



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

User Manual Integrated Web Portal (IWP) Maintenance - Pharmacy

Version	: 12th Edition
Document ID	: HQ_U.MANUAL_IWP_MAINTENANCE_PHAR



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Reference ID : HQ_U.MANUAL_IWP_MAINTENANCE_PHAR-12th E

Application reference: PhIS & CPS v2.5.1

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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 that geared toward pharmacy excellence. This implementation would transform most of the current manual process to electronic system would benefit facility end user in the health care sector.

There are 12 modules to assist service 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 Card (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 IWP (Maintenance Pharmacy) sub-module and its key features and functionalities. The primary objective is to guide users through the process of completing PhIS application process.

User will understand the following activities in details:

- Create a new maintenance Pharmacy
- Edit a Maintenance Pharmacy

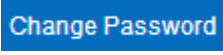
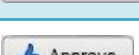
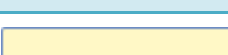
1.3 Organised Sections

These are the sections within this document:

- Section 1: Introduction
- Section 2: Application Standard Features
- Section 3: Maintenance Pharmacy
- Section 4: Acronyms
- Section 5 : Link to IWP Modules

2.0 Application Standard Features

2.1 PhIS Legend

Standard Legend			
	Login to PhIS		Logout from PhIS
	Change Login Password		Reset Login Screen
	Expand Menu		Collapse Menu
	Display Home Tab		Expand Module
	Collapse Module		Close All Open Tabs
	Refresh Screen		Search Record
	Add/Create New Record		Show Help
	Print		Mandatory Field
	Calendar Icon		Search Icon
	Close Window		Radio Button
	Checkbox		Edit Record
	Cancel		Delete Record
	Save		Export and Open Report in Excel Format
	Add Item to the list		Delete Item from the list
	Request for Approval		Cancel the Request
	Approve Transaction		Reject Transaction
	Send for Approval		Dropdown Box
	Automatically Display/Retrieve Box		Empty Text Box

Note

- To learn more about Login Information, kindly click [Login Information](#) Modules for descriptive step.

3.0 Maintenance - Pharmacy

Overview

Application maintenance describes the relationship, details of the data flow for each function, the details validation and data/information that required being setup for system purpose. The module will provide a portal for configuration guide for the user which describe the basic and advance featured available on the system. This featured allow user to view and modify existing record and also create new record for each module. This application enables the facility to perform any modification to existing setting.

User Group

This module is intended for BPF users (subject to user assigned by the BPF)

Functional Diagram

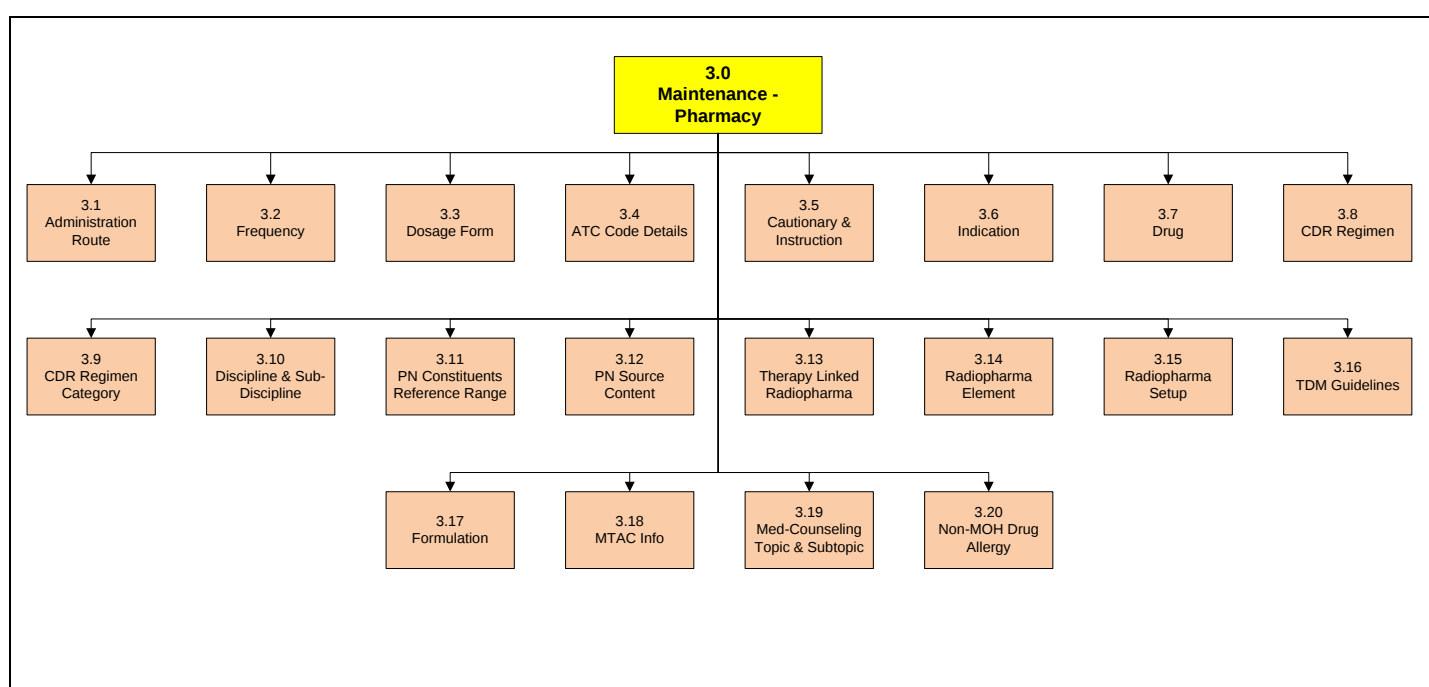


Figure 3.0

Maintenance Pharmacy Setup module (HQ) comprised of:

- Administration Route**
Allows user to create or modify administration route records. The administration Route records will be used by Drug Master, Order Management, Inpatient Pharmacy and Outpatient Pharmacy in PhIS system.
- Frequency master**
Frequency is number of times that drug occurs within a given period or per day. The number of drug order and dispense is an interval of a frequency distribution. Facility user is able to view existing record for frequency master details done by HQ in system.
- Dosage Form**
Allows user to create or modify dosage form records. The dosage form records will be used for Inventory, Drug Master, Order Management, Inpatient Pharmacy and Outpatient Pharmacy in PhIS system.
- Active Ingredient**
Active ingredients are components in a drug that provide some pharmaceutical value, in contrast with the inactive ingredients, which act as carriers to make the drug easier for the body to process.

- **ACT Code details**

The Anatomical Therapeutic Chemical (ATC) Classification System is used for the classification of drugs. This pharmaceutical coding system divides drugs into different groups according to the organ or system on which they act on their therapeutic and chemical characteristics. One drug can have more than one code: several different brands share the same code if they have the same active substance and indications. Facility user is able to view existing record for ATC code details done by HQ in system

- **Cautionary & Instruction**

Cautionary are intended to warn or advice to beware about drug, or when taking drug. Instruction intended to advice about drug or way to take drug

- **Indication**

An indication is a valid reason to use a certain test, medication, procedure, or surgery. Indicated as necessary or expedient, as in the administration of a drug. System will suggest the proper treatment of a disease as that demanded by its cause or symptoms.

- **Drug**

Drug is natural or synthetic substance which taken into a living body affects its functioning or structure, and is used in the diagnosis, mitigation, treatment, or prevention of a disease or relief of discomfort.

Drug screen allows user facility user to view and to modify drug master records. The Drug records will be used for Inpatient Pharmacy, Outpatient Pharmacy, Medication Order and Manufacturing modules in system.

- **CDR Regimen Master**

Cytotoxic Drug Reconstitution (CDR) an anticancer drug which acts by killing or preventing the cell division. Any program (including drugs) that regulates aspects of one's lifestyle for a hygienic or therapeutic purpose; a program of treatment. System able to view apply treatment plan that specifies the dosage, the schedule, and the duration of Treatment, regimen code, regimen Status, regimen description, category, sub-category, cycle duration, no of cycles and remarks of the regimen if any while creating a new regimen. CDR Regimen Master setup by HQ.

- **CDR Regimen Category**

Cytotoxic Drug Reconstitution (CDR) regimen is a plan a regulated medical treatment designed to give a positive result. CDR regimen categories are Hematology, Oncology, Pediatric and others. Category is important, in order to prepare the regimen for CDR treatment. Facility user able to view category and regimen type in system.

- **Prescriber**

Is a person give directions, either orally or in writing, for the preparation and administration of a remedy to be used in the treatment of any disease System will create new register number for prescriber using system. Record prescriber details in system. Facility user able to edit and save record.

- **Discipline & Sub-Discipline Master**

Discipline and sub-discipline are facility department responsible for the administration of functions and activities pertaining to the delivery of medication treatment. System will be setup by HQ according to based on facility setup.

- **PN Constituents Reference Range**

Parenteral Nutrition (PN) is used for patients who cannot or should not get their nutrition through eating. PN may include a combination of sugar and carbohydrates (for energy), proteins (for muscle strength), lipids (fat), electrolytes, and trace elements. Nutrients may contain all or some of these substances, depending on your condition. PN Constituents screen able facility user to view combination and definition of nutrients.



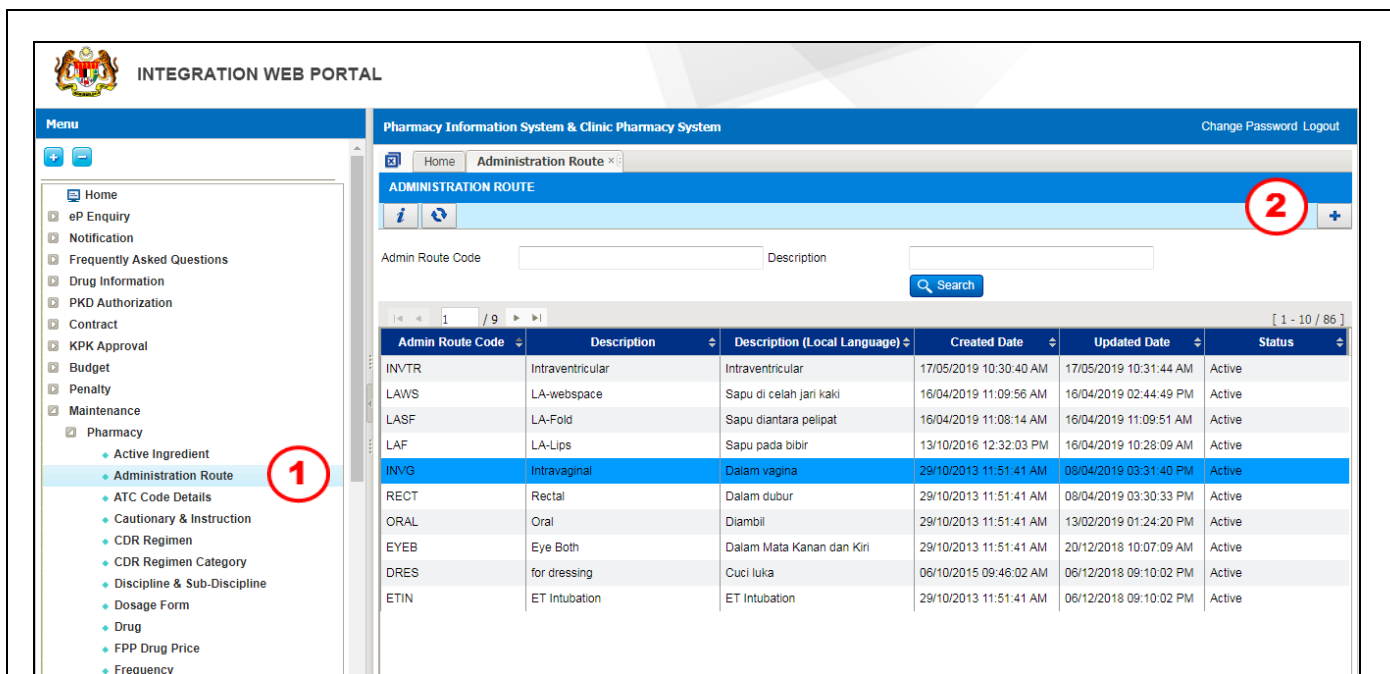
- **PN Source Contents**

The screen allows defining the value for the PN Generics content and value of calculation from ordering unit to volume unit. HQ setup will be based on the value and unit for each of ingredient based on type of PN Generics. On change of Generics, the list of Ingredients will change accordingly facility user able to select drug name and PN Type and view PN source content.

3.1 Administration Route

3.1.1 Create New Administration Route

To Create New Administration Route records, perform the steps below:



Integration Web Portal

Menu

- Home
- eP Enquiry
- Notification
- Frequently Asked Questions
- Drug Information
- PKD Authorization
- Contract
- KPK Approval
- Budget
- Penalty
- Maintenance
 - Pharmacy
 - Active Ingredient
 - Administration Route
 - ATC Code Details
 - Cautionary & Instruction
 - CDR Regimen
 - CDR Regimen Category
 - Discipline & Sub-Discipline
 - Dosage Form
 - Drug
 - FPP Drug Price
 - Frequency

Pharmacy Information System & Clinic Pharmacy System

Change Password Logout

Home Administration Route

ADMINISTRATION ROUTE

Admin Route Code Description Search

Admin Route Code	Description	Description (Local Language)	Created Date	Updated Date	Status
INVTR	Intraventricular	Intraventricular	17/05/2019 10:30:40 AM	17/05/2019 10:31:44 AM	Active
LAWS	LA-webpace	Sapu di celah jari kaki	16/04/2019 11:09:56 AM	16/04/2019 02:44:49 PM	Active
LASF	LA-Fold	Sapu diantara pelipat	16/04/2019 11:08:14 AM	16/04/2019 11:09:51 AM	Active
LAF	LA-Lips	Sapu pada bibir	13/10/2016 12:32:03 PM	16/04/2019 10:28:09 AM	Active
INVAG	Intravaginal	Dalam vagina	29/10/2013 11:51:41 AM	08/04/2019 03:31:40 PM	Active
RECT	Rectal	Dalam dubur	29/10/2013 11:51:41 AM	08/04/2019 03:30:33 PM	Active
ORAL	Oral	Diambil	29/10/2013 11:51:41 AM	13/02/2019 01:24:20 PM	Active
EYEB	Eye Both	Dalam Mata Kanan dan Kiri	29/10/2013 11:51:41 AM	20/12/2018 10:07:09 AM	Active
DRES	for dressing	Cuci luka	06/10/2015 09:46:02 AM	06/12/2018 09:10:02 PM	Active
ETIN	ET Intubation	ET Intubation	29/10/2013 11:51:41 AM	06/12/2018 09:10:02 PM	Active

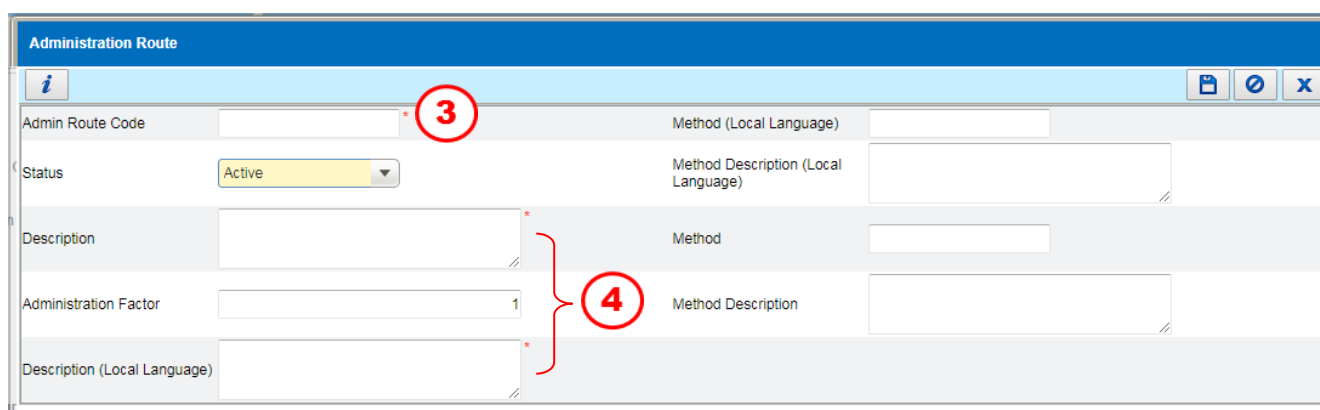
Figure 3.1.1-1 Administration Route Listing Page

STEP 1

Go to Maintenance menu follow by Pharmacy menu and click on the Administration Route sub menu.

STEP 2

Click on the  button to create a new record and Administration Route screen will be displayed as Figure 3.1.1-2



Administration Route

Admin Route Code * Method (Local Language)

Status Active Method Description (Local Language)

Description * Method

Administration Factor 1 Method Description

Description (Local Language) *

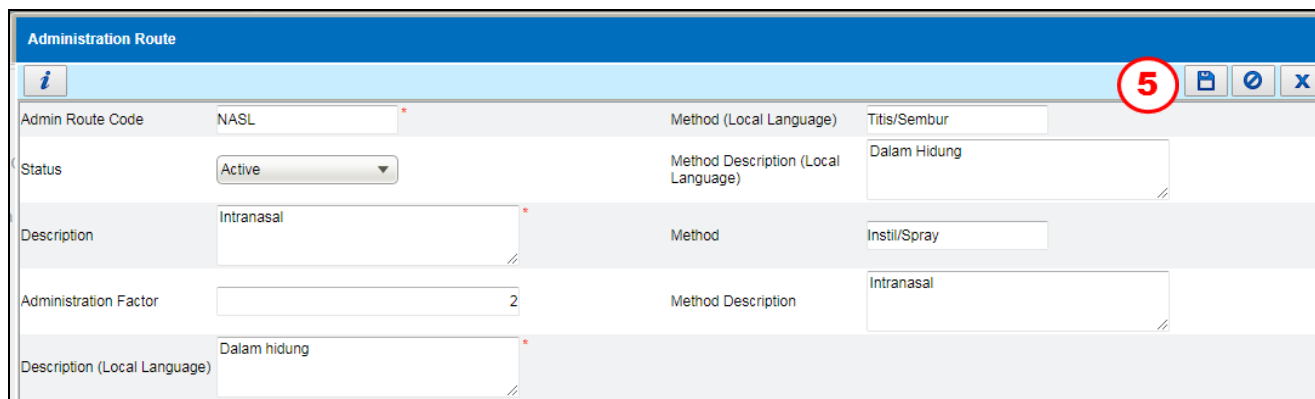
Figure 3.1.1-2 Administration Route Listing Page

STEP 3

Enter **Admin Route Code**

STEP 4

Enter **Description and Description (Local Language)**



The screenshot shows the 'Administration Route' form. It includes fields for 'Admin Route Code' (NASL), 'Method (Local Language)' (Titis/Sembur), 'Status' (Active), 'Method Description (Local Language)' (Dalam Hidung), 'Description' (Intranasal), 'Method' (Instil/Spray), 'Administration Factor' (2), 'Method Description' (Intranasal), and 'Description (Local Language)' (Dalam hidung). A red circle with the number '5' highlights the save button in the top right corner.

Figure 3.1.1-3 Administration Route Listing Page

STEP 5

Click on the  button to save the record

Note

- Enter **Method (Local Language)**, **Method Description (Local Language)**, **Method** and **Method Description** if needed.
- System will display a Confirmation Message as Figure 3.1.1-4

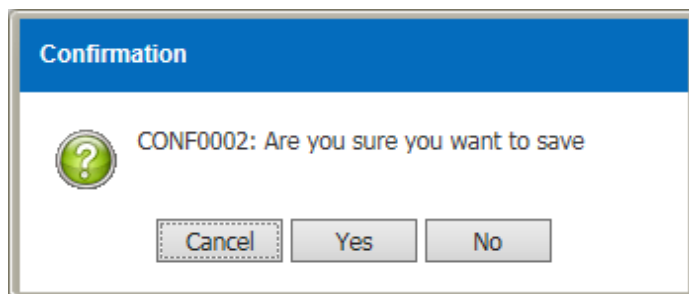
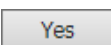
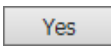


Figure 3.1.1-4 Confirmation Message

- Click on the  button to save the record
- Information Message will display after click on the  button as Figure 3.1.1-5

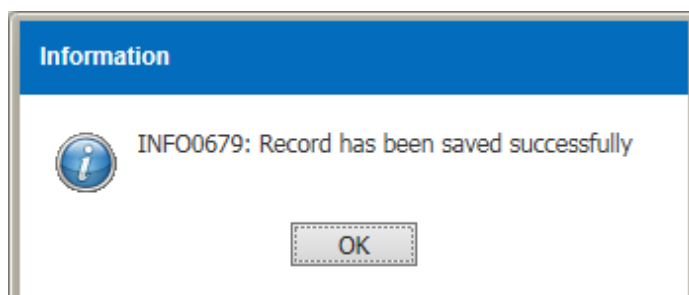
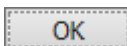
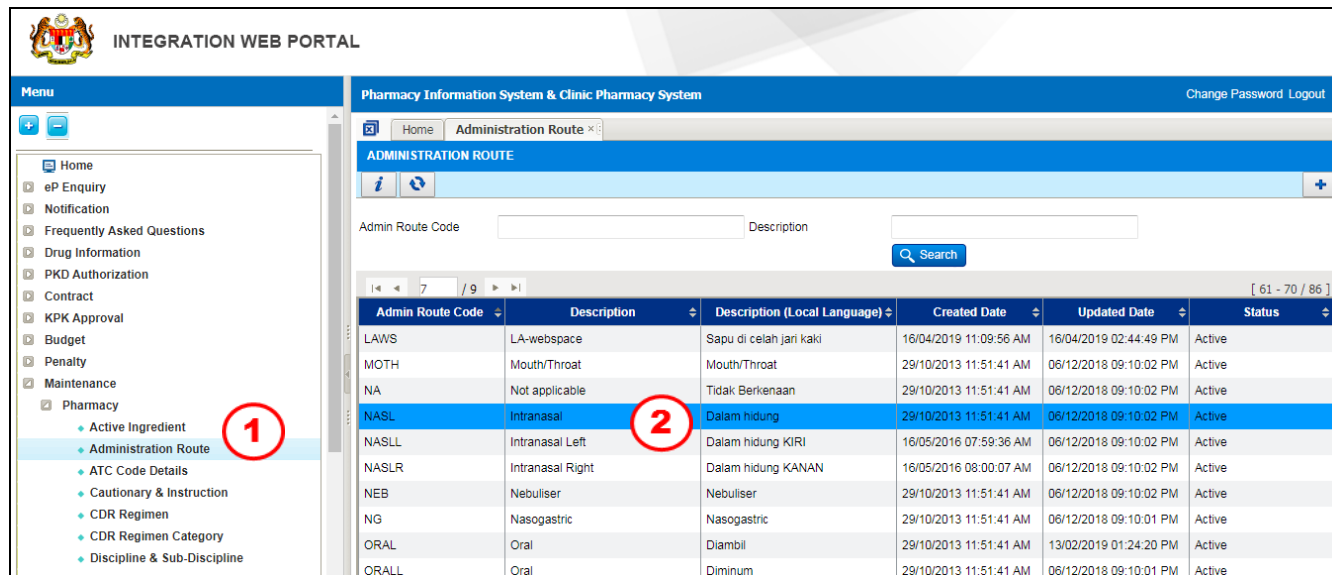


Figure 3.1.1-5 Information Message

- Click on the  button to confirmed the record

3.1.2 Modify Administration Route

To modify Administration Route records, perform the steps below:



Admin Route Code	Description	Description (Local Language)	Created Date	Updated Date	Status
LAWS	LA-webpage	Sapu di celah jari kaki	16/04/2019 11:09:56 AM	16/04/2019 02:44:49 PM	Active
MOTH	Mouth/Throat	Mouth/Throat	29/10/2013 11:51:41 AM	06/12/2018 09:10:02 PM	Active
NA	Not applicable	Tidak Berkenaan	29/10/2013 11:51:41 AM	06/12/2018 09:10:02 PM	Active
NASL	Intranasal	Dalam hidung	29/10/2013 11:51:41 AM	06/12/2018 09:10:02 PM	Active
NASLL	Intranasal Left	Dalam hidung KIRI	16/05/2016 07:59:36 AM	06/12/2018 09:10:02 PM	Active
NASLR	Intranasal Right	Dalam hidung KANAN	16/05/2016 08:00:07 AM	06/12/2018 09:10:02 PM	Active
NEB	Nebuliser	Nebuliser	29/10/2013 11:51:41 AM	06/12/2018 09:10:02 PM	Active
NG	Nasogastric	Nasogastric	29/10/2013 11:51:41 AM	06/12/2018 09:10:01 PM	Active
ORAL	Oral	Diambil	29/10/2013 11:51:41 AM	13/02/2019 01:24:20 PM	Active
ORALL	Oral	Diminum	29/10/2013 11:51:41 AM	06/12/2018 09:10:01 PM	Active

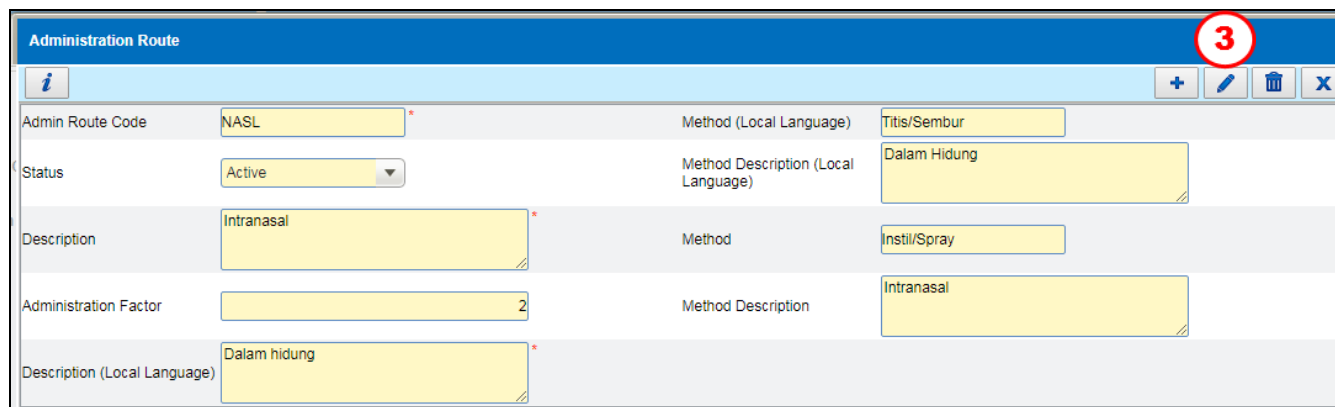
Figure 3.1.2-1 Administration Route Listing Page

STEP 1

Go to Maintenance menu follow by Pharmacy menu and click on the Administration Route sub menu.

STEP 2

Double click on selected record

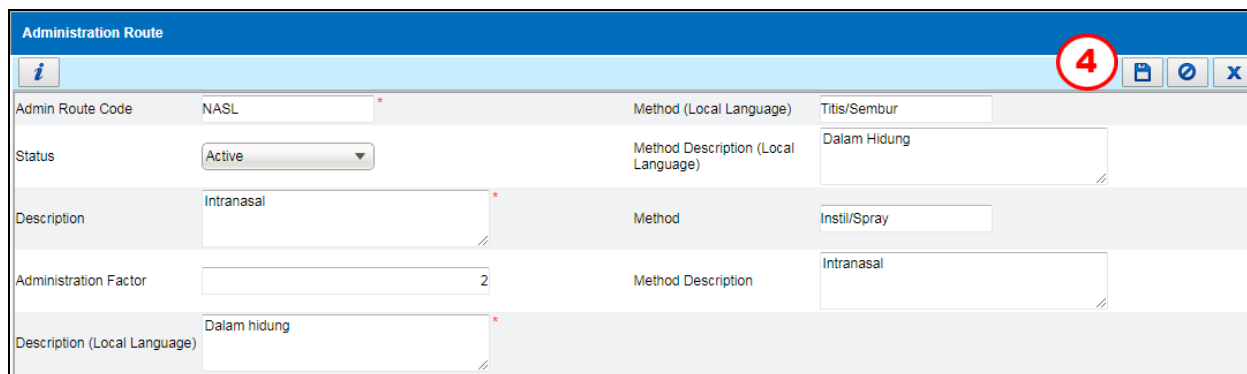


Admin Route Code	NASL	Method (Local Language)	Titis/Sembur
Status	Active	Method Description (Local Language)	Dalam Hidung
Description	Intranasal	Method	Instil/Spray
Administration Factor	2	Method Description	Intranasal
Description (Local Language)	Dalam hidung		

Figure 3.1.2-2 Administration Route

STEP 3

Click on the  button to edit the record



The screenshot shows the 'Administration Route' form. A red circle with the number '4' highlights the save button (a floppy disk icon) in the top right corner. The form contains the following fields:

Admin Route Code	NASL *	Method (Local Language)	Titik/Sembur
Status	Active	Method Description (Local Language)	Dalam Hidung
Description	Intranasal *	Method	Instil/Spray
Administration Factor	2	Method Description	Intranasal
Description (Local Language)	Dalam hidung *		

Figure 3.1.2-3 Administration Route

Note

User is allowing to edit:

- **Admin Route Code**
- **Status**
- **Description**
- **Administration Factor**
- **Description (Local Language)**
- **Method (Local Language)**
- **Method Description (Local Language)**
- **Method**
- **Method Description**

STEP 4

Click on the  button to save the edited record

Note

- System will display a Confirmation Message as Figure 3.1.2-4

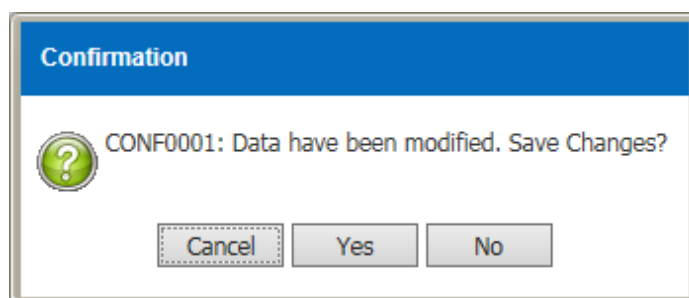
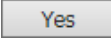
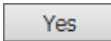


Figure 3.1.2-4 Confirmation Message

- Click on the  button to save the edited record
- Information Message will display after click on the  button as Figure 3.1.2-5

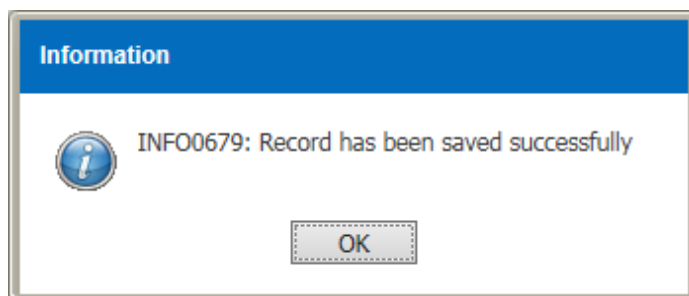
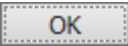


