



Pharmacy Information System (PhIS) and Clinic Pharmacy System (CPS)

Full Based

User Manual

**Order Management - Cytotoxic Drug Reconstitution
(CDR)**

Version	: 7th Edition
Document ID	: FB_U. MANUAL_OM CDR



PhIS & CPS Project
User Manual – Order Management Cytotoxic Drug Reconstitution
(CDR)



© 2011-2018 Pharmacy Information System & Clinic Pharmacy System (PhIS & CPS) Project

CONFIDENTIAL COPYRIGHTED MATERIAL – The information includes all concepts, comments, recommendations, and material, contained herein shall remain the property of Pharmacy Information System & Clinic Pharmacy System (PhIS& CPS) Project. No portion of this document shall be disclosed, duplicated or used in whole or in part of any purpose other than the purpose of the Pharmacy Information System & Clinic Pharmacy System (PhIS& CPS) Project execution only

Reference ID : FB_U. MANUAL_OM CDR-7th Edition

Application reference: PhIS & CPS v1.7.1



Table of Contents

1.0	Introduction	1
1.1	Overview of PhIS.....	1
1.2	Purpose and Objectives	1
1.3	Organised Sections.....	1
2.0	Application Standard Features	2
2.1	PhIS Legend.....	2
2.2	Latest Enhancement and Updates	4
3.0	Cytotoxic Drug Reconstitution (CDR)	1
	Overview	1
	User Group.....	1
	Functional Diagram.....	1
	Functional Description	2
3.1	Cytotoxic Drug Reconstitution Order.....	3
3.2	Manage Prescription.....	18
3.2.1	Modify Order	18
3.2.2	Hold/Resume Order	21
3.2.3	Cancel/Stop Order.....	24
3.3	Order Endorsement.....	26
3.4	Authorisation.....	29
4.0	Acronyms.....	32
5.0	Links to Clinical Modules.....	32



1.0 Introduction

1.1 Overview of PhIS

Pharmacy Information System or better known as PhIS, is a complete and comprehensive system that integrates pharmacy related services geared towards pharmacy excellence. PhIS implementation would transform most of current manual process to electronic system to benefit facility end user in the health care sector.

There are 12 modules to assist services delivery by the health care sector which comprises of:

1. Order Management
2. Inpatient Pharmacy / Outpatient Pharmacy
3. Medication Counselling
4. Ward Pharmacy
5. Pharmacy Inventory
6. Manufacturing of Cytotoxic Drug Reconstitution, Parenteral Nutrition, IV Admixture & Eye Drop,
Radiopharmaceuticals and Extemporaneous
7. Adverse Drug Reaction & Drug Allergic (ADR & DAC)
8. Clinical Pharmacokinetics Services (TDM)
9. Drug Information & Consumer Education (DICE)
10. Medication Therapy Adherence Clinic (MTAC)
11. Data Mining (PhARM)

1.2 Purpose and Objectives

This user manual outlines the Cytotoxic Drug Reconstitution sub-module and its key features and functionalities. The primary objective is to guide user through the process of completing PhIS application process.

User will understand the following activities in details:

- Cytotoxic Drug Reconstitution Order
- Manage Prescription
- Order Endorsement
- Order Authorisation

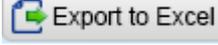
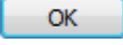
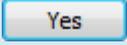
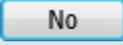
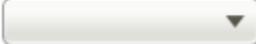
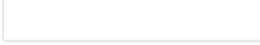
1.3 Organised Sections

These are the sections within this document:

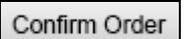
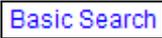
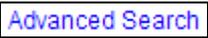
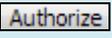
- Section 1 : Introduction
- Section 2 : Application Standard Features
- Section 3 : Cytotoxic Drug Reconstitution
- Section 4 : Acronyms
- Section 5 : Links to Clinical Modules

2.0 Application Standard Features

2.1 PhIS Legend

Standard Legend			
	Login to PhIS		Logout from PhIS
	Close All Open Tabs		Refresh Screen
	Expand Menu		Collapse Menu
	Expand Module		Collapse Module
	Add/Create New Record		Save
	Close Window		Calendar Icon
	Save Transaction		Delete Record
	Export Report From PDF file to Excel file		OK Button
	Yes Button		No Button
	Radio Button	<input type="checkbox"/>	Checkbox
	System Automatic Generate Record No.		Automatically Display/Retrieve Box
	Reset Login Screen		Show Help
	Display Home Tab		Search Record
	Cancel		Dropdown Box
	Search Icon	*	Mandatory Field
	Edit Record		Empty Text Box
	Cancel Button		



Module Legend			
	Update Patient's Height and Weight		Display Regimen Details
	Update Sampling Details		Confirm Order
	AUC Calculator		Save Record
	Basic Search		Advanced Search
	Display CDR Order Screen		Authorize Order
	Endorse Order		

Note

To learn more about Login Information, kindly click [Login Information](#) module for descriptive steps.



2.2 Latest Enhancement and Updates

<u>LATEST FUNCTIONS</u>	<u>PAGE</u>
Calculate dose using function	8
Search Regimen	9
AUC Calculator	16

3.0 Cytotoxic Drug Reconstitution (CDR)

Overview

The Order Management – Cytotoxic Drug Reconstitution (CDR) module handles all the information to specify the items as per local drug formulary, MOH and non-MOH including registered and non-registered drugs. This function is to enable data mining. All medication orders must be prescribed by authorized personnel only and be in compliance with guidelines on prescribing in the drug formulary (drug category, discipline / specialty) as defined by MOH.

User Group

This module is intended for Specialist, Doctor, Medical Officer and Medical Assistant.

Functional Diagram

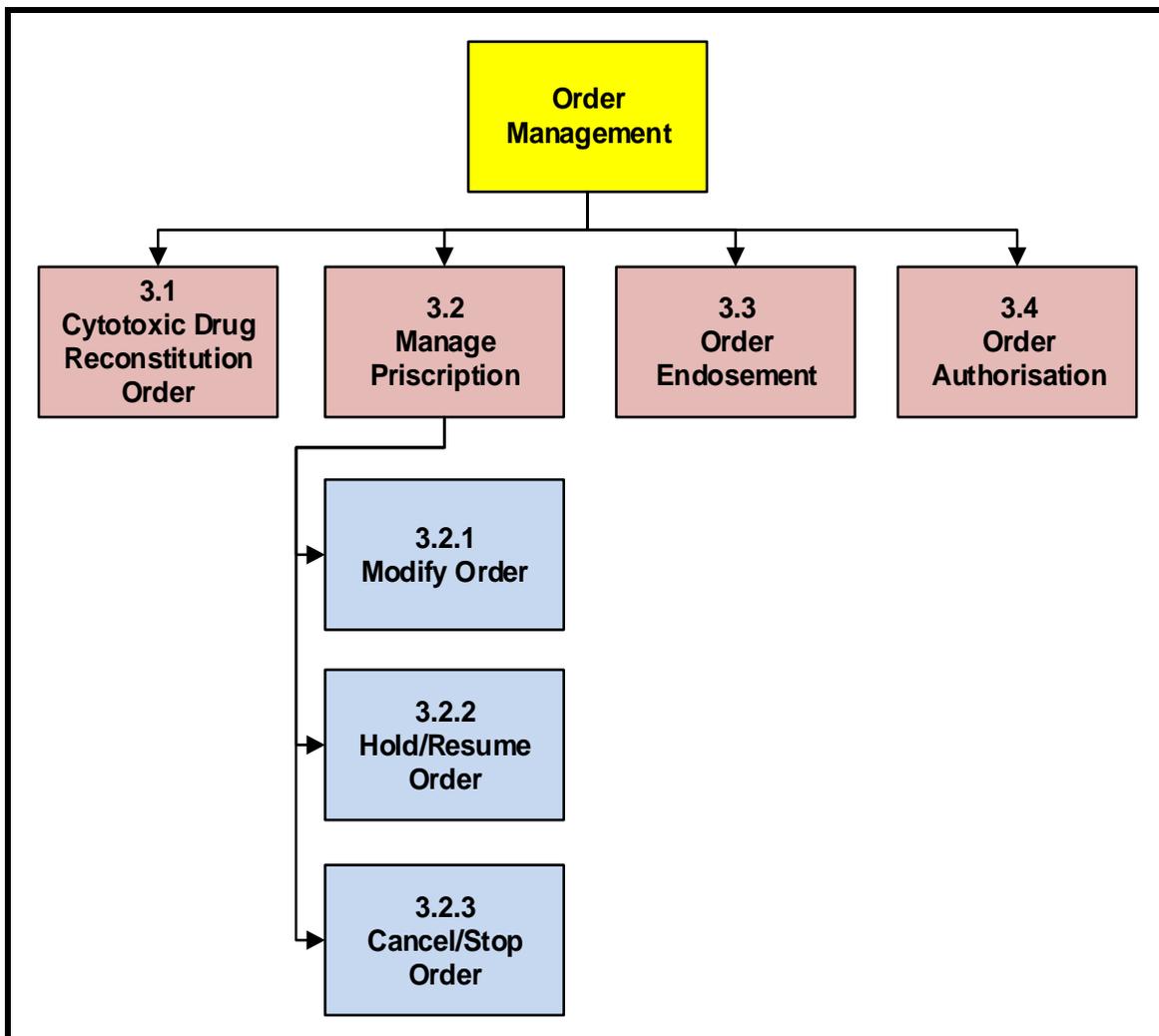


Figure 3.0



Functional Description

Cytotoxic Drug Reconstitution (CDR) comprises of four (4) main functions:

- **Cytotoxic Drug Reconstitution (CDR) Order**
CDR Order is used to prescribe Chemotherapy Drug.
- **Manage Prescription**
This function to monitor patient's prescription including modify order, hold/resume order- and cancel/stop order.
- **Order Endorsement**
Order endorsement is used to notify the prescriber of prescription changes made by the pharmacist.
The prescriber may endorse the intervention made by the pharmacist.
- **Order Authorisation**
This function is used to approve list A/ A*/ A/KK drugs that require authorization

3.1 Cytotoxic Drug Reconstitution Order

CDR Order allows Prescriber to place a cytotoxic order. Order will be sent to Pharmacist for the process of verification, preparation and dispensing.

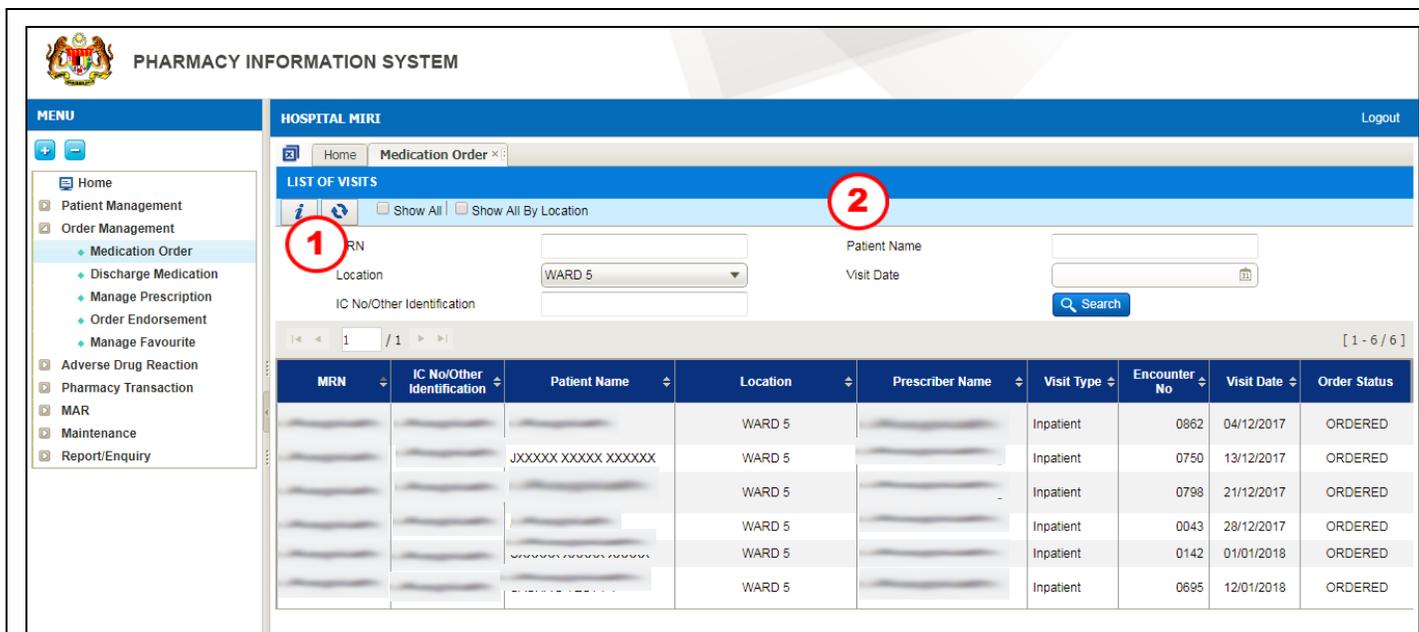


Figure 3.1-1 Medication Order Listing Page

STEP 1

Click on the 'Order Management' menu followed by 'Medication Order' sub menu

STEP 2

Search patients record based on the fields below:

No	Field	Description	Remark
a	MRN	Patient Medical Record Number	Search option: • Type the MRN either in full or partially: <i>Example : HPSF00001234 or "1234"</i>
b	Patient Name	Patient Name	Allow to search by fully or partially entered patient name
c	Location	Patient Visit Location	Able to filter and search patient by visit location and prescriber's location
d	Visit Date	Visit Date	Able to filter and search by visit date
e	IC No/Other Identification	Patient Identification No	Allow to search by fully or partially entered patient ID no

Table 3.1-1

Note

Prescriber have the options to view patient by clicking on the checkbox:

- Show All - click on the checkbox to view all patients based on prescriber login.
- Show All By Location - click on the checkbox to view patients by location assigned based on prescriber login


PHARMACY INFORMATION SYSTEM
Logout

MENU

- Home
- Patient Management
- Order Management
 - Medication Order
 - Discharge Medication
 - Manage Prescription
 - Order Endorsement
 - Manage Favourite
- Adverse Drug Reaction
- Pharmacy Transaction
- MAR
- Maintenance
- Report/Enquiry

HOSPITAL MIRI

Home Medication Order

LIST OF VISITS

Show All Show All By Location

MRN Patient Name

Location Visit Date 3 Search

IC No/Other Identification

[1 - 6 / 6]

MRN	IC No/Other Identification	Patient Name 4	Location	Prescriber Name	Visit Type	Encounter No	Visit Date	Order Status
HMIRI00166890	NO IC	SXXXX XX XXXX	WARD 5	Dr Susanna Michelle Edward	Inpatient	0862	04/12/2017	ORDERED
HMIRI00234347	740627130496	JXXXXX XXXXX XXXXXX	WARD 5	Dr. Nazihah Binti Matrang	Inpatient	0750	13/12/2017	ORDERED
HMIRI00108647	630512130936	IXXXX XXXXX XXXX XXXXX	WARD 5	Dr. Nazihah Binti Matrang	Inpatient	0798	21/12/2017	ORDERED
HMIRI00246666	450825130988	CXXXX XXXX XXX	WARD 5	Dr. Chee Kar Sim	Inpatient	0043	28/12/2017	ORDERED
HMIRI00143083	670205130760	SXXXXX XXXXX XXXXX	WARD 5	Dr Khoo Hui Ping	Inpatient	0142	01/01/2018	ORDERED
			WARD 5		Inpatient	0695	12/01/2018	ORDERED

Figure 3.1-2 Medication Order Listing Page

STEP 3

Click on the Search button to search for patient

Note

- Search results of patient record list will display:
- MRN
- IC No/Other Identification
- Patient Name
- Location
- Prescriber Name
- Visit Type
- Encounter No
- Visit Date
- Order Status

- Order Status = 'Ordered', confirmed prescription.
- Order Status = 'Draft', prescription is saved but have not been confirmed.

