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

User Manual
IV Dispensing

Version	**: 12th Edition**
Document ID	**: U. MANUAL_IV DISPENSING**

Reference ID : U. MANUAL_IV DISPENSING-12th E

Application reference: PhIS & CPS v2.5.1

Table of Contents

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

1.2   Purpose and Objectives

This user manual outlines the IV Dispensing 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:

- Acknowledgement
- Screening & Verification
- Preparation
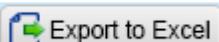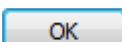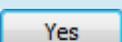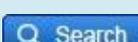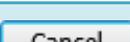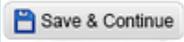- Dispensing
- Release/Discard Medication
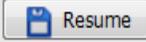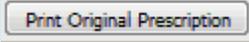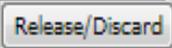
1.3   Organised Sections

These are the sections within this document:
- Section 1 : Introduction
- Section 2 : Application Standard Features
- Section 3 : Order Management-IV Admixture
- Section 4 : Acronyms
- Section 5 : Links to Clinical Modules

2.0   Application Standard Features

2.1   PhIS Legend

Standard Legend			
LOGIN	Login to PhIS	Logout	Logout from PhIS
(icon)	Close All Open Tabs	(icon)	Refresh Screen
+	Expand Menu	−	Collapse Menu
▶	Expand Module	◪	Collapse Module
+	Add/Create New Record	(icon)	Save
X	Close Window	(calendar icon)	Calendar Icon
(print icon)	Save Transaction	(trash icon)	Delete Record
Export to Excel	Export Report From PDF file to Excel file	OK	OK Button
Yes	Yes Button	No	No Button
○	Radio Button	☐	Checkbox
SPUB56565698	System Automatic Generate Record No.	HPSF00088304	Automatically Display/Retrieve Box
C	Reset Login Screen	i	Show Help
Home	Display Home Tab	Q Search	Search Record
⊘	Cancel	(dropdown)	Dropdown Box
(search icon)	Search Icon	*	Mandatory Field
✎	Edit Record	(text box)	Empty Text Box
Cancel	Cancel Button		

IV Dispensing Module Legend

Update	Update Patient's Height and Weight	[printer icon]	Print
Acknowledge	Acknowledge Prescription	[calendar icon]	Calendar
Prepare	Preparation	Save & Continue	Save and Continue
Edit Label	Edit Label	Dispense	Dispense
Resume	Resume	Print Original Prescription	Print Original Prescription
Hold	Hold	Verify	Verification
Confirm	Confirm	Release/Discard	Release/Discard
Re-Dispense	Re-Dispense	Delete	Delete

Note

To learn more about Login Information, kindly click Login Information module for descriptive steps.

3.0   Order Management-IV Admixture

Overview

The IV dispensing module includes implementing safe, organized, and efficient drug-dispensing systems is essential for controlling costs and assuring that the medical prescription is safely followed as requested within the appropriate deadline. An appropriate dispensing system is an important all for the prevention or reduction of medication errors by helping to minimize dispensing error opportunities in a pharmacy. At present there are various types of dispensing systems for medical prescriptions within a hospital

User Group

This module is intended for pharmacist and assistant pharmacist (subject to user assign by the facility)