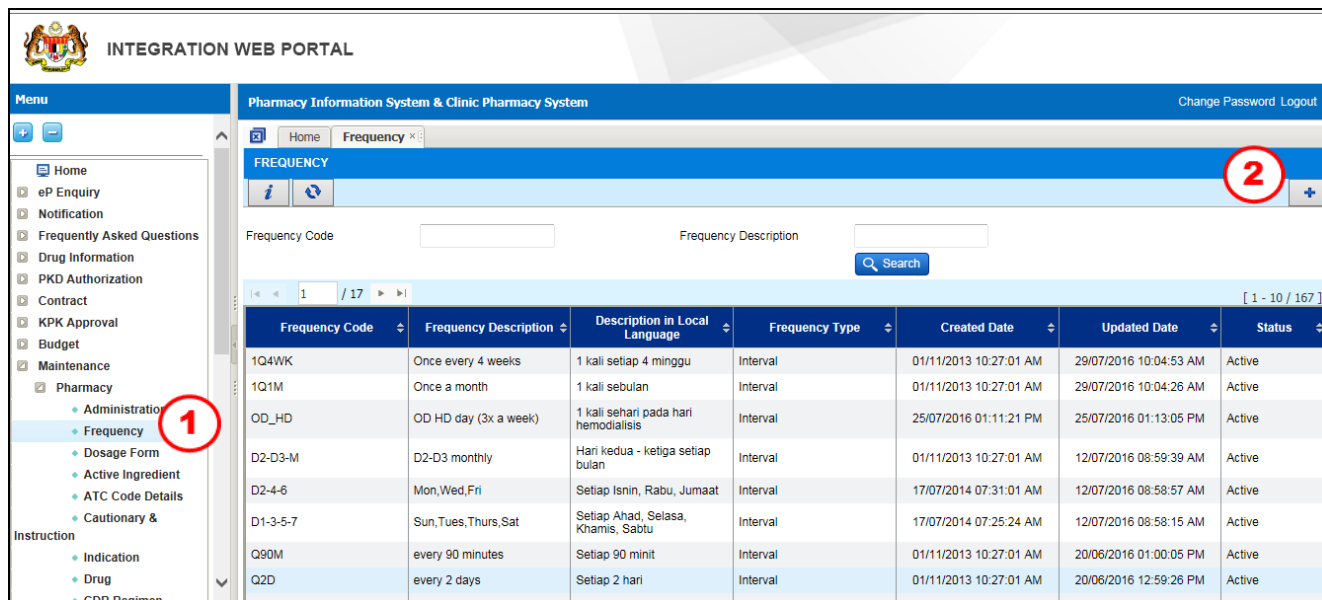
Figure 3.1.2-5 Information Message

- Click on the  button to confirmed the edited record

3.2 Frequency

3.2.1 Create New Frequency

To Create New Frequency records, perform the steps below:



Frequency Code	Frequency Description	Description in Local Language	Frequency Type	Created Date	Updated Date	Status
1Q4WK	Once every 4 weeks	1 kali setiap 4 minggu	Interval	01/11/2013 10:27:01 AM	29/07/2016 10:04:53 AM	Active
1Q1M	Once a month	1 kali sebulan	Interval	01/11/2013 10:27:01 AM	29/07/2016 10:04:26 AM	Active
OD_HD	OD HD day (3x a week)	1 kali sehari pada hari hemodialisis	Interval	25/07/2016 01:11:21 PM	25/07/2016 01:13:05 PM	Active
D2-D3-M	D2-D3 monthly	Hari kedua - ketiga setiap bulan	Interval	01/11/2013 10:27:01 AM	12/07/2016 08:59:39 AM	Active
D2-4-6	Mon,Wed,Fri	Setiap Isnin, Rabu, Jumaat	Interval	17/07/2014 07:31:01 AM	12/07/2016 08:58:57 AM	Active
D1-3-5-7	Sun,Tues,Thurs,Sat	Setiap Ahad, Selasa, Khamis, Sabtu	Interval	17/07/2014 07:25:24 AM	12/07/2016 08:58:15 AM	Active
Q90M	every 90 minutes	Setiap 90 minit	Interval	01/11/2013 10:27:01 AM	20/06/2016 01:00:05 PM	Active
Q2D	every 2 days	Setiap 2 hari	Interval	01/11/2013 10:27:01 AM	20/06/2016 12:59:26 PM	Active

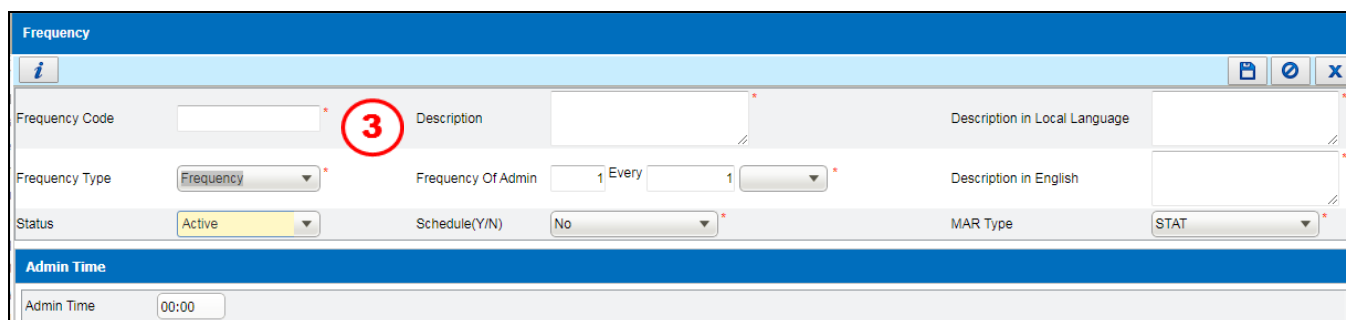
Figure 3.2.1-1 Frequency Listing Page

STEP 1

Go to Maintenance menu follow by Pharmacy menu and click on Frequency sub menu.

STEP 2

Click on the  button and Frequency screen will be displayed as Figure 3.2.1-2



Frequency

Frequency Code: * Description: * Description in Local Language: *

Frequency Type: Frequency * Frequency Of Admin: 1 Every 1 * Description in English: *

Status: Active * Schedule(Y/N): No * MAR Type: STAT *

Admin Time

Admin Time: 00:00

Figure 3.2.1-2 Frequency

STEP 3

Enter **Frequency Code**, **Frequency Type** and **Description**

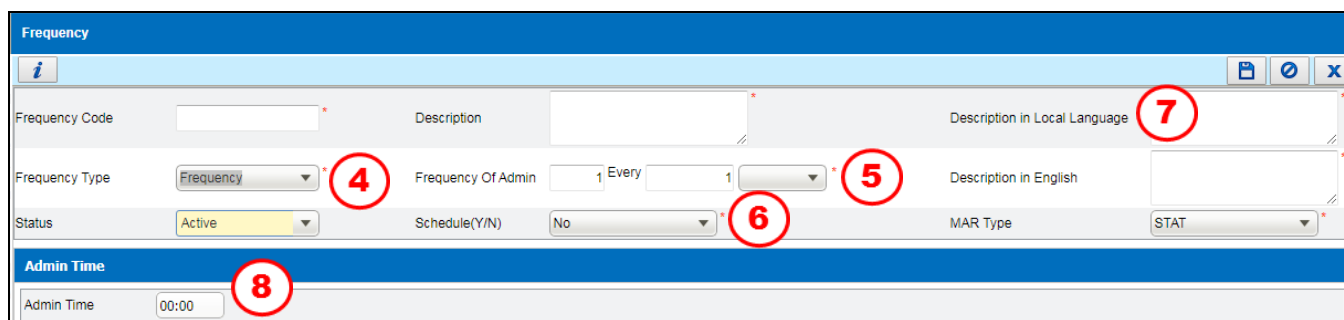


Figure 3.2.1-3 Frequency

STEP 4

Select **Frequency** from drop down box:

- **Continuous**
- **Frequency**
- **Interval**
- **PRN**
- **STAT**

STEP 5

Fill the **Frequency of Admin**

STEP 6

Click on the Dropdown Box to choose the **Schedule** status:

- **Yes**
- **No**

STEP 7

Fill the **Description in Local Language** and **Description in English**

STEP 8

Fill the **Admin Time**

Note

Admin Time will be based on **Frequency of Admin** and **Schedule** status is **Yes**

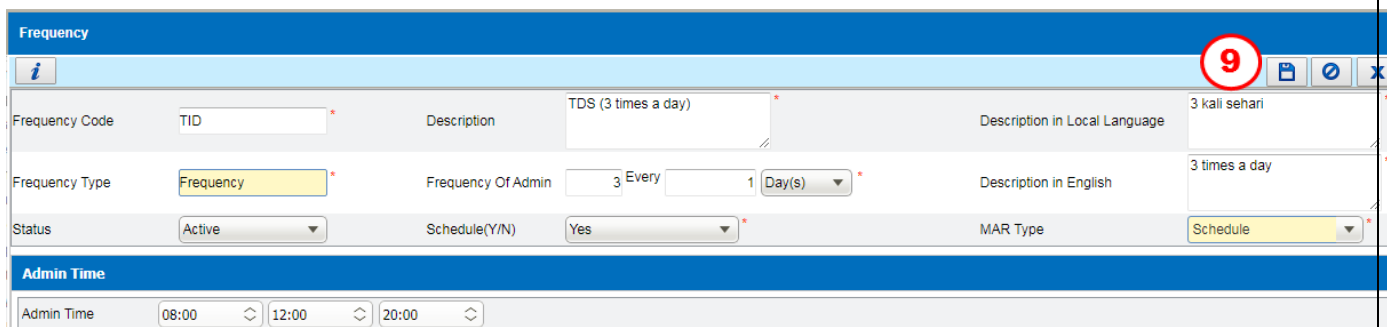


Figure 3.2.1-4 Frequency

STEP 9

Click on the  button to save the record

Note

- Confirmation message as shown in Figure 3.2.1-5 will be displayed after user save the record

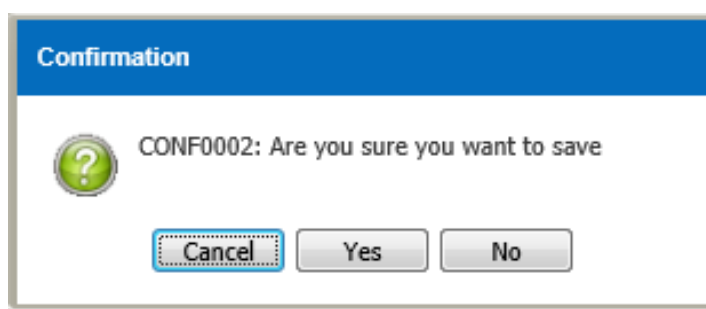
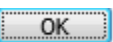


Figure 3.2.1-5 Confirmation Message

- Record will save when user click on the  button as shown in Figure 3.2.1-6

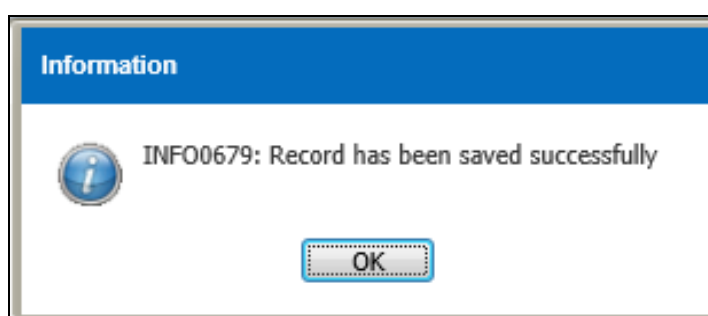
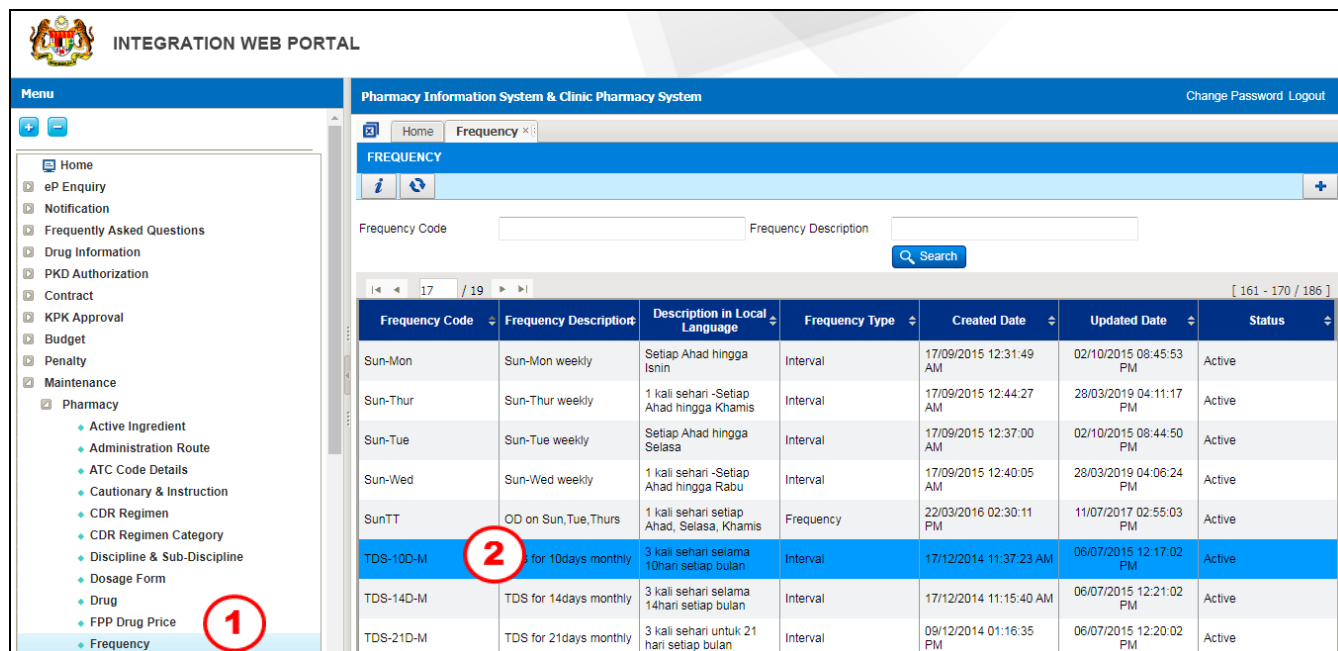


Figure 3.2.1-6 Information Message

- Click on the  button to close the Frequency screen.

3.2.2 Modify Frequency

To modify Frequency records, perform the steps below:



Frequency Code	Frequency Description	Description in Local Language	Frequency Type	Created Date	Updated Date	Status
Sun-Mon	Sun-Mon weekly	Setiap Ahad hingga Isnin	Interval	17/09/2015 12:31:49 AM	02/10/2015 08:45:53 PM	Active
Sun-Thur	Sun-Thur weekly	1 kali sehari - Setiap Ahad hingga Khamis	Interval	17/09/2015 12:44:27 AM	28/03/2019 04:11:17 PM	Active
Sun-Tue	Sun-Tue weekly	Setiap Ahad hingga Selasa	Interval	17/09/2015 12:37:00 AM	02/10/2015 08:44:50 PM	Active
Sun-Wed	Sun-Wed weekly	1 kali sehari - Setiap Ahad hingga Rabu	Interval	17/09/2015 12:40:05 AM	28/03/2019 04:06:24 PM	Active
SunTT	OD on Sun,Tue,Thurs	1 kali sehari setiap Ahad, Selasa, Khamis	Frequency	22/03/2016 02:30:11 PM	11/07/2017 02:55:03 PM	Active
TDS-10D-M	for 10days monthly	3 kali sehari selama 10hari setiap bulan	Interval	17/12/2014 11:37:23 AM	06/07/2015 12:17:02 PM	Active
TDS-14D-M	TDS for 14days monthly	3 kali sehari selama 14hari setiap bulan	Interval	17/12/2014 11:15:40 AM	06/07/2015 12:21:02 PM	Active
TDS-21D-M	TDS for 21days monthly	3 kali sehari untuk 21 hari setiap bulan	Interval	09/12/2014 01:16:35 PM	06/07/2015 12:20:02 PM	Active

Figure 3.2.2-1 Frequency Listing Page

STEP 1

Go to Maintenance menu follow by Pharmacy menu and click on Frequency sub menu.

STEP 2

Double click on selected record

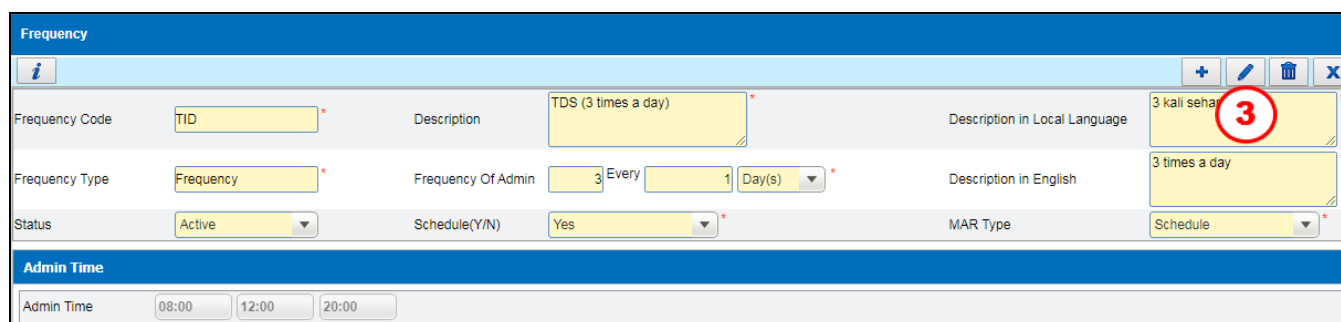


Figure 3.2.2-2 Frequency.

STEP 3

Click on the  button to edit the record

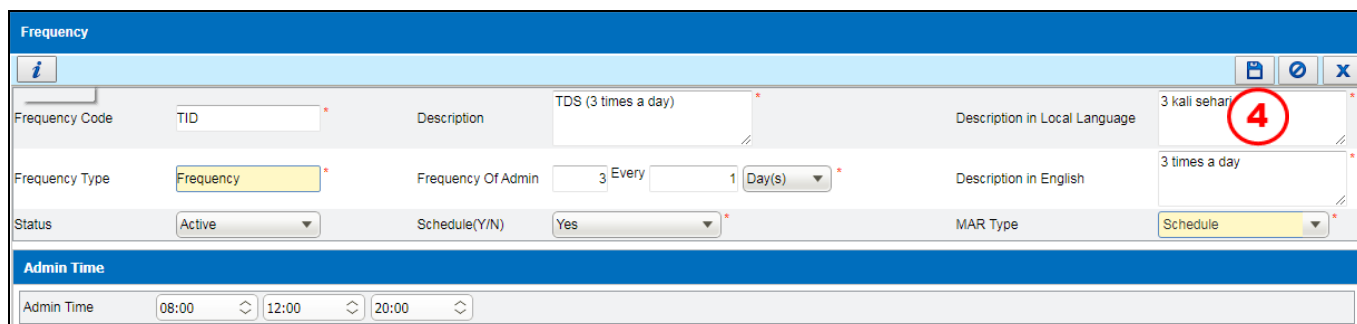


Figure 3.2.2-3 Frequency

Note

User is allowed to edit:

- **Frequency Code**
- **Description**
- **Frequency Of Admin**
- **Status**
- **Schedule(Y/N)**
- **Description in Local Language**
- **Description in English**
- **Admin Time**

STEP 4

Click on the  button to save the edited record

Note

- System will display a Confirmation Message as Figure 3.2.2-4

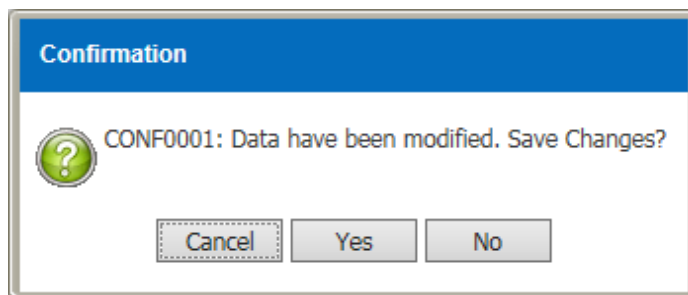
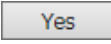
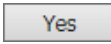


Figure 3.2.2-4 Confirmation Message

- Click on the  button to save the edited record
- Information Message will display after click on the  button as Figure 3.2.2-5

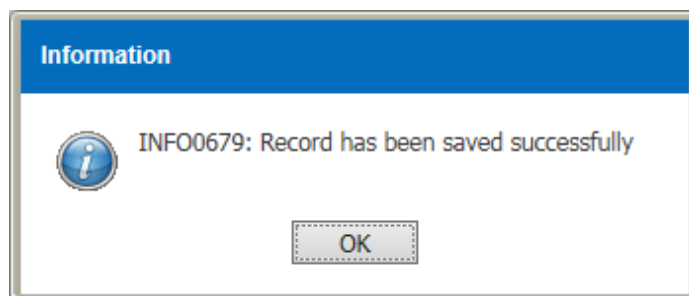
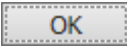


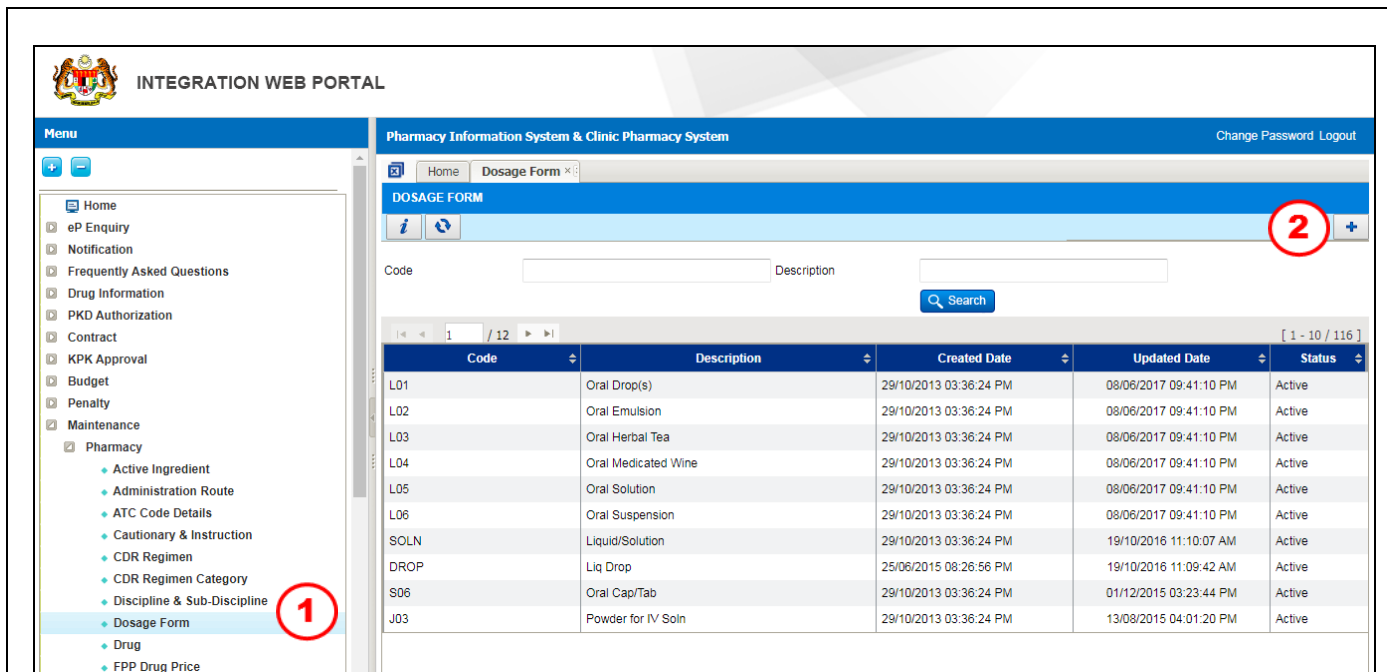
Figure 3.2.2-5 Information Message

- Click on the  button to confirmed the edited record

3.3 Dosage Form

3.3.1 Create New Dosage Form

To Create New Dosage Form records, perform the steps below:



Code	Description	Created Date	Updated Date	Status
L01	Oral Drop(s)	29/10/2013 03:36:24 PM	08/06/2017 09:41:10 PM	Active
L02	Oral Emulsion	29/10/2013 03:36:24 PM	08/06/2017 09:41:10 PM	Active
L03	Oral Herbal Tea	29/10/2013 03:36:24 PM	08/06/2017 09:41:10 PM	Active
L04	Oral Medicated Wine	29/10/2013 03:36:24 PM	08/06/2017 09:41:10 PM	Active
L05	Oral Solution	29/10/2013 03:36:24 PM	08/06/2017 09:41:10 PM	Active
L06	Oral Suspension	29/10/2013 03:36:24 PM	08/06/2017 09:41:10 PM	Active
SOLN	Liquid/Solution	29/10/2013 03:36:24 PM	19/10/2016 11:10:07 AM	Active
DROP	Liq Drop	25/06/2015 08:26:56 PM	19/10/2016 11:09:42 AM	Active
S06	Oral Cap/Tab	29/10/2013 03:36:24 PM	01/12/2015 03:23:44 PM	Active
J03	Powder for IV Soln	29/10/2013 03:36:24 PM	13/08/2015 04:01:20 PM	Active

Figure 3.3.1-1 Dosage Form Listing Page

STEP 1

Go to Maintenance menu follow by Pharmacy menu and click on Dosage Form sub menu.

STEP 2

Click on the  button to create a new record and Dosage Form screen will be displayed as Figure 3.3.1-2

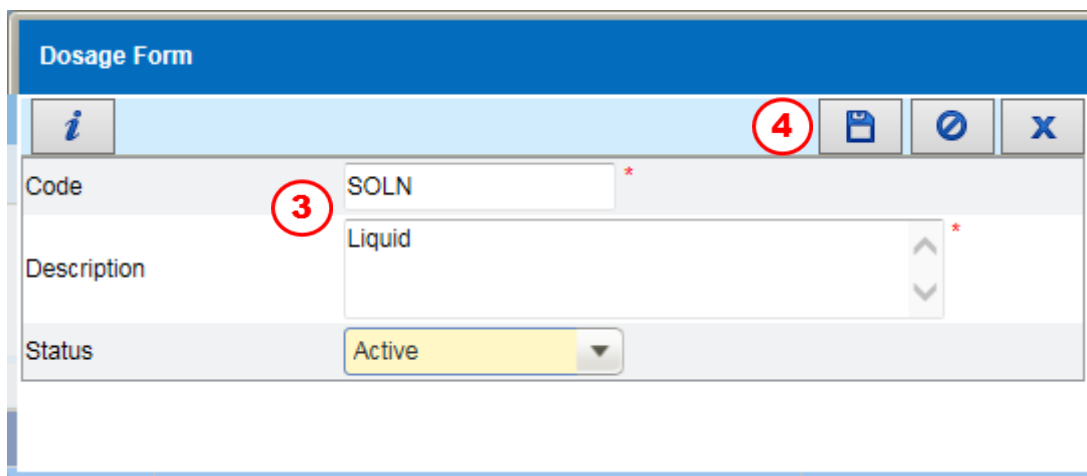


Figure 3.3.1-2 Add Dosage Form

STEP 3

Enter **Code** and **Description**

STEP 4

Click on the  button to save the record

Note

- System will display a Confirmation Message as Figure 3.3.1-3

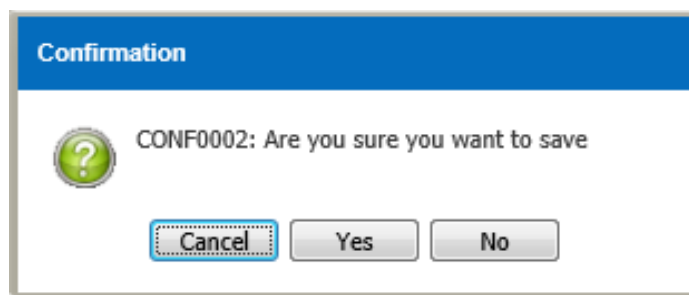
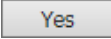
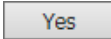


Figure 3.3.1-3 Confirmation Message

- Click on the  button to save the record
- Information Message will display after click on the  button as Figure 3.3.1-4

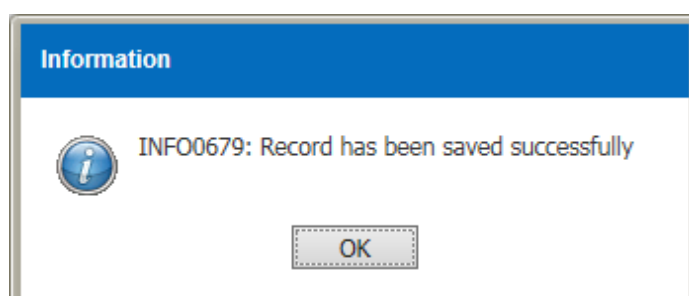
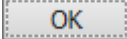
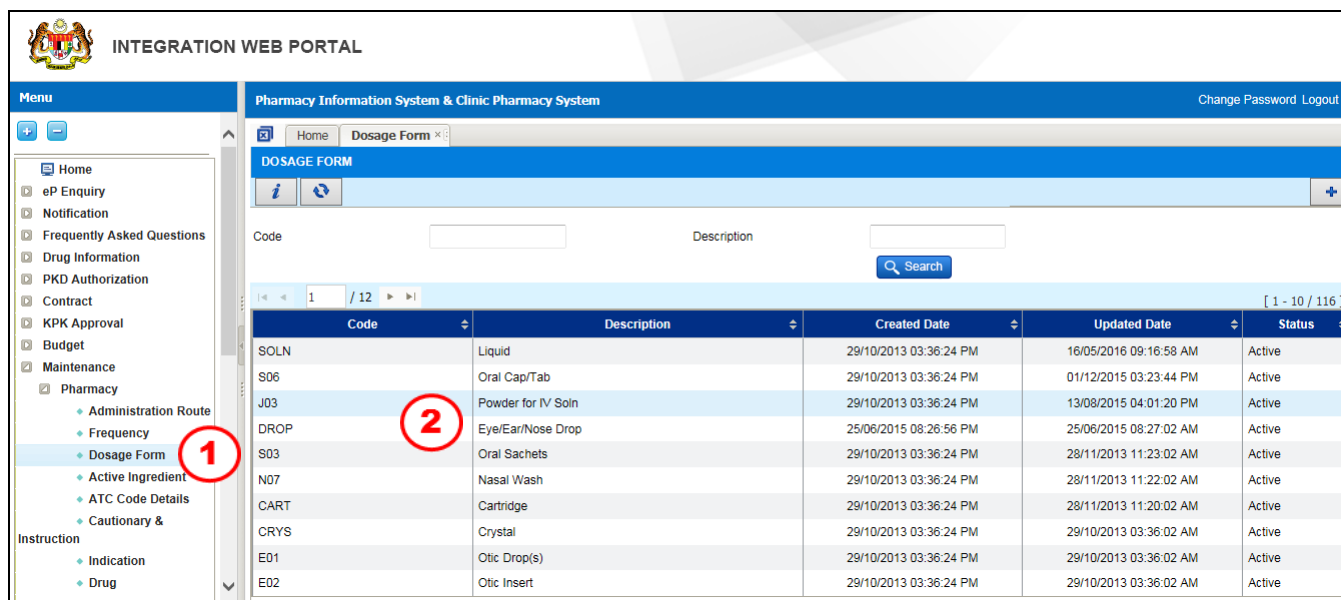


Figure 3.3.1-4 Information Message

- Click on the  button to confirmed the record

3.3.2 Update Dosage Form

To modify Dosage Form records, perform the steps below:



Code	Description	Created Date	Updated Date	Status
SOLN	Liquid	29/10/2013 03:36:24 PM	16/05/2016 09:16:58 AM	Active
S06	Oral Cap/Tab	29/10/2013 03:36:24 PM	01/12/2015 03:23:44 PM	Active
J03	Powder for IV Soln	29/10/2013 03:36:24 PM	13/08/2015 04:01:20 PM	Active
DROP	Eye/Ear/Nose Drop	25/06/2015 08:26:56 PM	25/06/2015 08:27:02 AM	Active
S03	Oral Sachets	29/10/2013 03:36:24 PM	28/11/2013 11:23:02 AM	Active
N07	Nasal Wash	29/10/2013 03:36:24 PM	28/11/2013 11:22:02 AM	Active
CART	Cartridge	29/10/2013 03:36:24 PM	28/11/2013 11:20:02 AM	Active
CRYS	Crystal	29/10/2013 03:36:24 PM	29/10/2013 03:36:02 AM	Active
E01	Otic Drop(s)	29/10/2013 03:36:24 PM	29/10/2013 03:36:02 AM	Active
E02	Otic Insert	29/10/2013 03:36:24 PM	29/10/2013 03:36:02 AM	Active