STEP 4

Double click on the selected patient record and Medication Order screen will display as shown in Figure 3.1-3

Note

Patient Diagnosis is mandatory for each patient visit and Patient Allergies is mandatory for a newly registered patient.

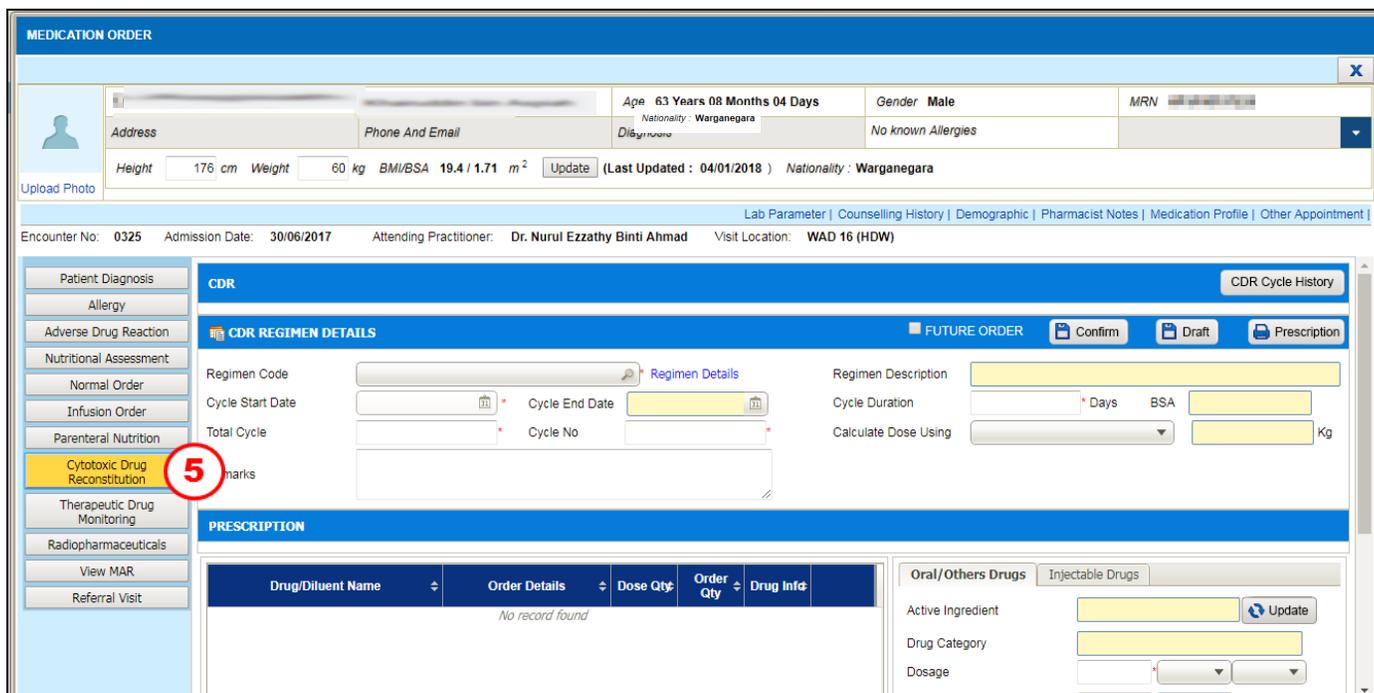
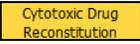


Figure 3.1-3 Medication Order

STEP 5

Click on the  button to display CDR Order screen

Note

CDR Order screen consist of:

- **Patient's Banner**



Figure 3.1-4 Patient's Banner

- Patient's banner will be displayed at the specific screen with required patient information. User can update patient's height and weight. Below is the list of patient information:
- Patient Name
- Patient IC Number
- Patient Diagnosis
- Patient Age
- Patient Allergy
- Patient Gender
- Patient MRN
- Patient Address
- Patient Phone and Email
- Height and Weight

- **Visit Record**



Figure 3.1-5 Visit Record

- *Visit Record will display **Breast Feeding** and **Pregnant** checkboxes only if the patient is a female.*

- **CDR Regimen Details**

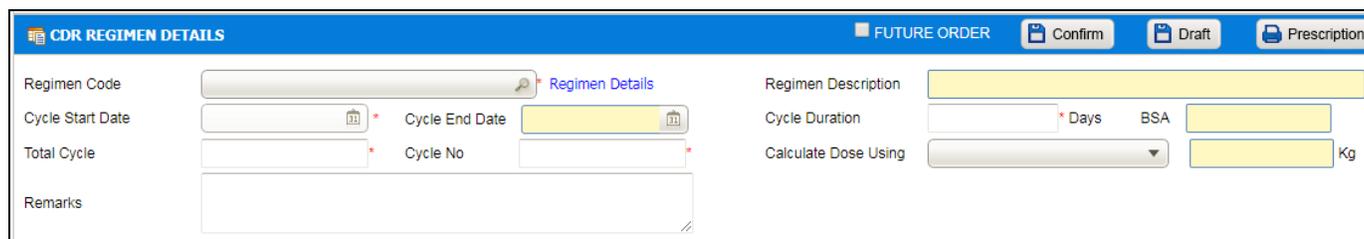


Figure 3.1-6 CDR Regimen Details

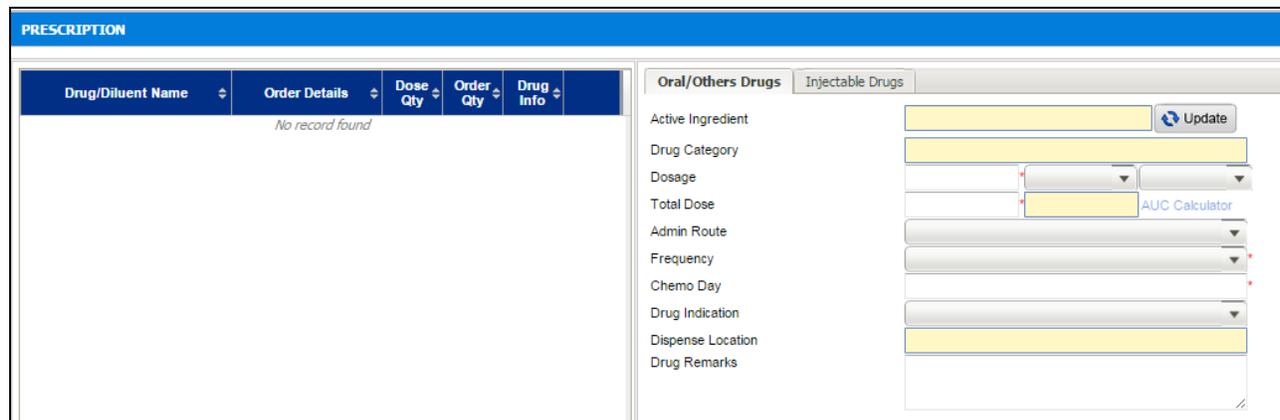
- *CDR Regimen Details consists of:*

- *Regimen Code*
- *Regimen Details Hyperlink*
- *Regimen Description*
- *Cycle Start Date*
- *Cycle End date*
- *Cycle Duration*
- *BSA*
- *Total Cycle*
- *Cycle No*
- *Calculate Dose Using*
- *Remarks*

- **Prescriptions**

Prescriptions consists of:

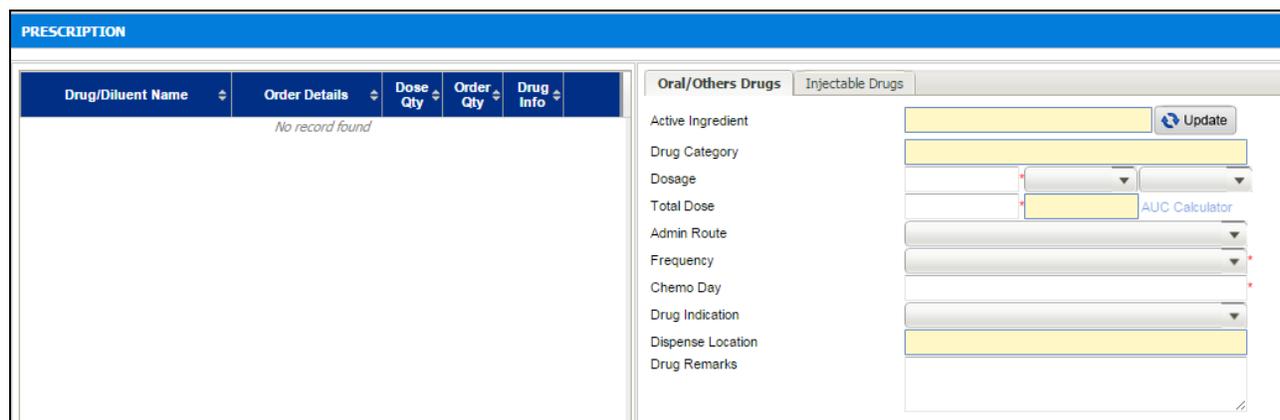
- *Oral/Others Drugs*
- *Injectable Drugs*
- *Drug/Diluent Name*
- *Other Details*
- *Dose Qty (Quantity)*
- *Order Qty (Quantity)*
- *Drug Info*



The screenshot shows a web application interface titled "PRESCRIPTION". On the left, there is a table with columns: "Drug/Diluent Name", "Order Details", "Dose Qty", "Order Qty", and "Drug Info". The table is empty and contains the text "No record found". On the right, there are two tabs: "Oral/Other Drugs" (selected) and "Injectable Drugs". Below the tabs is a form with the following fields: "Active Ingredient" (text input), "Drug Category" (text input), "Dosage" (text input with a dropdown arrow), "Total Dose" (text input with a dropdown arrow and an "AUC Calculator" button), "Admin Route" (dropdown menu), "Frequency" (dropdown menu), "Chemo Day" (text input), "Drug Indication" (dropdown menu), "Dispense Location" (text input), and "Drug Remarks" (text area). An "Update" button is located next to the "Active Ingredient" field.

Figure 3.1-7 Prescriptions

- **Regimen Drug Details**



This screenshot is identical to Figure 3.1-7, showing the "PRESCRIPTION" interface with the "Oral/Other Drugs" tab selected. The table on the left is empty with "No record found". The form on the right contains the same fields as described in Figure 3.1-7: "Active Ingredient", "Drug Category", "Dosage", "Total Dose", "Admin Route", "Frequency", "Chemo Day", "Drug Indication", "Dispense Location", and "Drug Remarks".

Figure 3.1-8 Regimen Drug Details : Oral/Other Drugs

- *Regimen Drug Details consists of two(2) tabs:*

- *Oral/Other Drugs:*
 - *Active Ingredient*
 - *Drug Category*
 - *Dosage*
 - *Total Dose*
 - *AUC Calculator*
 - *Admin Route*
 - *Frequency*
 - *Chemo Day*
 - *Drug Indication*
 - *Dispense Location*
 - *Drug Remarks*

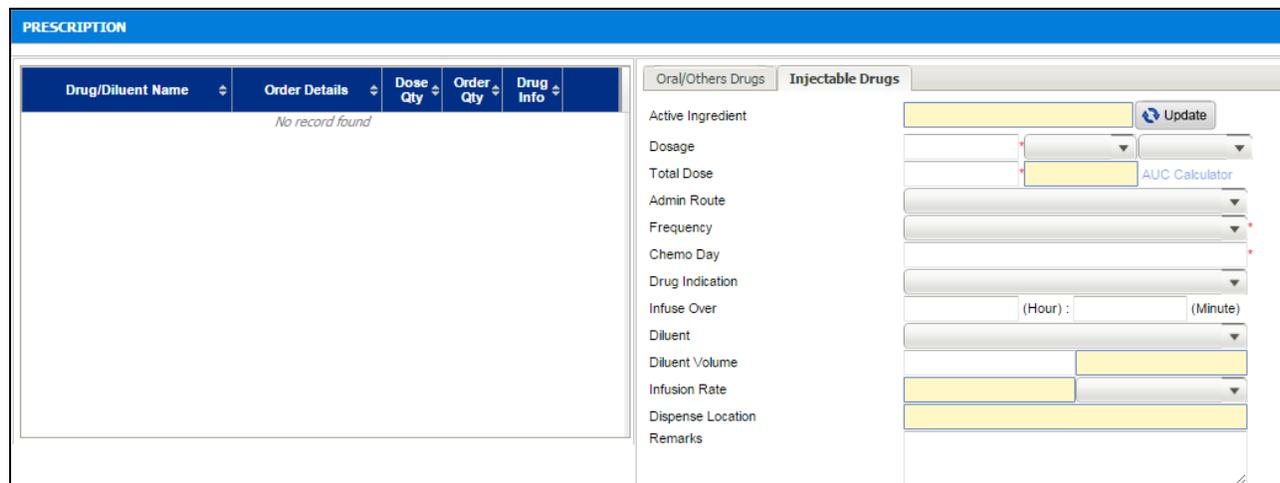


Figure 3.1-9 Regimen Drug Details: Injectable Drugs

- *Injectable Drugs:*
- *Active Ingredient*
- *Dosage*
- *Total Dose*
- *AUC Calculator*
- *Admin Route*
- *Frequency*
- *Chemo Day*
- *Drug Indication*
- *Infuse Over*
- *Diluent*
- *Diluent Volume*
- *Infusion Rate*
- *Dispense Location*
- *Drug Remarks*

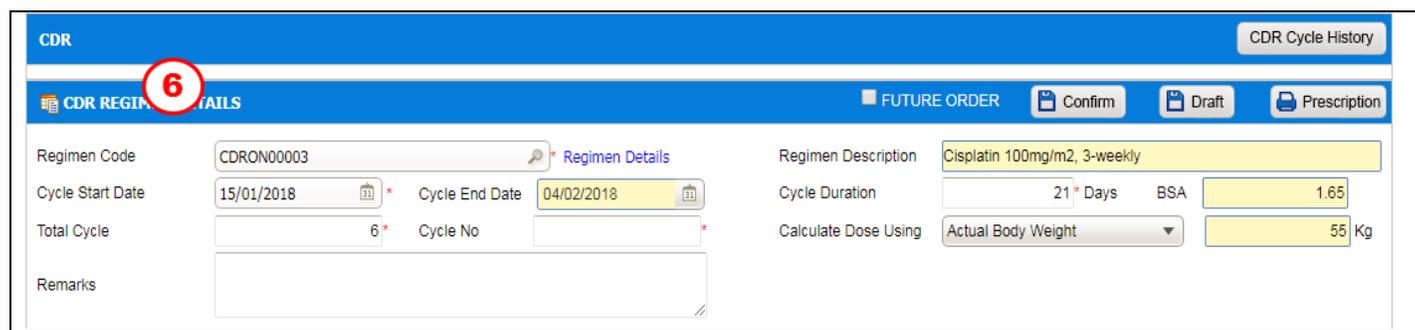
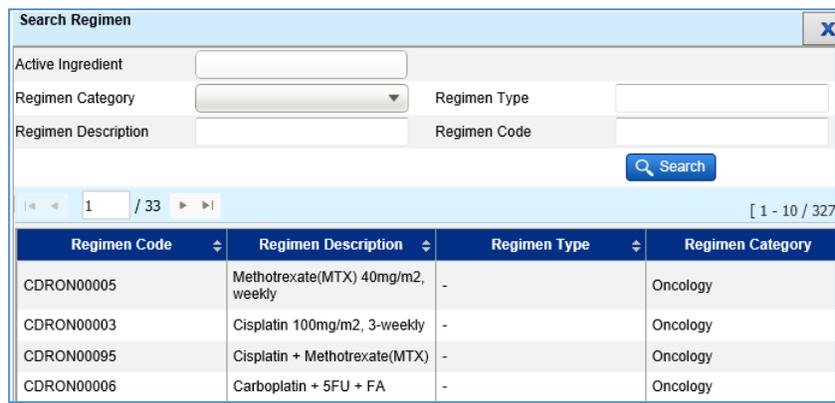