Functional Diagram
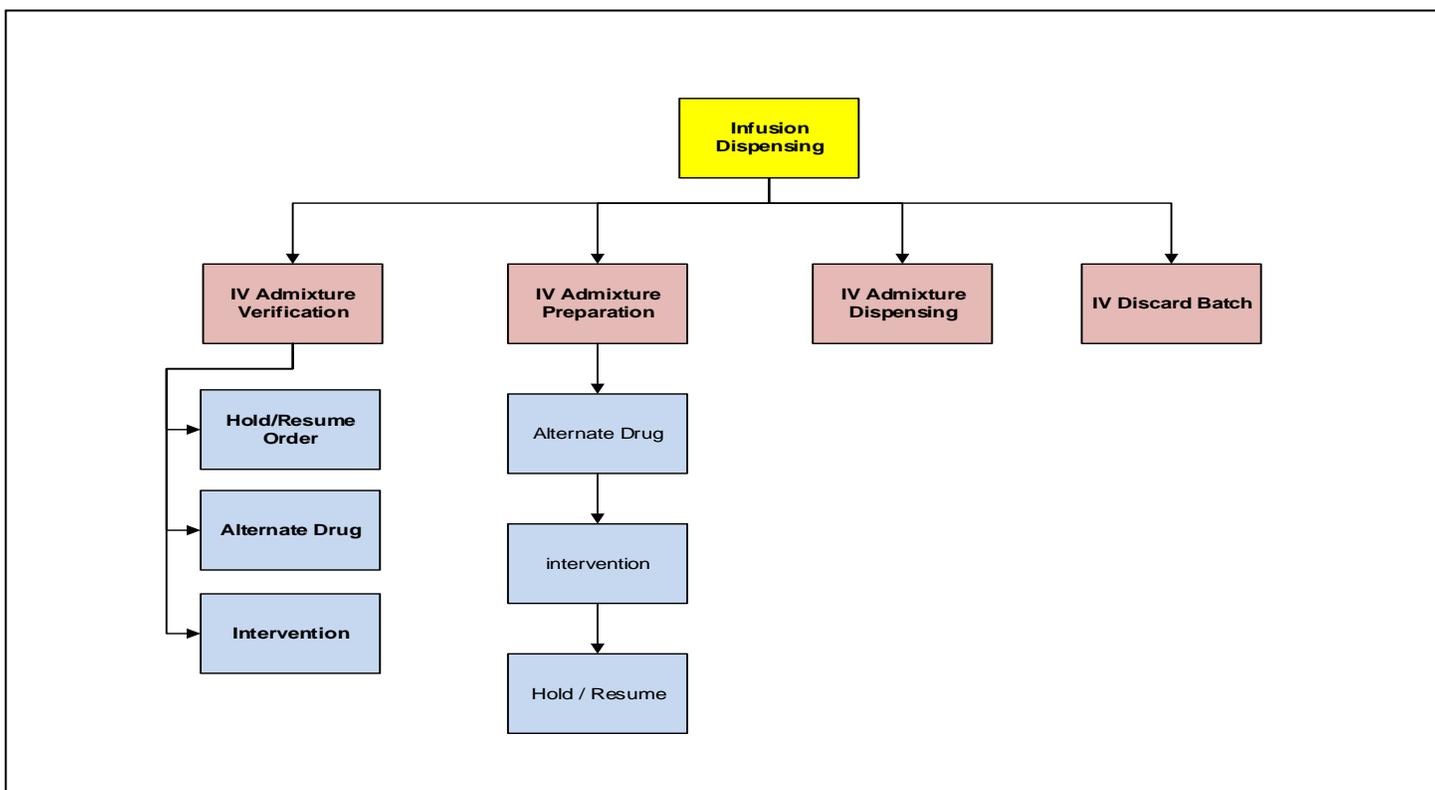
Figure 3.0-1

Functional Description

Admixture comprises of four (4) main functions:

- **Verification**
  Verification is for the pharmacist to verify the prescriptions received from order management. This process is mandatory for all prescriptions receive before the user can proceed with dispensing and preparation. There are also safety systems that warn against toxic doses, allergic and cross-reactions, drug interactions, duplication of therapeutic classes, contraindications, and adverse effects.

- **Preparation**
  The prescription and the drug preparation are made in the system which is integrated with the inventory system. Pharmacists access the system data directly with no need to send files or manual drug labeling.

- **Dispensing**
  The prescription and the dispensing report are made in the system which is integrate with the inventory. system.

- **IV Release / Discard Batch**

  The function allows the user to release or discard the drug reserved for the patient from inventory.
  User able to release or discard the prepared drug when unable to dispense to patient due to several reasons and pharmacist to perform the preparation again after release or discard.

3.1 IV Admixture Verification

This function is used to verify the prescription before preparation and dispensing stage.

Figure 3.1-1 Verification Listing Screen

STEP 1

Click on the 'Pharmacy Transaction' menu followed by 'Dispensing' and select 'IV' sub-menu

STEP 2

Click on 'Verification' sub-menu

STEP 3

Click on the [Search] button to search for patient

Note

Various search criteria are provided as below:
   a) Basic search
   b) Advance search

Figure 3.1-2 Advance Search

Basic Search			
No	**Field**	**Description**	**Remark**
a)	Dispense Location	Dispensing location. (It will list down all active locations)	Able to filter and search patient name by dispensing location
b)	Order Status	- All - New Orders - Outsourced Orders	Search by order status
c)	IC No/Other Identification	IC No/Other Identification	Able to search patient based on MYKAD/MYKID and others identification.
d)	Patient Name	Patient Name	Allow to search by full or partial patient name
e)	Patient MRN	Patient Medical Record Number	Search option: • Type the MRN either in full or partially: *Example : HPSF00001234 or "1234"*
Advance Search			
f)	Order Location Type	- Order location type (It will list down all active location types)	Able to filter and search patient name by order location type
g)	Order Date from	Order confirmed date	Allow to search by start date of order created
h)	Order Location To	It will list down all active locations	Able to filter and search patient name by order location
i)	Order Date To	It will list down all active location	Able to filter and search patient name by order location.

Table 3.1-1

Note
Search results of patient record list will display:
- *Patient MRN*
- *Patient Name*
- IC No/Other Identification
- *Order Date*
- *Status*

Patient MRN	Patient Name	IC No/Other Identification	Order Date/Time	Order Location	Status
HMIRI00270118	YXXX XXXX XXX		06/09/2019 09:22	WARD FEMALE MEDICAL	ORDERED
HMIRI00101835	CXXX XXX XX		25/09/2015 09:03	WARD FEMALE MEDICAL	ORDERED
HMIRI00135394	DXX XXXXX XX XXXX		24/08/2015 20:20	WARD FEMALE SURGICAL	ORDERED
HMIRI00135302	PXXX XX XXXXX XXXXX		24/08/2015 17:36	WARD FEMALE SURGICAL	ORDERED

Figure 3.1-3 Verification Listing Screen

STEP 4

Double click on the selected patient

Figure 3.1-4 Verification Listing Screen

STEP 5

Click on the [✔ Verify] button and system will display alert message as show in per Figure 3.1-5

Note

- *User have the option to* [Print Original Prescription] .
- *Double click on the selected drug to view order details.*

Figure 3.1-5 Verification Alert Message

STEP 6

Click on the [Yes] button to proceed with verfication

3.1.1 Hold/Resume Order

This function allows Pharmacist to hold medication from being prepared or dispense; the user may resume the medication order to continue dispensing.

Figure 3.1.1-1 Prescription Listing Screen

Note
To Hold/Resume order, repeat as in Verification process from **Step 1** *to* **4.**

Hold Order

STEP 1
Right click on the ▼ button and select ***Hold Order***
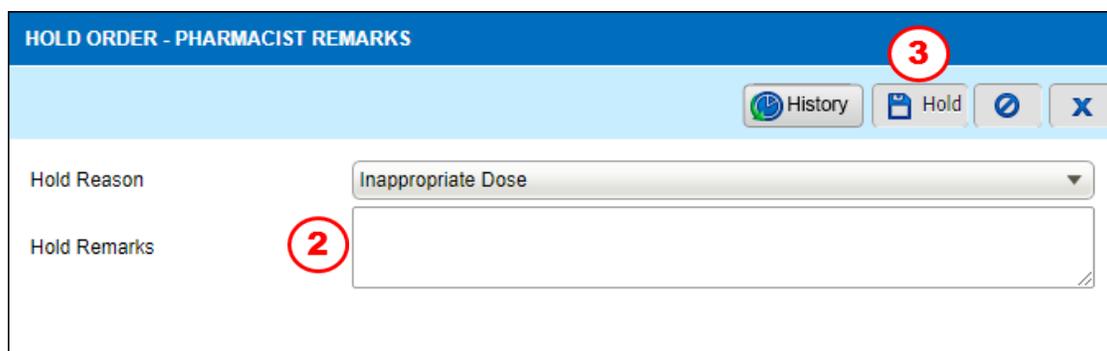
Figure 3.1.1-2 Hold Order Screen