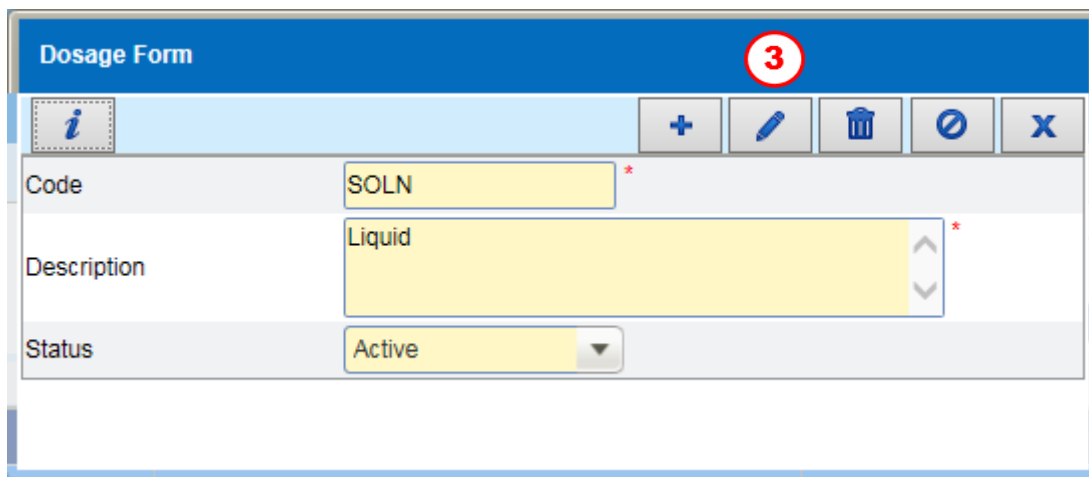
Figure 3.3.2-1 Dosage Form Listing Page

STEP 1

Go to Maintenance menu follow by Pharmacy menu and click on Dosage Form sub menu

STEP 2

Click on the selected record



Dosage Form

Code: SOLN

Description: Liquid

Status: Active

Figure 3.3.2-2 Add Dosage Form

STEP 3

Click on the  button to edit the record

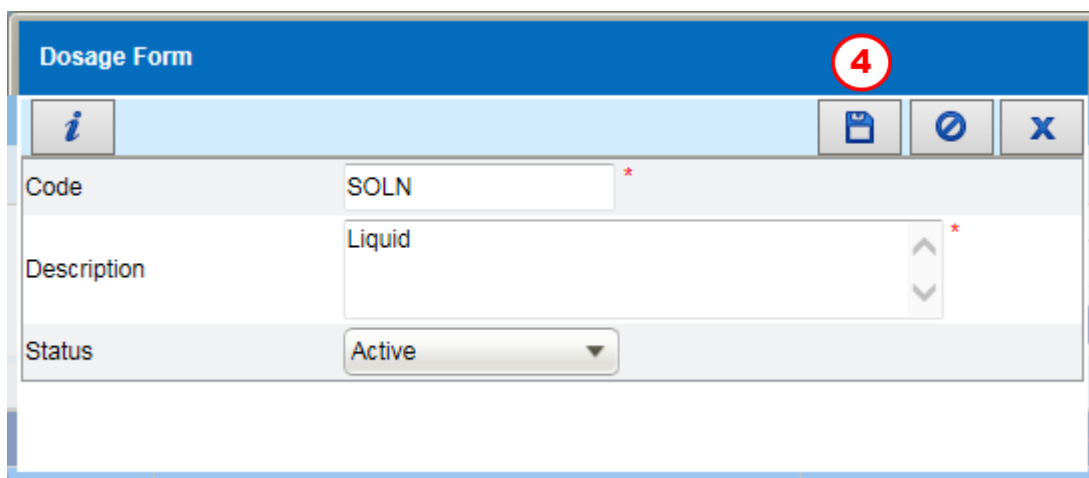


Figure 3.3.2-2 Add Dosage Form

Note

User is allowing to edit:

- **Code**
- **Description**
- **Status**

STEP 4

Click on the  button to save the edited record

Note

- System will display a Confirmation Message as Figure 3.3.2-3

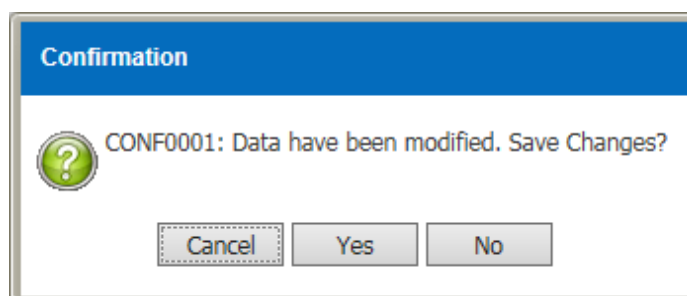
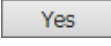
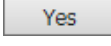


Figure 3.3.2-3 Confirmation Message

- Click on the  button to save the edited record
- Information Message will display after click on the  button as Figure 3.3.2-4

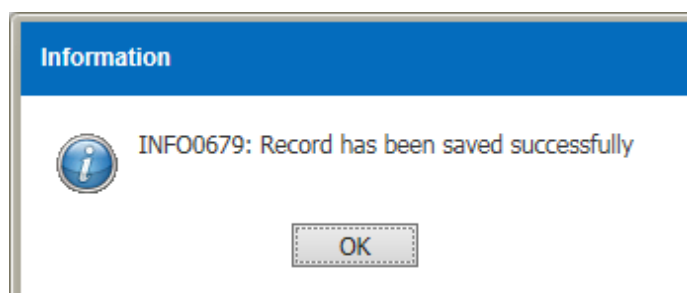
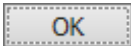


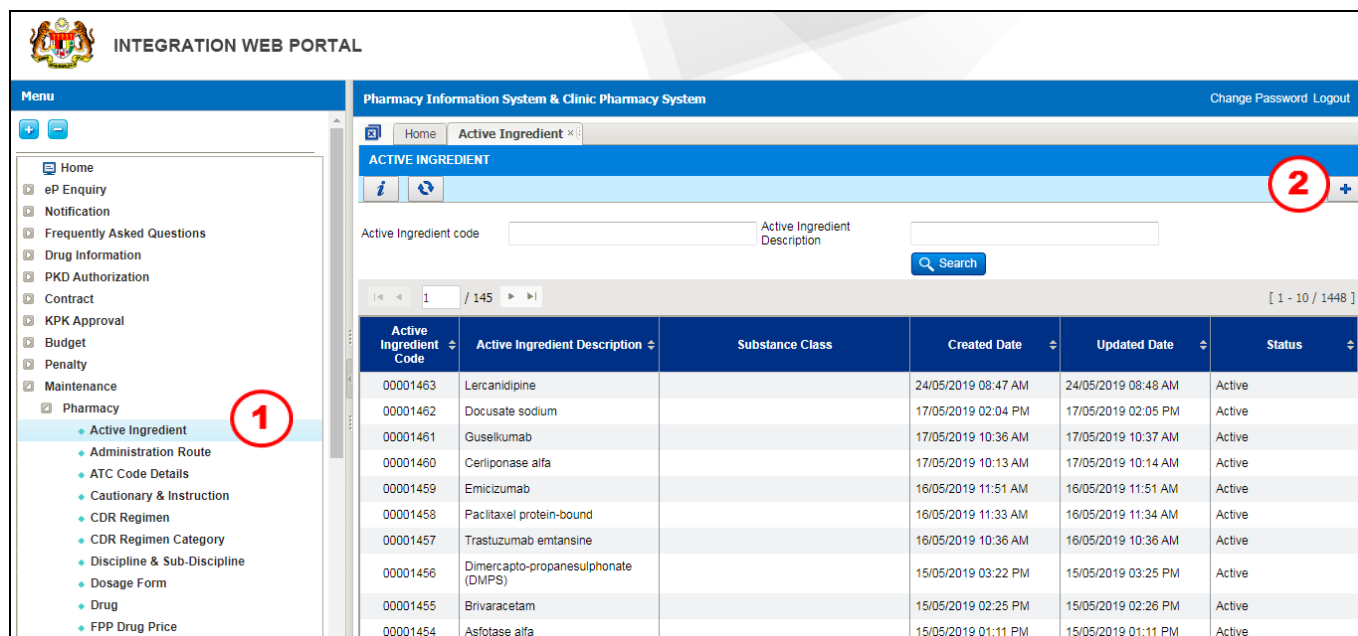
Figure 3.3.2-4 Information Message

- Click on the  button to confirmed the edited record

3.4 Active Ingredient

3.4.1 Create New Active Ingredient

To Create New Active Ingredient records, perform the steps below:



Active Ingredient Code	Active Ingredient Description	Substance Class	Created Date	Updated Date	Status
00001463	Lercanidipine		24/05/2019 08:47 AM	24/05/2019 08:48 AM	Active
00001462	Docusate sodium		17/05/2019 02:04 PM	17/05/2019 02:05 PM	Active
00001461	Guselkumab		17/05/2019 10:36 AM	17/05/2019 10:37 AM	Active
00001460	Cerliponase alfa		17/05/2019 10:13 AM	17/05/2019 10:14 AM	Active
00001459	Emicizumab		16/05/2019 11:51 AM	16/05/2019 11:51 AM	Active
00001458	Paclitaxel protein-bound		16/05/2019 11:33 AM	16/05/2019 11:34 AM	Active
00001457	Trastuzumab emtansine		16/05/2019 10:36 AM	16/05/2019 10:36 AM	Active
00001456	Dimercapto-propanesulphonate (DMPS)		15/05/2019 03:22 PM	15/05/2019 03:25 PM	Active
00001455	Brivaracetam		15/05/2019 02:25 PM	15/05/2019 02:26 PM	Active
00001454	Asfotase alfa		15/05/2019 01:11 PM	15/05/2019 01:11 PM	Active

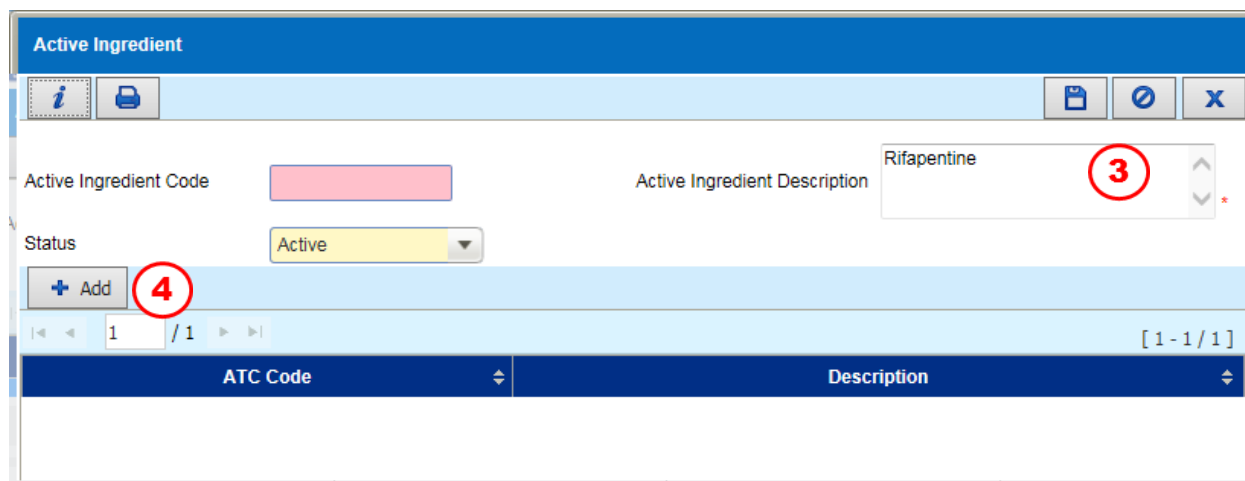
Figure 3.4.1-1 Active Ingredient Listing Page

STEP 1

Go to Maintenance menu follow by Pharmacy menu and click on Active Ingredient sub menu.

STEP 2

Click on the  button to create a new record and Active Ingredient screen will be displayed as Figure 3.4.1-2



ATC Code	Description
----------	-------------

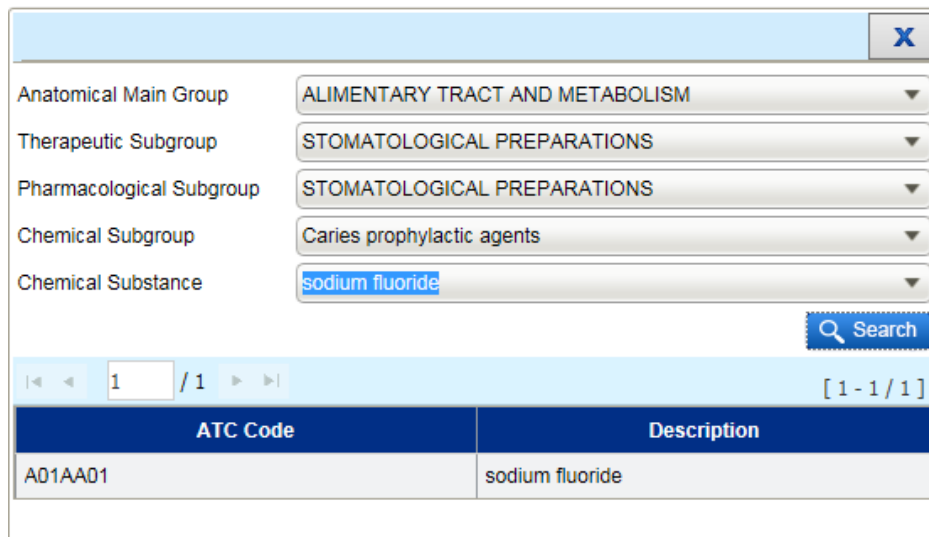
Figure 3.4.1-2 Add Active Ingredient

STEP 3

Enter **Active Ingredient Description**

STEP 4

Click on the  button and new window will be displayed as Figure 3.4.1-3

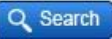


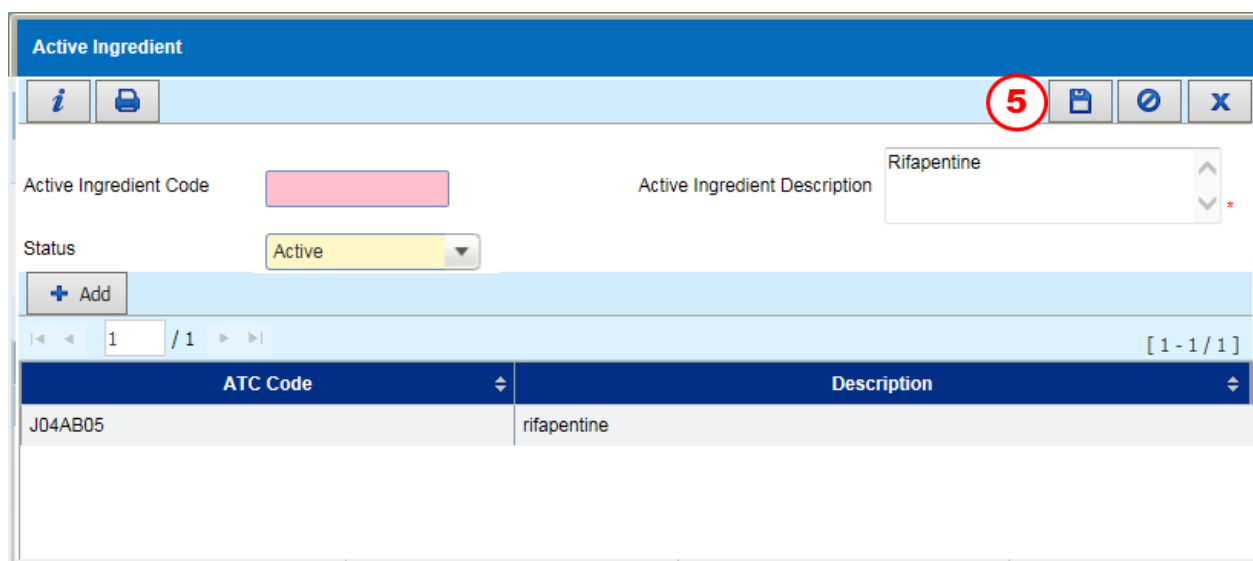
The window displays a search interface for ATC codes. It includes five dropdown menus for filtering: Anatomical Main Group (ALIMENTARY TRACT AND METABOLISM), Therapeutic Subgroup (STOMATOLOGICAL PREPARATIONS), Pharmacological Subgroup (STOMATOLOGICAL PREPARATIONS), Chemical Subgroup (Caries prophylactic agents), and Chemical Substance (sodium fluoride). A Search button is located at the bottom right. Below the filters is a table with one row showing the ATC Code AD1AA01 and its Description, sodium fluoride.

ATC Code	Description
AD1AA01	sodium fluoride

Figure 3.4.1-3 ATC Code

Note

- User is allowed to enter partially or fully criteria for :
 - Anatomical Main Group
 - Therapeutic Subgroup
 - Pharmacological Subgroup
 - Chemical Subgroup
 - Chemical Substance
- Click on the  button and double click on the selected **ATC Code/Description**
- Selected data will have updated in the Active Ingredient screen as shown in Figure 3.4.1-4



The window displays the Active Ingredient screen. It includes fields for Active Ingredient Code, Active Ingredient Description (Rifapentine), and Status (Active). A Search button is located at the bottom left. Below the fields is a table with one row showing the ATC Code J04AB05 and its Description, rifapentine. A red circle with the number 5 is placed over the Search button.

ATC Code	Description
J04AB05	rifapentine

Figure 3.4.1-4 Active Ingredient

Note

User can add more than 1 **ATC Code** by repeating **STEP 4**

STEP 5

Click on the  button to save the record

Note

- System will display a Confirmation Message as Figure 3.4.1-5

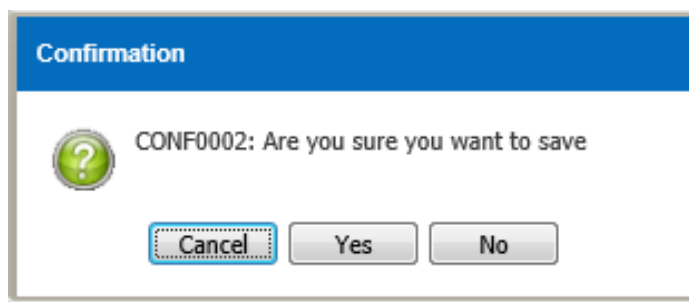
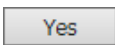
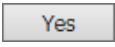


Figure 3.4.1-5 Confirmation Message

- Click on the  button to save the record
- Information Message will display after click on the  button as Figure 3.4.1-6

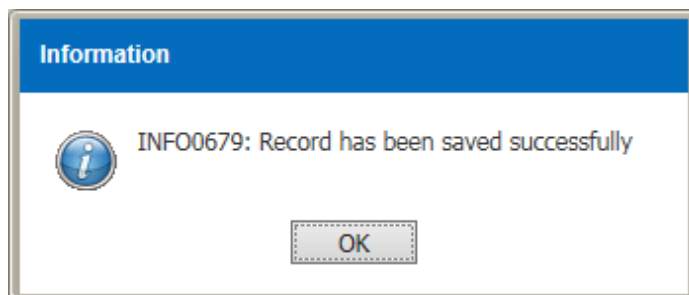
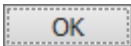


Figure 3.4.1-6 Information Message

- Click on the  button to confirmed the record and **Active Ingredient Code** will be generated for future reference as Figure 3.4.1-7

Active Ingredient

Active Ingredient Code

00001348

Active Ingredient Description

Rifapentine

Status

Active

+ Add

1 / 1

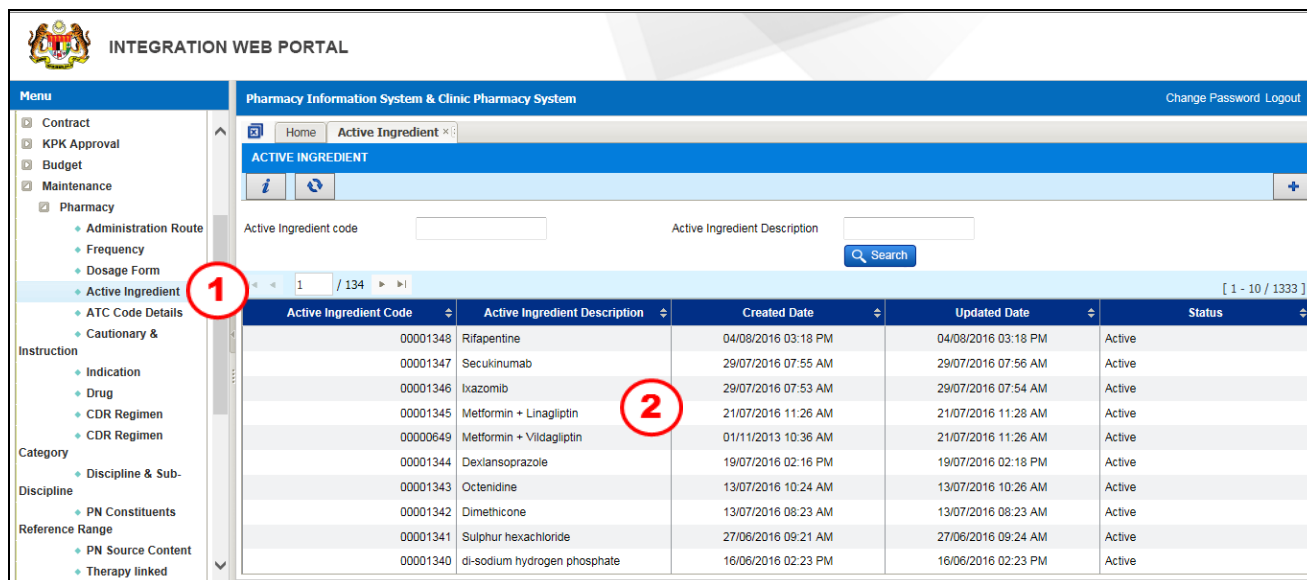
[1 - 1 / 1]

ATC Code	Description
J04AB05	rifapentine

Figure 3.4.1-7 Active Ingredient

3.4.2 Modify Active Ingredient

To modify Active Ingredient records, perform the steps below:



Active Ingredient Code	Active Ingredient Description	Created Date	Updated Date	Status
00001348	Rifapentine	04/08/2016 03:18 PM	04/08/2016 03:18 PM	Active
00001347	Secukinumab	29/07/2016 07:55 AM	29/07/2016 07:56 AM	Active
00001346	Ixazomib	29/07/2016 07:53 AM	29/07/2016 07:54 AM	Active
00001345	Metformin + Linagliptin	21/07/2016 11:26 AM	21/07/2016 11:28 AM	Active
00000649	Metformin + Vildagliptin	01/11/2013 10:36 AM	21/07/2016 11:26 AM	Active
00001344	Dexlansoprazole	19/07/2016 02:16 PM	19/07/2016 02:18 PM	Active
00001343	Octenidine	13/07/2016 10:24 AM	13/07/2016 10:26 AM	Active
00001342	Dimethicone	13/07/2016 08:23 AM	13/07/2016 08:23 AM	Active
00001341	Sulphur hexachloride	27/06/2016 09:21 AM	27/06/2016 09:24 AM	Active
00001340	di-sodium hydrogen phosphate	16/06/2016 02:23 PM	16/06/2016 02:23 PM	Active

Figure 3.4.2-1 Active Ingredient Listing Page

STEP 1

Go to Maintenance menu follow by Pharmacy menu and click on Active Ingredient sub menu.

STEP 2

Click on the selected record

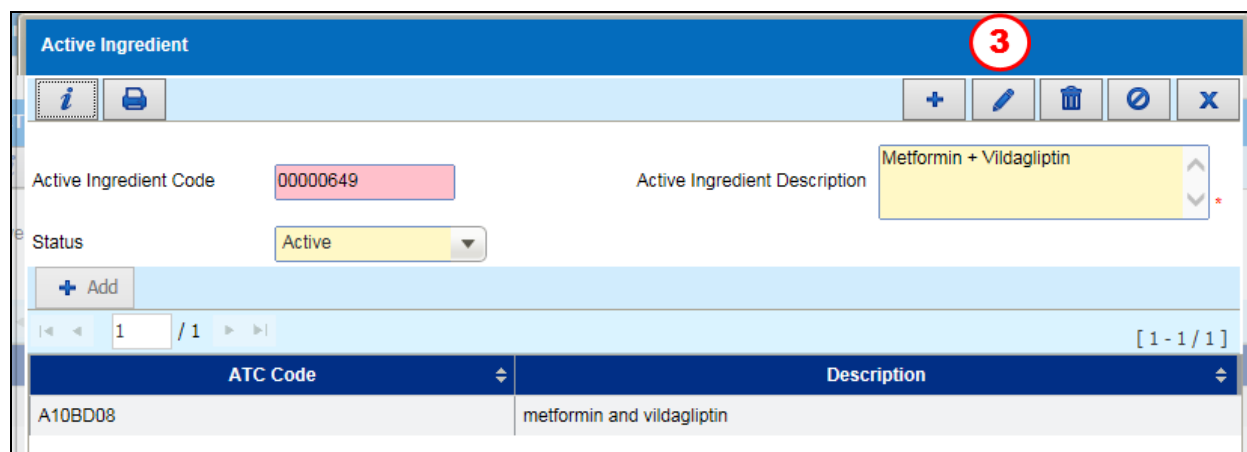
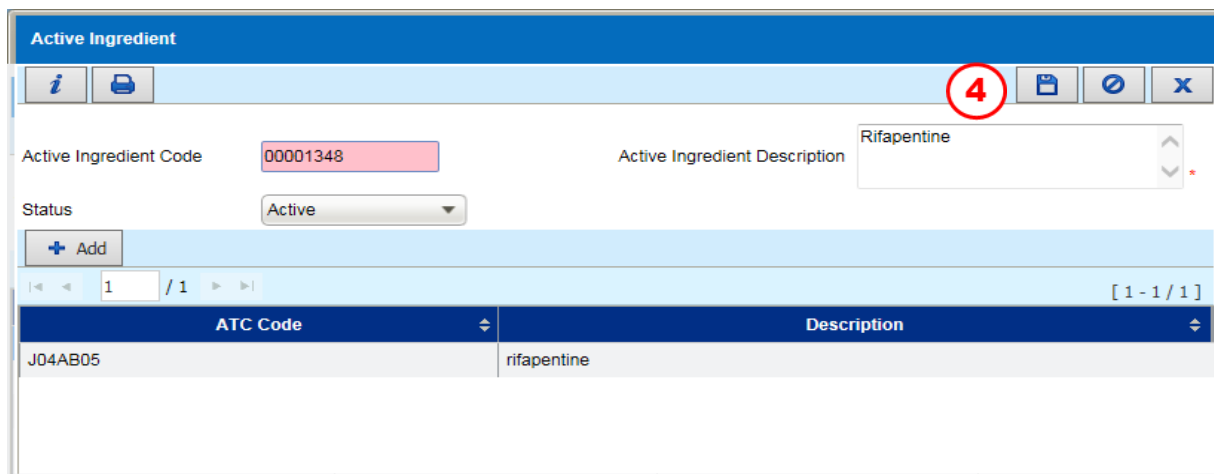


Figure 3.4.2-2 Active Indgredient Form

STEP 3

Click on the  button to edit the record



The screenshot shows the 'Active Ingredient' form. At the top, there is a blue header bar with the title 'Active Ingredient'. Below the header, there are three icons: an information icon, a printer icon, and a save icon (which is circled in red with the number '4'). The form contains the following fields:

- Active Ingredient Code:** A text box containing '00001348'.
- Active Ingredient Description:** A dropdown menu showing 'Rifapentine'.
- Status:** A dropdown menu showing 'Active'.
- + Add:** A button to add a new record.
- Table:** A table with two columns: 'ATC Code' and 'Description'. It contains one row with 'J04AB05' and 'rifapentine'.

Figure 3.4.2-3 Active Indgredient Form

Note

User is allowing to edit:

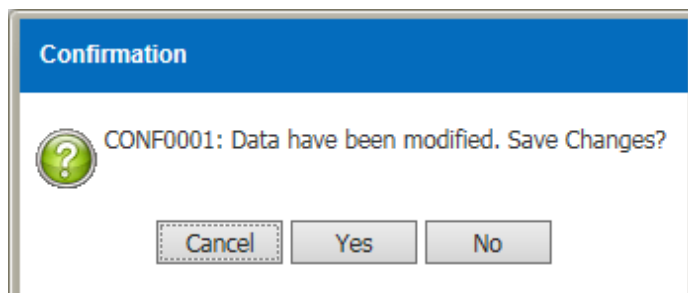
- **Status**
- **Active Ingredient Description**
- **Add ATC Code**

STEP 4

Click on the  button to save the edited record

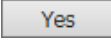
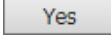
Note

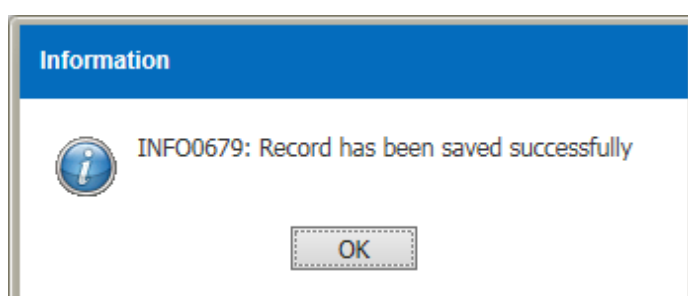
- System will display a Confirmation Message as Figure 3.4.2-4



The screenshot shows a 'Confirmation' dialog box. It has a blue header bar with the title 'Confirmation'. Below the header, there is a question mark icon and the text 'CONF0001: Data have been modified. Save Changes?'. At the bottom, there are three buttons: 'Cancel', 'Yes', and 'No'.

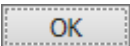
Figure 3.4.2-4 Confirmation Message

- Click on the  button to save the edited record
- Information Message will display after click on the  button as Figure 3.4.2-5



The screenshot shows an 'Information' dialog box. It has a blue header bar with the title 'Information'. Below the header, there is an information icon and the text 'INFO0679: Record has been saved successfully'. At the bottom, there is one button: 'OK'.