Figure 3.1-10 CDR Regimen Details

STEP 6

Search and select **Regimen Code** from dropdown box to display CDR regimen details (refer to Figure 3.1-11:Search Regimen screen) based on:

- Active Ingredient
- Regimen Category
- Regimen Type
- Regimen Code
- Regimen Description

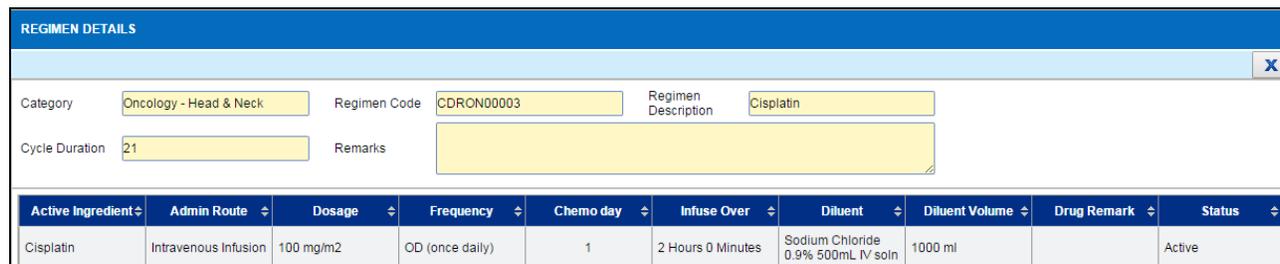


Regimen Code	Regimen Description	Regimen Type	Regimen Category
CDRON00005	Methotrexate(MTX) 40mg/m2, weekly	-	Oncology
CDRON00003	Cisplatin 100mg/m2, 3-weekly	-	Oncology
CDRON00095	Cisplatin + Methotrexate(MTX)	-	Oncology
CDRON00006	Carboplatin + 5FU + FA	-	Oncology

Figure 3.1-11 CDR Search Regimen

Note

- **Total Cycle** is defaulted to the Cycle History and it is editable.
- **Cycle No** field need to be entered by user.
- **Cycle Duration** is defaulted to the value setup in CDR Regimen Category and it is editable.
- **Cycle Start Date** is defaulted to the current system date and it is editable.
- **Cycle End Date** will be automatically displayed based on the **Cycle Start Date** and **Cycle Duration**.
- Click on the **Regimen Details** hyperlink to view the Regimen Details as shown in Figure 3.1-12.

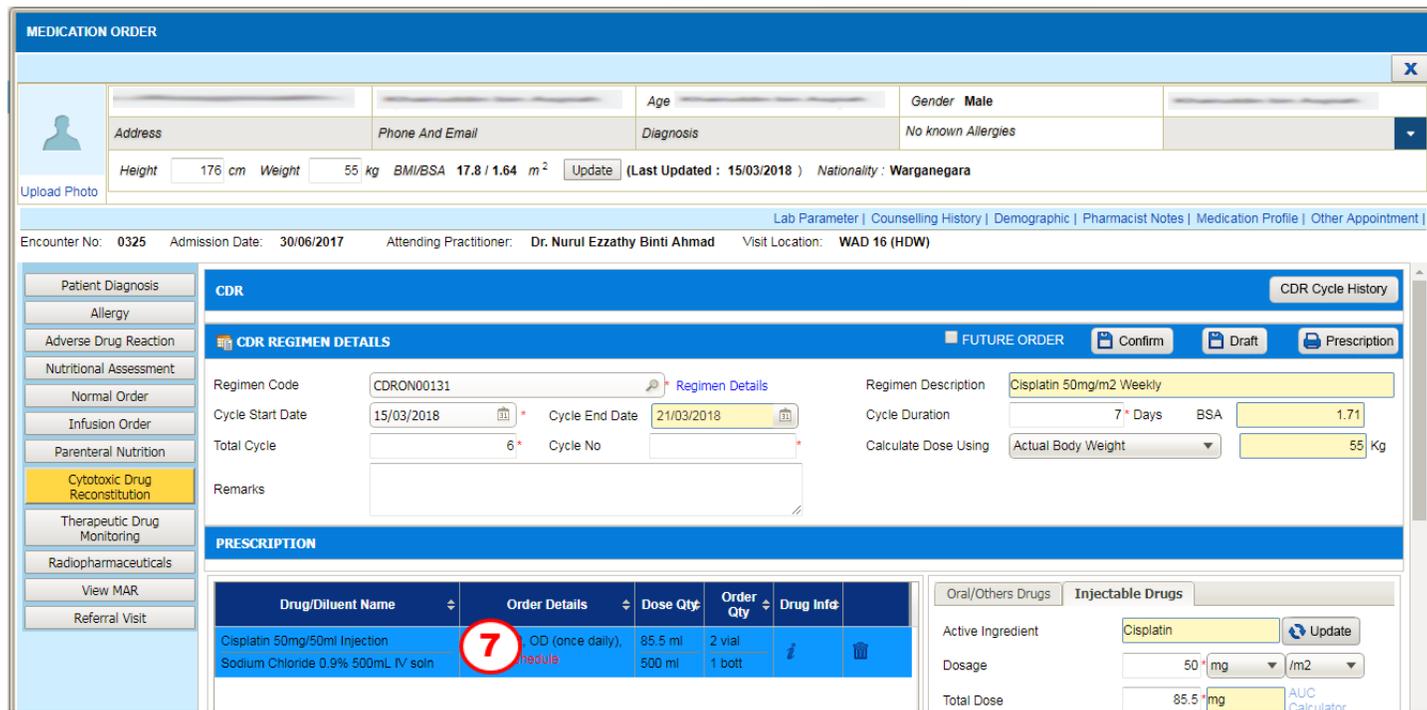


Active Ingredient	Admin Route	Dosage	Frequency	Chemo day	Infuse Over	Diluent	Diluent Volume	Drug Remark	Status
Cisplatin	Intravenous Infusion	100 mg/m2	OD (once daily)	1	2 Hours 0 Minutes	Sodium Chloride 0.9% 500mL IV soln	1000 ml		Active

Figure 3.1-12 Regimen Details

- Select **Calculate Dose Using** from dropdown box:
- Actual Body Weight
- Adjusted Body Weight
- Ideal Body Weight

- Double click on the **Oral/Others Drugs** or **Injectable Drugs** information row.
- System will automatically calculate the weight (kg) according to Calculate Dosage Using selected. It will give effect on Total Dose if user selects Dosage by per kg.



MEDICATION ORDER

Encounter No: 0325 Admission Date: 30/06/2017 Attending Practitioner: Dr. Nurul Ezzathy Binti Ahmad Visit Location: WAD 16 (HDW)

CDR REGIMEN DETAILS

Regimen Code: CDRON00131 Regimen Description: Cisplatin 50mg/m2 Weekly
 Cycle Start Date: 15/03/2018 Cycle End Date: 21/03/2018
 Total Cycle: 6 Cycle No: []
 Calculate Dose Using: Actual Body Weight 55 Kg

PRESCRIPTION

Drug/Diluent Name	Order Details	Dose Qty	Order Qty	Drug Info
Cisplatin 50mg/50ml Injection	7 OD (once daily), redules	85.5 ml	2 vial	[] []
Sodium Chloride 0.9% 500mL IV soln		500 ml	1 bott	[] []

Active Ingredient: Cisplatin
 Dosage: 50 mg/m2
 Total Dose: 85.5 mg

Figure 3.1-13 Prescriptions

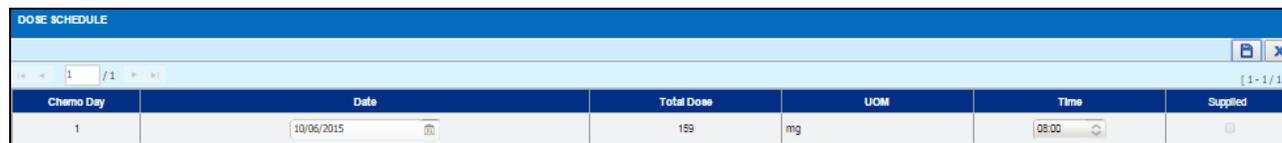
Note

When the Regimen Code is selected, the Drug/Diluent Name of the prescription will be automatically display as shown in Figure 3.1-13.

STEP 7

Double click on the row of the prescription to edit regimen drug details

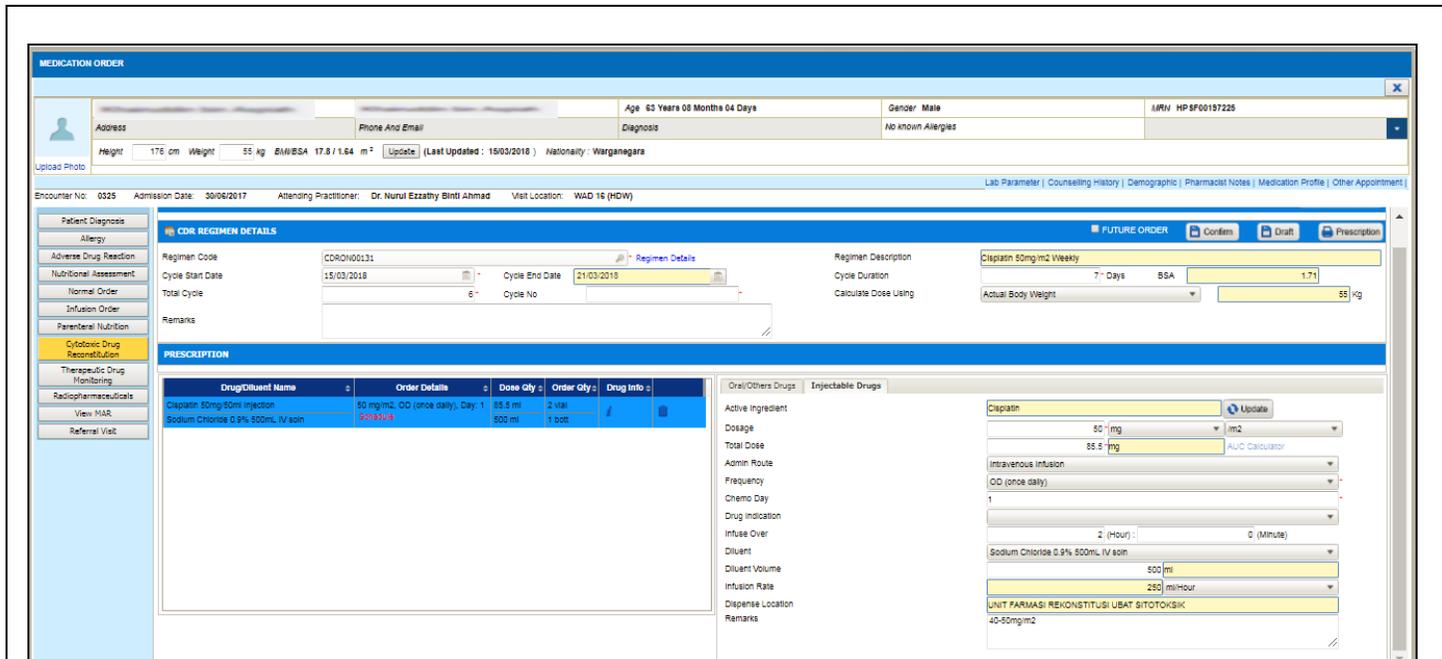
- Click on the  button to delete information if necessary.
- Click on the Schedule hyperlink in red color, the Dose Schedule screen will be displayed as shown in Figure 3.1-14.



Chemo Day	Date	Total Dose	UOM	Time	Supplied
1	10/06/2015	159	mg	08:00	[]

Figure 3.1-14 Dosage Schedule

- System will display prescriptions based on **Regimen Code** selected in CDR Regimen Details.
- System will display Regimen Drug Details based on **Regimen Code** selected as shown in Figure 3.1-15.



The screenshot displays the 'MEDICATION ORDER' interface. At the top, patient information is shown: Age 63 Years 08 Months 04 Days, Gender Male, IIRN HP 5F00197225. Below this, a 'CDR REGIMEN DETAILS' section is visible, showing Regimen Code CDR0H00131, Regimen Description Cisplatin 50mg/m2 Weekly, Cycle Start Date 15/03/2018, and Cycle End Date 21/03/2018. The 'PRESCRIPTION' section contains a table of drugs:

Drug/Diluent Name	Order Details	Dose Qty	Order Qty	Drug Info
Cisplatin 50mg/50ml injection	50 mg/m2, OD (once daily), Day 1	55.5 ml	2 vial	
Sodium Chloride 0.9% 500mL IV soln		500 ml	1 bott	

To the right of the table, the 'Injectable Drugs' configuration for Cisplatin is shown, including fields for Active Ingredient, Dosage (80 mg), Total Dose (55.5 mg), Admin Route (Intravenous Infusion), Frequency (OD (once daily)), Chemo Day (1), Drug Indication, Infuse Over (2 (Hour)), Diluent (Sodium Chloride 0.9% 500mL IV soln), Diluent Volume (500 ml), Infusion Rate (250 ml/hour), and Dispense Location (UNIT FARMASI REKONSTITUSI UBAT SITOTOKSIK).

Figure 3.1-15 Regimen Drug Details : Injectable Drugs

Note

- User is allowed to edit or update Regimen Drug Details:
 - Dosage
 - Total Dose
 - Admin Route
 - Frequency
 - Chemo Day
 - Drug Indication
 - Infuse Over
 - Diluent
 - Diluent Volume
 - Drug Remarks
- If select **Dosage** '/kg' from dropdown menu, **Total Dose** will have displayed based on Calculate Dose Using selected previously in CDR Regimen Detail (Refer to Step 6).
- Click on the  button to save updated Regimen Drug Details.

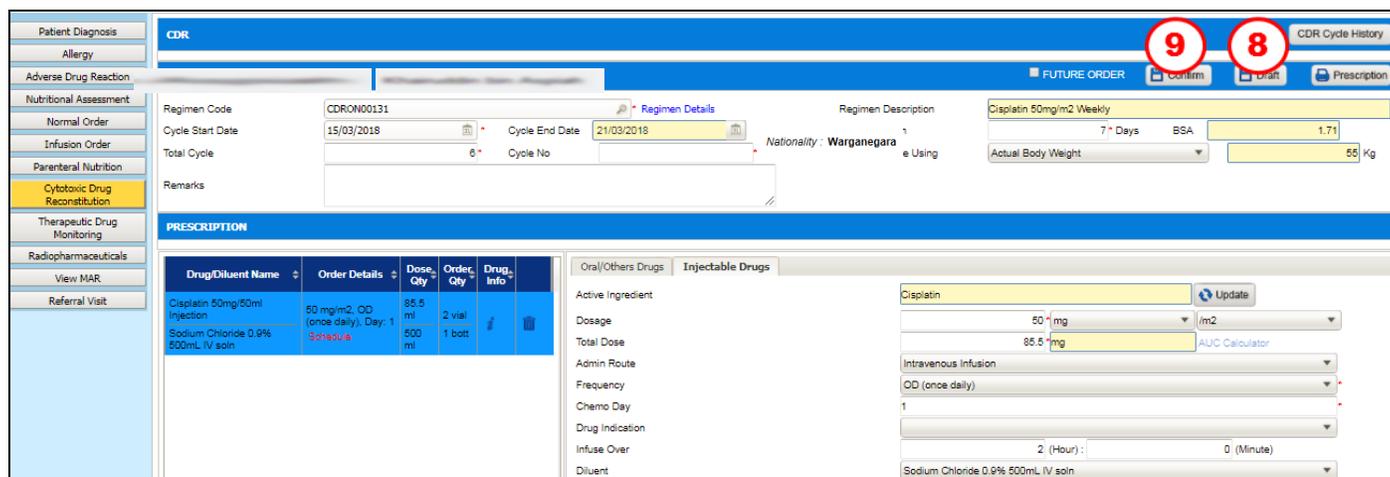
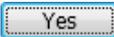


Figure 3.1-16 Medication Order

STEP 8

Click on the  button to save CDR order

Note

- Click on the  button to save order.