STEP 2
Select *Hold Reason* from drop down box:
- Patient Refused
- Intervention
- Others
- Suggest to Monitor Vital Signs/Lab Result
- Incompatibility
- Authenticity
- Contraindication
- Drug Interaction
- Polypharmacy

- Wrong Patient
- Inappropriate Dose
- Inappropriate Drug
- Inappropriate Duration
- Inappropriate Frequency

STEP 3

Click on the [Hold] button to proceed with hold transaction
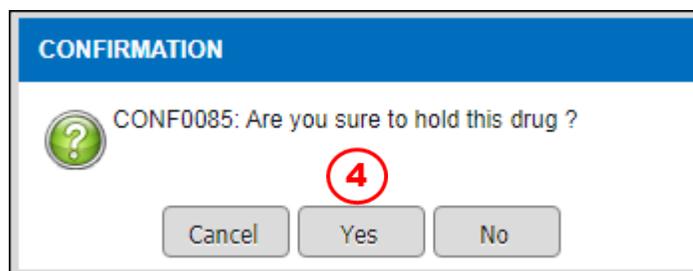
Figure 3.1.1-3 Hold Order Screen

STEP 4
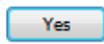
Click on the [Yes] button to confirm the hold order

Figure 3.1.1-4 Prescription Listing Screen

Resume Order

STEP 1

Click on the ▼ button and select **Resume Order**
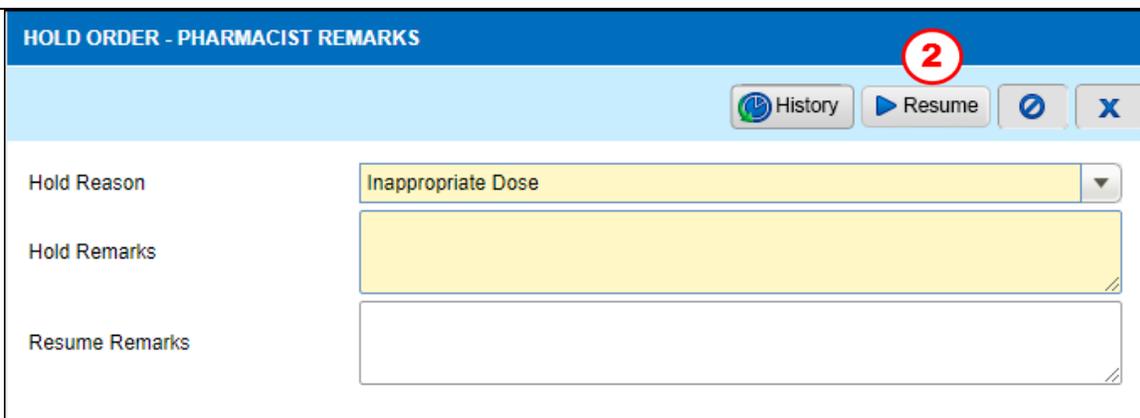
Figure 3.1.1-5 Hold Order Screen

STEP 2

Click on the ▶ Resume button to resume hold order
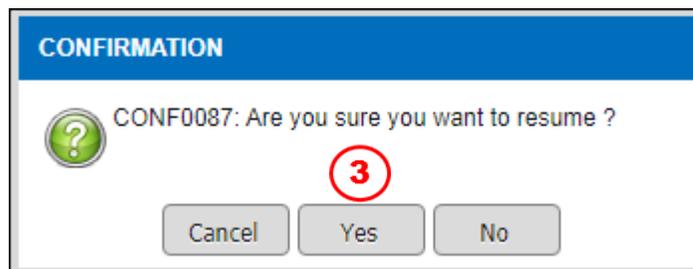
Figure 3.1.1-6 Hold Order Screen

STEP 3

Click on the Yes button to release drug from hold

3.1.2 Alternate Drug

This function allow user to select different drugs with the same active ingredient and same administration route.

Figure 3.1.2-1 Prescription Listing Screen

___

Note

To create Alternate drug record repeat as Verification process from **Step 1** *to* **4**.