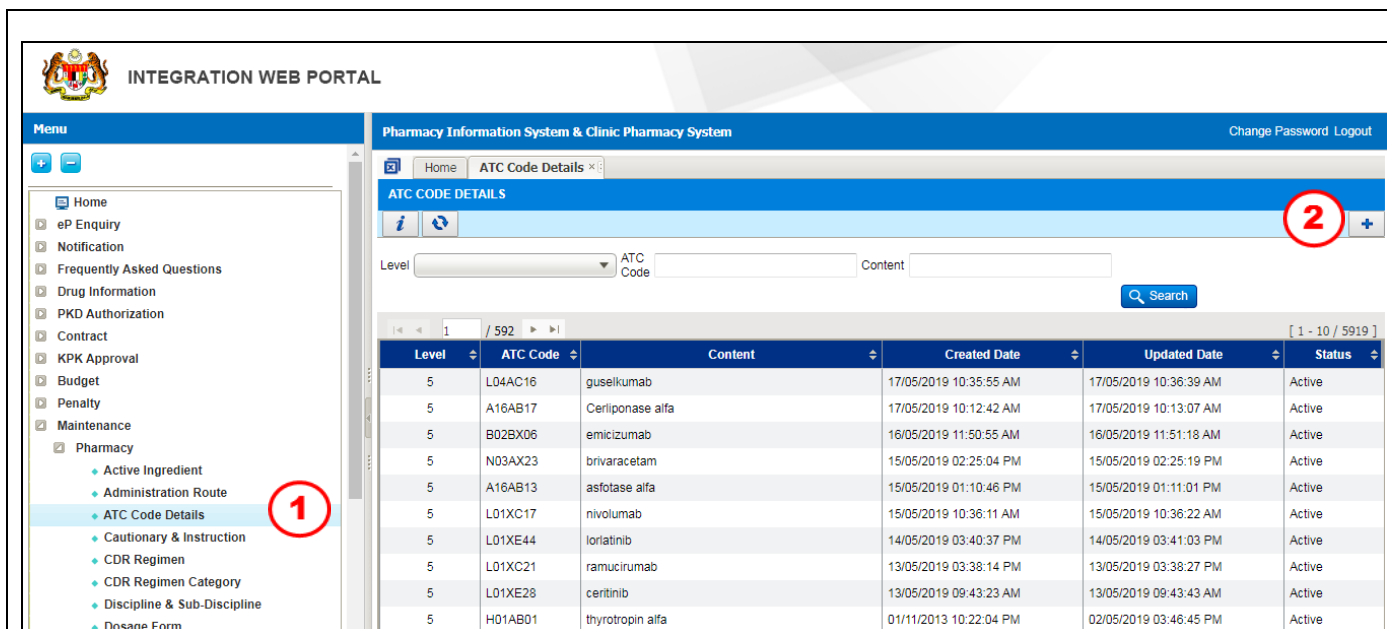
Figure 3.4.2-5 Information Message

- Click on the  button to confirmed the edited record

3.5 ATC Code Details

3.5.1 Create New ATC Code Details

To Create New ATC Code Details records, perform the steps below:



Level	ATC Code	Content	Created Date	Updated Date	Status
5	L04AC16	guselkumab	17/05/2019 10:35:55 AM	17/05/2019 10:36:39 AM	Active
5	A16AB17	Cerliponase alfa	17/05/2019 10:12:42 AM	17/05/2019 10:13:07 AM	Active
5	B02BX06	emicizumab	16/05/2019 11:50:55 AM	16/05/2019 11:51:18 AM	Active
5	N03AX23	brivaracetam	15/05/2019 02:25:04 PM	15/05/2019 02:25:19 PM	Active
5	A16AB13	asfotase alfa	15/05/2019 01:10:46 PM	15/05/2019 01:11:01 PM	Active
5	L01XC17	nivolumab	15/05/2019 10:36:11 AM	15/05/2019 10:36:22 AM	Active
5	L01XE44	lorlatinib	14/05/2019 03:40:37 PM	14/05/2019 03:41:03 PM	Active
5	L01XC21	ramucirumab	13/05/2019 03:38:14 PM	13/05/2019 03:38:27 PM	Active
5	L01XE28	ceritinib	13/05/2019 09:43:23 AM	13/05/2019 09:43:43 AM	Active
5	H01AB01	thyrotropin alfa	01/11/2013 10:22:04 PM	02/05/2019 03:46:45 PM	Active

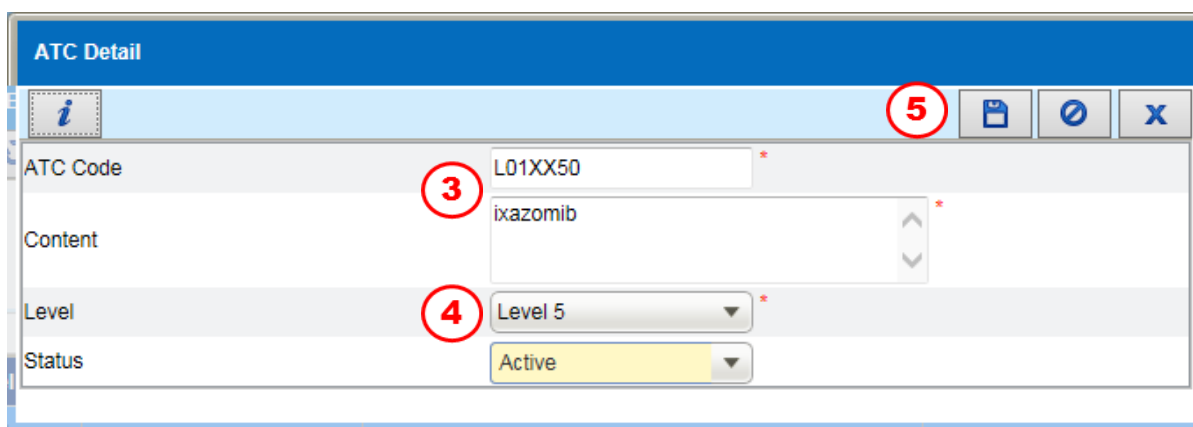
Figure 3.5.1-1 ATC Code Details Listing Page

STEP 1

Go to Maintenance menu follow by Pharmacy menu and click on ATC Code Details sub menu.

STEP 2

Click on the  button to create a new record and ATC Detail screen will be displayed as Figure 3.5.1-2



ATC Detail

ATC Code: L01XX50

Content: ixazomib

Level: Level 5

Status: Active

Buttons: Save, Cancel, Close

Figure 3.5.1-2 Add ATC Code Details

STEP 3

Enter **ATC Code** and **Content**

STEP 4

Select **Level** from drop down box:

- **Level 1**
- **Level 2**
- **Level 3**
- **Level 4**

- **Level 5**

STEP 5

Click on the  button to save the record

Note

- System will display a Confirmation Message as Figure 3.5.1-3

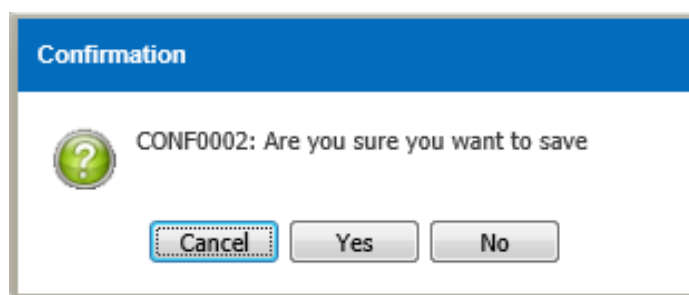
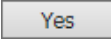
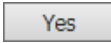


Figure 3.5.1-3 Confirmation Message

- Click on the  button to save the record
- Information Message will display after click on the  button as Figure 3.5.1-4

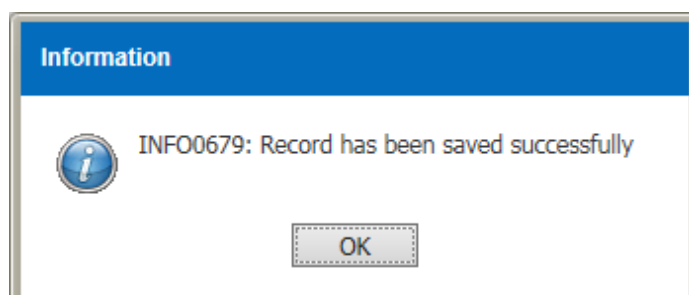
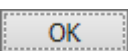
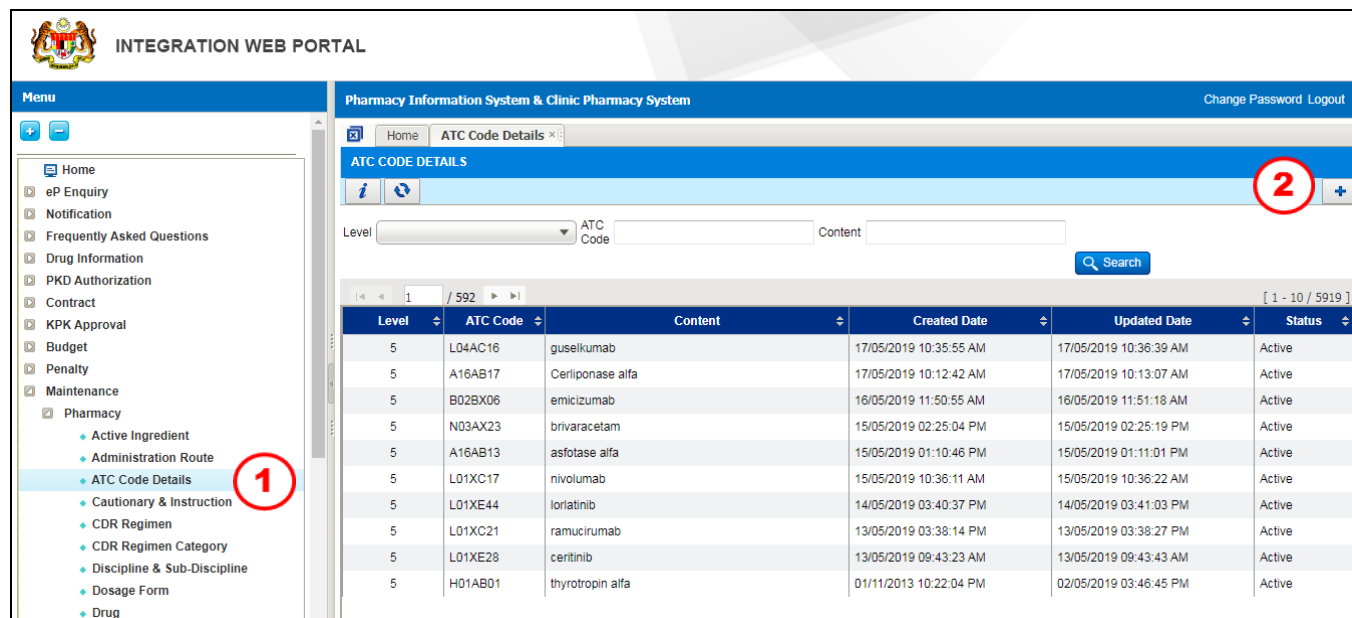


Figure 3.5.1-4 Information Message

Click on the  button to confirmed the record

3.5.2 Modify ATC Code Detail

To modify ATC Code Details records, perform the steps below:



Level	ATC Code	Content	Created Date	Updated Date	Status
5	L04AC16	guselkumab	17/05/2019 10:35:55 AM	17/05/2019 10:36:39 AM	Active
5	A16AB17	Cerliponase alfa	17/05/2019 10:12:42 AM	17/05/2019 10:13:07 AM	Active
5	B02BX06	emicizumab	16/05/2019 11:50:55 AM	16/05/2019 11:51:18 AM	Active
5	N03AX23	brivaracetam	15/05/2019 02:25:04 PM	15/05/2019 02:25:19 PM	Active
5	A16AB13	asfotase alfa	15/05/2019 01:10:46 PM	15/05/2019 01:11:01 PM	Active
5	L01XC17	nivolumab	15/05/2019 10:36:11 AM	15/05/2019 10:36:22 AM	Active
5	L01XE44	lorlatinib	14/05/2019 03:40:37 PM	14/05/2019 03:41:03 PM	Active
5	L01XC21	ramucicromab	13/05/2019 03:38:14 PM	13/05/2019 03:38:27 PM	Active
5	L01XE28	ceritinib	13/05/2019 09:43:23 AM	13/05/2019 09:43:43 AM	Active
5	H01AB01	thyrotropin alfa	01/11/2013 10:22:04 PM	02/05/2019 03:46:45 PM	Active

Figure 3.5.2-1 ATC Code Details Listing Page

STEP 1

Go to Maintenance menu follow by Pharmacy menu and click on ATC Code Detail sub menu.

STEP 2

Click on the selected record

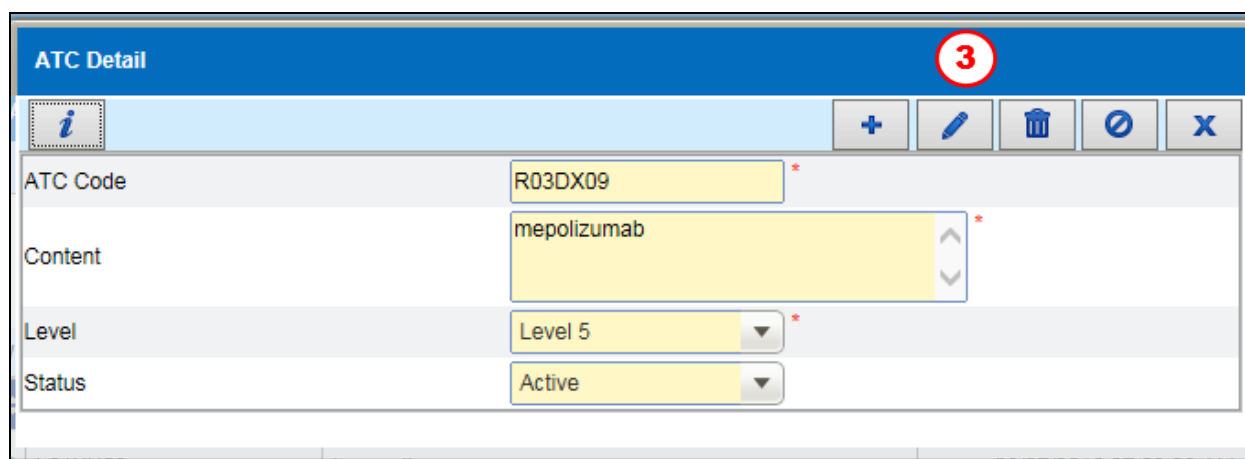
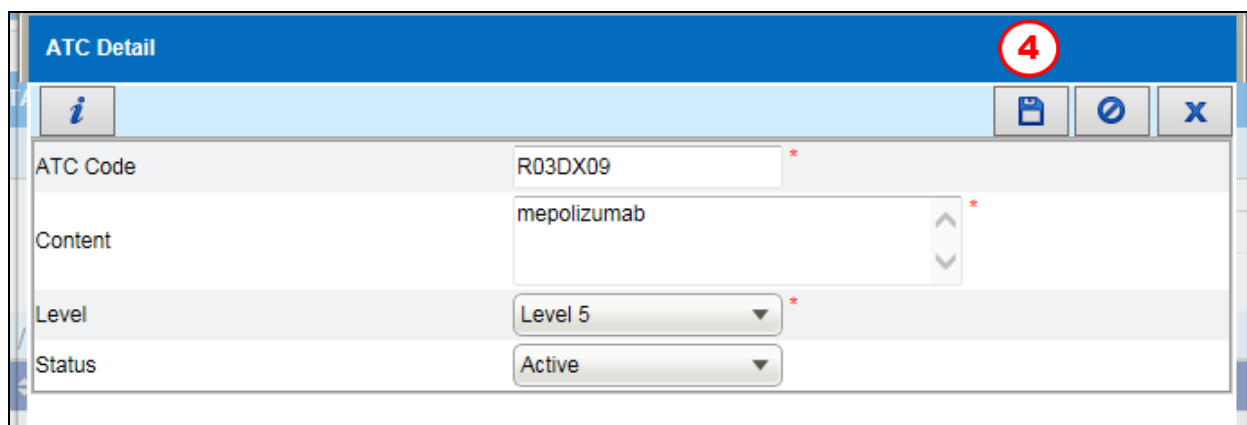


Figure 3.5.2-2 Edit ATC Code Details

STEP 3

Click on the  button to edit the record



ATC Detail

ATC Code: R03DX09 *

Content: mepolizumab *

Level: Level 5 *

Status: Active

Figure 3.5.2-3 Edit ATC Code Details

Note

User is allowing to edit:

- **ATC Code**
- **Content**
- **Level**
- **Status**

STEP 4

Click on the  button to save the edited record

Note

- System will display a Confirmation Message as Figure 3.5.2-4

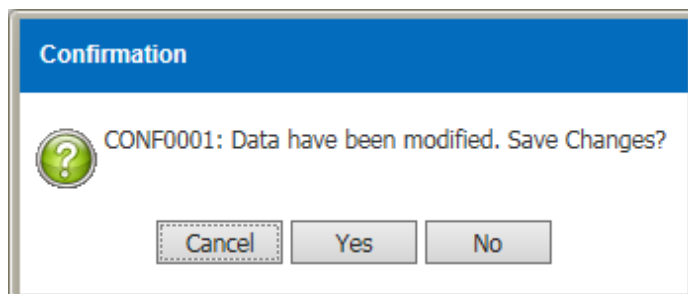
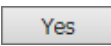
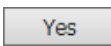


Figure 3.5.2-4 Confirmation Message

- Click on the  button to save the edited record
- Information Message will display after click on the  button as Figure 3.5.2-5

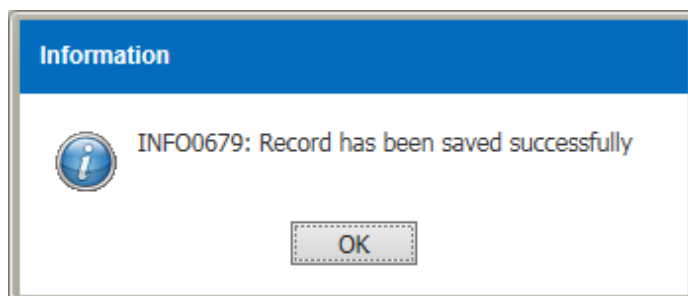
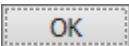


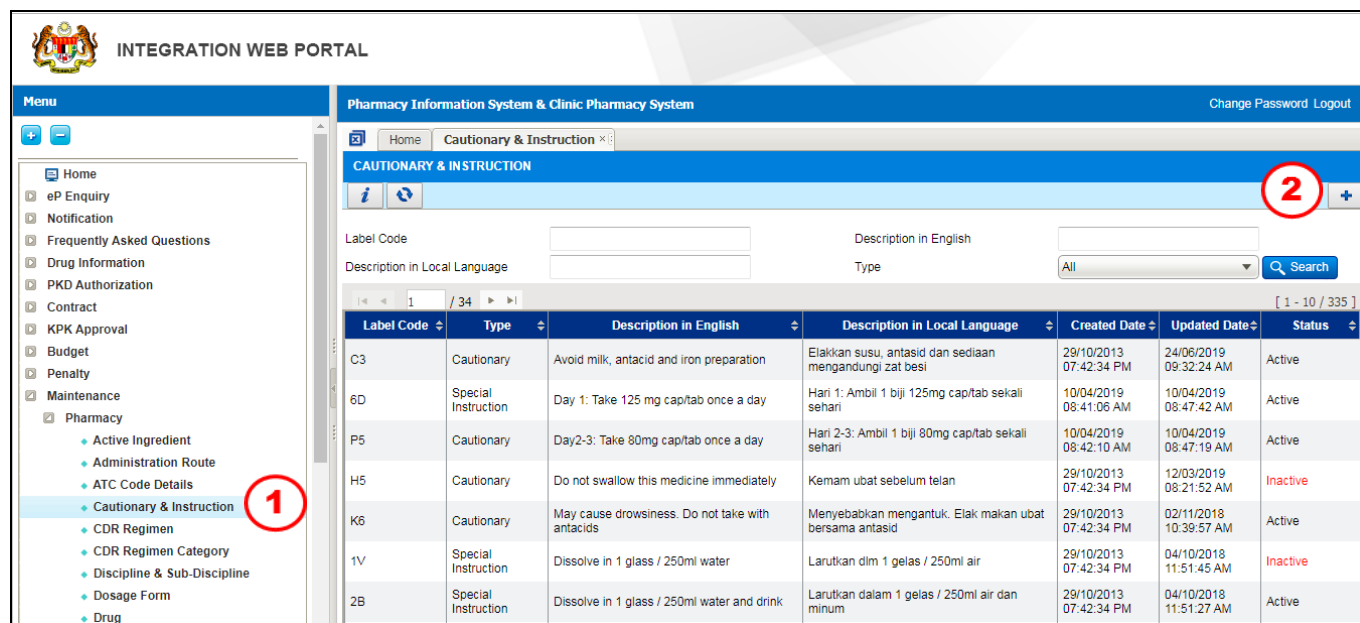
Figure 3.5.2-5 Information Message

- Click on the  button to confirmed the edited record

3.6 Cautionary and Instruction

3.6.1 Create New Cautionary and Instruction

To Create New Cautionary and Instruction records, perform the steps below:



Label Code	Type	Description in English	Description in Local Language	Created Date	Updated Date	Status
C3	Cautionary	Avoid milk, antacid and iron preparation	Elakkan susu, antasid dan sediaan mengandungi zat besi	29/10/2013 07:42:34 PM	24/06/2019 09:32:24 AM	Active
6D	Special Instruction	Day 1: Take 125 mg captab once a day	Hari 1: Ambil 1 biji 125mg captab sekali sehari	10/04/2019 08:41:06 AM	10/04/2019 08:47:42 AM	Active
P5	Cautionary	Day2-3: Take 80mg captab once a day	Hari 2-3: Ambil 1 biji 80mg captab sekali sehari	10/04/2019 08:42:10 AM	10/04/2019 08:47:19 AM	Active
H5	Cautionary	Do not swallow this medicine immediately	Kemam ubat sebelum telan	29/10/2013 07:42:34 PM	12/03/2019 08:21:52 AM	Inactive
K6	Cautionary	May cause drowsiness. Do not take with antacids	Menyebabkan mengantuk. Elak makan ubat bersama antasid	29/10/2013 07:42:34 PM	02/11/2018 10:39:57 AM	Active
1V	Special Instruction	Dissolve in 1 glass / 250ml water	Larutkan dlm 1 gelas / 250ml air	29/10/2013 07:42:34 PM	04/10/2018 11:51:45 AM	Inactive
2B	Special Instruction	Dissolve in 1 glass / 250ml water and drink	Larutkan dalam 1 gelas / 250ml air dan minum	29/10/2013 07:42:34 PM	04/10/2018 11:51:27 AM	Active

Figure 3.6.1-1 Cautionary And Instruction Listing Page

STEP 1

Go to Maintenance menu and click on Pharmacy and Cautionary & Instruction sub menu.

STEP 2

Click on the  button to create a new record and Cautionary And Instruction screen will be displayed as Figure 3.6.1-1

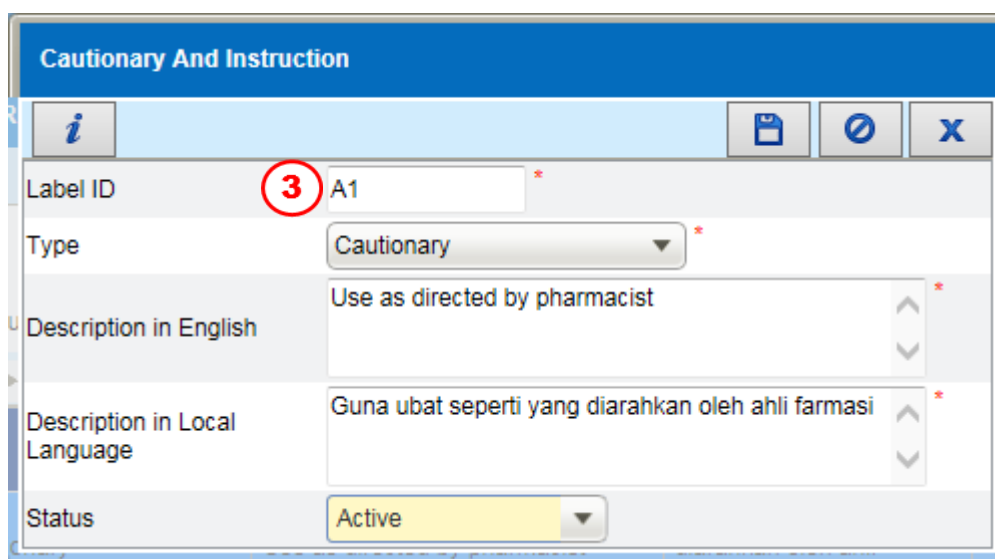


Figure 3.6.1-2 Add Cautionary And Instruction

STEP 3

Enter **Label ID**

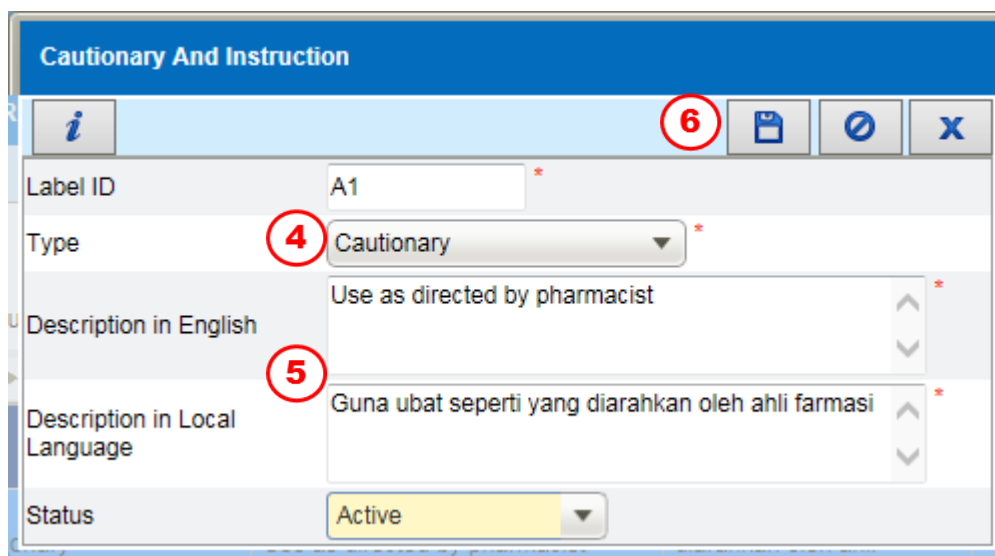


Figure 3.6.1-3 Add Cautionary And Instruction

STEP 4

Select **Type** from drop down box:

- **Administrative Instruction**
- **Cautionary**
- **Special Instruction**

STEP 5

Enter **Description in English** and **Description in Local Language**

STEP 6

Click on the  button to save the record

Note

- System will display a Confirmation Message as Figure 3.6.1-4

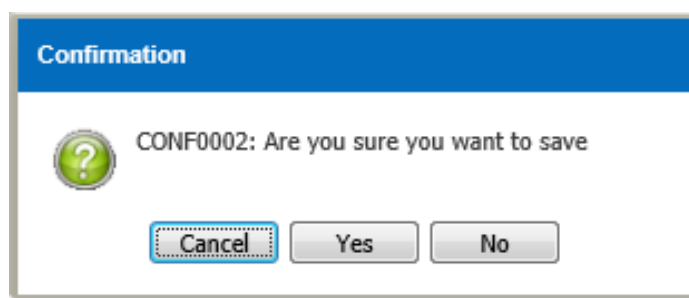
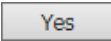
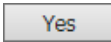


Figure 3.6.1-4 Confirmation Message

- Click on the  button to save the record
- Information Message will display after click on the  button as Figure 3.6.1-5

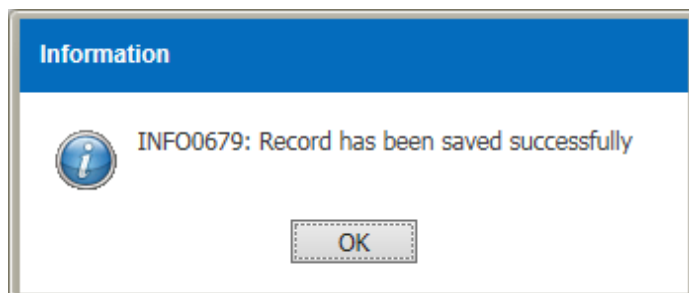
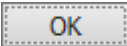
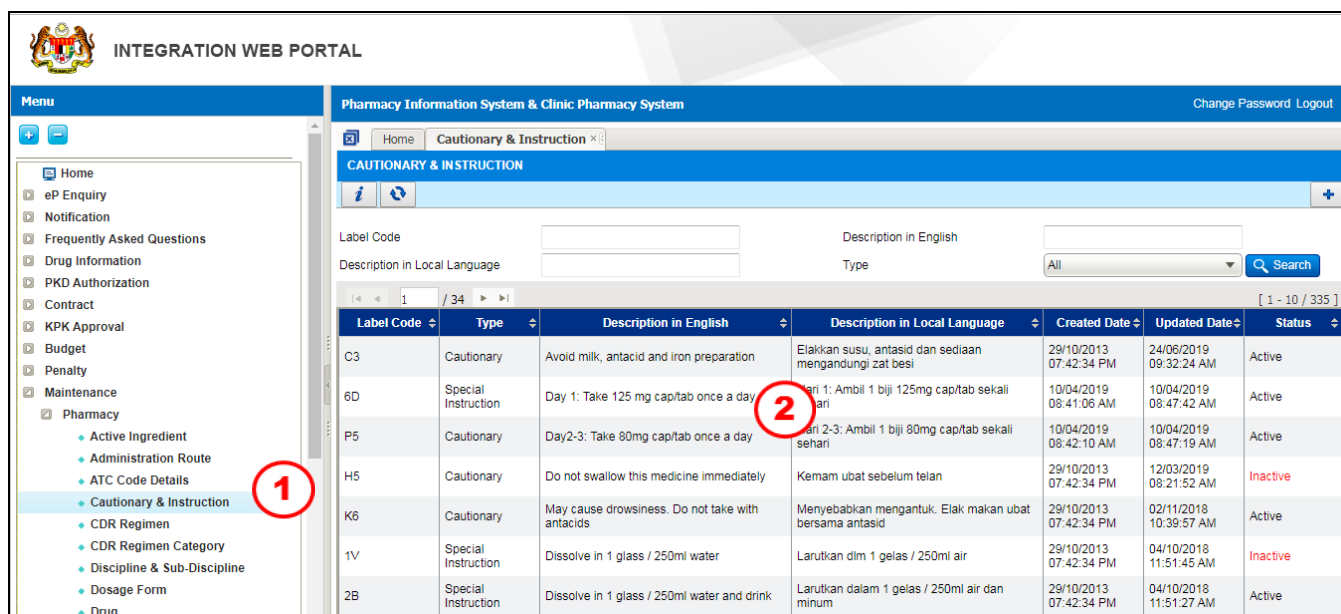


Figure 3.6.1-5 Information Message

- Click on the  button to confirmed the record

3.6.2 Modify Cautionary and Instruction

To modify Cautionary and Instruction records, perform the step below:



Label Code	Type	Description in English	Description in Local Language	Created Date	Updated Date	Status
C3	Cautionary	Avoid milk, antacid and iron preparation	Elakkan susu, antasid dan sediaan mengandungi zat besi	29/10/2013 07:42:34 PM	24/06/2019 09:32:24 AM	Active
6D	Special Instruction	Day 1: Take 125 mg cap/tab once a day	Hari 1: Ambil 1 biji 125mg cap/tab sekali sehari	10/04/2019 08:41:06 AM	10/04/2019 08:47:42 AM	Active
P5	Cautionary	Day2-3: Take 80mg cap/tab once a day	Hari 2-3: Ambil 1 biji 80mg cap/tab sekali sehari	10/04/2019 08:42:10 AM	10/04/2019 08:47:19 AM	Active
H5	Cautionary	Do not swallow this medicine immediately	Kemam ubat sebelum telan	29/10/2013 07:42:34 PM	12/03/2019 08:21:52 AM	Inactive
K6	Cautionary	May cause drowsiness. Do not take with antacids	Menyebabkan mengantuk. Elak makan ubat bersama antasid	29/10/2013 07:42:34 PM	02/11/2018 10:39:57 AM	Active
1V	Special Instruction	Dissolve in 1 glass / 250ml water	Larutkan dim 1 gelas / 250ml air	29/10/2013 07:42:34 PM	04/10/2018 11:51:45 AM	Inactive
2B	Special Instruction	Dissolve in 1 glass / 250ml water and drink	Larutkan dalam 1 gelas / 250ml air dan minum	29/10/2013 07:42:34 PM	04/10/2018 11:51:27 AM	Active

Figure 3.6.2-1 Cautionary And Instruction Listing Page

STEP 1

Go to Maintenance menu follow by Pharmacy menu and click on Cautionary and Instruction sub menu.

