOLFOX6 - Cycle 3		*Est. Start Date: 28/07/2023	
ONCP - FOLFOX6 - Cycle 4		*Est. Start Date: 11/08/2023	
ONCP - FOLFOX6 - Cycle 5		*Est. Start Date: 25/08/2023	
ONCP - FOLFOX6 - Cycle 6		*Est. Start Date: 08/09/2023	
ONCP - FOLFOX6 - Cycle 7		*Est. Start Date: 22/09/2023	
ONCP - FOLFOX6 - Cycle 8		*Est. Start Date: 06/10/2023	Extend