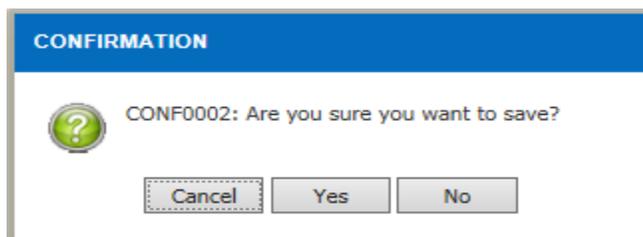


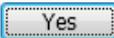
Figure 3.1-17 Confirm Record

- CDR order status will be set as "Draft".
- User is allowed to edit or modify order using this screen.

STEP 9

Click on the  button to confirm CDR order

Note

- Click on the  button to confirm order.

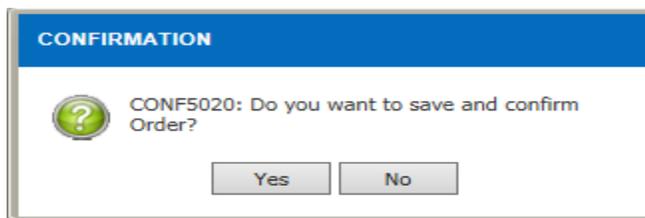
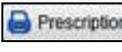


Figure 3.1-18 Confirm Record

- CDR order status will change to “Ordered” and user is not allowed to make changes.
- System will notify user if the CDR drug requires an authorisation before proceeding to CDR Admixture.
- The FUTURE ORDER check box is to allow user to create a future order and when patient arrive for chemo, the doctor/pharmacist will approve the order. If the future order is without approval, Pharmacist will not allow any transaction for it
- Click on the  Delete button to delete record before order is confirmed.
- Click on the  Prescription button to print CDR prescription.

Ministry of Health, Malaysia
Hospital Pakar Sultanah Fatimah, Muar
Cytotoxic Drug Reconstitution

Patient Name : Patient ID :
 Age : 29 Y 3 M 11 D MRN : HPSF00186853
 Gender : Male Prescription # : MOPC0000876280
 Height/Weight/BSA : 173 cm / 80 kg / 1.98 m² Order Date/Time : 19/07/2017 04:06 PM
 Allergy : Location : KLINIK PAKAR PERUBATAN

Diagnosis : good
 Regimen Code : CDRON00003
 Regimen Description : Cisplatin 100mg/m2, 3-weekly
 Cycle Start Date : 19/07/2017 Cycle Duration : 21 Days Total Cycle : 6 Current Cycle : 2

Route	Drug Name	Dosage	Total Dose	Diluent	Diluent Vol	Frequency	Chemo Day
INF	Cisplatin	100 mg/m2	198 mg	Sodium Chloride 0.9% 500mL IV soln	1000 ml	OD (once daily)	1

Prescribed By :
 Designation : Pegawai Perubatan Pakar
 Department : General Medicine

Figure 3.1-19 CDR Prescription

CDR Cycle History

Note

- Click on the  button to display CDR Cycle History screen. Sort the record based on the Cycle Start Date.

CDR CYCLE HISTORY													
Regimen Code	Regimen Name	Cycle Start Date	Cycle End Date	Cycle Duration	Total Cycle	Cycle No	Height/Weight/BSA	Remarks	Prescription Status	Selection	Ordered By	Approved By (Future Order)	
CDRON00003	Cisplatin	10/06/2015	30/06/2015	21 Days	6	1	158cm/56kg/22.43m		ORDERED	<input type="checkbox"/>			
Drug Name	Dose	Frequency	Route	Chemo Day	Drug Remarks	Status							
Cisplatin 50mg Inj	159 mg	OD (once daily)	Intravenous Infusion	Day : 1		ORDERED							

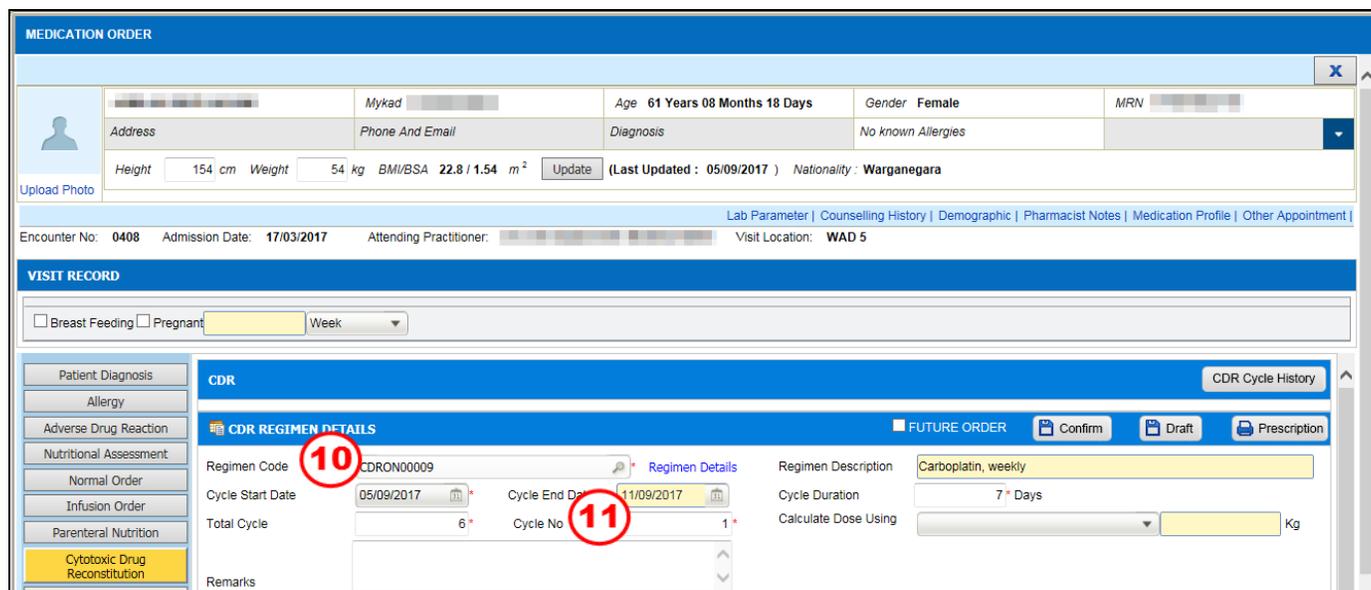
Figure 3.1-20 CDR Cycle History

- Doctor/Pharmacist will approve a future order by clicking on the  button.
- If the future order is without approval, Pharmacist will not allow any transaction.
- Click  button to print CDR Cycle History as shown in Figure 3.1-21.
- For Carboplatin use AUC calculator instead of BSA. Example of AUC calculator click [Carboplatin AUC calculator](#)

REPORT									
Ministry of Health, Malaysia Hospital Pakar Sultanah Fatimah, Muar Cytotoxic Drug Reconstitution : Cycle History									
Patient Name : AILEEN BINTI SAMAD		Patient ID : 770509145802							
Age / Gender : 38 Y 1 M 1 D / Female		MRN : HPSF00084282							
Regimen Code	Regimen Name	Cycle Date	Total Cycle	Cycle No	Remarks	Height/Weight/BSA	Order By	Approved By (Future Order)	
CDRON00003	Cisplatin	10/06/2015 - 30/06/2015 (21 Days)	6	1		158cm/56kg/22.43m2			
Drug Name	Dose	Frequency	Route	Chemo Day	Drug Remarks	Order Status			
Cisplatin	159 mg	OD (once daily)	INF	1		ORDERED			
Printed Date : 10/06/2015		Printed By : [Redacted]							
Source : PHIS									

Figure 3.1-21 CDR Cycle History

Carboplatin AUC Calculator



MEDICATION ORDER

Mykad: [Redacted] Age: 61 Years 08 Months 18 Days Gender: Female MRN: [Redacted]
 Address: [Redacted] Phone And Email: [Redacted] Diagnosis: [Redacted] No known Allergies
 Height: 154 cm Weight: 54 kg BMI/BSA: 22.8 / 1.54 m² Update (Last Updated: 05/09/2017) Nationality: Warganegara

Encounter No: 0408 Admission Date: 17/03/2017 Attending Practitioner: [Redacted] Visit Location: WAD 5

VISIT RECORD

Breast Feeding Pregnant [Redacted] Week: [Redacted]

CDR REGIMEN DETAILS

Regimen Code: **10** CDRON00009 Regimen Description: Carboplatin, weekly
 Cycle Start Date: 05/09/2017 Cycle End Date: 11/09/2017
 Total Cycle: 6* Cycle No: **11** Cycle Duration: 7* Days
 Calculate Dose Using: [Redacted] Kg

3.1-22 CDR Order

STEP 10

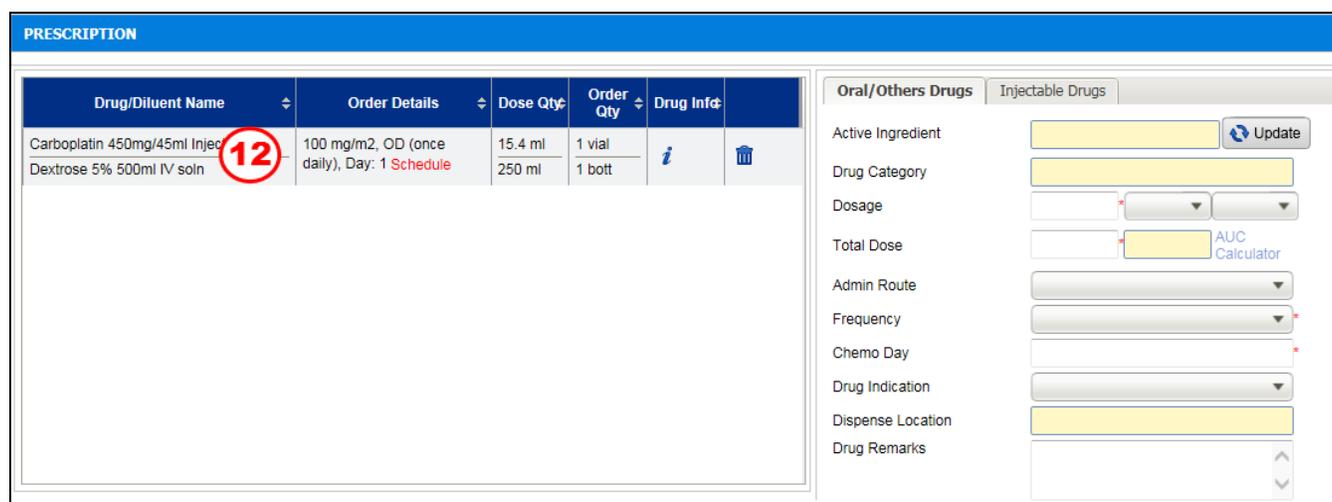
Search and select **Regimen Code**

STEP 11

Enter **Cycle No**

Note

System will display the Regimen details in the prescription section as Figure 3.1-23



PRESCRIPTION

Drug/Diluent Name	Order Details	Dose Qty	Order Qty	Drug Info
Carboplatin 450mg/45ml Injec	100 mg/m2, OD (once daily), Day: 1 Schedule	15.4 ml	1 vial	<i>i</i>
Dextrose 5% 500ml IV soln		250 ml	1 bott	<i>i</i>

Active Ingredient: [Redacted] Update
 Drug Category: [Redacted]
 Dosage: [Redacted]
 Total Dose: [Redacted] AUC Calculator
 Admin Route: [Redacted]
 Frequency: [Redacted]
 Chemo Day: [Redacted]
 Drug Indication: [Redacted]
 Dispense Location: [Redacted]
 Drug Remarks: [Redacted]

Figure 3.1-23 CDR Regimen Prescription

STEP 12

Double click on the row of the prescription to view the drug details as Figure 3.1-24

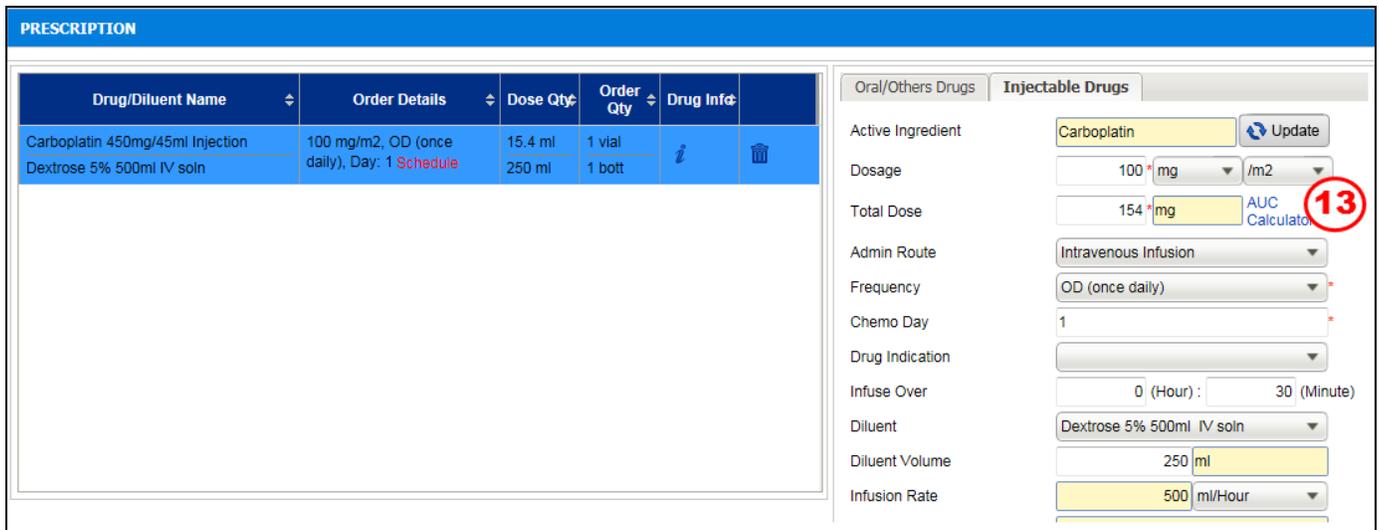


Figure 3.1-24 CDR Regimen Drug Details

STEP 13

Click on the **AUC Calculator** hyperlink and AUC Calculator window will be display as Figure 3.1-25

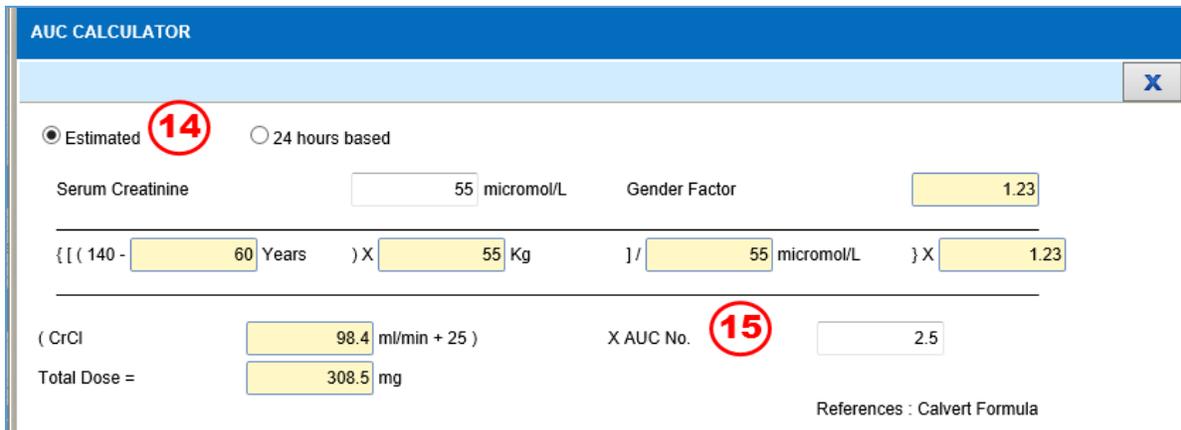


Figure 3.1-25 Estimated AUC Calculator

STEP 14

Options of 'Estimated' or '24 hour based'. Default to 'Estimated'. When 'Estimated' selected and patient gender = Male, 'Gender Factor'= 1.23. When patient gender = Female, gender factor = 1.04

STEP 15

Key in **AUC No** value manually. User is allowed to enter any numeric value of maximum 1 decimal only.