STEP 2

Click on the selected record

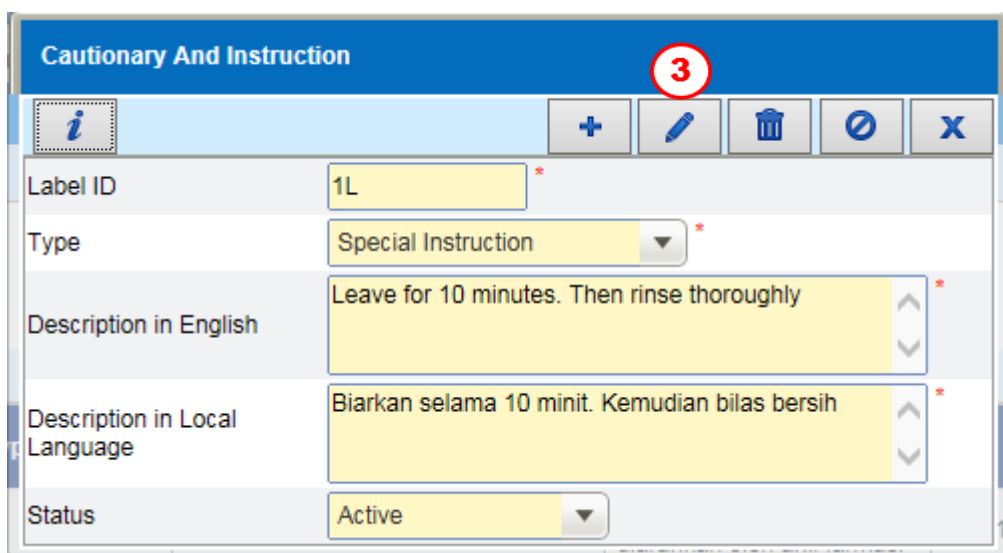


Figure 3.6.2-2 Add Cautionary And Instruction

STEP 3

Click on the  button to edit the record

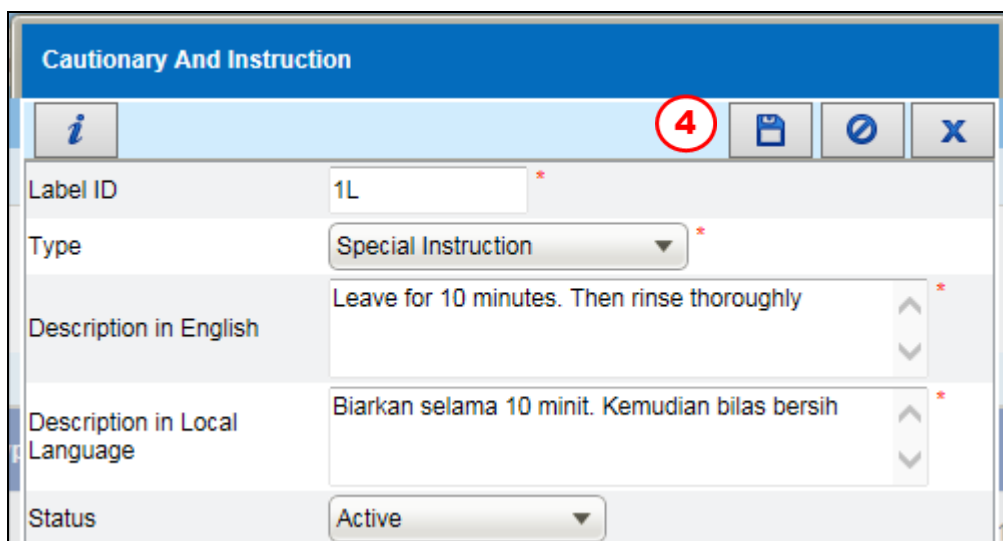


Figure 3.6.2-3 Add Cautionary And Instruction

Note

User is allowing to edit:

- **Label ID**
- **Type**
- **Description in English and Description in Local Language**
- **Status**

STEP 4

Click on the  button to save the edited record

Note

- System will display a Confirmation Message as Figure 3.6.2-4

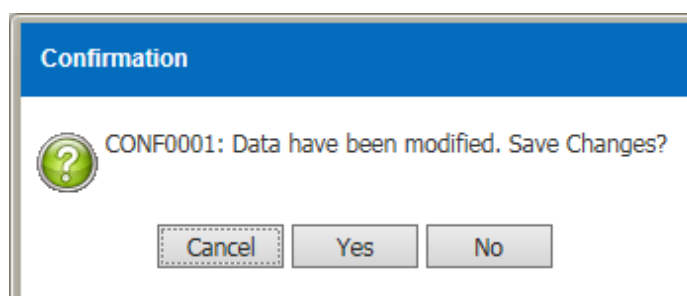
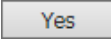
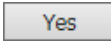


Figure 3.6.2-4 Confirmation Message

- Click on the  button to save the edited record
- Information Message will display after click on the  button as Figure 3.6.2-5

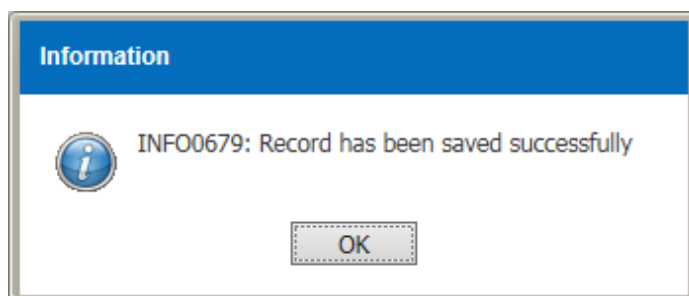
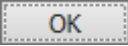


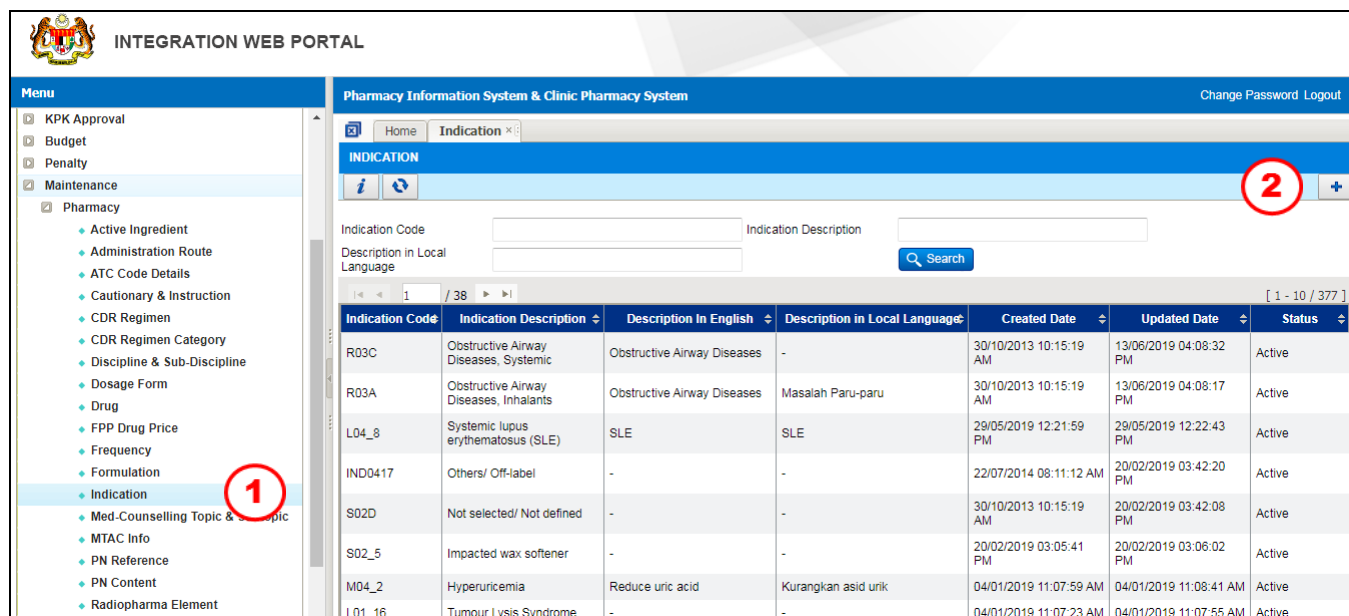
Figure 3.6.2-5 Information Message

- Click on the  button to confirmed the edited record

3.7 Indication

3.7.1 Create New Indication

To Create New Indication records, perform the steps below:



Integration Web Portal

Pharmacy Information System & Clinic Pharmacy System

Change Password Logout

Home Indication *

INDICATION

Indication Code: Indication Description: Search

Indication Code	Indication Description	Description In English	Description in Local Language	Created Date	Updated Date	Status
R03C	Obstructive Airway Diseases, Systemic	Obstructive Airway Diseases	-	30/10/2013 10:15:19 AM	13/06/2019 04:08:32 PM	Active
R03A	Obstructive Airway Diseases, Inhalants	Obstructive Airway Diseases	Masalah Paru-paru	30/10/2013 10:15:19 AM	13/06/2019 04:08:17 PM	Active
L04_8	Systemic lupus erythematosus (SLE)	SLE	SLE	29/05/2019 12:21:59 PM	29/05/2019 12:22:43 PM	Active
IND0417	Others/ Off-label	-	-	22/07/2014 08:11:12 AM	20/02/2019 03:42:20 PM	Active
S02D	Not selected/ Not defined	-	-	30/10/2013 10:15:19 AM	20/02/2019 03:42:08 PM	Active
S02_5	Impacted wax softener	-	-	20/02/2019 03:05:41 PM	20/02/2019 03:06:02 PM	Active
M04_2	Hyperuricemia	Reduce uric acid	Kurangkan asid urik	04/01/2019 11:07:59 AM	04/01/2019 11:08:41 AM	Active
L01_16	Tumour Lysis Syndrome	-	-	04/01/2019 11:07:23 AM	04/01/2019 11:07:55 AM	Active

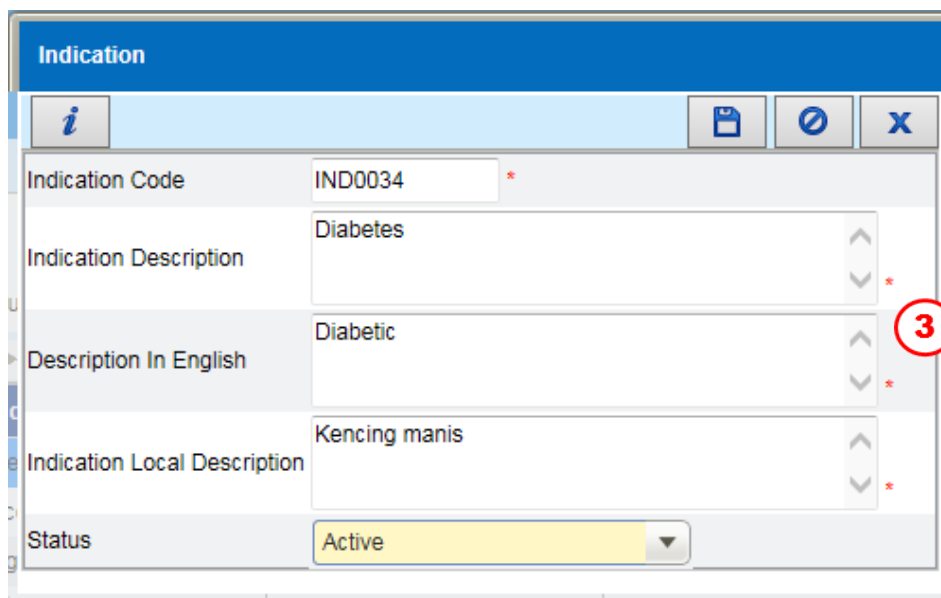
Figure 3.7.1-1 Indication Listing Page

STEP 1

Go to Maintenance menu follow by Pharmacy menu and click on Indication sub menu.

STEP 2

Click on the  button to create a new record and Indication screen will be displayed as Figure 3.7.1-2



Indication

Indication Code: IND0034 *

Indication Description: Diabetes *

Description In English: Diabetic *

Indication Local Description: Kencing manis *

Status: Active

Figure 3.7.1-2 Indication

STEP 3

Enter **Indication Code**, **Indication Description**, **Description in English** and **Indication Local Description**

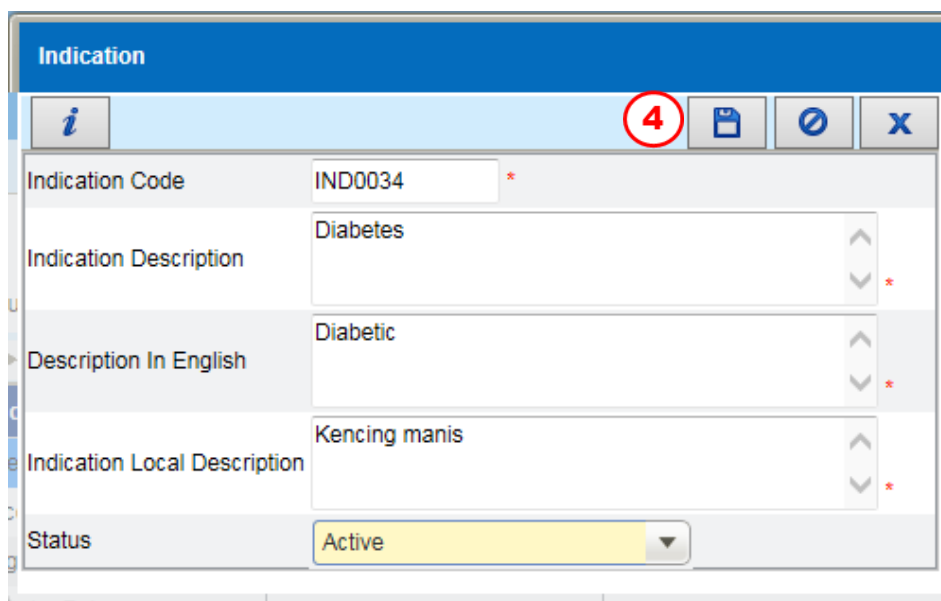


Figure 3.7.1-3 Indication

STEP 4

Click on the  button to save the record

Note

- System will display a Confirmation Message as Figure 3.7.1-4

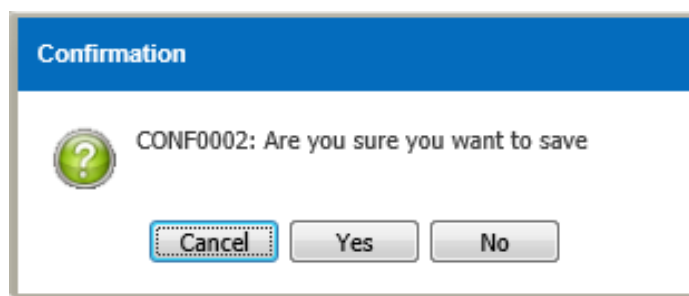
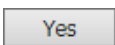
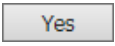


Figure 3.7.1-4 Confirmation Message

- Click on the  button to save the record
- Information Message will display after click on the  button as Figure 3.7.1-5

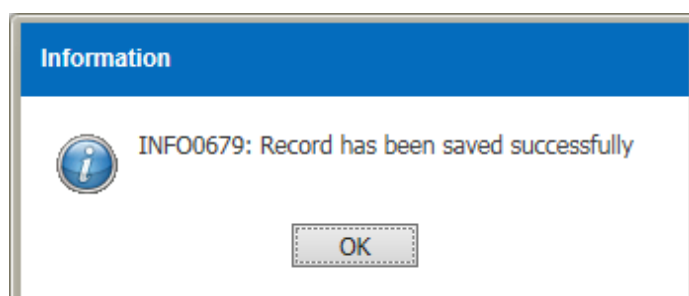
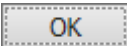
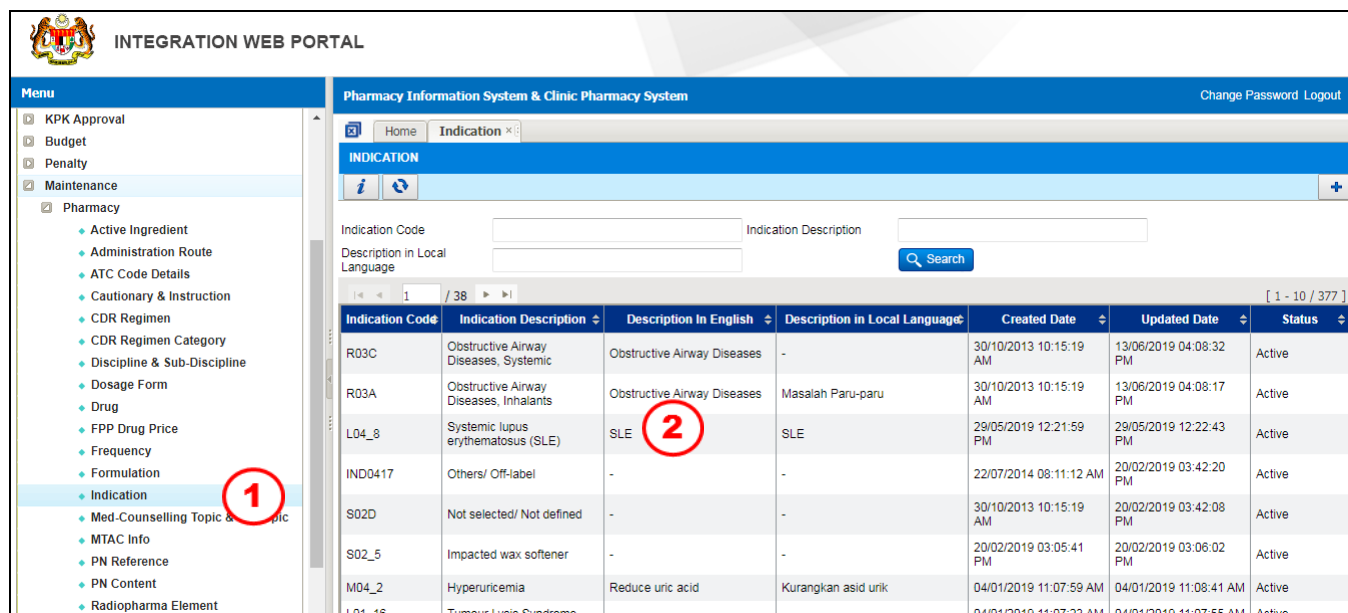


Figure 3.7.1-5 Information Message

- Click on the  button to confirmed the record

3.7.2 Modify Indication

To modify Indication records, perform the steps below:



Indication Code	Indication Description	Description In English	Description in Local Language	Created Date	Updated Date	Status
R03C	Obstructive Airway Diseases, Systemic	Obstructive Airway Diseases	-	30/10/2013 10:15:19 AM	13/06/2019 04:08:32 PM	Active
R03A	Obstructive Airway Diseases, Inhalants	Obstructive Airway Diseases	Masalah Paru-paru	30/10/2013 10:15:19 AM	13/06/2019 04:08:17 PM	Active
L04_8	Systemic lupus erythematosus (SLE)	SLE	SLE	29/05/2019 12:21:59 PM	29/05/2019 12:22:43 PM	Active
IND0417	Others/ Off-label	-	-	22/07/2014 08:11:12 AM	20/02/2019 03:42:20 PM	Active
S02D	Not selected/ Not defined	-	-	30/10/2013 10:15:19 AM	20/02/2019 03:42:08 PM	Active
S02_5	Impacted wax softener	-	-	20/02/2019 03:05:41 PM	20/02/2019 03:06:02 PM	Active
M04_2	Hyperuricemia	Reduce uric acid	Kurangkan asid urik	04/01/2019 11:07:59 AM	04/01/2019 11:08:41 AM	Active
L01_16	Tumour Lysis Syndrome	-	-	04/01/2019 11:07:23 AM	04/01/2019 11:07:55 AM	Active

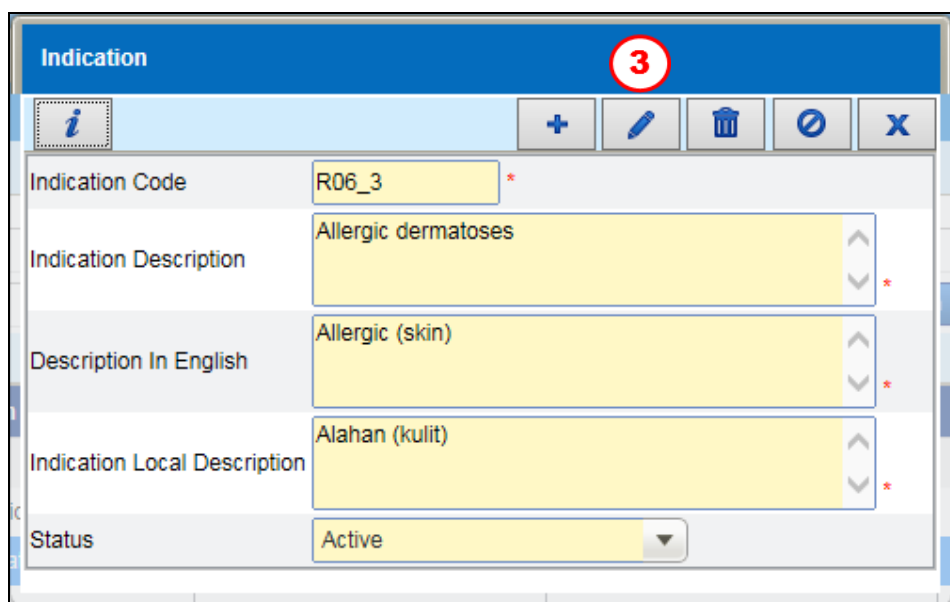
Figure 3.7.2-1 Indication Listing Page

STEP 1

Go to Maintenance menu follow by Pharmacy menu and click on Indication sub menu.

STEP 2

Click on the selected record



Indication	
Indication Code	R06_3 *
Indication Description	Allergic dermatoses *
Description In English	Allergic (skin) *
Indication Local Description	Alahan (kulit) *
Status	Active

Figure 3.7.2-2 Edit Indication Listing Page

STEP 3

Click on the  button to edit the record

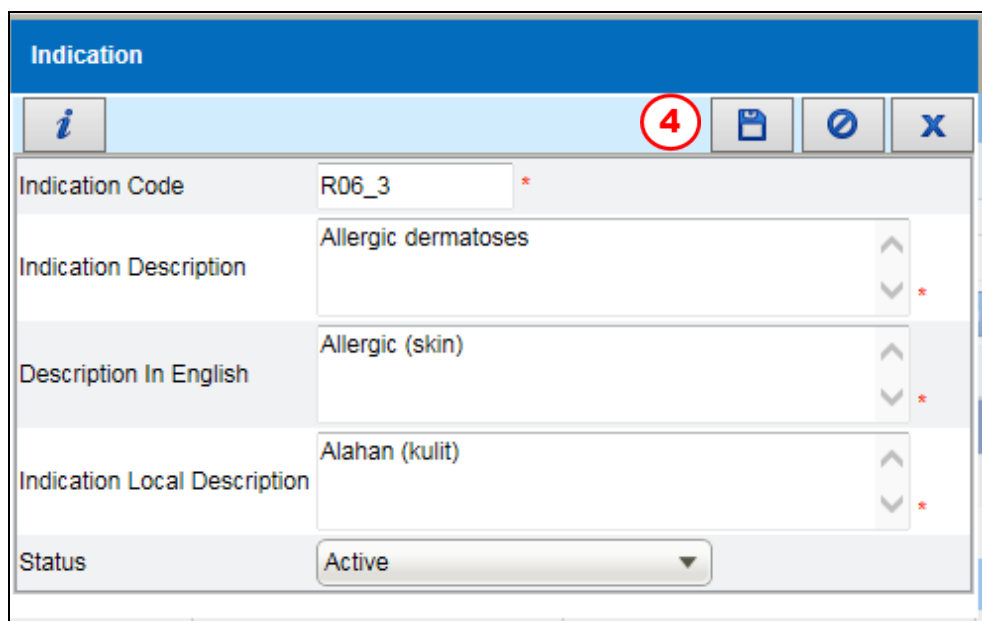


Figure 3.7.2-3 Edit Indication Listing Page

Note

User is allowing to edit:

- **Indication Code**
- **Indication Description**
- **Description in English**
- **Indication Local Description**
- **Status**

STEP 4

Click on the  button to save the edited record

Note

- System will display a Confirmation Message as Figure 3.7.2-4

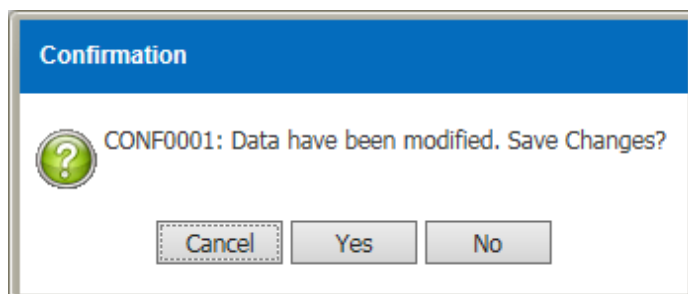
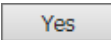
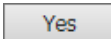


Figure 3.7.2-4 Confirmation Message

- Click on the  button to save the edited record
- Information Message will display after click on the  button as Figure 3.7.2-5

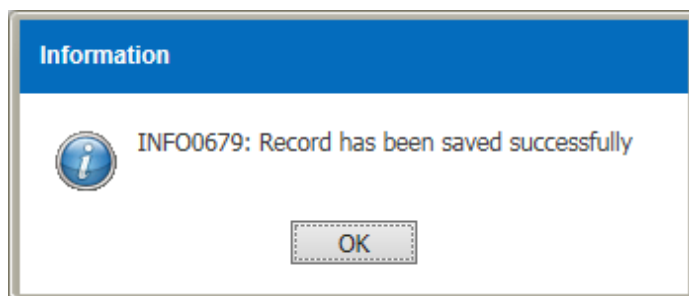
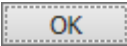
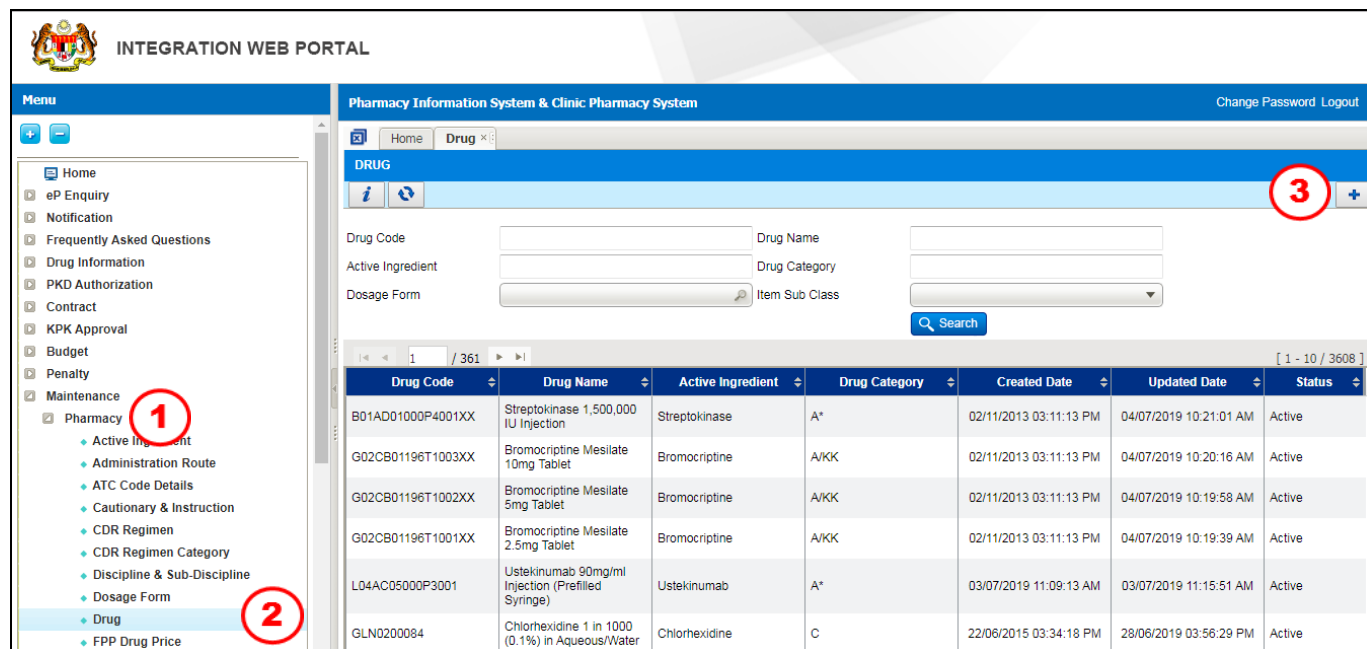


Figure 3.7.2-5 Information Message

- Click on the  button to confirmed the edited record

3.8 Drug

To create and modify Drug records, perform the steps below:



INTEGRATION WEB PORTAL

Pharmacy Information System & Clinic Pharmacy System

Change Password Logout

Home Drug

DRUG

Drug Code: [] Drug Name: []

Active Ingredient: [] Drug Category: []

Dosage Form: [] Item Sub Class: []

Search

Drug Code	Drug Name	Active Ingredient	Drug Category	Created Date	Updated Date	Status
B01AD01000P4001XX	Streptokinase 1,500,000 IU Injection	Streptokinase	A*	02/11/2013 03:11:13 PM	04/07/2019 10:21:01 AM	Active
G02CB01196T1003XX	Bromocriptine Mesilate 10mg Tablet	Bromocriptine	A/KK	02/11/2013 03:11:13 PM	04/07/2019 10:20:16 AM	Active
G02CB01196T1002XX	Bromocriptine Mesilate 5mg Tablet	Bromocriptine	A/KK	02/11/2013 03:11:13 PM	04/07/2019 10:19:58 AM	Active
G02CB01196T1001XX	Bromocriptine Mesilate 2.5mg Tablet	Bromocriptine	A/KK	02/11/2013 03:11:13 PM	04/07/2019 10:19:39 AM	Active
L04AC05000P3001	Ustekinumab 90mg/ml Injection (Prefilled Syringe)	Ustekinumab	A*	03/07/2019 11:09:13 AM	03/07/2019 11:15:51 AM	Active
GLN0200084	Chlorhexidine 1 in 1000 (0.1%) in Aqueous/Water	Chlorhexidine	C	22/06/2015 03:34:18 PM	28/06/2019 03:56:29 PM	Active