STEP 1

Right click on the ▼ button and select Alternate Drug

Note

Alternate drug screen consist of three (3) sections:
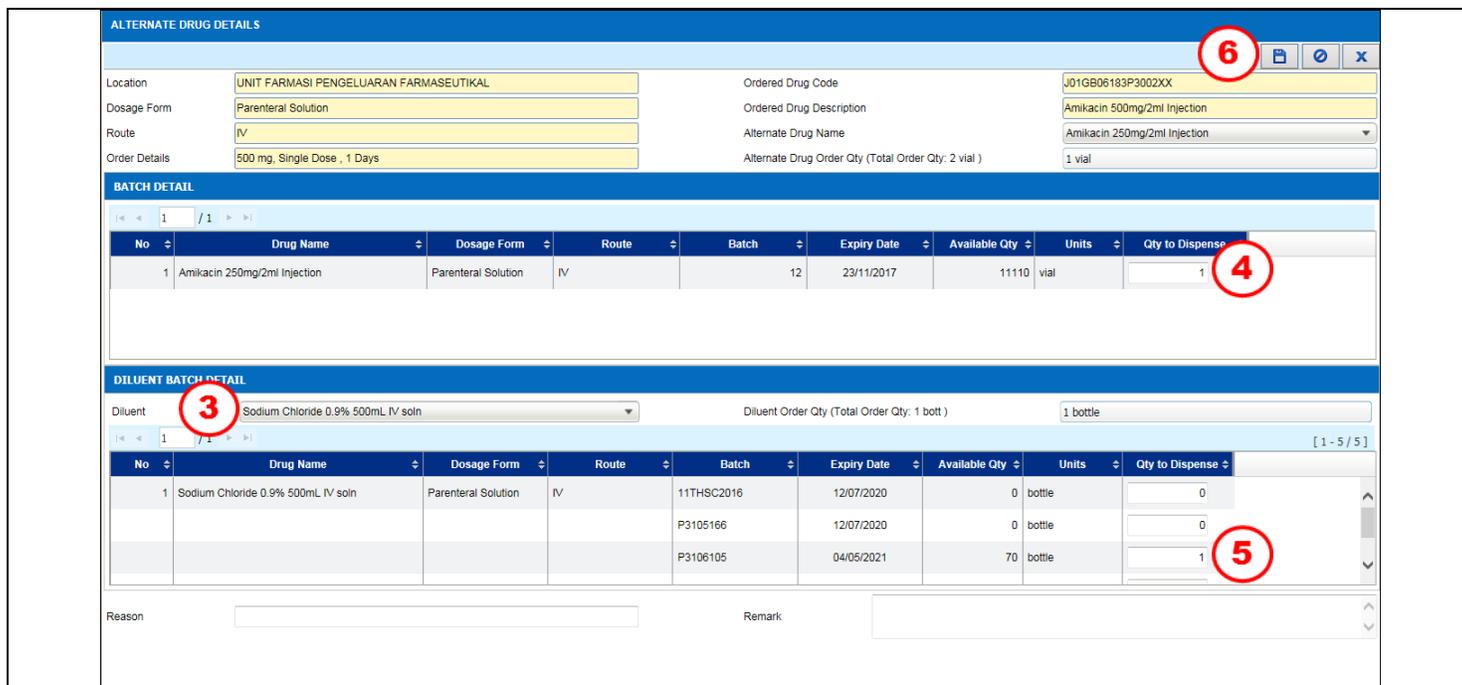 a) *Alternate Drug Detail*
    • ***Location, Dosage Form, Route, ordered drug Code, Ordered Drug Description, Alternate Drug Name*** *will be retrieved from medication order and drug master setup.*
  b) *Batch Details*
    • *Selected drug name will be listed based on drug master setup.*
  c) *Diluent Batch Detail*
    • *Selected drug name will be listed based on drug master setup.*

Figure 3.1.2-2 Alternate screen

STEP 2
Select **Alternate Drug Name** from dropdown box

Note

Alternate drug screen consists of three (3) sections:
  a) *Alternate Drug Detail*
    - ***Location, Dosage Form, Route, Ordered Drug Code, Ordered Drug Description, Alternate Drug Name** will*
      be retrieved from *medication order and drug master setup.*

  b) *Batch Details*
    - *Selected drug name will be listed based on drug master setup.*

  c) *Diluent Batch Detail*
      Selected drug name will be listed based on drug master setup.

Figure 3.1.2-3 Alternate screen

STEP 3
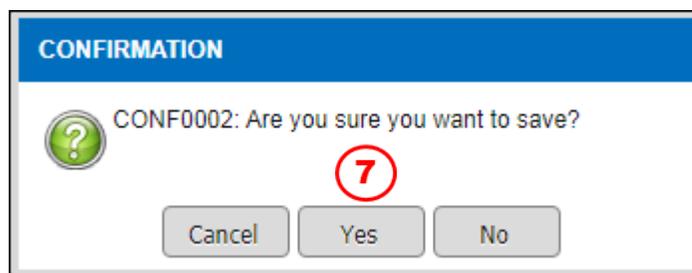Select **Diluent** from dropdown box

STEP 4
Enter quantity to dispense under **Batch Detail** section

STEP 5
Enter quantity to dispense under **Diluent Batch Detail** section

STEP 6
Click on the [💾] button to confirm alternate drug

Figure 3.1.2-4 Prescription Listing Screen After Done Alternate

STEP 7
Click on the [Yes] button to save record

Note
- *Value of **Alternate Drug Name** and **Diluent** from dropdown menu will be defined in drug master setup.*

- *Batch Detail will display the earliest expiration date.*

- *After completing the alternate drug selected, the drug will change to green colour as shown in figure 3.1.2-5.*

	Alert	Drug/Diluent Name	Dose	Dose Qty	Order Details	Total Order Qty	No. of Dose	Prepare Qty	Bal Qty	Prepare Admixture	Prev Disp Qty	Remarks	Status	Drug Info
▼	Drug Interaction	Amikacin 500mg/2ml Injection / Sodium Chloride 0.9% 500mL IV soln	500 mg		1 mg/ml, Single Dose , 1 Days	0 vial / 0 bott	0	0 vial / 0 bott	1 vial / 1 bott		0 vial / 0 bott	▶ Remarks	VERIFIED (PA)	Drug Info
		Amikacin 250mg/2ml Injection / Sodium Chloride 0.9% 500mL IV soln		4 ml / 500 ml		2 vial / 1 bott		1 vial / 1 bott		☐ Details				

PRESCRIPTION ✔ Verify | ◄ 1 / 1 ► | [1 - 2 / 2]

Figure 3.1.2-5 Prescription Listing Screen After Done Alternate

3.1.3 Intervention

This function allow user to modify drugs details frequency, duration and form. This function is available in verification screen and preparation screen.