Note

- System will automatically update the new **Total Dose** based on the input in STEP 14 and STEP 15.
- Once '24 hour based' selected, to display screen as Figure 3.1-26.

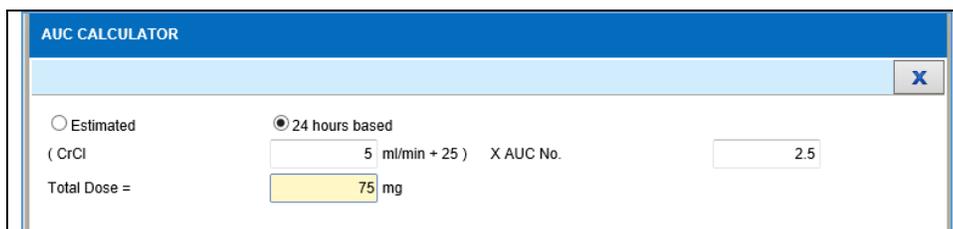


Figure 3.1-26 24 hours based AUC Calculator

- User need to enter CrCl value manually instead of calculated by system.
- The updated **Total Dose** will be update on the Order Screen as Figure 3.1-27.

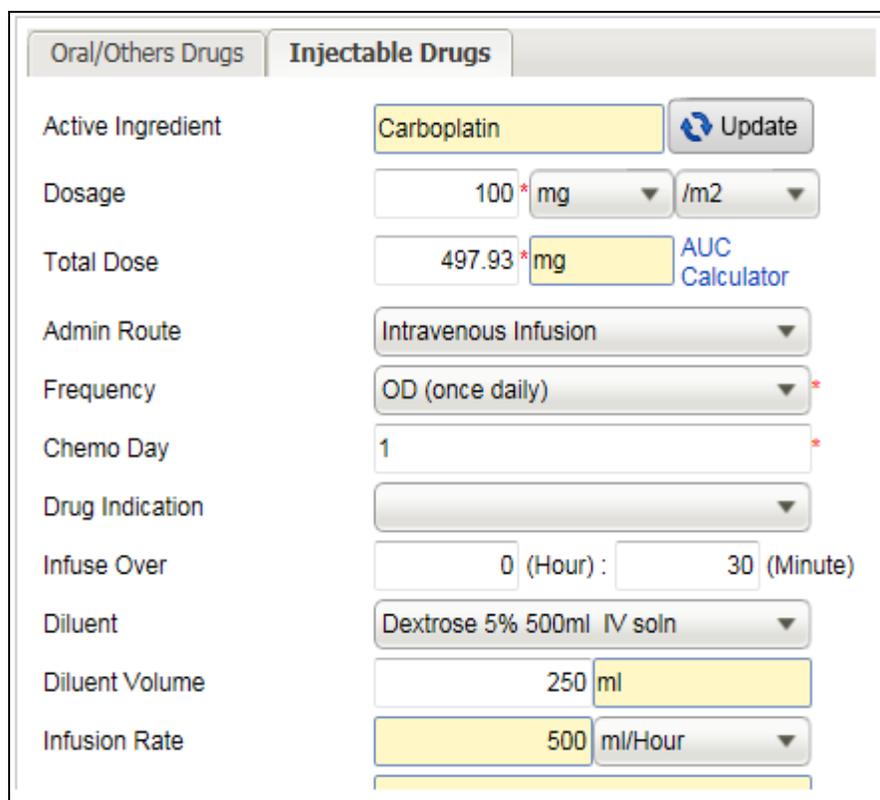


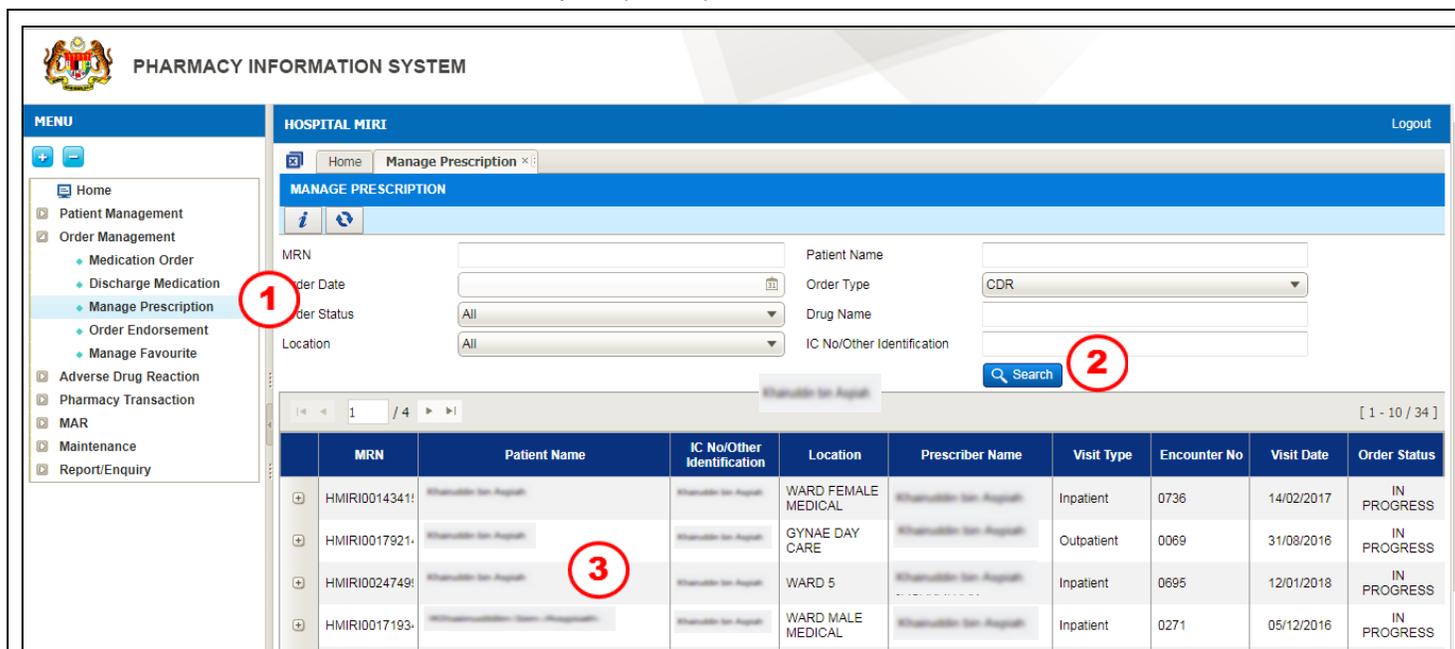
Figure 3.1-27 Updated AUC Calculator

3.2 Manage Prescription

Prescriber is allowed to manage the order made after they confirm the order.

3.2.1 Modify Order

Prescriber is allowed to modify the prescription if the **Order Status** is ORDERED.



The screenshot shows the 'MANAGE PRESCRIPTION' interface. On the left is a 'MENU' with 'Order Management' expanded to 'Manage Prescription' (circled 1). The top right has a 'Logout' link. The main area has search filters for MRN, Patient Name, Order Date, Order Status, Location, Patient Name, Order Type (set to CDR), Drug Name, and IC No/Other Identification. A 'Search' button (circled 2) is present. Below is a table with columns: MRN, Patient Name, IC No/Other Identification, Location, Prescriber Name, Visit Type, Encounter No, Visit Date, and Order Status. The third row (circled 3) is highlighted.

MRN	Patient Name	IC No/Other Identification	Location	Prescriber Name	Visit Type	Encounter No	Visit Date	Order Status
HMIRI0014341	Placeholder for Patient Name	Placeholder for IC No/Other Identification	WARD FEMALE MEDICAL	Placeholder for Prescriber Name	Inpatient	0736	14/02/2017	IN PROGRESS
HMIRI0017921	Placeholder for Patient Name	Placeholder for IC No/Other Identification	GYNAE DAY CARE	Placeholder for Prescriber Name	Outpatient	0069	31/08/2016	IN PROGRESS
HMIRI0024749	Placeholder for Patient Name	Placeholder for IC No/Other Identification	WARD 5	Placeholder for Prescriber Name	Inpatient	0695	12/01/2018	IN PROGRESS
HMIRI0017193	Placeholder for Patient Name	Placeholder for IC No/Other Identification	WARD MALE MEDICAL	Placeholder for Prescriber Name	Inpatient	0271	05/12/2016	IN PROGRESS

Figure 3.2.1-1 Manage Prescription Listing Page

STEP 1

Click on the 'Order Management' menu followed by 'Manage Order' sub menu

Note

Search patient record based :-

No	Field	Description	Remark
a	MRN	Patient Medical Record Number	Search option: <ul style="list-style-type: none"> Scan the MRN using barcode scanner. Type the MRN either in fully or partially: Example: HPSF00001234 or "1234"
b	Order Date	Order date	Allow to search by ordered date
c	Order Status	According to Order in which stage	Able to filter by order status
d	Location	Patient visit location	Able to filter and search patient name by visit location
e	Patient Name	Patient Name	Allow to search by patient name –in fully or partially
f	IC No/Other Identification	Patient IC No/Other Identification	Allow to search by patient IC No/Other Identification
g	Order Type	Search patient by: <ul style="list-style-type: none"> Normal CDR IV PN Radiopharmaceuticals 	Allow to search by order type
h	Drug Name	Drug Name	Allow to search by fully or partially entered drug name

Table 3.2.1-1

STEP 2

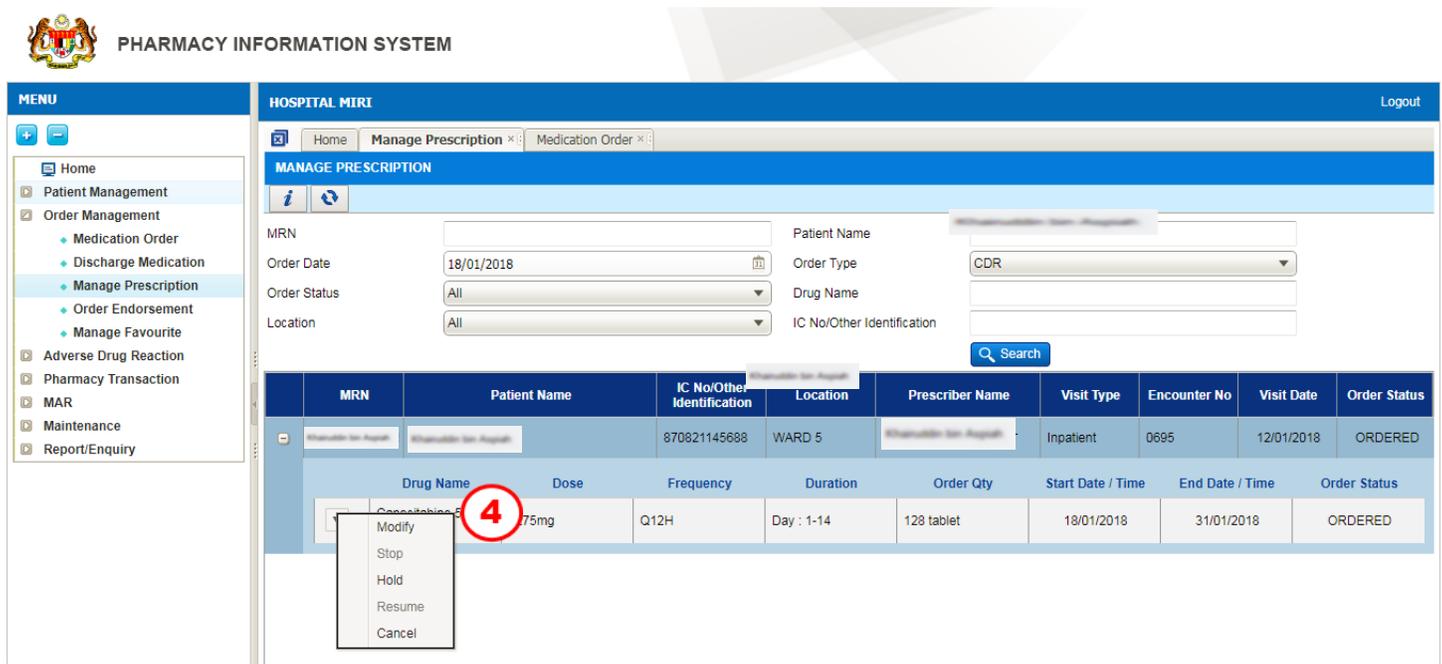
Click on the  button to search for patient

Note

- Search results of patient record list will display:
 - MRN
 - Patient Name
 - Patient IC No/Other Identification
 - Location
 - Prescriber Name
 - Visit Type
 - Encounter No
 - Visit Date
 - Order Status

STEP 3

Click on  button to view selected patient's prescription



PHARMACY INFORMATION SYSTEM

HOSPITAL MIRI Logout

Home Manage Prescription Medication Order

MANAGE PRESCRIPTION

MRN: Patient Name:

Order Date: 18/01/2018 Order Type: CDR

Order Status: All Drug Name:

Location: All IC No/Other Identification:

MRN	Patient Name	IC No/Other Identification	Location	Prescriber Name	Visit Type	Encounter No	Visit Date	Order Status
<input type="text"/>	<input type="text"/>	870821145688	WARD 5	<input type="text"/>	Inpatient	0695	12/01/2018	ORDERED

Drug Name	Dose	Frequency	Duration	Order Qty	Start Date / Time	End Date / Time	Order Status
<input type="text"/>	75mg	Q12H	Day : 1-14	128 tablet	18/01/2018	31/01/2018	ORDERED