Figure 3.8-1 Drug Listing Page

STEP 1

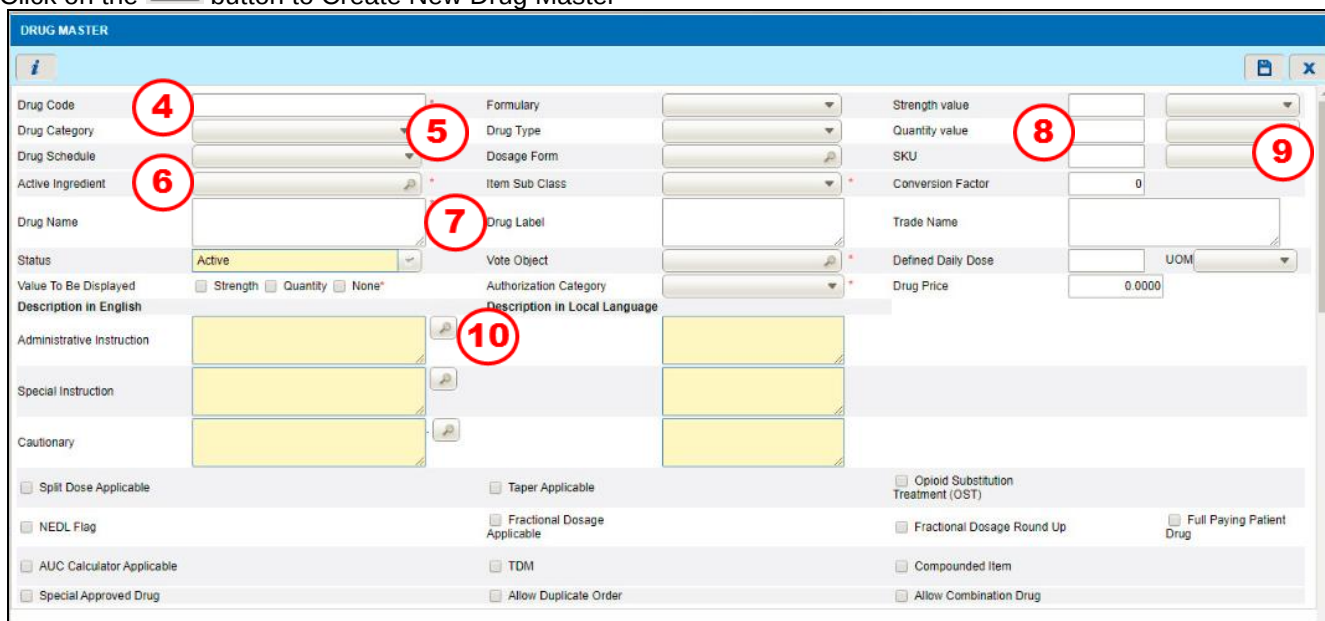
Go to "Maintenance" menu and click on pharmacy

STEP 2

Click on "Drug Master"

STEP 3

Click on the  button to Create New Drug Master



DRUG MASTER

Drug Code: [] Formulary: [] Strength value: []

Drug Category: [] Drug Type: [] Quantity value: []

Drug Schedule: [] Dosage Form: [] SKU: []

Active Ingredient: [] Item Sub Class: [] Conversion Factor: []

Drug Name: [] Drug Label: [] Trade Name: []

Status: [] Vote Object: [] Defined Daily Dose: [] UOM: []

Value To Be Displayed: ☐ Strength ☐ Quantity ☐ None*

Authorization Category: [] Drug Price: []

Description in English: [] Description in Local Language: []

Administrative Instruction: []

Special Instruction: []

Cautionary: []

☐ Split Dose Applicable ☐ Taper Applicable ☐ Opioid Substitution Treatment (OST)

☐ NEDL Flag ☐ Fractional Dosage Applicable ☐ Fractional Dosage Round Up ☐ Full Paying Patient Drug

☐ AUC Calculator Applicable ☐ TDM ☐ Compounded Item

☐ Special Approved Drug ☐ Allow Duplicate Order ☐ Allow Combination Drug

Figure 3.8-2 Drug

STEP 4

Insert Drug Code

STEP 5

Choose drug category

STEP 6

Select Active Ingredient

STEP 7

Insert Drug Name

STEP 8

Insert Quantity value and select drug form

STEP 9

Insert SKU and select drug form

STEP 10

Select Administration Instruction, Special Instruction and Cautionary if need to fill up for particular drug
Tick check box if there is any indication for that particular drug

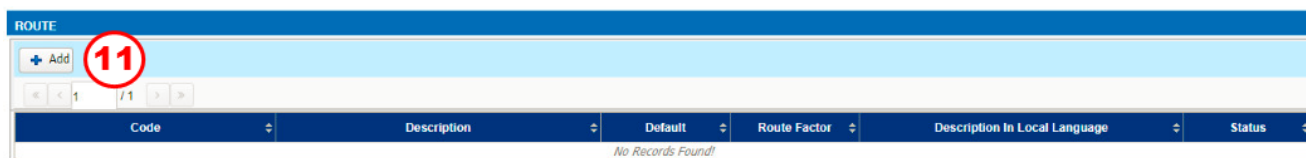


Figure 3.8-3 Drug Route

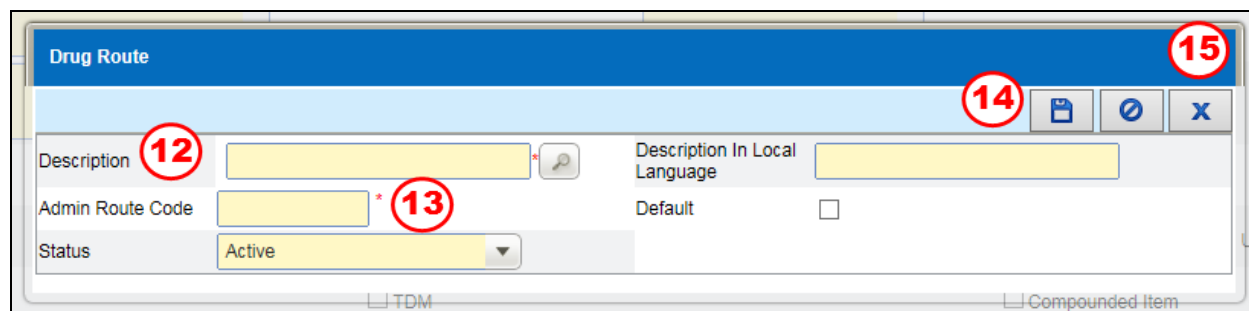


Figure 3.8-4 Drug Route

STEP 11

Click on the  button to Add Route for drug

STEP 12

Select Description

STEP 13

Insert Code

STEP 14

Click on the  button to save the Drug Route record

STEP 15

Click on the  button to close record



Figure 3.8-5 Drug Frequency

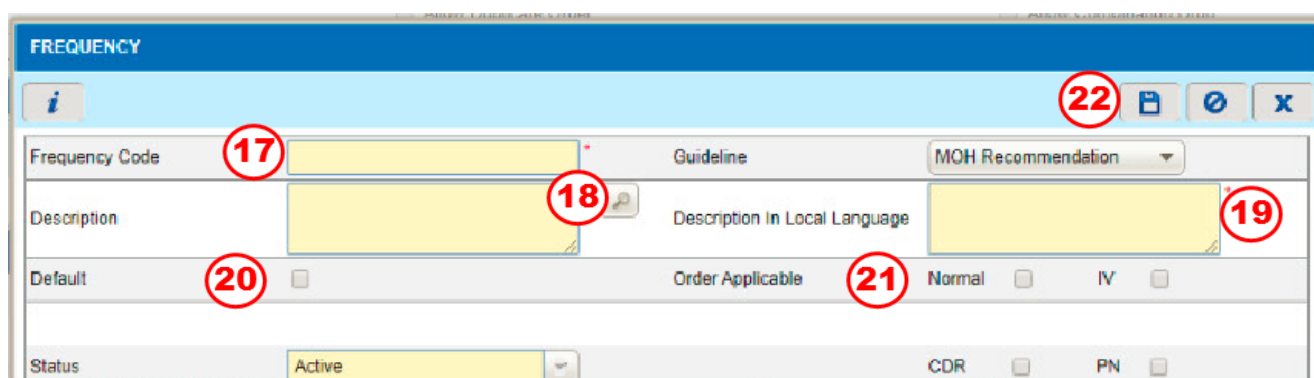


Figure 3.8-6 Drug Frequency

STEP 16

Click on the  button to Add Frequency for drug

STEP 17

Insert Frequency Code

STEP 18

Select Description

STEP 19

Insert Description In Local Language

STEP 20

Set default by click the  checkbox

STEP 21

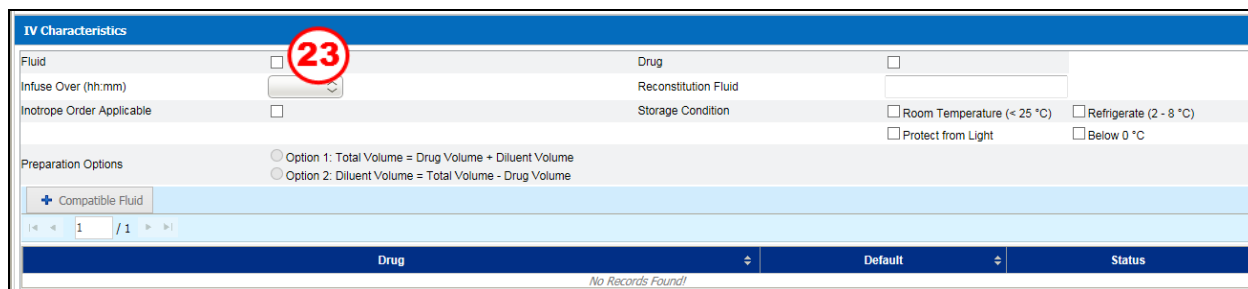
Set order Applicable by click the  checkbox

STEP 22

Click on the  button to save the Frequency record

Note

Click on the  button to close record



IV Characteristics

Fluid ☐ **23** Drug ☐

Infuse Over (hh:mm) Reconstitution Fluid

Inotrope Order Applicable ☐ Storage Condition ☐ Room Temperature (< 25 °C) ☐ Refrigerate (2 - 8 °C) ☐

Preparation Options

☐ Option 1: Total Volume = Drug Volume + Diluent Volume

☐ Option 2: Diluent Volume = Total Volume - Drug Volume

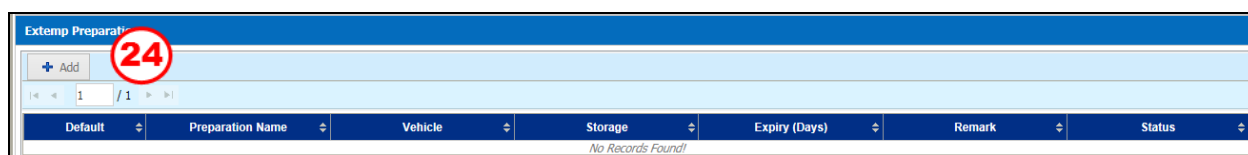
/

Drug	Default	Status
No Records Found!		

Figure 3.8-7 Drug IV

STEP 23

Select any field in the IV Characteristics if drug from IV group



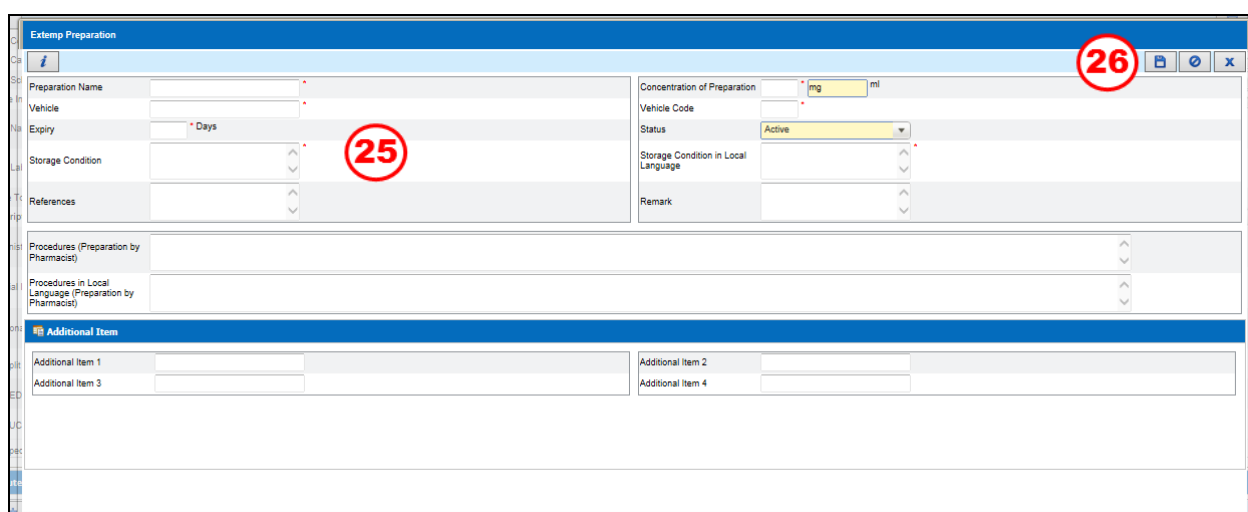
Extemp Preparation

24

/

Default	Preparation Name	Vehicle	Storage	Expiry (Days)	Remark	Status
No Records Found!						

Figure 3.8-8 Drug Extemp



Extemp Preparation

Preparation Name

Vehicle

Expiry Days

Storage Condition

References

Concentration of Preparation mg ml

Vehicle Code

Status

Storage Condition in Local Language

Remark

Procedures (Preparation by Pharmacist)

Procedures in Local Language (Preparation by Pharmacist)

Additional Item

Additional Item 1	Additional Item 2
Additional Item 3	Additional Item 4

25 **26**

Figure 3.8-9 Drug Extemp Preparation

STEP 24

Click if drug is extemp drug

STEP 25

Fill all the mandatory field

STEP 26

Click on the button to save the record



Figure 3.8-10 Drug Indication

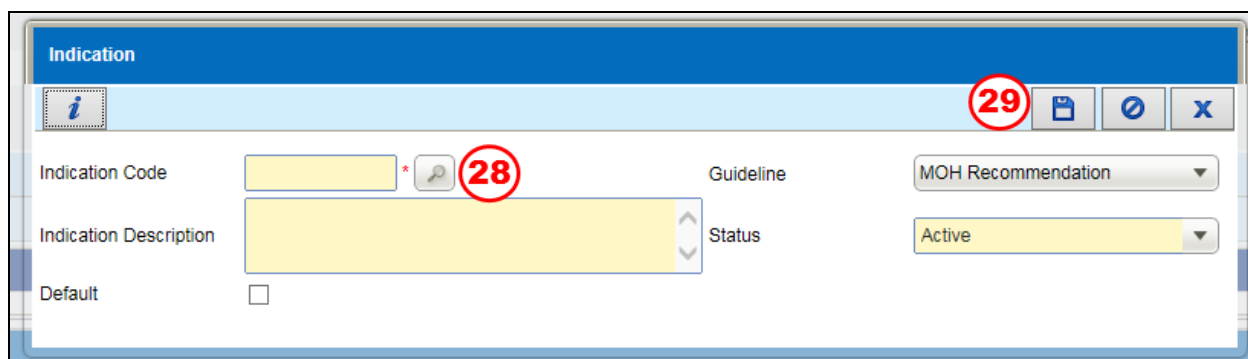


Figure 3.8-11 Drug Indication

STEP 27

Click  to insert drug indication

STEP 28

Fill all the mandatory field

STEP 29

Click on the  button to save the record

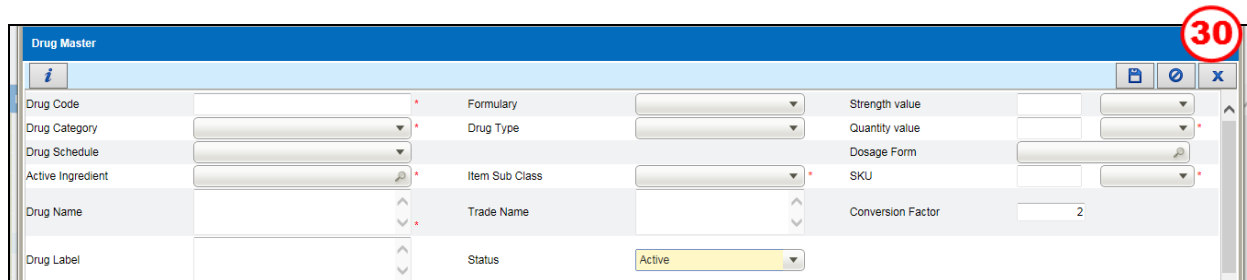


Figure 3.8-12 Drug Master

STEP 30

Click on the  button to save the Drug Master record

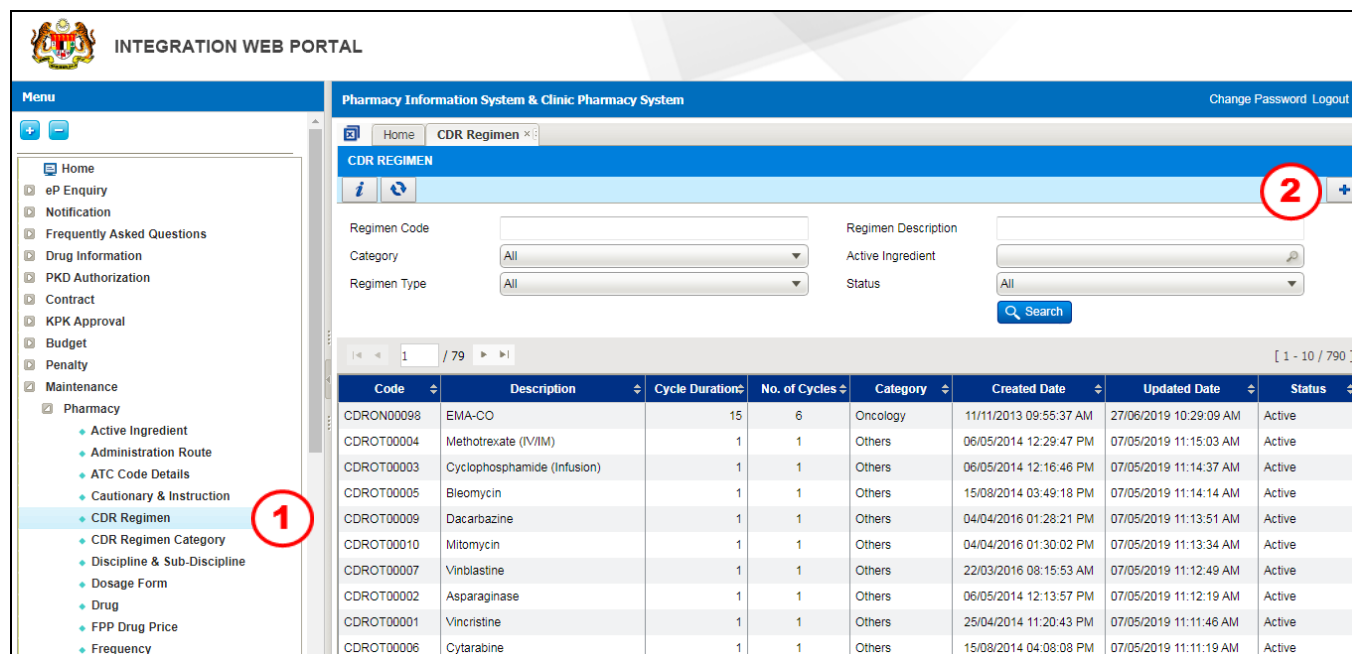
Note

- Click on the  button to close record
- Field with * is mandatory field

3.9 CDR Regimen

3.9.1 Create New CDR Regimen

To Create New CDR Regimen records, perform the steps below:



INTEGRATION WEB PORTAL

Pharmacy Information System & Clinic Pharmacy System

Change Password Logout

Home CDR Regimen

CDR REGIMEN

Regimen Code: [] Regimen Description: []

Category: [All] Active Ingredient: []

Regimen Type: [All] Status: [All]

[Search]

[1 - 10 / 790]

Code	Description	Cycle Durations	No. of Cycles	Category	Created Date	Updated Date	Status
CDRON00099	EMA-CO	15	6	Oncology	11/11/2013 09:55:37 AM	27/06/2019 10:29:09 AM	Active
CDROT00004	Methotrexate (IV/IM)	1	1	Others	06/05/2014 12:29:47 PM	07/05/2019 11:15:03 AM	Active
CDROT00003	Cyclophosphamide (Infusion)	1	1	Others	06/05/2014 12:16:46 PM	07/05/2019 11:14:37 AM	Active
CDROT00005	Bleomycin	1	1	Others	15/08/2014 03:49:18 PM	07/05/2019 11:14:14 AM	Active
CDROT00009	Dacarbazine	1	1	Others	04/04/2016 01:28:21 PM	07/05/2019 11:13:51 AM	Active
CDROT00010	Mitomycin	1	1	Others	04/04/2016 01:30:02 PM	07/05/2019 11:13:34 AM	Active
CDROT00007	Vinblastine	1	1	Others	22/03/2016 08:15:53 AM	07/05/2019 11:12:49 AM	Active
CDROT00002	Asparaginase	1	1	Others	06/05/2014 12:13:57 PM	07/05/2019 11:12:19 AM	Active
CDROT00001	Vincristine	1	1	Others	25/04/2014 11:20:43 PM	07/05/2019 11:11:46 AM	Active
CDROT00006	Cytarabine	1	1	Others	15/08/2014 04:08:08 PM	07/05/2019 11:11:19 AM	Active

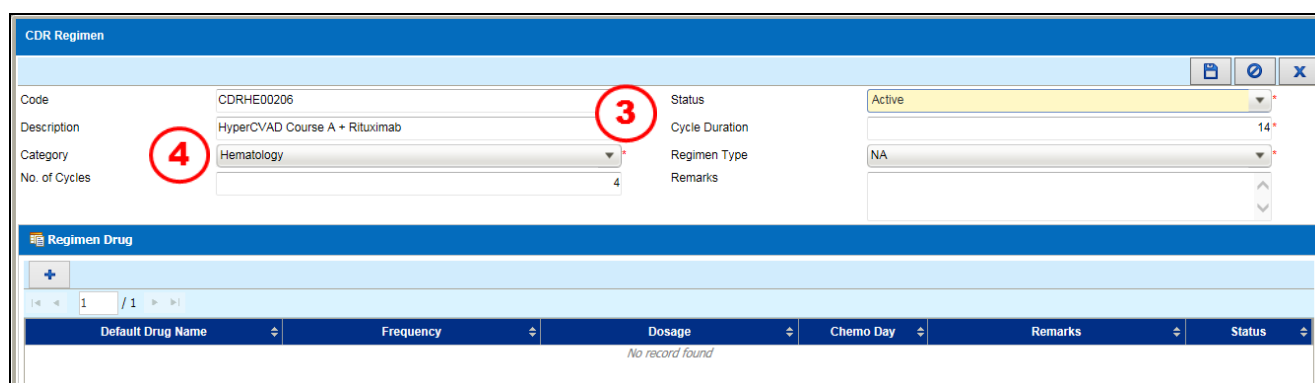
Figure 3.9.1-1 CDR Regimen Listing Page

STEP 1

Click on the Pharmacy menu followed by click on the CDR Regimen menu

STEP 2

Click on the  button to add new record and CDR Regimen screen will be displayed as Figure 3.9.1-2



CDR Regimen

Code: CDRHE00206 Status: Active

Description: HyperCVAD Course A + Rituximab Cycle Duration: 14

Category: Hematology Regimen Type: NA

No. of Cycles: 4 Remarks: []

Regimen Drug

Default Drug Name	Frequency	Dosage	Chemo Day	Remarks	Status
No record found					

Figure 3.9.1-2 CDR Regimen Master

STEP 3

Enter **Code** and **Description**

STEP 4

Select **Category** from drop down box:

- Hematology
- Oncology

- Others
- Paediatric

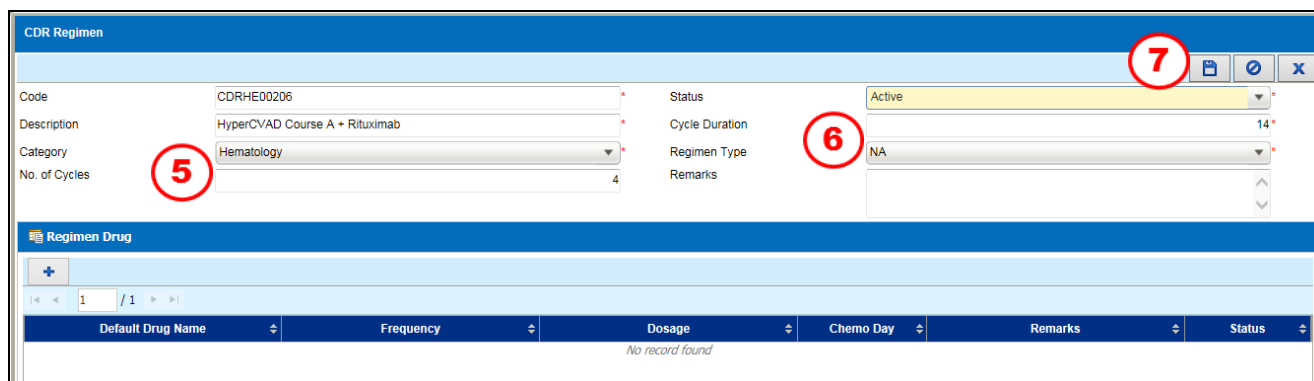


Figure 3.9.1-3 CDR Regimen Master

STEP 5

Enter **No. of Cycles**

STEP 6

Enter **Cycle Duration** and **Regimen Type**

Note

Regimen Type will display information based on selected **Category**

STEP 7

Click on the  button to save the data

Note

- Confirmation message as shown in Figure 3.9.1-4 will be displayed after user save the record

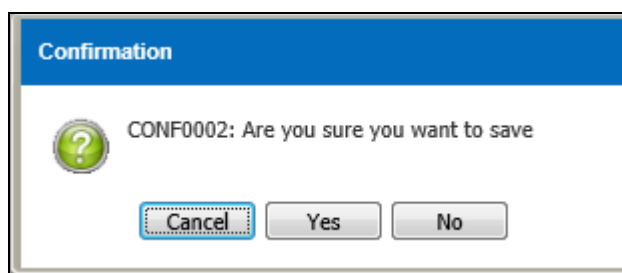


Figure 3.9.1-4 Confirmation Message

- Record will save when user click on the  button as shown in Figure 3.9.1-5

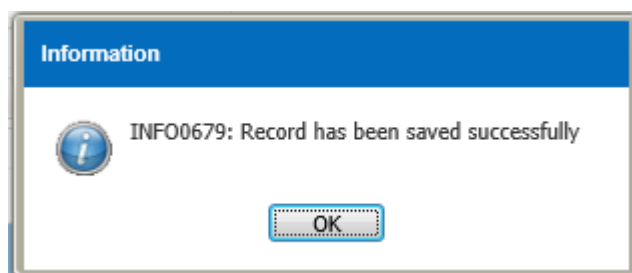
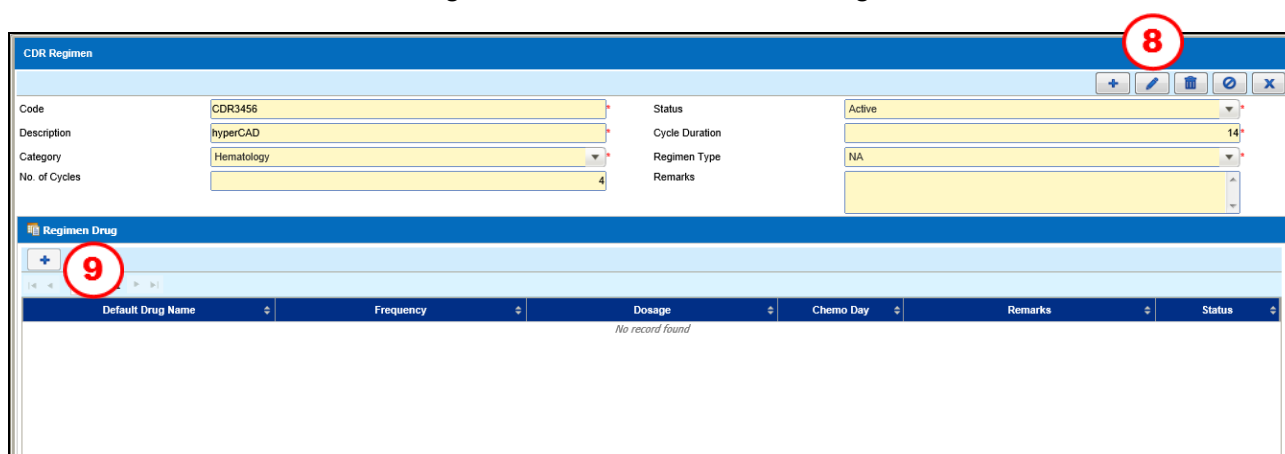


Figure 3.9.1-5 Confirmation Message



The screenshot shows the "CDR Regimen" form. At the top right, a red circle with the number "8" highlights the toolbar containing buttons for add, edit, delete, refresh, and close. The form fields are as follows:

Code	CDR3456	Status	Active
Description	hyperCAD	Cycle Duration	14
Category	Hematology	Regimen Type	NA
No. of Cycles	4	Remarks	

Below this is the "Regimen Drug" section, which has a red circle with the number "9" highlighting the "+" button. It contains a table with the following columns: Default Drug Name, Frequency, Dosage, Chemo Day, Remarks, and Status. The table is currently empty with the text "No record found" below it.