Figure 3.1.3-1 Prescription Listing Screen

Note
*To perform Intervention repeat as in Verification process from **Step 1** to **4**.*

STEP 1
Right click on the ▼ button and select **Intervention**

Figure 3.1.3-2 Intervention Screen

STEP 2

Select **Intervention Reason** from drop down box
- Authenticity
- Contraindication
- Drug Interaction
- Inappropriate Dose
- Inappropriate Drug
- Inappropriate Duration
- Inappropriate Frequency
- Incompatibility
- Others
- Polypharmacy
- Suggest to Monitor Vital Signs/Lab Result
- Wrong Patient

STEP 3

Select on **Accepted** radio button under Intervention Status

Note

*Pharmacist will select the **Intervention Status** radio button after confirming the intervention status with prescriber.*

STEP 4

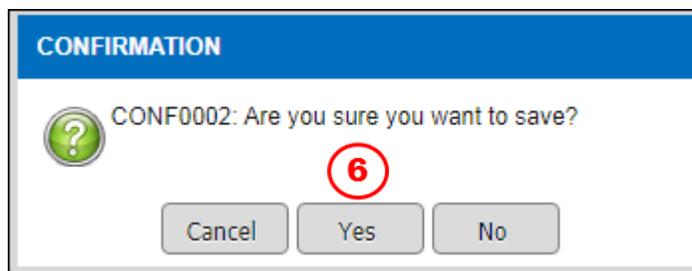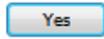Change Modify Order details as required

STEP 5

Click on the [Confirm] button to save the changes

CONFIRMATION

CONF0002: Are you sure you want to save?

6

Cancel   Yes   No

Figure 3.1.3-3 Alert Message

STEP 6

Click on the [Yes] button to confirm the intervention

	Alert	Drug/Diluent Name	Dose	Dose Qty	Order Details	Total Order Qty	Remarks	Status	Drug Info
▼	Drug Interaction	Cefuroxime 750mg Injection	800 mg	6.4 ml	8 mg/ml, Q8H , 6 Days	36 vial	Remarks	DRAFT	Drug Info
		Sodium Chloride 0.9% 100mL IV soln		100 ml		18 bott			

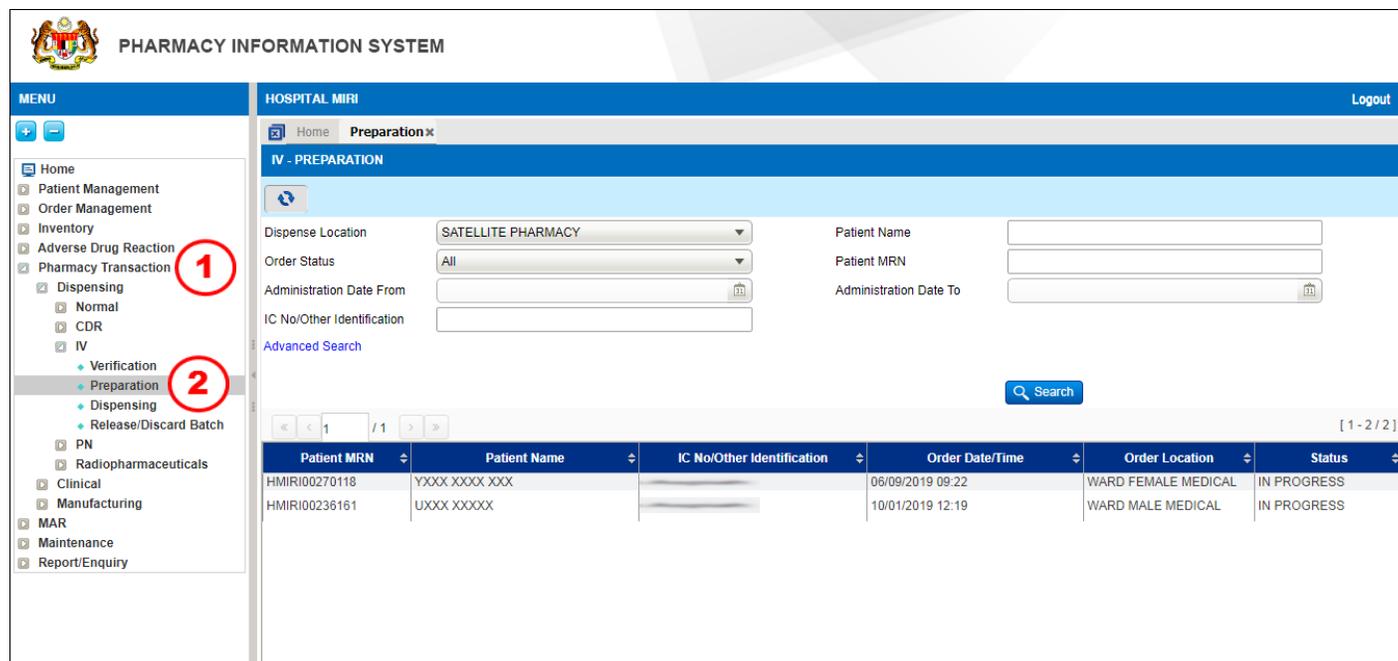**Figure 3.1.3-4 Prescription Listing Screen After Done Intervention**

Note

- *After intervention is made, Order Details column will changed to blue hyperlink. User may click to view the original order details.*

- *Order details will displayed as show in per Figure 3.1.3-5*

ORIGINAL RX

| Drug Code: | J01DC02520P4002XX | | Default SKU: | vial |
| Drug Name: | Cefuroxime 750mg Injection | | | |

Dose	Frequency	Duration	Start Date	End Date	Intervention Reason	Other Reason	Infuse Over	Diluent	Diluent Volume	Infusion Rate
750 mg	Q8H	7 Days	08/10/2019	15/10/2019	Others, Others	test	30 Minutes	Sodium Chloride 0.9% 100mL IV soln	100 ml	3.33 ml/Min

Dose	Frequency	Duration	Start Date	End Date	Infuse Over	Diluent	Diluent Volume	Infusion Rate
800 mg	Q8H	6 Days	08/10/2019	14/10/2019	30 Minutes	Sodium Chloride 0.9% 100mL IV soln	100 ml	3.33 ml/Min