Context Menu: Modify, Stop, Hold, Resume, Cancel

Figure 3.2.1-2 Manage Order – Modify

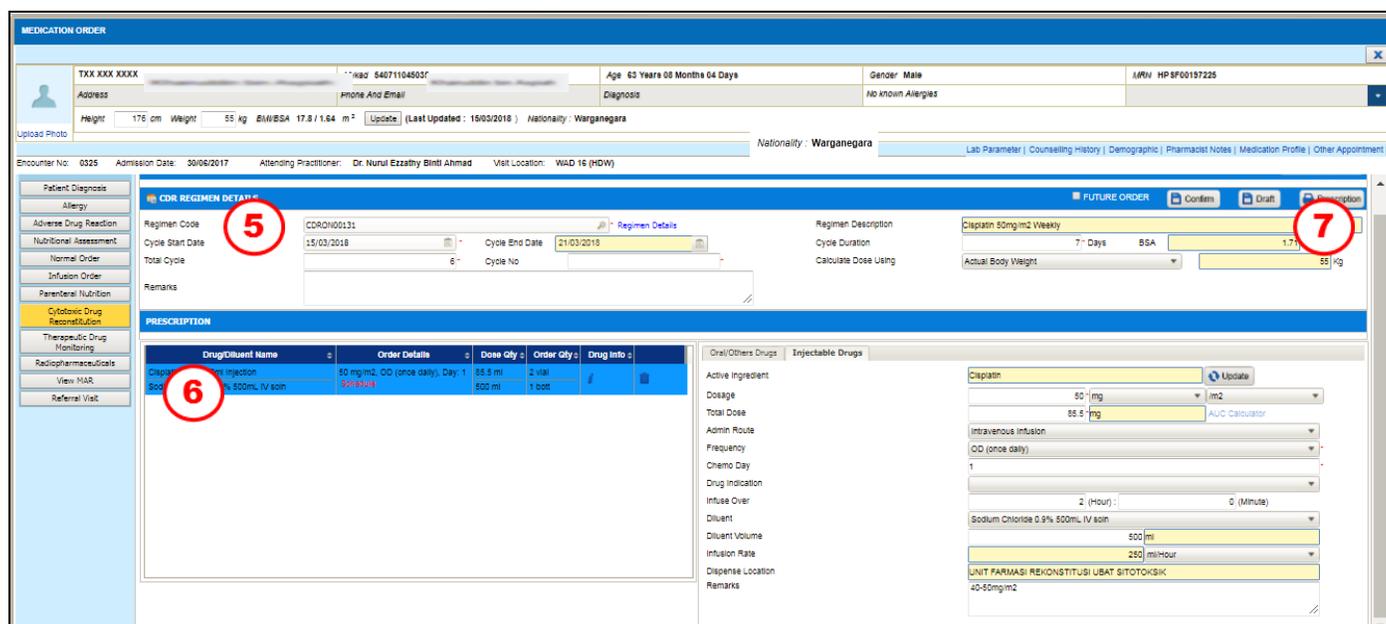
STEP 4

Right click on the  button and select **Modify** function

Note

Modify CDR Order screen will be displayed as shown in Figure 3.2.1-3 and consist of two (2) sections which are:

- CDR Regimen Details section
- Prescription section : Regimen Drug Details



Medication Order

TXXX XXXX | *Kad: 54071104503* | Age: 63 Years 08 Months 04 Days | Gender: Male | MRN: HPF00157225

Address: | Phone And Email: | Diagnosis: | No known Allergies

Height: 176 cm | Weight: 55 kg | BMI/BSA: 17.8 / 1.64 m² | Update | (Last Updated: 15/03/2018) | Nationality: Warganegara

Encounter No: 0325 | Admission Date: 30/06/2017 | Attending Practitioner: Dr. Nurul Ezzahy Binti Ahmad | Visit Location: WAD 16 (HDW)

Nationality: Warganegara | Lab Parameter | Counseling History | Demographic | Pharmacist Notes | Medication Profile | Other Appointment

CDR REGIMEN DETAILS

Regimen Code: CDQ0N00131 | Regimen Description: Cisplatin 50mg/m2 Weekly

Cycle Start Date: 15/03/2018 | Cycle End Date: 21/03/2018 | Cycle Duration: 7 Days | BSA: 1.71

Total Cycle: 6 | Calculate Dose Using: Actual Body Weight | Actual Body Weight: 55 kg

PRESCRIPTION

Drug/Diluent Name	Order Details	Dose Qty	Order Qty	Drug Info
Cisplatin Injection	50 mg/m2, OD (once daily), Day 1	55.5 ml	2 vial	
Sodium Chloride 0.9% 500mL IV soln		500 ml	1 bott	

One/Other Drugs | Injectable Drugs

Active Ingredient: Cisplatin | Dosage: 50 mg | Total Dose: 55.5 mg | Admin Route: intravenous infusion | Frequency: OD (once daily) | Chemo Day: 1 | Drug Indication: | Infuse Over: 2 (hour) | Diluent: Sodium Chloride 0.9% 500mL IV soln | Diluent Volume: 500 ml | Infusion Rate: 250 ml/hour | Dispense Location: UNIT FARMASI REKONSTITUSI UBAT SITOTOKSIK

Figure 3.2.1-3 Modify CDR Order

STEP 5

Information under CDR Regimen Details section which user can modify:

- a) Cycle Start Date
- b) Cycle Duration
- c) Cycle No
- d) Calculate Dose Using
- e) Remarks

STEP 6

Information under Prescription section: Regimen Drug Details which user can modify:

- a) Dosage
- b) Total Dose
- c) Frequency
- d) Chemo Day
- e) Admin Route
- f) Drug Indication
- g) Infuse Over
- h) Diluent
- i) Diluent volume

STEP 7

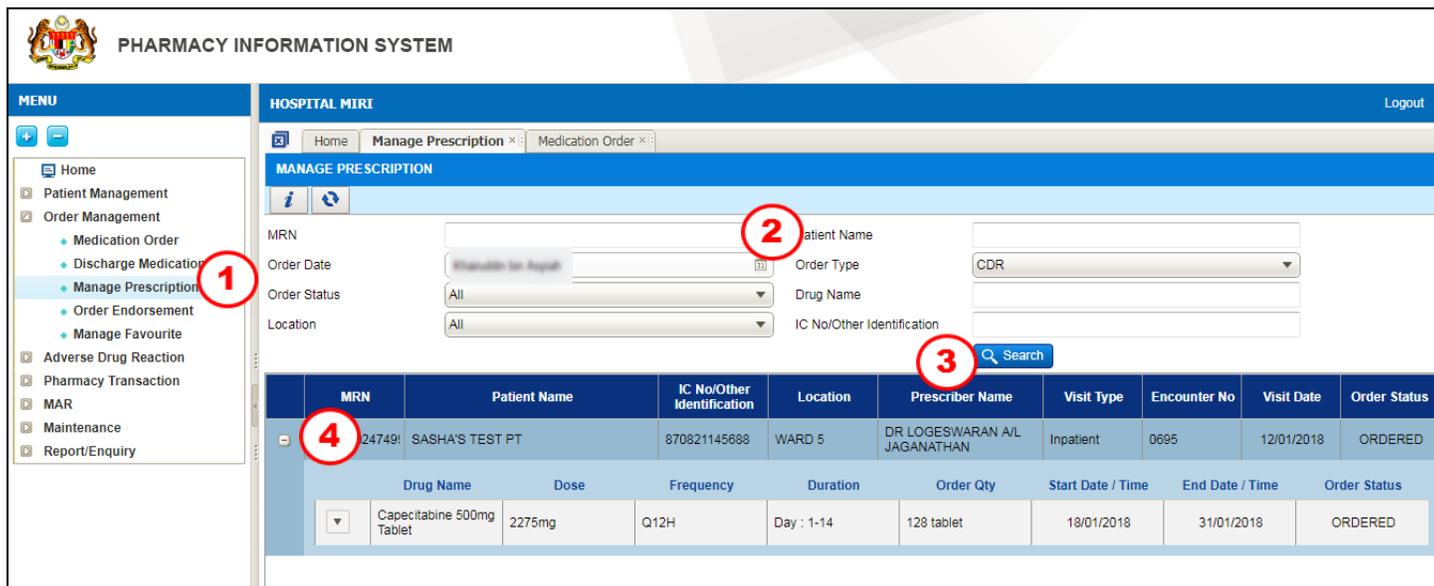
Click on the  button to save the modified record

3.2.2 Hold/Resume Order

Prescriber is allowed to hold medication order from being administered or dispense to the patient and may resume the hold order to continue the medication order.

Note

Repeat **Step 1 to Step 3** section 3.2.1 Modify Order to proceed with Hold/Resume order.



PHARMACY INFORMATION SYSTEM

MENU

- Home
- Patient Management
- Order Management
 - Medication Order
 - Discharge Medication
 - Manage Prescription **1**
 - Order Endorsement
 - Manage Favourite
- Adverse Drug Reaction
- Pharmacy Transaction
- MAR
- Maintenance
- Report/Enquiry

HOSPITAL MIRI Logout

Home Manage Prescription × Medication Order ×

MANAGE PRESCRIPTION

MRN Patient Name **2**

Order Date Order Type

Order Status Drug Name

Location IC No/Other Identification

3

MRN	Patient Name	IC No/Other Identification	Location	Prescriber Name	Visit Type	Encounter No	Visit Date	Order Status
4 24749	SASHA'S TEST PT	870821145688	WARD 5	DR LOGESWARAN A/L JAGANATHAN	Inpatient	0695	12/01/2018	ORDERED

Drug Name	Dose	Frequency	Duration	Order Qty	Start Date / Time	End Date / Time	Order Status
Capecitabine 500mg Tablet	2275mg	Q12H	Day : 1-14	128 tablet	18/01/2018	31/01/2018	ORDERED

Figure 3.2.2-1 Manage Order – Hold

Hold/Resume order function on manage order module is for prescriber to hold or resume an order from dispensing

STEP 1

Click on 'Order Management' module and click on 'Manage Order' submodule

STEP 2

Search patient's record either by:

- MRN
- Patient Name
- IC no/other identification
- Order Date
- Order Type
- Order Status
- Drug Name
- Location

Note

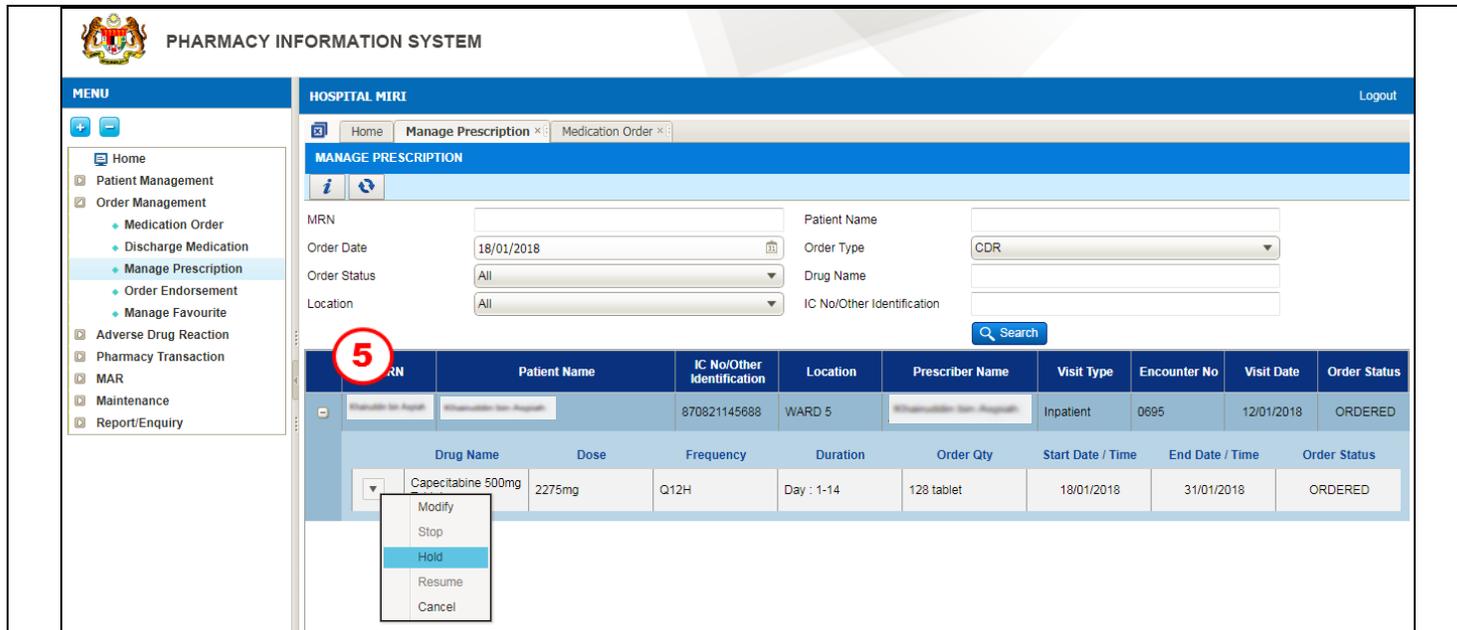
User need to select order type as 'CDR' to search CDR order record.

STEP 3

Click on the  to search patient's record

STEP 4

Click on the  button to display order detail



PHARMACY INFORMATION SYSTEM

HOSPITAL MIRI Logout

Home Manage Prescription Medication Order

MANAGE PRESCRIPTION

MRN: Patient Name:
 Order Date: 18/01/2018 Order Type: CDR
 Order Status: All Drug Name:
 Location: All IC No/Other Identification:

MRN	Patient Name	IC No/Other Identification	Location	Prescriber Name	Visit Type	Encounter No	Visit Date	Order Status
870821145688	WARD 5	870821145688	WARD 5	Inpatient	0695	12/01/2018	ORDERED	

Drug Name	Dose	Frequency	Duration	Order Qty	Start Date / Time	End Date / Time	Order Status
Capecitabine 500mg	2275mg	Q12H	Day : 1-14	128 tablet	18/01/2018	31/01/2018	ORDERED

Context Menu: Modify, Stop, **Hold**, Resume, Cancel

STEP 5

Right click on the content menu and select Hold function to hold the order

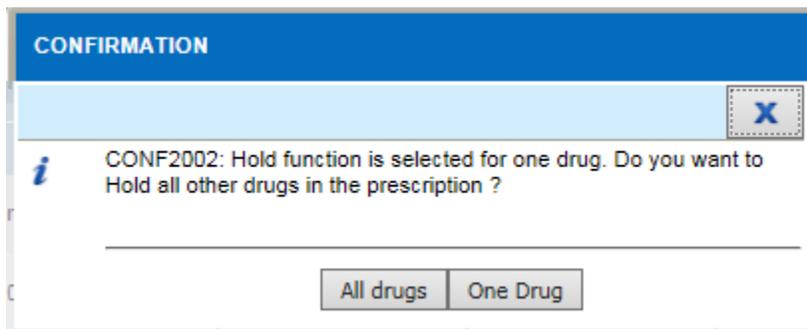
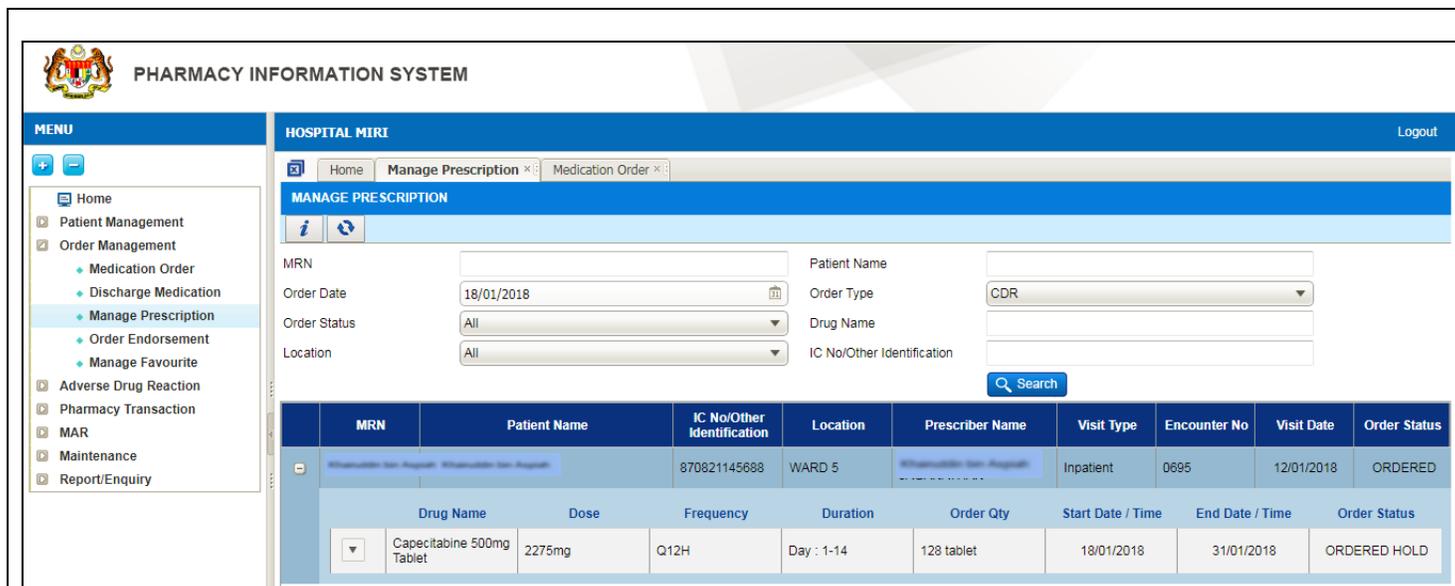


Figure 3.2.2-2 Alert Message

Note

- Alert Message will be displayed after selecting **Hold** as figure 3.2.2-2
- Click on the button to hold all other drugs in the prescription.
- Click on the button to hold only the selected drugs in the prescription.
- Order Status will change to 'Ordered Hold' as shown in Figure 3.2.2-3.