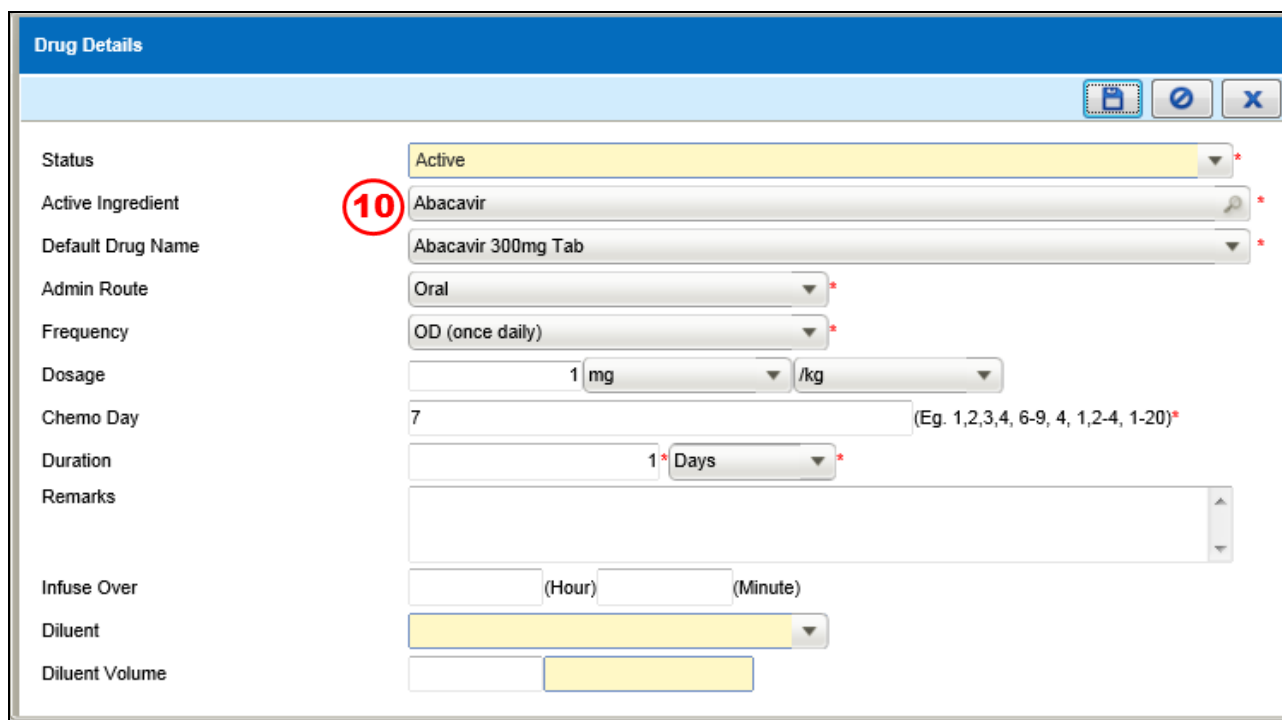
Figure 3.9.1-6 CDR Regimen Master

STEP 8

Click on the  button to edit the CDR Regimen screen

STEP 9

Click on the  button to add Regimen Drug



Drug Details

Status: Active

Active Ingredient: **10** Abacavir

Default Drug Name: Abacavir 300mg Tab

Admin Route: Oral

Frequency: OD (once daily)

Dosage: 1 mg /kg

Chemo Day: 7 (Eg. 1,2,3,4, 6-9, 4, 1,2-4, 1-20)*

Duration: 1 Days

Remarks:

Infuse Over: (Hour) (Minute)

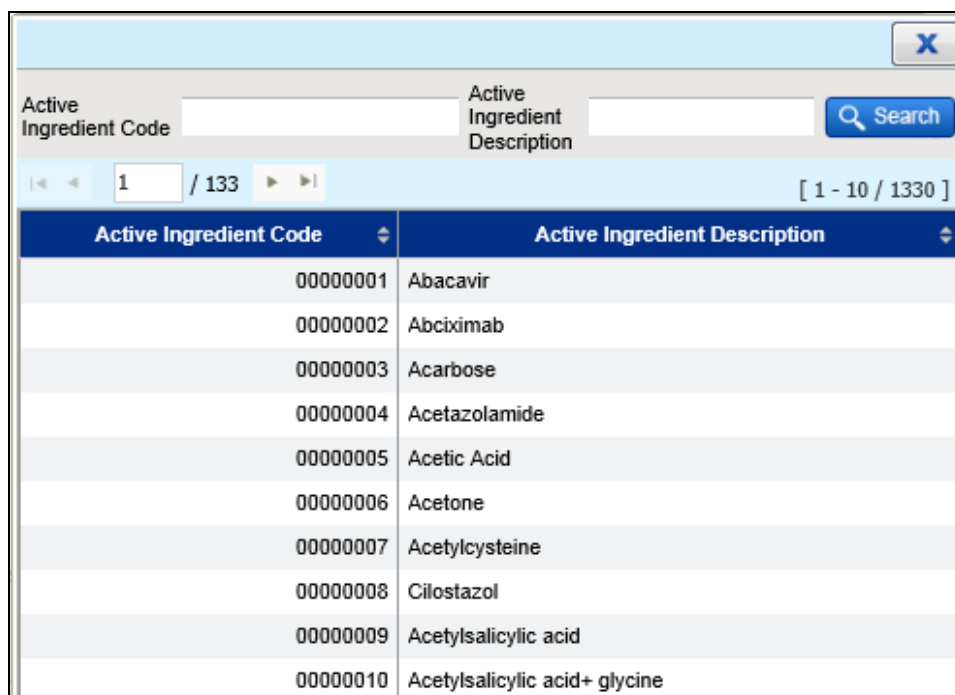
Diluent:

Diluent Volume:

Figure 3.9.1-7 CDR Regimen Master

STEP 10

Click on the  button to search **Active Ingredient** and double click on the selected Active Ingredient as per Figure 3.9.1-8

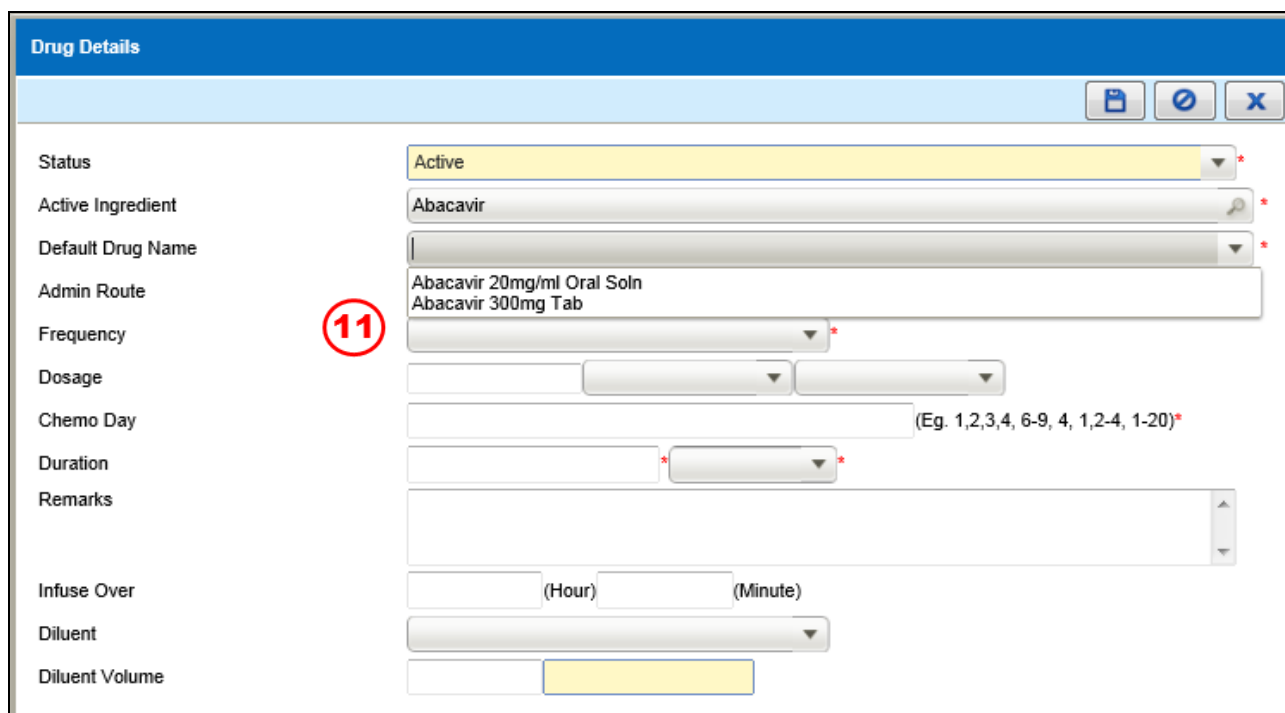


Active Ingredient Code: 1 / 133 [1 - 10 / 1330]

Active Ingredient Description: Search

Active Ingredient Code	Active Ingredient Description
00000001	Abacavir
00000002	Abciximab
00000003	Acarbose
00000004	Acetazolamide
00000005	Acetic Acid
00000006	Acetone
00000007	Acetylcysteine
00000008	Cilostazol
00000009	Acetylsalicylic acid
00000010	Acetylsalicylic acid+ glycine

Figure 3.9.1-8 Active Ingredient



Drug Details

Status: Active

Active Ingredient: Abacavir

Default Drug Name:

Admin Route: Abacavir 20mg/ml Oral Soln
Abacavir 300mg Tab

Frequency:

Dosage:

Chemo Day: (Eg. 1,2,3,4, 6-9, 4, 1,2-4, 1-20)*

Duration:

Remarks:

Infuse Over: (Hour) (Minute)

Diluent:

Diluent Volume:

Figure 3.9.1-9 Active Ingredient

STEP 11

Click on Dropdown Box to select :

- **Default Drug Name**
- **Admin Route**
- **Frequency**

Note

Default Drug Name, Admin Route and Frequency will display the information based on selected **Active Ingredient**

Drug Details

Status	Active *
Active Ingredient	Abacavir *
Default Drug Name	Abacavir 300mg Tab *
Admin Route	Oral *
Frequency	OD (once daily) *
Dosage	1 mg */kg
Chemo Day	7 (Eg. 1,2,3,4, 6-9, 4, 1,2-4, 1-20) *
Duration	1 * Days *
Remarks	
Infuse Over	(Hour) (Minute)
Diluent	
Diluent Volume	

Figure 3.9.1-10 Drug Details

STEP 12

Fill all the criteria:

- Fill the **Dosage**
- Fill the **Chemo Day**
- Fill the **Duration**

Note

Remarks and Infuse Over

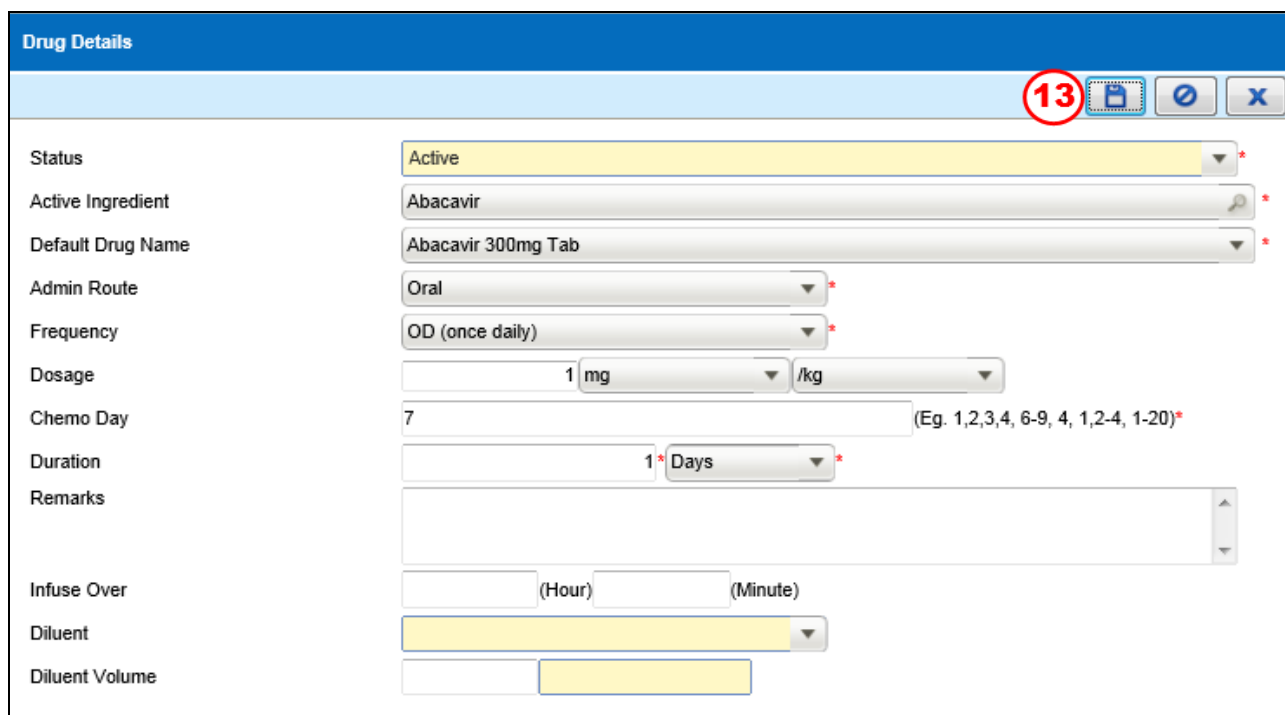


Figure 3.9.1-11 Drug Details

STEP 13

Click on the  button to save the data

Note

- Confirmation message as shown in Figure 3.9.1-12 will be displayed after user save the record and click  to save the record.

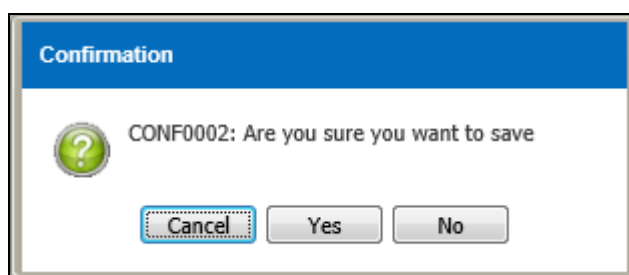
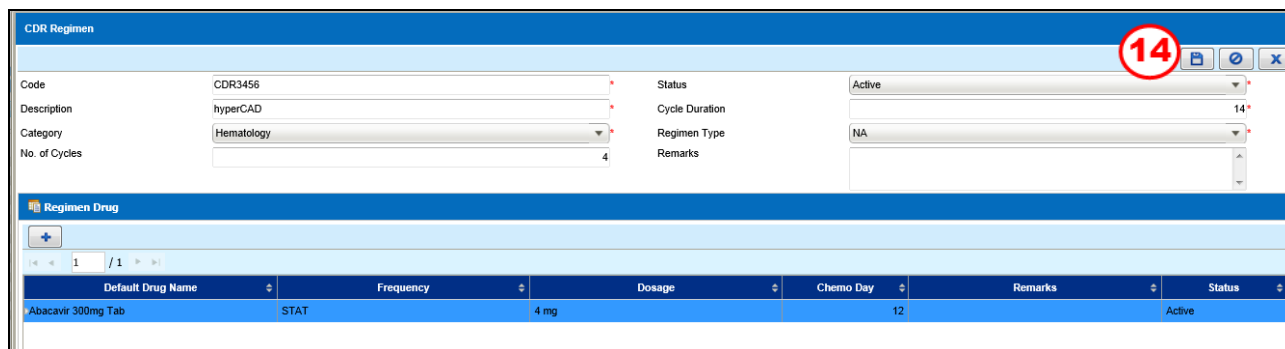


Figure 3.9.1-12 Confirmation Message

- Click on the  button to close the **Drug Details** screen.



Default Drug Name	Frequency	Dosage	Chemo Day	Remarks	Status
Abacavir 300mg Tab	STAT	4 mg	12		Active

Figure 3.9.1-13 CDR Regimen

STEP 14

Click on the  button to save the data

Note

- Confirmation message as shown in Figure 3.9.1-14 will be displayed after user save the record

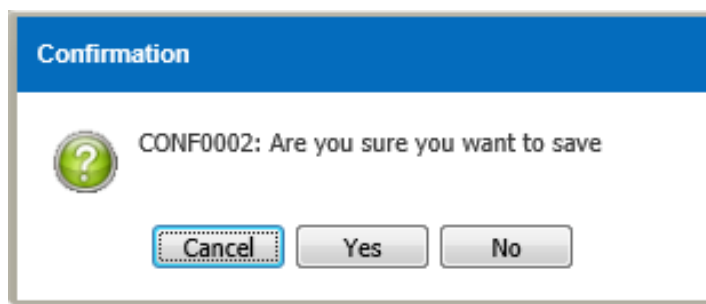


Figure 3.9.1-14 Confirmation Message

- Record will save when user click on the  button as shown in Figure 3.9.1-15

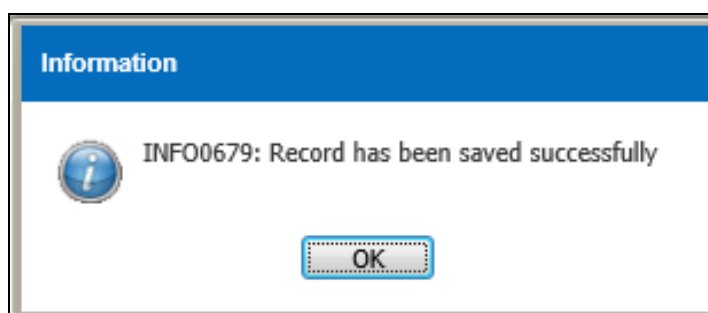
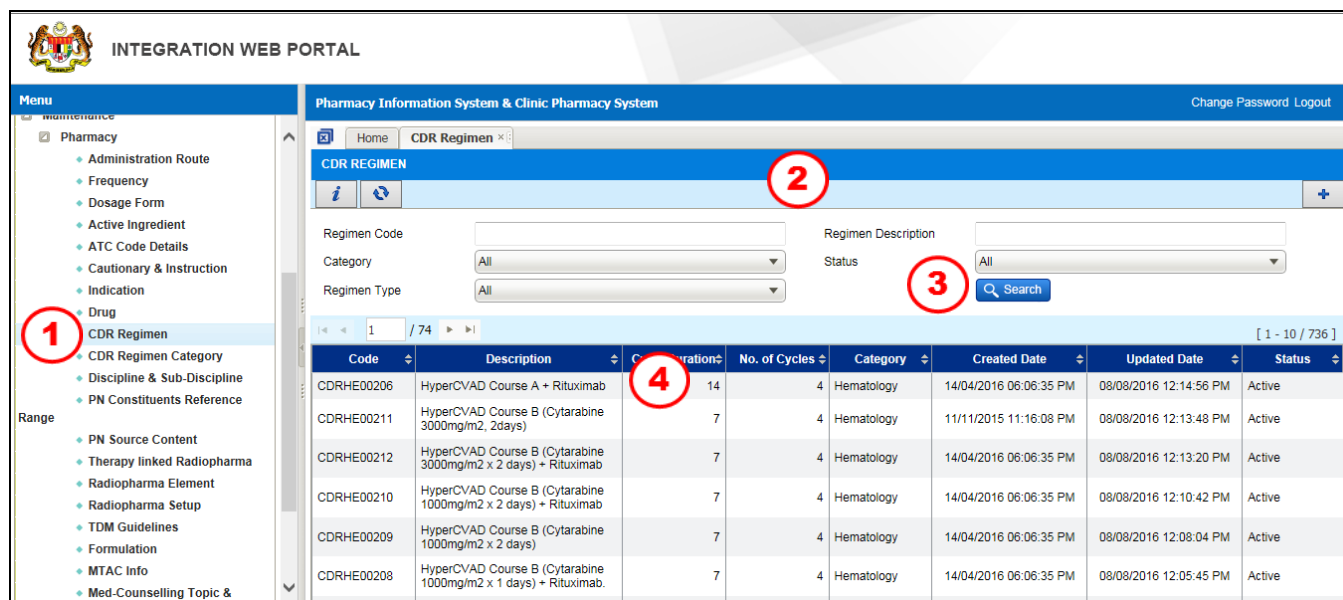


Figure 3.9.1-15 Information Message

- Click on the  button to close the CDR Regimen screen

3.9.2 Modify CDR Regimen Record

To modify CDR Regimen records, perform the steps below:



INTEGRATION WEB PORTAL

Menu

- Pharmacy
 - Administration Route
 - Frequency
 - Dosage Form
 - Active Ingredient
 - ATC Code Details
 - Cautionary & Instruction
 - Indication
 - Drug
 - CDR Regimen**
 - CDR Regimen Category
 - Discipline & Sub-Discipline
 - PN Constituents Reference
 - PN Source Content
 - Therapy linked Radiopharma
 - Radiopharma Element
 - Radiopharma Setup
 - TDM Guidelines
 - Formulation
 - MTAC Info
 - Med-Counselling Topic &

Pharmacy Information System & Clinic Pharmacy System

Home CDR Regimen

CDR REGIMEN

Regimen Code: Regimen Description:

Category: Status:

Regimen Type:

1 / 74 [1 - 10 / 736]

Code	Description	Concentration	No. of Cycles	Category	Created Date	Updated Date	Status
CDRHE00206	HyperCVAD Course A + Rituximab	14	4	Hematology	14/04/2016 06:06:35 PM	08/08/2016 12:14:56 PM	Active
CDRHE00211	HyperCVAD Course B (Cytarabine 3000mg/m2, 2days)	7	4	Hematology	11/11/2015 11:16:08 PM	08/08/2016 12:13:48 PM	Active
CDRHE00212	HyperCVAD Course B (Cytarabine 3000mg/m2 x 2 days) + Rituximab	7	4	Hematology	14/04/2016 06:06:35 PM	08/08/2016 12:13:20 PM	Active
CDRHE00210	HyperCVAD Course B (Cytarabine 1000mg/m2 x 2 days) + Rituximab	7	4	Hematology	14/04/2016 06:06:35 PM	08/08/2016 12:10:42 PM	Active
CDRHE00209	HyperCVAD Course B (Cytarabine 1000mg/m2 x 2 days)	7	4	Hematology	14/04/2016 06:06:35 PM	08/08/2016 12:08:04 PM	Active
CDRHE00208	HyperCVAD Course B (Cytarabine 1000mg/m2 x 1 days) + Rituximab	7	4	Hematology	14/04/2016 06:06:35 PM	08/08/2016 12:05:45 PM	Active

Figure 3.9.2-1 CDR Regimen Listing Page

STEP 1

Click on the Pharmacy menu followed by click on the CDR Regimen menu

STEP 2

To search for existing CDR Regimen record, user may search by criteria as follow:

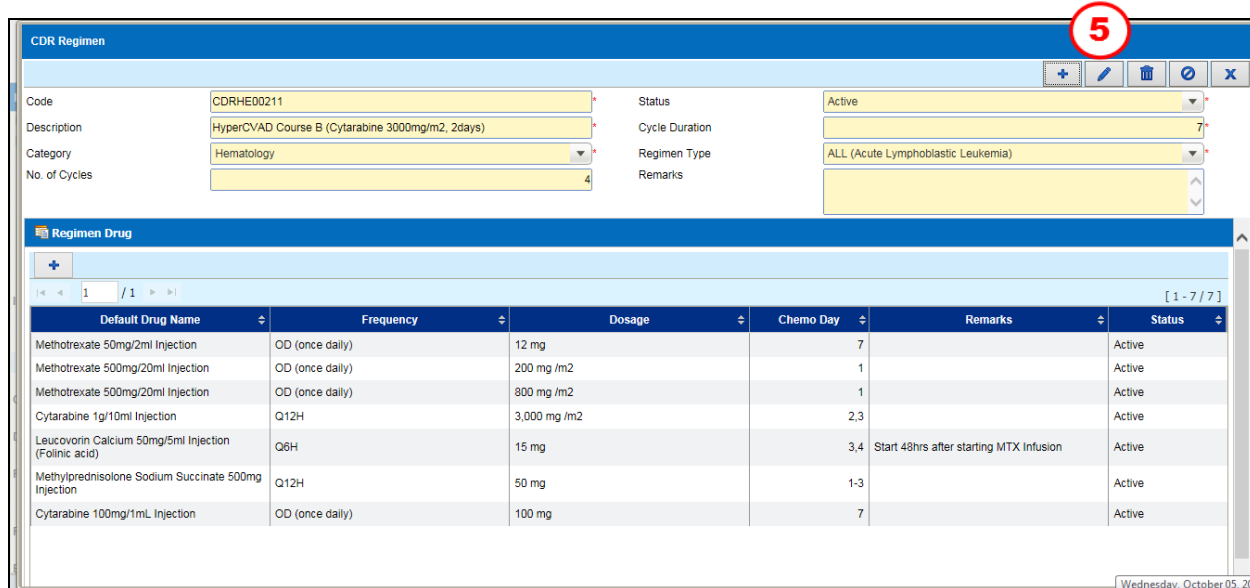
- Regimen Code**
- Regimen Description**
- Category**
- Status**
- Regimen Type**

STEP 3

Click on the button. The result(s) display will be based on the entered criteria.

STEP 4

Double click on the selected record and the details of the CDR Regimen record will be displayed as Figure 3.9.2-2



CDR Regimen

Code: CDRHE00211 Status: Active

Description: HyperCVAD Course B (Cytarabine 3000mg/m2, 2days) Cycle Duration: 7

Category: Hematology Regimen Type: ALL (Acute Lymphoblastic Leukemia)

No. of Cycles: 4 Remarks:

Regimen Drug

Default Drug Name	Frequency	Dosage	Chemo Day	Remarks	Status
Methotrexate 50mg/2ml Injection	OD (once daily)	12 mg	7		Active
Methotrexate 500mg/20ml Injection	OD (once daily)	200 mg /m2	1		Active
Methotrexate 500mg/20ml Injection	OD (once daily)	800 mg /m2	1		Active
Cytarabine 1g/10ml Injection	Q12H	3,000 mg /m2	2,3		Active
Leucovorin Calcium 50mg/5ml Injection (Folinic acid)	Q6H	15 mg	3,4	Start 48hrs after starting MTX Infusion	Active
Methylprednisolone Sodium Succinate 500mg Injection	Q12H	50 mg	1-3		Active
Cytarabine 100mg/1mL Injection	OD (once daily)	100 mg	7		Active

Wednesday, October 05, 201

Figure 3.9.2-2 CDR Regimen

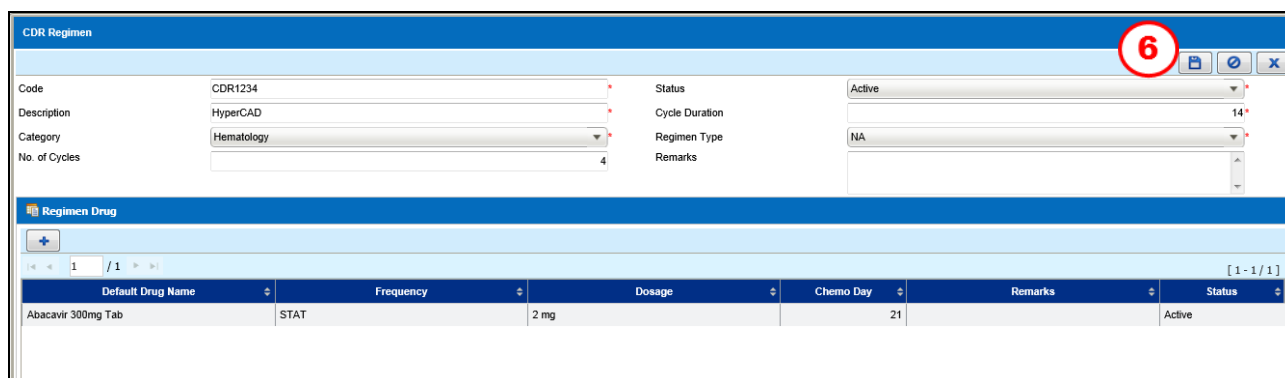
STEP 5

Click on the  button to modify CDR Regimen record

Note

User is allowed to edit the following description as per Figure 3.9.2-3 :

- **Code**
- **Status**
- **Description**
- **Cycle Duration**
- **Category**
- **Regimen Type**
- **No. of Cycle**
- **Add Regimen Drug**



CDR Regimen

Code: CDR1234 Status: Active

Description: HyperCAD Cycle Duration: 14

Category: Hematology Regimen Type: NA

No. of Cycles: 4 Remarks:

Regimen Drug

Default Drug Name	Frequency	Dosage	Chemo Day	Remarks	Status
Abacavir 300mg Tab	STAT	2 mg	21		Active

Figure 3.9.2-3 CDR Regimen

STEP 6

Click on the  button to save the data

Note

- Confirmation message as shown in Figure 3.9.2-4 will be displayed after user save the record

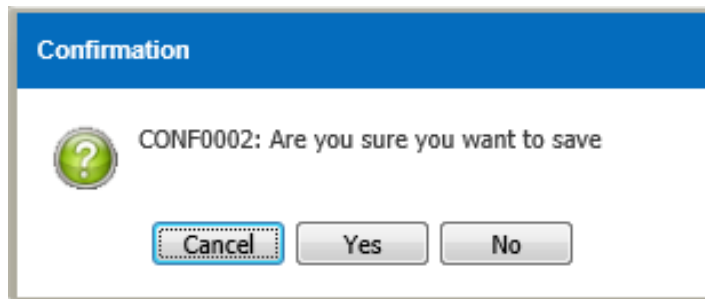


Figure 3.9.2-4 Confirmation Message

- Record will save when user click on the  button as shown in Figure 3.9.2-5

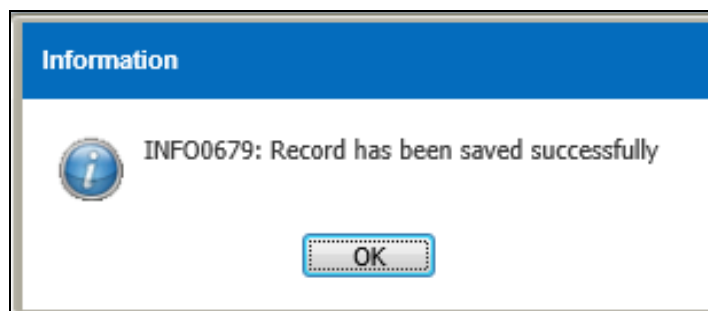


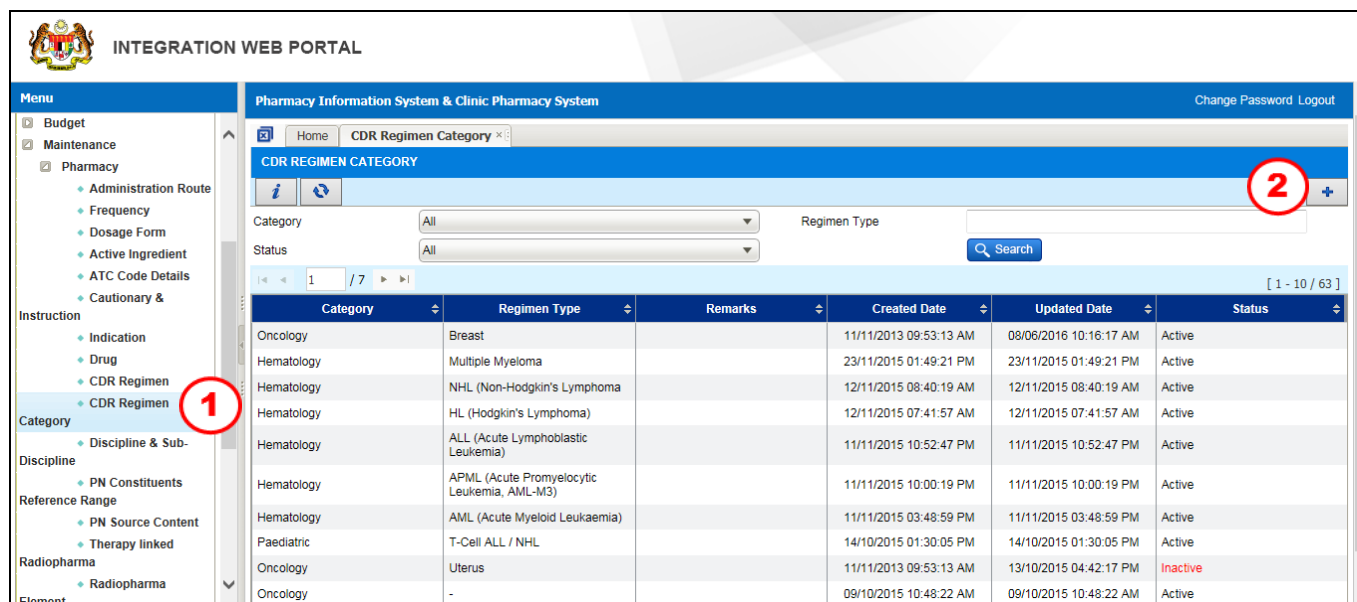
Figure 3.9.2-5 Confirmation Message

- Click on the  button to close the CDR Regimen screen.