Figure 3.1.3-5 Original Rx Screen

3.2 IV Admixture Preparation
This function is used to record preparation of IV before the dispensing stage.

Figure 3.2-1 Preparation Listing Screen

STEP 1
Click on 'Pharmacy Transaction' menu followed by 'Dispensing' and select sub-menu 'IV'

STEP 2
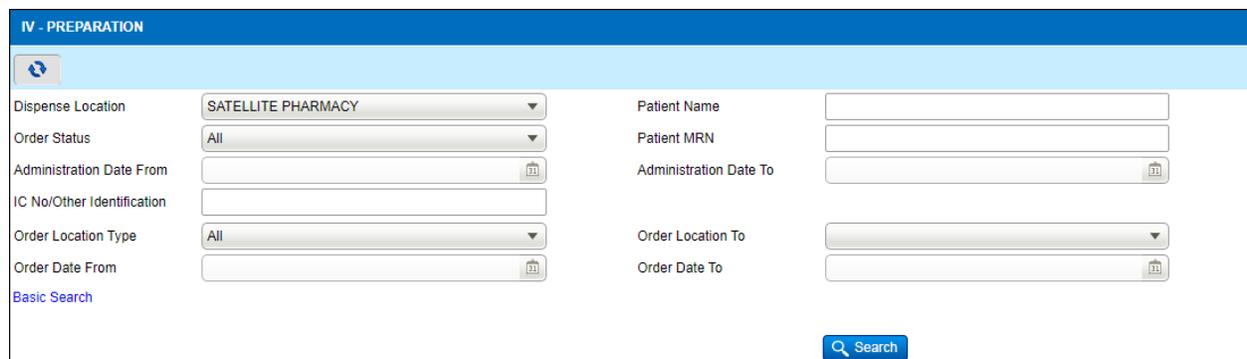Click on 'Preparation' sub-menu

Note
Various search criteria are is provided as below:
  a) Basic search
  b) Advance search

Figure 3.2-2 Advance search

Advance Search			
N o	**Field**	**Description**	**Remark**
a)	Dispense Location	Dispensing location. (It will list down all active locations)	Able to filter and search patient name by dispensing location
b)	Order Status	All New Orders Outsourced Orders	Able to filter status prescription by order status
c)	Patient Name	Patient Name	Allow to search by full or partial patient name
d)	Patient MRN	Patient Medical Record Number	Search option: • Type the MRN either in full or partially: *Example : HPSF00001234 or "1234"*
e)	Administration Date From	Administration Date From	Able to search date before
f)	Administration Date To	Administration Date To	Able to search date current
g)	IC No/Other Identification	IC No/Other Identification	Able to search patient based on MYKAD/MYKID and others identification.
Advance Search			
h)	Order Location Type	- Order location type (It will list down all active location types)	Able to filter and search patient name by order location type
i)	Order Date from	Order confirmed date	Allow to search by start date of order created
j)	Order Location To	It will list down all active location	Able to filter and search patient name by order location
k)	Order Date To	Order confirmed date	Allow to search by selected duration of order created

Table 3.2-1

Note
Search result of patients record list will display:
- *Patient MRN*
- *Patient Name*
- *IC No/Other Identification*
- *Order Location*
- *Order Status*
- *Administration Date From*
- *Administration Date To*

Figure 3.2-3 Preparation Listing Screen

STEP 3

Click on the [Search] button to search for patient

STEP 4
Double click on the selected patient

Figure 3.2-4 Prescription Listing Screen

Note
- **Dose Qty** column will be automatically calculated based on drug and diluent volume.

- **Total Order Qty** is the total no. of drugs needed for preparation.

- **No of Dose** is no of dose(s) to be prepared.

STEP 5
Click on **Prepare Qty** "0" hyperlink to perform the allocation from displayed window as show in Figure 3.2-5
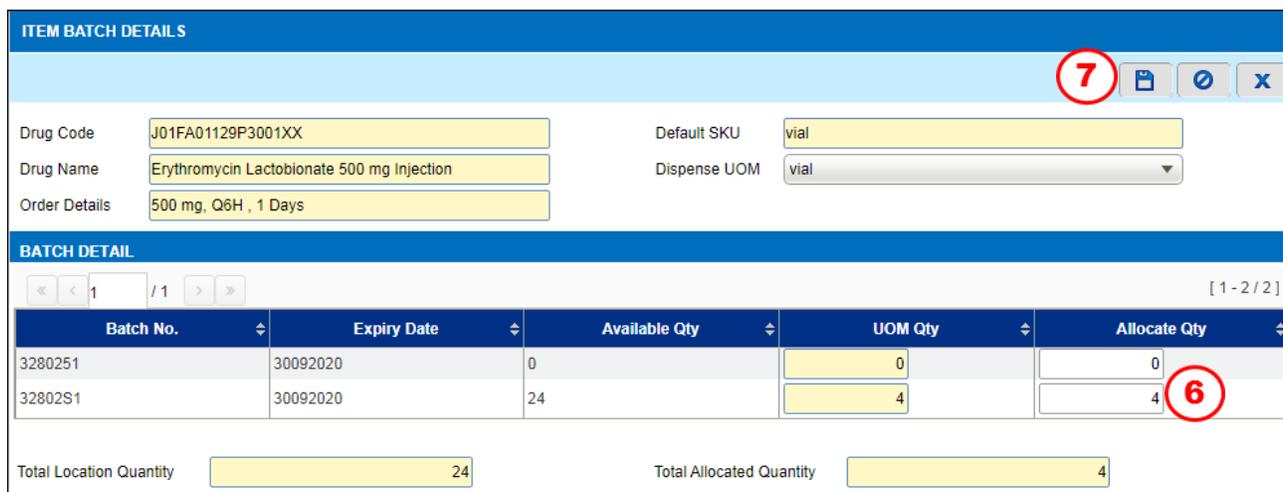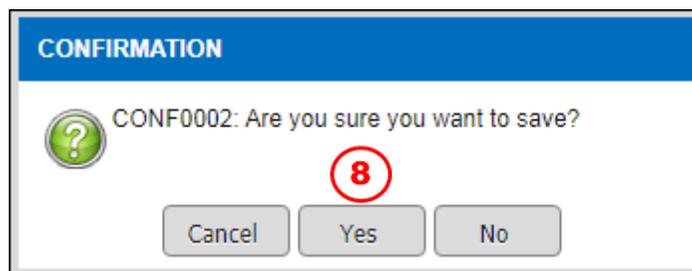