MRN	Patient Name	IC No/Other Identification	Location	Prescriber Name	Visit Type	Encounter No	Visit Date	Order Status
870821145688			WARD 5		Inpatient	0695	12/01/2018	ORDERED

Drug Name	Dose	Frequency	Duration	Order Qty	Start Date / Time	End Date / Time	Order Status
Capectabine 500mg Tablet	2275mg	Q12H	Day : 1-14	128 tablet	18/01/2018	31/01/2018	ORDERED HOLD

Figure 3.2.2-3 Manage Order – Hold

Resume CDR Order

- Right click on the  button and select **Resume**
- Alert Message will be displayed after selecting **Resume**

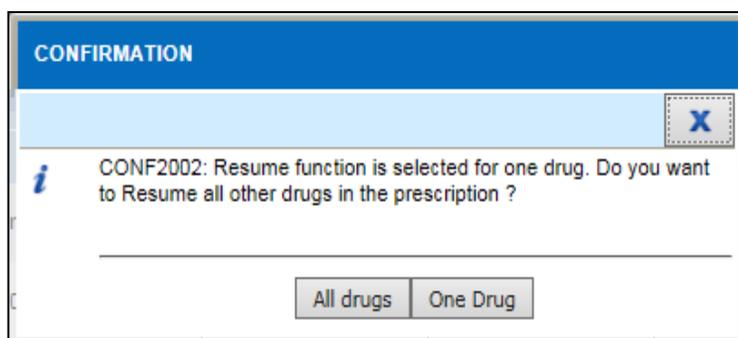
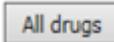
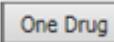


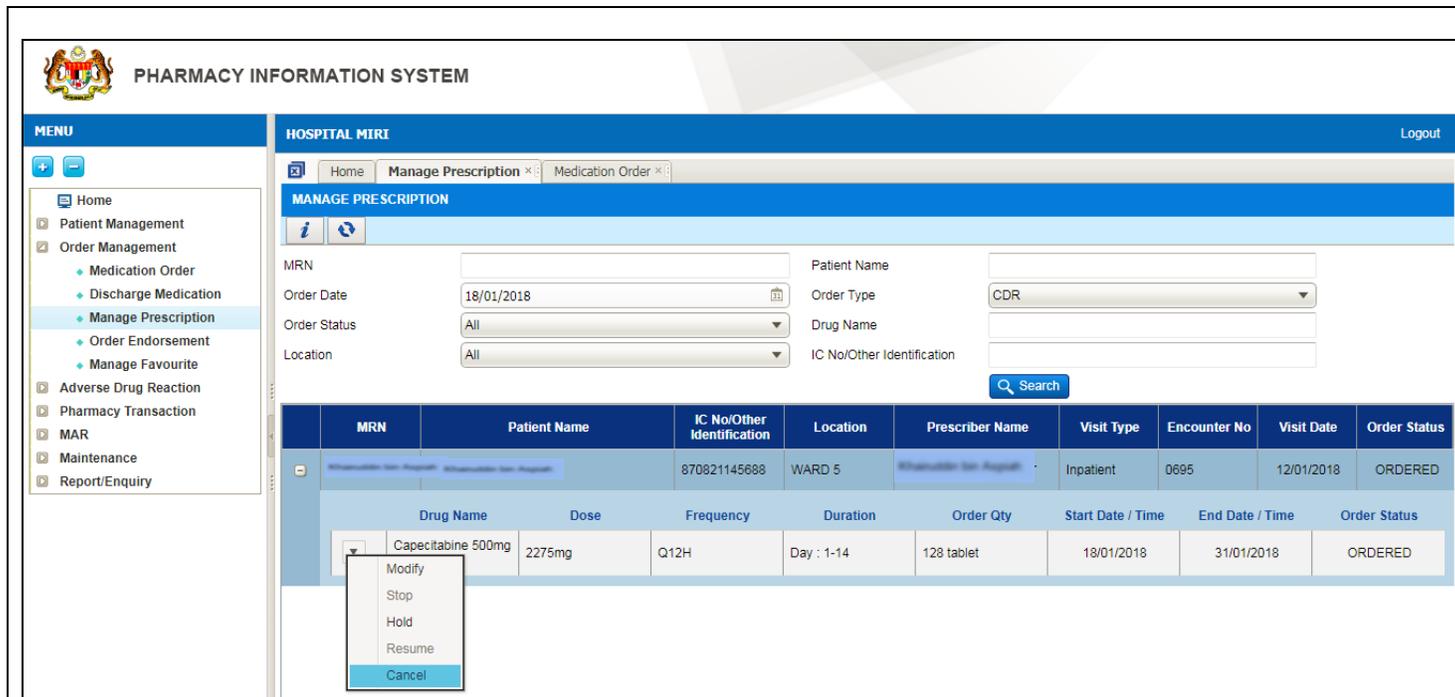
Figure 3.2.2-4 Alert Message

Note

- Click on the  button to resume all other drugs in the prescription.
- Click on the  button to resume only the selected drugs in the prescription.
- Order Status will change to 'Ordered'.

3.2.3 Cancel/Stop Order

Prescriber is allowed to cancel or stop prescribed medication order from being administered or dispensed.



PHARMACY INFORMATION SYSTEM

HOSPITAL MIRI Logout

Home Manage Prescription Medication Order

MANAGE PRESCRIPTION

MRN: Patient Name:
 Order Date: 18/01/2018 Order Type: CDR
 Order Status: All Drug Name:
 Location: All IC No/Other Identification:

MRN	Patient Name	IC No/Other Identification	Location	Prescriber Name	Visit Type	Encounter No	Visit Date	Order Status
870821145688		870821145688	WARD 5		Inpatient	0695	12/01/2018	ORDERED

Drug Name	Dose	Frequency	Duration	Order Qty	Start Date / Time	End Date / Time	Order Status
Capecitabine 500mg	2275mg	Q12H	Day : 1-14	128 tablet	18/01/2018	31/01/2018	ORDERED

Context Menu: Modify, Stop, Hold, Resume, **Cancel**

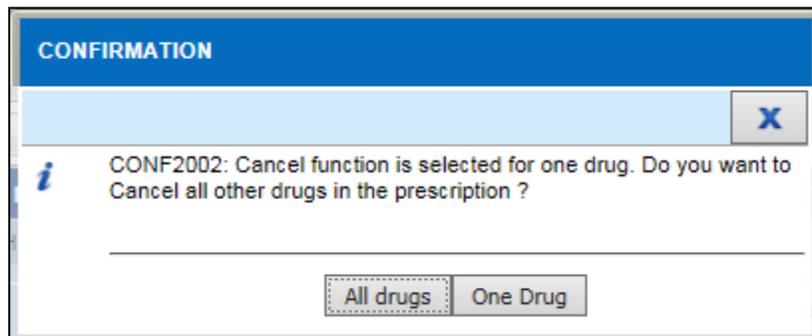
Figure 3.2.3-1 Manage Order – Cancel

Note

Repeat **Step 1 to Step 3** section 3.2.1 Modify Order to proceed with Cancel/Stop order.

Cancel CDR Order

- Right click on the button and select **Cancel**
- Alert Message will be displayed after selecting **Cancel**



CONFIRMATION

CONF2002: Cancel function is selected for one drug. Do you want to Cancel all other drugs in the prescription ?

Figure 3.2.3-2 Alert Message

Note

- Click on the button to cancel all other drugs in the prescription.
- Click on the button to cancel only the selected drugs in the prescription.
- After is clicked, user is required to fill **Cancel Reason** as shown in figure 3.2.3-3.

- Click on the  button to save the CDR Drug cancellation.
- If prescriber found that prescription is required to be cancelled due to patient allergies, prescriber is allowed to click on the  button to record the allergies.



Figure 3.2.3-3 Cancel Reason

Stop CDR Order

Note

- Only orders with Status “Partially Dispense” can be used to stopped.
 - Right click on the  button and select **Stop**
 - Alert Message will be displayed after selecting **Stop**

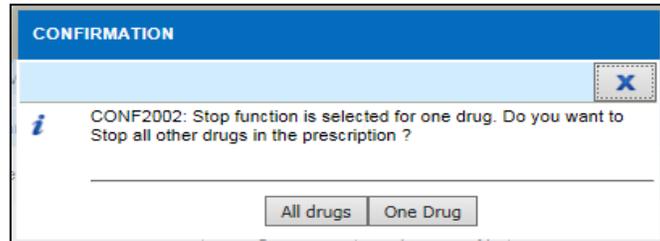
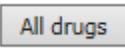
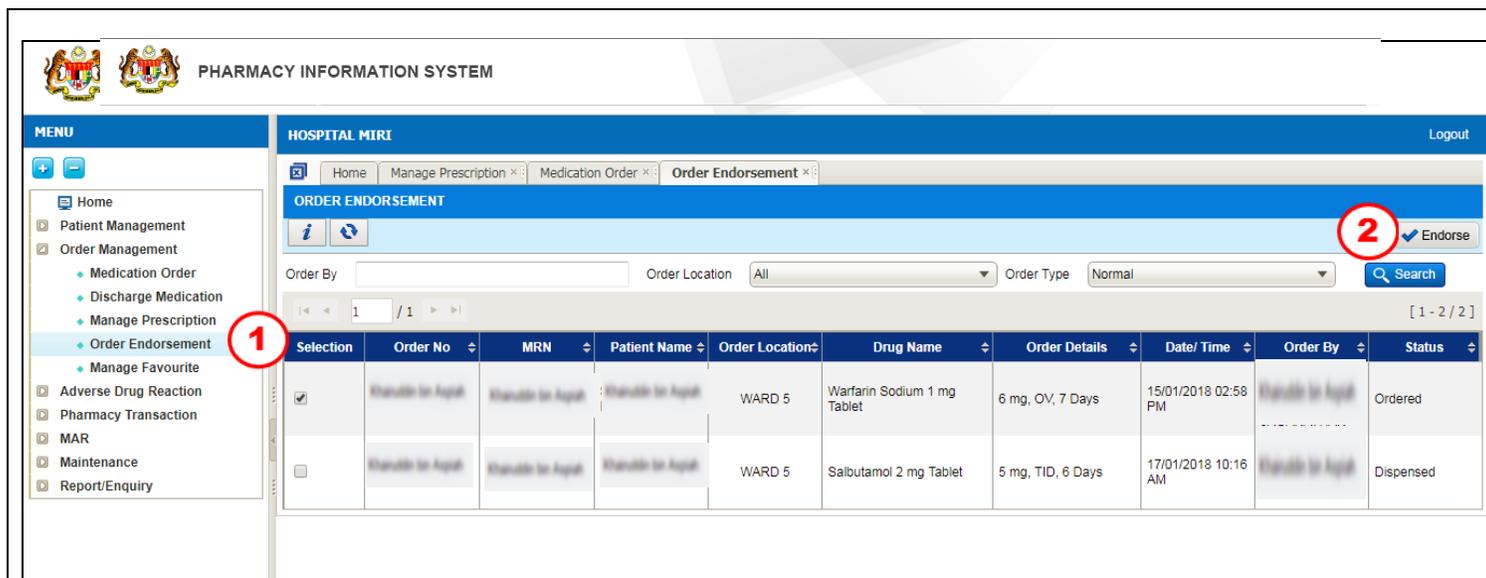


Figure 3.2.3-4 Alert Message

Click  to stop all drug at current perscription or  to stop only selected drug

3.3 Order Endorsement

Order endorsement is to notify the prescriber on prescription changes made by pharmacist.



The screenshot shows the 'PHARMACY INFORMATION SYSTEM' interface for 'HOSPITAL MIRI'. The 'MENU' on the left includes 'Order Management' with 'Order Endorsement' selected (marked with a red circle '1'). The main area shows the 'ORDER ENDORSEMENT' screen with a search bar and a table of orders. The 'Endorse' button is marked with a red circle '2'.

Selection	Order No	MRN	Patient Name	Order Location	Drug Name	Order Details	Date/Time	Order By	Status
<input checked="" type="checkbox"/>	Placeholder for Order No	Placeholder for MRN	Placeholder for Patient Name	WARD 5	Warfarin Sodium 1 mg Tablet	6 mg, OV, 7 Days	15/01/2018 02:58 PM	Placeholder for Order By	Ordered
<input type="checkbox"/>	Placeholder for Order No	Placeholder for MRN	Placeholder for Patient Name	WARD 5	Salbutamol 2 mg Tablet	5 mg, TID, 6 Days	17/01/2018 10:16 AM	Placeholder for Order By	Dispensed

Figure 3.3-1 Order Endorsement

STEP 1

Click on the 'Order Management' menu followed by 'Order Endorsement' sub menu

Note

Search patient records by below criteria: -

No	Field	Description	Remark
a	Order By	Prescriber Name	Allow to search by fully or partially entered prescriber name
b	Order Location	Patient visit location	Able to filter and search patient name by visit location
c	Order type	Search By: - Normal - CDR - IV - PN - Radiopharmaceuticals	Allow to search by order type

Table 3.3-1

STEP 2

Click on the  button to search for patient

Note

- Search result of patient record list will display:
 - Order Number
 - MRN
 - Patient Name
 - Order Location
 - Drug Name
 - Order Details
 - Date/Time
 - Order By

- Status

Note

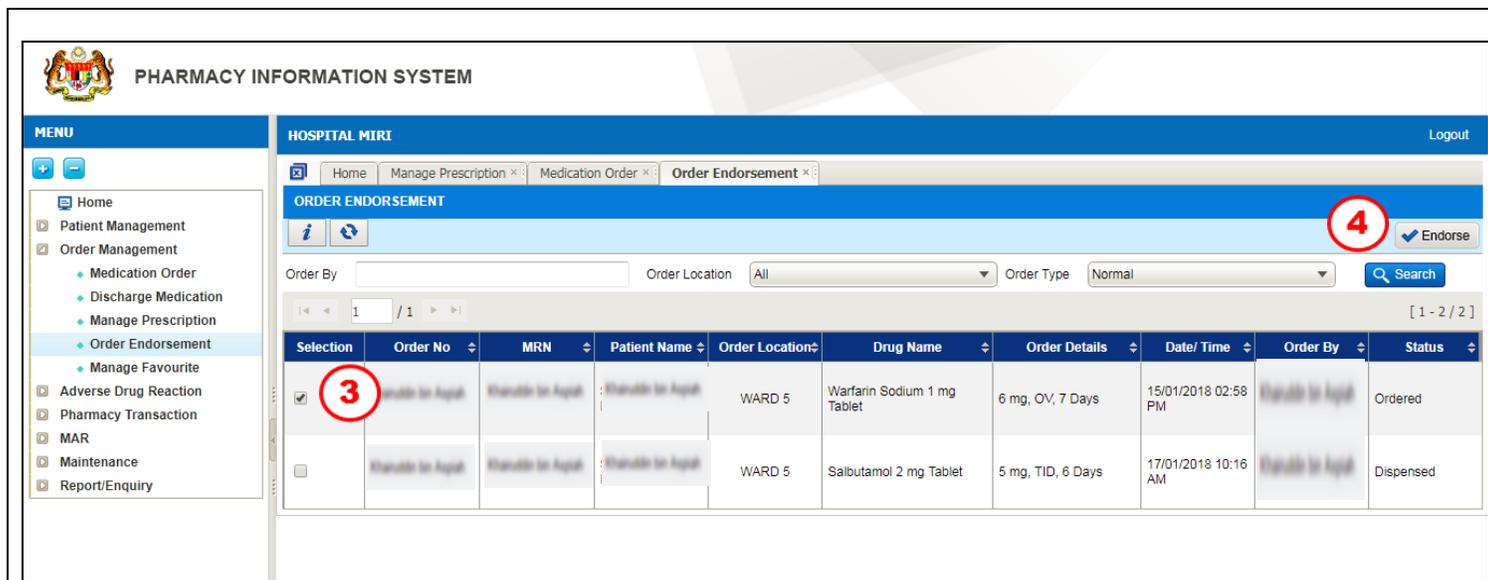
- Click on the **Order No** hyperlink to view Order Details as shown in Figure 3.3-2.
- Click on the **MRN** hyperlink to view patient Medication Profile as shown in Figure 3.3-3.