Figure 3.2-5 Allocation Screen

STEP 6
Click on selected Batch and enter **Allocate Qty**

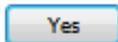### STEP 7
Click on the 🖫 button to proceed with allocation

Figure 3.2-6 Preparation Screen

STEP 8
Click on the [Yes] button to save and close the window

STEP 9
Select on the ☑ **Details** checkbox on **Prepare Admixture** column

Figure 3.2-7 Preparation Listing Screen

Note
After selecting the ✔ **Details** checkbox a pop-up window will appear as show in Figure 3.2.8.

Figure 3.2-8 Preparation Details Screen

STEP 10
Select the applicable ✔ **Storage** checkboxes
Below/Refrigerate/Protected From Light Or Room Temperature

STEP 11
Enter **Reconstitution Fluid** & **Preparation Instruction** if applicable

STEP 12
Click on the 🖫 button to save record

Note
- *Storage condition, reconstitution fluid and preparationinstruction will default value as setup in Drug Master (if any).*
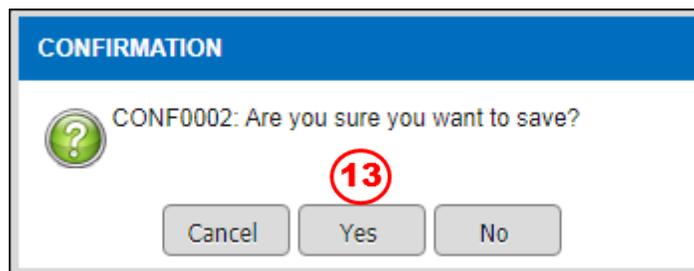
Figure 3.2-9 Preparation Details Screen

STEP 13

Click on [Yes] button to confirm saving of preparation details

Figure 3.2-10 Preparation Listing Screen

STEP 14

Click on the [Worksheet] button to view and print

IV WORKSHEET

MINISTRY OF HEALTH

Hospital Miri

| Date of preparation : | 06/09/2019 | | | | | | | Worksheet Id: | 19-09-0001 | | | |

MRN	HMIRI00270118							Name	YXXX XXXX XXX			
ID No	760905136124							Rx. No.	FMW0000954203			
Order Location	WARD FEMALE MEDICAL							Ordered By				
Order Date	06/09/2019											

			Material Used									Storage
No	ROA	Preparation Name	Ingredient Name	Dose	Dose Volume	No of Dose	Total Qty	Preparation Qty	Batch No	Expiry Date		
1	INF	Erythromycin 1 mg/ml	Erythromycin Lactobionate 500 mg Injection	500 mg	20 ml	4	80 ml	4 vial	32802S1	30/09/2020		"Refrigerate (2 - 8 °C)", Protect from Light
			20ml WFI									
			Sodium Chloride 0.9% 500mL IV soln		500 ml		2000 ml	4 bott	23e423423	02/01/2021		

Instruction: Please Refer to SOP

Reference:

Worksheet generated by	Worksheet & label checked	Prepared by	Final Product Checked by	Supervised by
Date: 06/09/2019	Date:	Date:	Date:	Date: 06/09/2019

Figure 3.2-11 Worksheet

Figure 3.2-12 Preparation Listing Screen

STEP 15

Click on [Label] button and a window will display as show in Figure 3.2-13
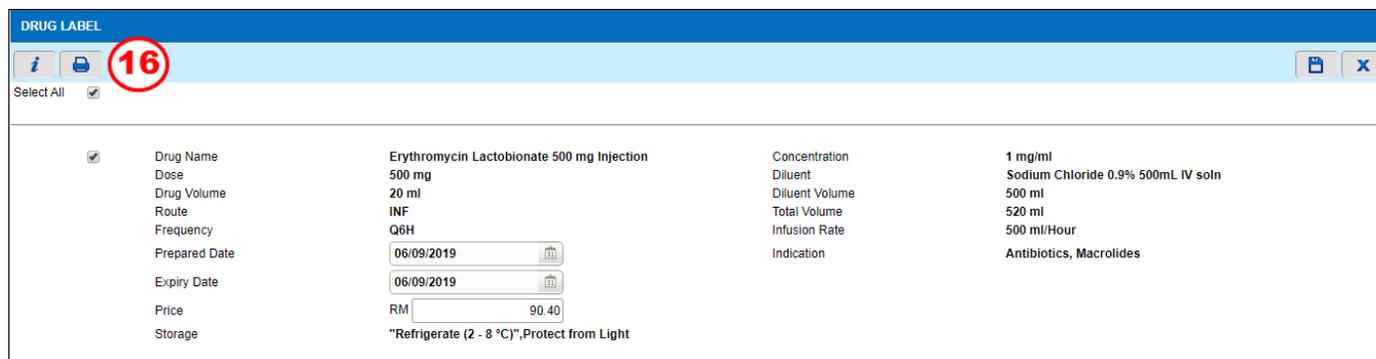
DRUG LABEL				
_i_ 🖨 **16**				💾 X
Select All ☑				

☑ Drug Name	Erythromycin Lactobionate 500 mg Injection	Concentration	1 mg/ml
Dose	500 mg	Diluent	Sodium Chloride 0.9% 500mL IV soln
Drug Volume	20 ml	Diluent Volume	500 ml
Route	INF	Total Volume	520 ml
Frequency	Q6H	Infusion Rate	500 ml/Hour
Prepared Date	06/09/2019	Indication	Antibiotics, Macrolides
Expiry Date	06/09/2019		
Price	RM 90.40		
Storage	"Refrigerate (2 - 8 °C)",Protect from Light		

Figure 3.2-13 Drug label

STEP 16

Click on the 🖨 button to print drug label will display as shown in Figure 3.2-14

IV Admixture Pharmacy
Hospital Pakar Sultanah Fatimah, Muar

LXXX XXXX XXX

HKL000009   Farmasi Klinik Pakar   ————————

Drug Name:	Adrenaline 1 mg/ml Injection	Bed No:

Dose:	3 mg / 3 ml	(Conc: 0.01 mg/ml)
	in 500 ml	Sodium Chloride 0.9% with Dextrose 5%

Route:	INF	Freq: Single Dose	Infuse Rate: 0 ml/Min

Prepared Date:	09/10/2019	Exp Date:	09/10/2019

Indication: Cardiac Stimulants Excl. Cardiac   Price: RM 1.00

Storage:

Figure 3.2-14 Label

<u>**Note**</u>

Select All ☑ checkbox allow users to print all drug labels in the selected prescription.

Figure 3.2-15 Preparation Screen

STEP 17

Click on the [Prepare] button to proceed with preparation

Note

*After allocating the quantity, **Prepare Qty** column will retrieve the reserved quantity from item batch.*

Figure 3.2-16 Preparation Screen

STEP 18
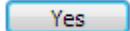
Click on the [Yes] button to proceed with dispensing

3.3   IV Admixture Dispensing

This function allows user to record dispensing, to hold, resume and reprint drug label

Figure 3.3-1 Dispensing Listing Screen

STEP 1
Click on 'Pharmacy Transaction' menu followed by ' Dispensing' and select 'IV' sub-menu

STEP 2
Click on 'Dispensing' sub-menu

Note
Various search criteria are provided as below :
    a) Basic search
    b) Advance search

Figure 3.3-2 Dispensing Listing Screen

Basic Search			
N o	**Field**	**Description**	**Remark**
a)	Dispense Location	Dispensing location. (It will list down all active locations)	Able to filter and search patient name by dispensing location
b)	Order Status	All New Orders Outsourced Orders	Able to filter status prescription by order status
c)	Patient Name	Patient Name	Allow to search by full or partial patient name
d)	Patient MRN	Patient Medical Record Number	Search option: • Type the MRN either in full or partially: *Example : HPSF00001234 or "1234"*
e)	IC No/Other Identification	IC No/Other Identification	Able to search patient based on MYKAD/MYKID and others identification.
Advance Search			
f)	Order Location Type	- Order location type (It will list down all active location types)	Able to filter and search patient name by order location type
g)	Order Date from	Order confirmed date	Allow to search by start date of order created
h)	Order Location To	It will list down all active location	Able to filter and search patient name by order location
i)	Order Date To	Order confirmed date	Allow to search by selected duration of order created

Table 3.3-1

Note
Search results of patient record list will display:
- *Patient MRN*
- *Patient Name*
- *IC No/Other Identification*
- *Order Date*
- *Order Location*
- *Status*

STEP 3

Click on the [🔍 Search] button to search for patient

STEP 4
Double click on the selected patient

Figure 3.3-3 Dispensing Screen

STEP 5

Click on the [Dispense] button and system will open a new window as show in Figure 3.3-5

Figure 3.3-5 Conformation Screen

STEP 6

Click on the [Yes] button to dispense as Figure 3.3-5

Note
User may record the collectors name. Example the nurse in charge on the day.

3.4 IV Discard Batch

This function is used by the pharmacist to discard the IV admixture that has been prepared at the preparation stages. The drug and diluents quantity will be deducted from the inventory.

Figure 3.4-1 Discard Batch screen

STEP 1
Click on 'Pharmacy Transaction' menu followed by ' Dispensing' and select 'IV' sub-menu

STEP 2
Click on 'Release and Discard Batch' sub-menu

Note
Various search criteria is provided as below

No	Field	Description	Remark
a	MRN	Patient Medical Record Number	Search option: • Type the MRN either in full or partially: *Example : HPSF00001234 or "1234"*
b	Patient Name	Patient Name	Allow to search by t full or partial patient name
c	Drug Name	Drug Name	Generic name
d	Dispense Location	Dispensing location. (It will list down all active locations)	Able to filter and search patient name by dispensing location
e	Preparation Date From	Preparation Date From	Able to search date before
f	Preparation Date To	Preparation Date To	Able to search current date
g	IC No/Other Identification	IC No/Other Identification	Able to search patient based on MYKAD/MYKID and others identification.

Table 3.4-1

Note

Search results of patient record list will display:
- *Select*
- *MRN*
- *Patient Name*
- *IC No/Other Identification*
- *Drug Name*
- *Medication Order No*
- *Preparation Date*
- *Prepared Qty*
- *Status*
- *Reason For Discard*

STEP 3

Click on the [Q Search] button

STEP 4

Select ☑ checkbox to Release/discard from the listed drug

STEP 5

Select Reason for Release/Discard from the dropdown box options:
- Change of Regimen
- Faulty Product
- Intervention
- Patient Refused
- Uncollected
- Wrong Allocation

STEP 6

Click on the Release or Discard button to proceed with release/discard

Note

Once the drug is already discard, it will display back in the Preparation screen for re-allocation of a new batch quantity.

4.0   Acronyms

Abbreviation	Definition
MOH	Ministry Of Health
PhIS	Pharmacy Information System
CPS	Clinical Pharmacy System
MRN	Medical Record Number
IV	Intravenous
HQ	Headquarters
INJ	Injection
QTY	Quantity
LAB	Laboratory

5.0   Links to Clinical Modules

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