ORDER DETAILS										
X										
REGIMEN DETAILS										
Ordered Cycle Start Date	Modified Cycle Start Date	Ordered Cycle End Date	Modified Cycle End Date							
04/04/2017	-	24/04/2017	-							
DRUG DETAILS										
Drug Name	Ordered Dose	Ordered Frequency	Ordered Infuse Over	Ordered Chemo Day	Ordered Route	Ordered Start Date	End Date	Status	Remarks	Ordered By
Epirubicin 10mg/5ml Injection	86.4 mg	OD (once daily)	-	Day: 1	Intravenous Slow Bolus	04/04/2017	04/04/2017	ORDERED	Reschedule to April	
Drug Name	Modified Dose	Modified Frequency	Modified Infuse Over	Modified Chemo Day	Modified Route	Modified Start Date	End Date	Status	Remarks	Modified By
Epirubicin 10mg/5ml Injection	-	Single Dose	-	-	-	-	04/04/2017	ORDERED		SITI FAIRUZ BINTI SELBI
DOSE SCHEDULE										
Chemo Day	Ordered Date	Modified Date								
1	04/04/2017	-								

Figure 3.3-2 Order Details

MEDICATION PROFILE											
											Administration Dispensing X
Drug Name	<input type="text"/>	Visit Type	All								
Prescription Date From	<input type="text"/>	Prescription Date To	<input type="text"/>								
Prescription Status	All	Location	All								
Order Type	Normal	<input type="button" value="Search"/>									
Current Medication											
Encounter No											
Previous Medication											
Encounter No											
0036											
Rx No.	Drug Name	Dose	Route	Frequency	Status	Visit Type	Visit Date	Duration	Prescribed Qty	Start Date	End Date
WAD 80000000751	Amikacin 500mg/2ml Inj	2000 mg	Intravenous Infusion	BD	ORDERED	Inpatient	24/03/2014	2 Days	4000	03/04/2014	05/04/2014
WAD 80000000235	niFEDipine 10 mg Tablet	5 mg	Oral	TDS	PARTIALLY DISPENSED	Inpatient	24/03/2014	2 Days	3	24/03/2014	26/03/2014
WAD 80000000235	Allopurinol 300 mg Tablet	150 mg	Oral	OD	FULLY DISPENSED	Inpatient	24/03/2014	2 Days	1	24/03/2014	26/03/2014
WAD 80000000147	Ofloxacin 100 mg Tablet	100 mg	Oral	STAT	ORDERED	Inpatient	24/03/2014	1 Days	1	27/03/2014	28/03/2014
WAD 80000000121	Paracetamol 500 mg Tablet	500 mg	Oral	PRN	ORDERED	Inpatient	24/03/2014	2 Days	0	27/03/2014	29/03/2014
WAD 80000000113	Insulin glargine (Lantus) 100 IU/ml Pre-filled Pen	1 IU, 2 IU, 1 IU	Subcutaneous	TDS	ORDERED	Inpatient	24/03/2014	2 Days	1	27/03/2014	29/03/2014
WAD 80000000099	Insulin regular (Actrapid) 100 IU/mL Penfill	4 IU	Subcutaneous	OM	ORDERED	Inpatient	24/03/2014	2 Days	1	27/03/2014	29/03/2014
WAD 80000000096	Amlodipine 10 mg Tablet	10 mg	Oral	OD	ORDERED	Inpatient	24/03/2014	2 Days	2	26/03/2014	28/03/2014

Figure 3.3-3 Medication Profile



PHARMACY INFORMATION SYSTEM

HOSPITAL MIRI Logout

Home Manage Prescription Medication Order Order Endorsement

ORDER ENDORSEMENT Endorse

Order By: Order Location: All Order Type: Normal Search

1 / 1 [1 - 2 / 2]

Selection	Order No	MRN	Patient Name	Order Location	Drug Name	Order Details	Date/ Time	Order By	Status
<input checked="" type="checkbox"/>	Available for Input	Available for Input	Available for Input	WARD 5	Warfarin Sodium 1 mg Tablet	6 mg, OV, 7 Days	15/01/2018 02:58 PM	Available for Input	Ordered
<input type="checkbox"/>	Available for Input	Available for Input	Available for Input	WARD 5	Salbutamol 2 mg Tablet	5 mg, TID, 6 Days	17/01/2018 10:16 AM	Available for Input	Dispensed

Figure 3.3-4 Order Endorsement

STEP 3

Click on the selected Patient Name checkbox

STEP 4

Click on the button to endorse the drug and alert message will be displayed as in Figure 3.3-5

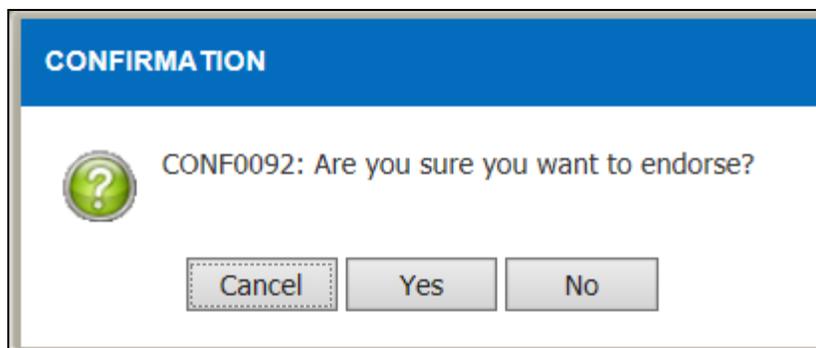


Figure 3.3-5 Alert Message

Note

Click on the button to confirm the endorsement.

Click on the button to cancel the endorsement.

3.4 Authorisation

This function is used by a specialist or authorised person to approve list A/ A*/ A/KK drug that requires authorisation.

PHARMACY INFORMATION SYSTEM

HOSPITAL MIRI

Logout

Home Authorisation

AUTHORISATION

Order By: Patient Name:

Location: All Drug Name:

Order Date From: Order Date To:

Search Reject Authorise

1 / 510 [1 - 10 / 5097]

Order ID	MRN	Patient Name	Location	Drug Name	Dose	Frequency	Duration	Ordered Date	Order By	Order Type	Diagnosis	Authorise
Unavailable for Report	Unavailable for Report	KANDOOK ANAK YOU NYUK FOH @ JOONPOL	WARD FEMALE MEDICAL	Cyclophosphamide 1g/50ml Injection	292 mg	OD (once daily)	Day : 1	03/08/2017	Unavailable for Report	CDR	Diagnosis	<input checked="" type="checkbox"/>
Unavailable for Report	Unavailable for Report	KANDOOK ANAK YOU NYUK FOH @ JOONPOL	WARD FEMALE MEDICAL	Vincristine Sulphate 1mg Injection	2.04 mg	OD (once daily)	Day : 1	03/08/2017	Unavailable for Report	CDR	Diagnosis	<input type="checkbox"/>
Unavailable for Report	Unavailable for Report	KANDOOK ANAK YOU NYUK FOH @ JOONPOL	WARD FEMALE MEDICAL	Methotrexate 500mg/20ml Injection	3600 mg	OD (once daily)	Day : 1	03/08/2017	Unavailable for Report	CDR	Diagnosis	<input type="checkbox"/>

Figure 3.4-1 Authorisation

STEP 1

Click on the 'Order Management' menu and followed by 'Authorisation' sub menu

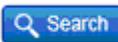
Note

Search patients record by below criteria:-

No	Field	Description	Remark
a	Order By	Prescriber Name	Allow to search by fully or partially entered prescriber name
b	Patient Name	Patient Name	Allow to search by fully or partially entered prescriber name
c	Location	Patient Visit Location	Able to filter and search patient by visit location and prescriber's location
d	Drug Name	Drug Name	Allow to search by fully or partially entered drug name
e	Order Date From	Order confirmed date	Allow to search by start date of order created
f	Order Date To	Order confirmed date	Allow to search by selected duration of order created

Table 3.4-1

STEP 2

Click on  button to search for patient

Note

- Search results of patient record list will display:
 - Order ID
 - MRN
 - Patient Name
 - Location
 - Drug Name
 - Dose
 - Frequency
 - Duration
 - Ordered Date/Time
 - Order By
 - Order Type
 - Authorise

Note

- Click on the **Order ID** hyperlink to view Order Details as shown in Figure 3.4-2.
- Click on the **MRN** hyperlink to view patient Medication Profile as shown in Figure 3.4-3.

ORDER DETAILS

	Age 58 Years 2 Months 14 Days	Gender Female	MRN HPSF0004995
Address	Phone And Email	Diagnosis	No known Allergies
Height 180 cm Weight 69 kg BMI/BSA 21.3 / 1.85 m ² (Last Updated : 26/03/2014) Nationality : Warganegara			

Rx No	WAD 9000000221	Order Type	CDR	Order By	
Order Date	31/03/2014 05:32 PM	Order Location	WAD 9 (MED - P)		

Category	Hematology - NA	Regimen Code	CDRHE00227	Regimen Description	IMVP 16
Cycle Duration	28	No. of Cycles	0	Cycle Start Date	31/03/2014
				Cycle End Date	28/04/2014

Active Ingredient	Default Drug Name	Admin Route	Dosage	Total Dose	Frequency	Chemo day	Drug Remark
Mesna	Mesna 400mg/4ml Inj	Intravenous Infusion	200 mg/m ²	370 mg	TDS	Day: 1,2,3,4,5	

Figure 3.4-2 Order Details

MEDICATION PROFILE

Drug Name	<input type="text"/>	Visit Type	All
Prescription Date From	<input type="text"/>	Prescription Date To	<input type="text"/>
Prescription Status	All	Location	All
Order Type	Normal	<input type="button" value="Search"/>	

Current Medication											
											Encounter No
Previous Medication											
											Encounter No
0058											
Rx No.	Drug Name	Dose	Route	Frequency	Status	Visit Type	Visit Date	Duration	Prescribed Qty	Start Date	End Date
WAD 90000000639	Paracetamol 500 mg Tablet	500 mg	Oral	TDS	ORDERED	Inpatient	26/03/2014	1 Days	3	01/04/2014	02/04/2014
WAD 90000000507	Warfarin Sodium 5 mg Tablet	5 mg	Oral	OD	ORDERED	Inpatient	26/03/2014	1 Days	1	28/03/2014	29/03/2014
WAD 90000000484	Allopurinol 300 mg Tablet	300 mg	Oral	OD	ORDERED	Inpatient	26/03/2014	1 Days	1	27/03/2014	28/03/2014
WAD 90000000469	nIFEDipine 10 mg Tablet	10 mg	Oral	TDS	ORDERED	Inpatient	26/03/2014	2 Days	6	27/03/2014	29/03/2014
WAD 90000000354	ENALApril 10 mg Tablet	10 mg	Oral	OD	PREPARED	Inpatient	26/03/2014	1 Days	1	31/03/2014	01/04/2014
WAD 90000000354	Allopurinol 300 mg Tablet	300 mg	Oral	OD	PREPARED	Inpatient	26/03/2014	1 Days	1	26/03/2014	27/03/2014

Figure3.4-3 Medication Profile

STEP 3

Click on the selected **Patient Name** checkbox

STEP 4

Click on  the button to authorise the drug and an alert message will be displayed as shown in Figure 3.4-4

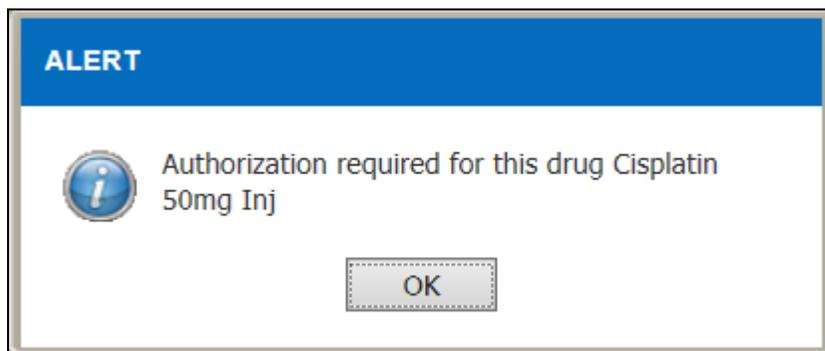
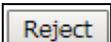


Figure 3.4-4 Alert Message

Note

- Click on the  button to confirm the authorisation.
- Click on  button to reject the authorisation.



4.0 Acronyms

Abbreviation	Definition
PhIS	Pharmacy Information System
CPS	Clinical Pharmacy System
MOH	Ministry Of Health
HQ	Headquarters
CDR	Cytotoxic Drug Reconstitution

5.0 Links to Clinical Modules

No	Module	PDF Links	No	Module	PDF Links
1	<i>Inpatient</i>	Click Here	12	<i>CDR Dispensing</i>	Click Here
2	<i>CDR Order</i>	Click Here	13	<i>Methadone Dispensing</i>	Click Here
3	<i>TDM Order</i>	Click Here	14	<i>PN Dispensing</i>	Click Here
4	<i>PN Order</i>	Click Here	15	<i>Order Management</i>	Click Here
5	<i>IV Order</i>	Click Here	16	<i>Patient Management</i>	Click Here
6	<i>Prepacking</i>	Click Here	17	<i>Radiopharmaceutical</i>	Click Here
7	<i>Galenical</i>	Click Here	18	<i>Outpatient</i>	Click Here
8	<i>MTAC</i>	Click Here	19	<i>Special Drug Request</i>	Click Here
9	<i>ADR & DAC</i>	Click Here	20	<i>MAR</i>	Click Here
10	<i>Medication Counselling</i>	Click Here	21	<i>DICE</i>	Click Here
11	<i>Ward Pharmacy</i>	Click Here	22		