3.10 CDR Regimen Category

3.10.1 Create New CDR Regimen Category

To Create New CDR Regimen Category records, perform the steps below:



Category	Regimen Type	Remarks	Created Date	Updated Date	Status
Oncology	Breast		11/11/2013 09:53:13 AM	08/06/2016 10:16:17 AM	Active
Hematology	Multiple Myeloma		23/11/2015 01:49:21 PM	23/11/2015 01:49:21 PM	Active
Hematology	NHL (Non-Hodgkin's Lymphoma)		12/11/2015 08:40:19 AM	12/11/2015 08:40:19 AM	Active
Hematology	HL (Hodgkin's Lymphoma)		12/11/2015 07:41:57 AM	12/11/2015 07:41:57 AM	Active
Hematology	ALL (Acute Lymphoblastic Leukemia)		11/11/2015 10:52:47 PM	11/11/2015 10:52:47 PM	Active
Hematology	APML (Acute Promyelocytic Leukemia, AML-M3)		11/11/2015 10:00:19 PM	11/11/2015 10:00:19 PM	Active
Hematology	AML (Acute Myeloid Leukemia)		11/11/2015 03:48:59 PM	11/11/2015 03:48:59 PM	Active
Paediatric	T-Cell ALL / NHL		14/10/2015 01:30:05 PM	14/10/2015 01:30:05 PM	Active
Oncology	Uterus		11/11/2013 09:53:13 AM	13/10/2015 04:42:17 PM	Inactive
Oncology	-		09/10/2015 10:48:22 AM	09/10/2015 10:48:22 AM	Active

Figure 3.10.1-1 CDR Regimen Category Listing Page

STEP 1

Click on the Maintenance menu followed by click on the Pharmacy and click on the CDR Regimen Category sub menu

STEP 2

Click on the  button to create new record and Regimen Category screen will be displayed as Figure 3.10.1-2

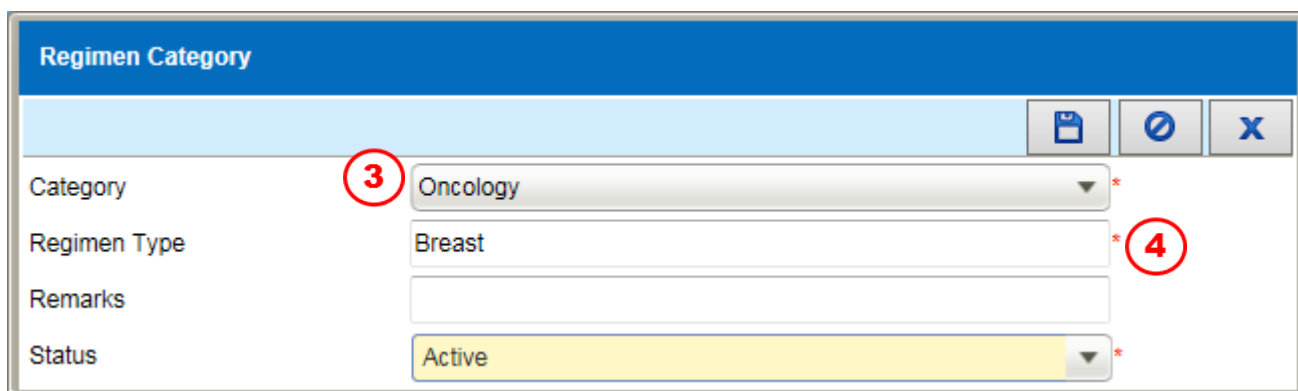


Figure 3.10.1-2 Regimen Category

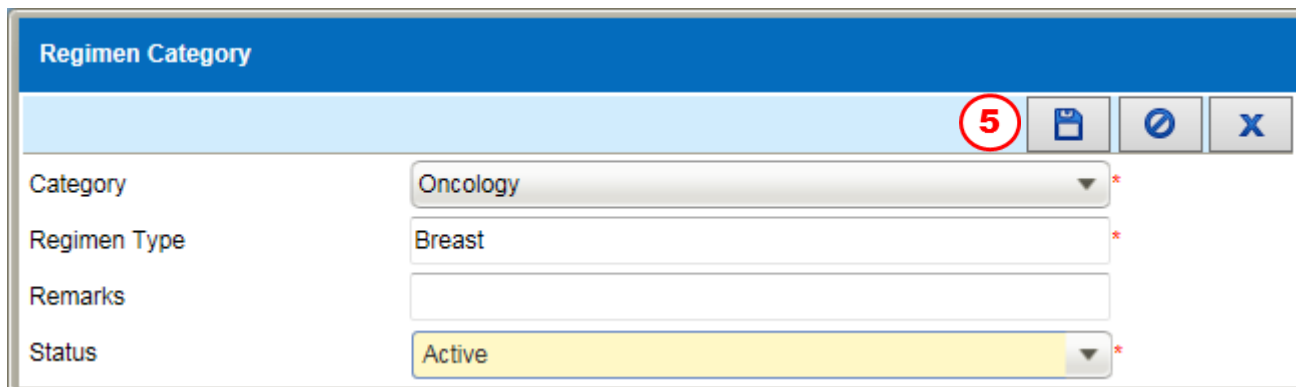
STEP 3

Select **Category** from drop down box:

- **Hematology**
- **Oncology**
- **Others**
- **Paediatric**

STEP 4

Enter **Regimen Type**



The dialog box titled "Regimen Category" has a blue header. Below the header is a light blue bar containing a red circle with the number "5" and three buttons: a save icon, a cancel icon, and a close icon. The main area contains four fields: "Category" with a dropdown menu showing "Oncology", "Regimen Type" with a text box containing "Breast", "Remarks" with an empty text box, and "Status" with a dropdown menu showing "Active". Each field has a red asterisk to its right.

Figure 3.10.1-3 Regimen Category

STEP 5

Click on the  button to save the record

Note

- System will display a Confirmation Message as Figure 3.10.1-4

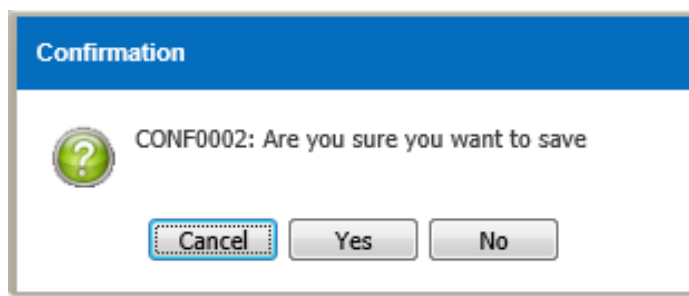
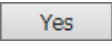
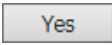


Figure 3.10.1-4 Confirmation Message

- Click on the  button to save the record
- Information Message will display after click on the  button as Figure 3.10.1-5

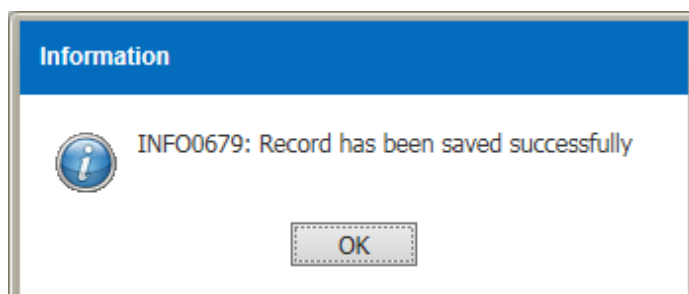
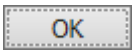
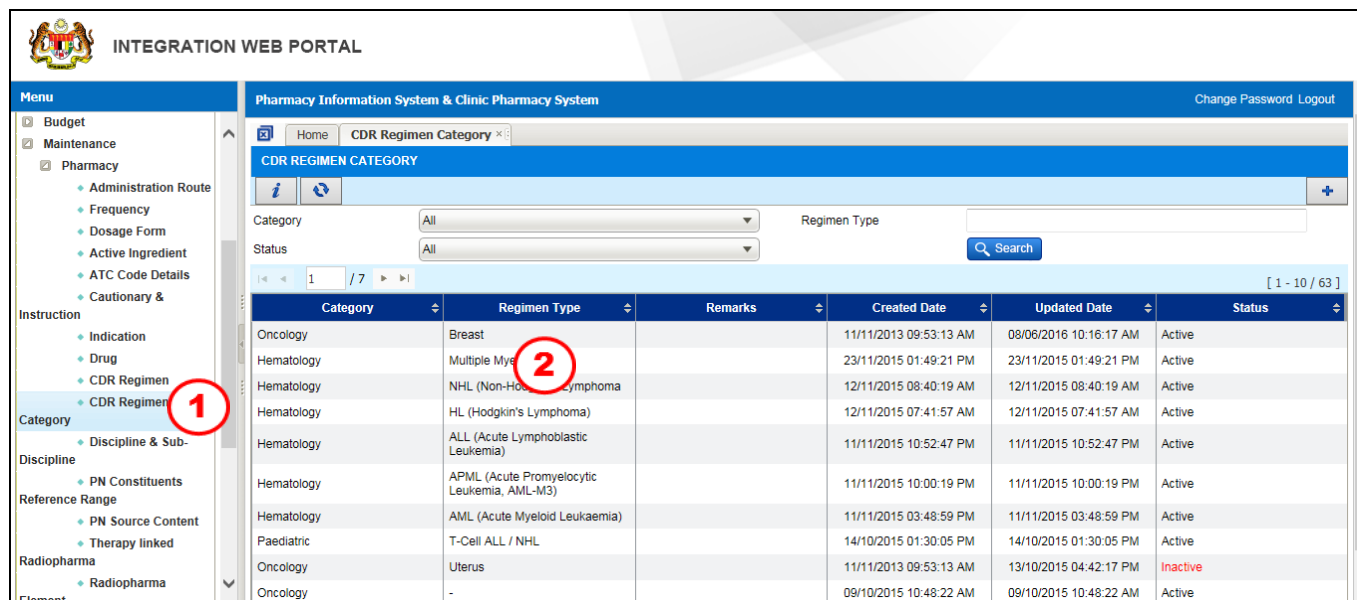


Figure 3.10.1-5 Information Message

Click on the  button to confirmed the record

3.10.2 Modify CDR Regimen Category

To modify CDR Regimen Category records, perform the steps below:



Category	Regimen Type	Remarks	Created Date	Updated Date	Status
Oncology	Breast		11/11/2013 09:53:13 AM	08/06/2016 10:16:17 AM	Active
Hematology	Multiple Myeloma		23/11/2015 01:49:21 PM	23/11/2015 01:49:21 PM	Active
Hematology	NHL (Non-Hodgkin's Lymphoma)		12/11/2015 08:40:19 AM	12/11/2015 08:40:19 AM	Active
Hematology	HL (Hodgkin's Lymphoma)		12/11/2015 07:41:57 AM	12/11/2015 07:41:57 AM	Active
Hematology	ALL (Acute Lymphoblastic Leukemia)		11/11/2015 10:52:47 PM	11/11/2015 10:52:47 PM	Active
Hematology	APML (Acute Promyelocytic Leukemia, AML-M3)		11/11/2015 10:00:19 PM	11/11/2015 10:00:19 PM	Active
Hematology	AML (Acute Myeloid Leukaemia)		11/11/2015 03:48:59 PM	11/11/2015 03:48:59 PM	Active
Paediatric	T-Cell ALL / NHL		14/10/2015 01:30:05 PM	14/10/2015 01:30:05 PM	Active
Oncology	Uterus		11/11/2013 09:53:13 AM	13/10/2015 04:42:17 PM	Inactive
Oncology	-		09/10/2015 10:48:22 AM	09/10/2015 10:48:22 AM	Active

Figure 3.10.2-1 CDR Regimen Category Listing Page

STEP 1

Click on the Maintenance menu followed by click on the Pharmacy and click on the CDR Regimen Category sub menu

STEP 2

Click on the selected record

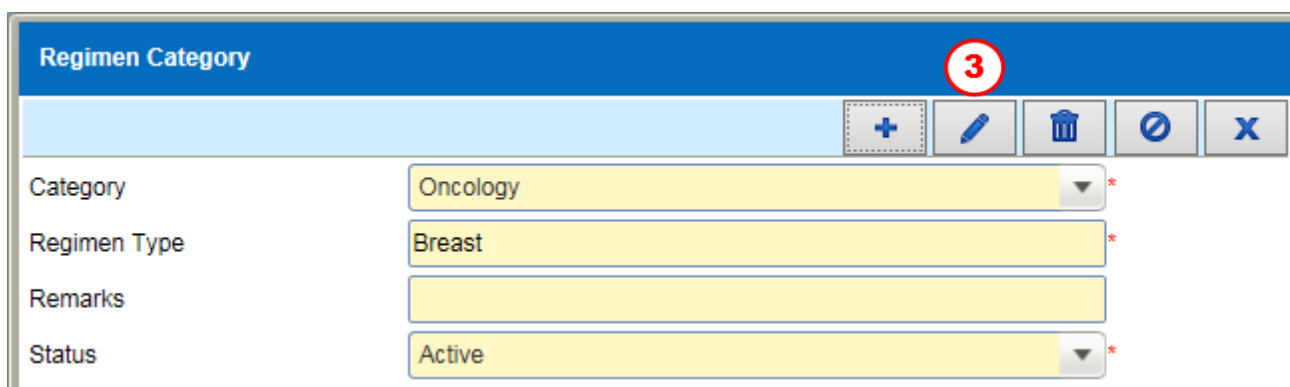
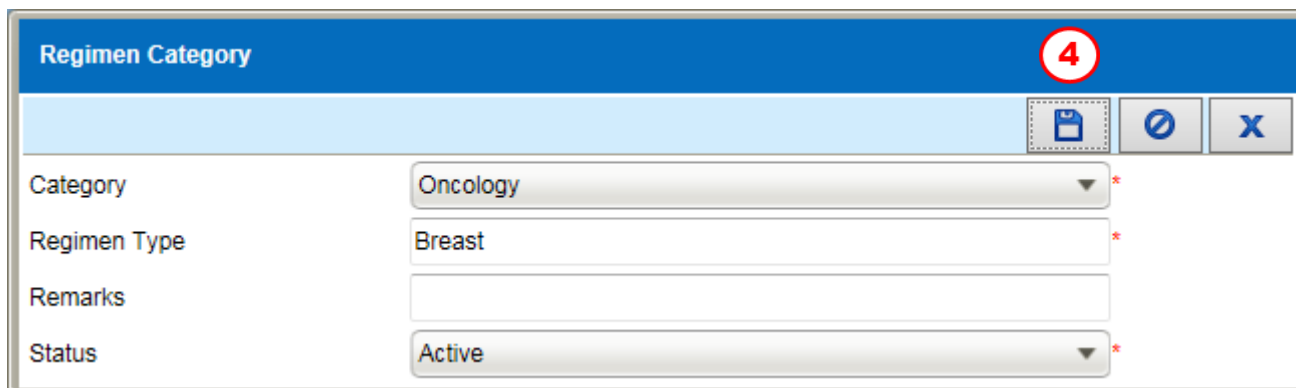


Figure 3.10.2-2 Regimen Category

STEP 3

Click on the  button to edit the record



The figure shows a 'Regimen Category' form. It has a blue header bar with the title 'Regimen Category' and a red circle with the number '4' in the top right corner. Below the header is a light blue bar containing a save icon (floppy disk), a cancel icon (circle with slash), and a close icon (X). The form contains four fields: 'Category' with a dropdown menu showing 'Oncology', 'Regimen Type' with a text box showing 'Breast', 'Remarks' with an empty text box, and 'Status' with a dropdown menu showing 'Active'. Each field has a red asterisk to its right, indicating it is a required field.

Figure 3.10.2-3 Regimen Category

Note

User is allowing to edit:

- **Category**
- **Regimen Type**
- **Remarks**
- **Status**

STEP 4

Click on the  button to save the edited record

Note

- System will display a Confirmation Message as Figure 3.10.2-4

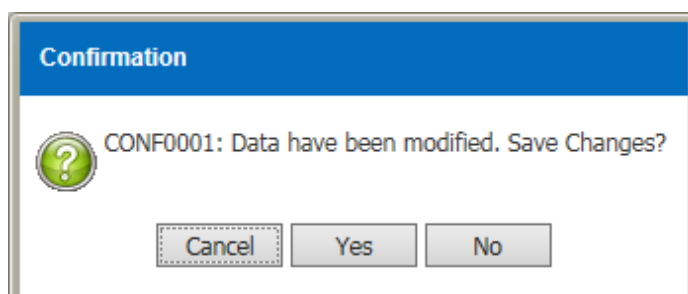
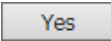
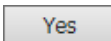


Figure 3.10.2-4 Confirmation Message

- Click on the  button to save the edited record
- Information Message will display after click on the  button as Figure 3.10.2-5

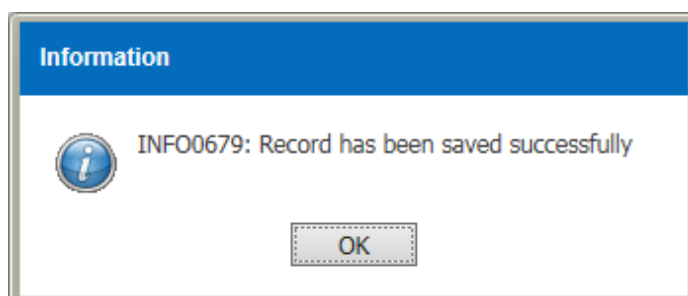
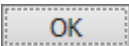


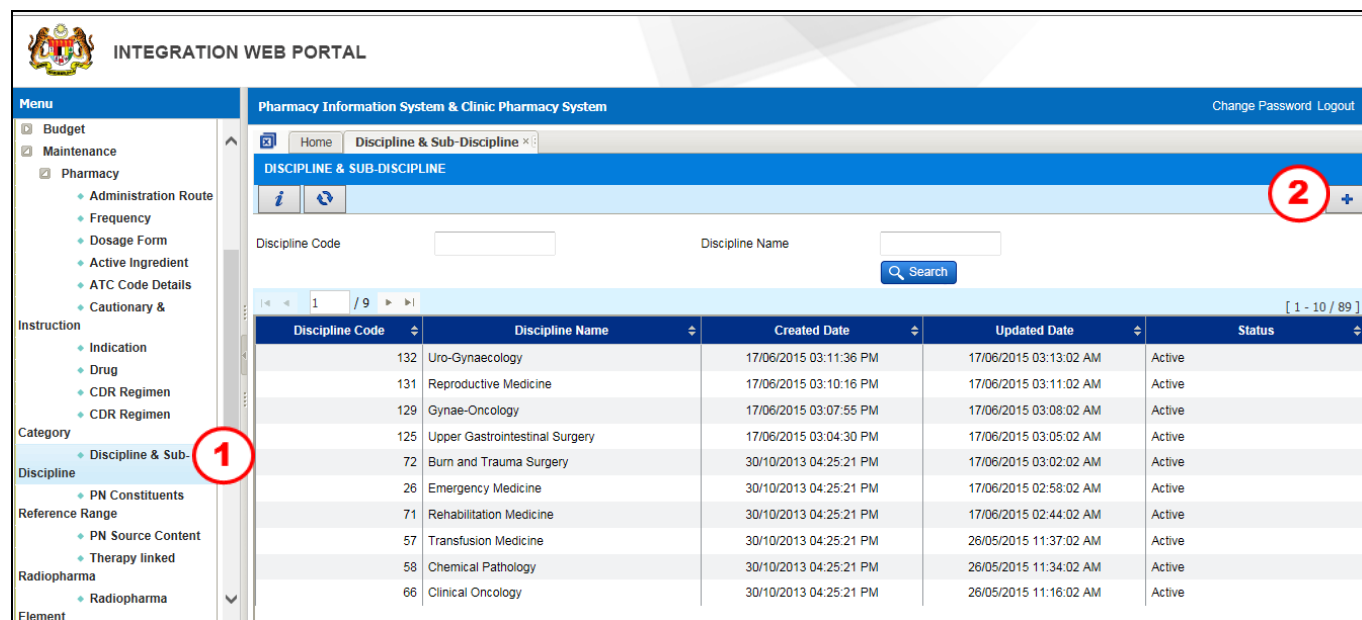
Figure 3.10.2-5 Information Message

- Click on the  button to confirmed the edited record

3.11 Discipline and Sub Discipline

3.11.1 Create New Discipline and Sub Discipline

To Create Discipline and Sub Discipline records, perform the steps below:



Discipline Code	Discipline Name	Created Date	Updated Date	Status
132	Uro-Gynaecology	17/06/2015 03:11:36 PM	17/06/2015 03:13:02 AM	Active
131	Reproductive Medicine	17/06/2015 03:10:16 PM	17/06/2015 03:11:02 AM	Active
129	Gynae-Oncology	17/06/2015 03:07:55 PM	17/06/2015 03:08:02 AM	Active
125	Upper Gastrointestinal Surgery	17/06/2015 03:04:30 PM	17/06/2015 03:05:02 AM	Active
72	Burn and Trauma Surgery	30/10/2013 04:25:21 PM	17/06/2015 03:02:02 AM	Active
26	Emergency Medicine	30/10/2013 04:25:21 PM	17/06/2015 02:58:02 AM	Active
71	Rehabilitation Medicine	30/10/2013 04:25:21 PM	17/06/2015 02:44:02 AM	Active
57	Transfusion Medicine	30/10/2013 04:25:21 PM	26/05/2015 11:37:02 AM	Active
58	Chemical Pathology	30/10/2013 04:25:21 PM	26/05/2015 11:34:02 AM	Active
66	Clinical Oncology	30/10/2013 04:25:21 PM	26/05/2015 11:16:02 AM	Active

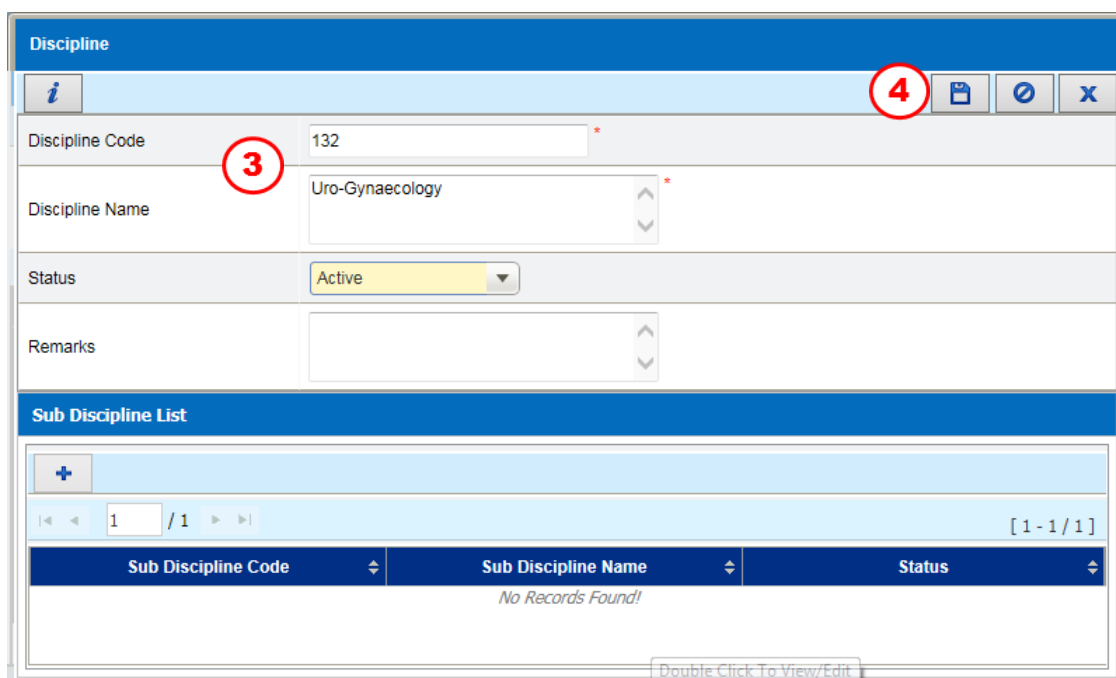
Figure 3.11.1-1 Discipline and Sub Discipline Master Listing Page

STEP 1

Click on the Maintenance menu followed by click on the Pharmacy and click on Discipline & Sub-Discipline sub menu

STEP 2

Click on the  button to create a new record and Discipline screen will be displayed as Figure 3.11.1-2



Sub Discipline Code	Sub Discipline Name	Status
No Records Found!		

Figure 3.11.1-2 Discipline

STEP 3

Enter **Discipline Code** and **Discipline Name**

Note

Enter **Remarks** (optional)

STEP 4

Click on the  button to save the record

Note

- System will display a Confirmation Message as Figure 3.11.1-3

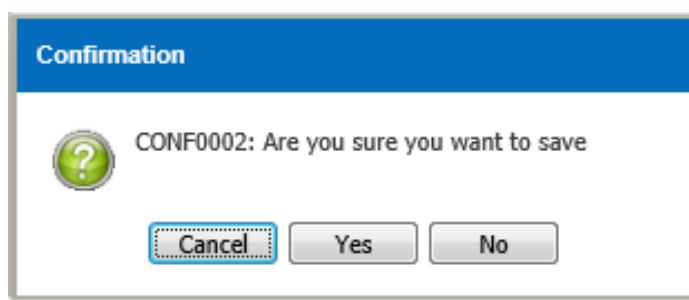
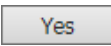


Figure 3.11.1-3 Confirmation Message

- Click on the  button to save the record

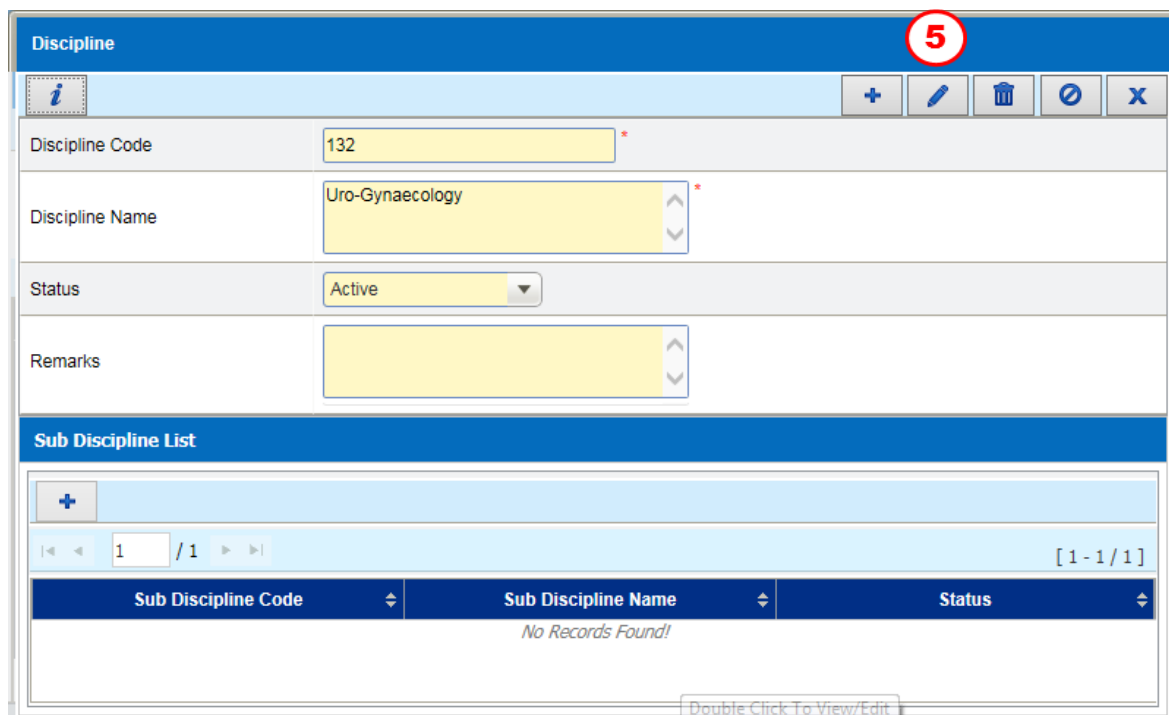


Figure 3.11.1-4 Discipline

STEP 5

Click on the  button to edit the record

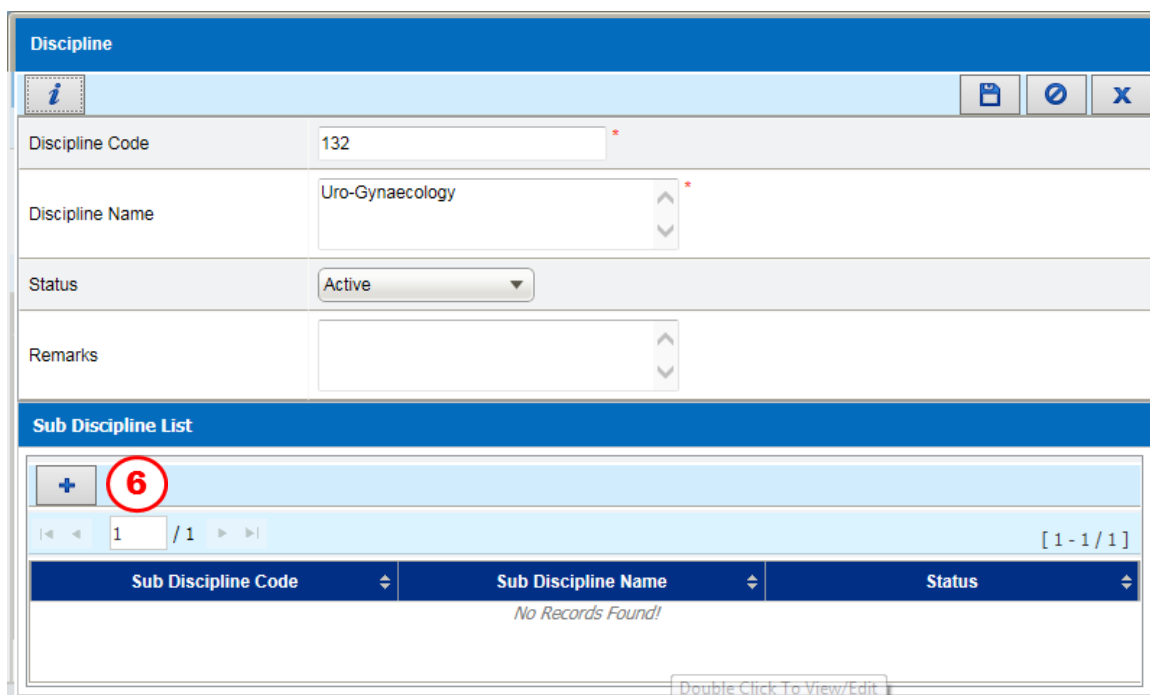


Figure 3.11.1-5 Discipline

STEP 6

Click on the  button to add Sub Discipline into the List and Sub Discipline screen will be displayed as Figure 3.11.1-6

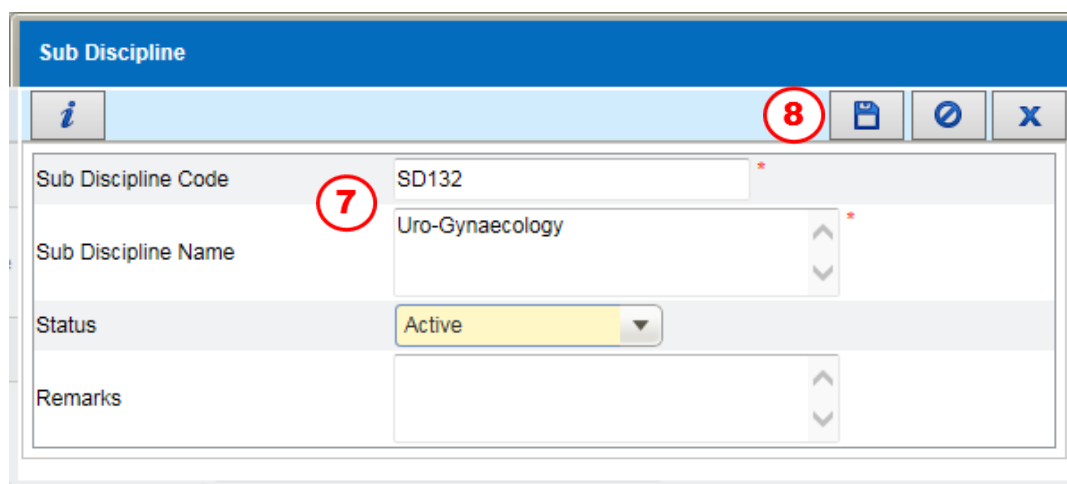


Figure 3.11.1-6 Sub Discipline

STEP 7

Enter **Sub Discipline Code** and **Sub Discipline Name**

Note

Enter **Remarks** (optional)

STEP 8

Click on the  button to save the record

Note

- System will display a Confirmation Message as Figure 3.11.1-7

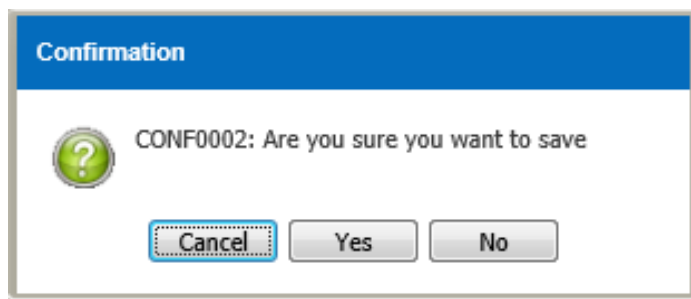
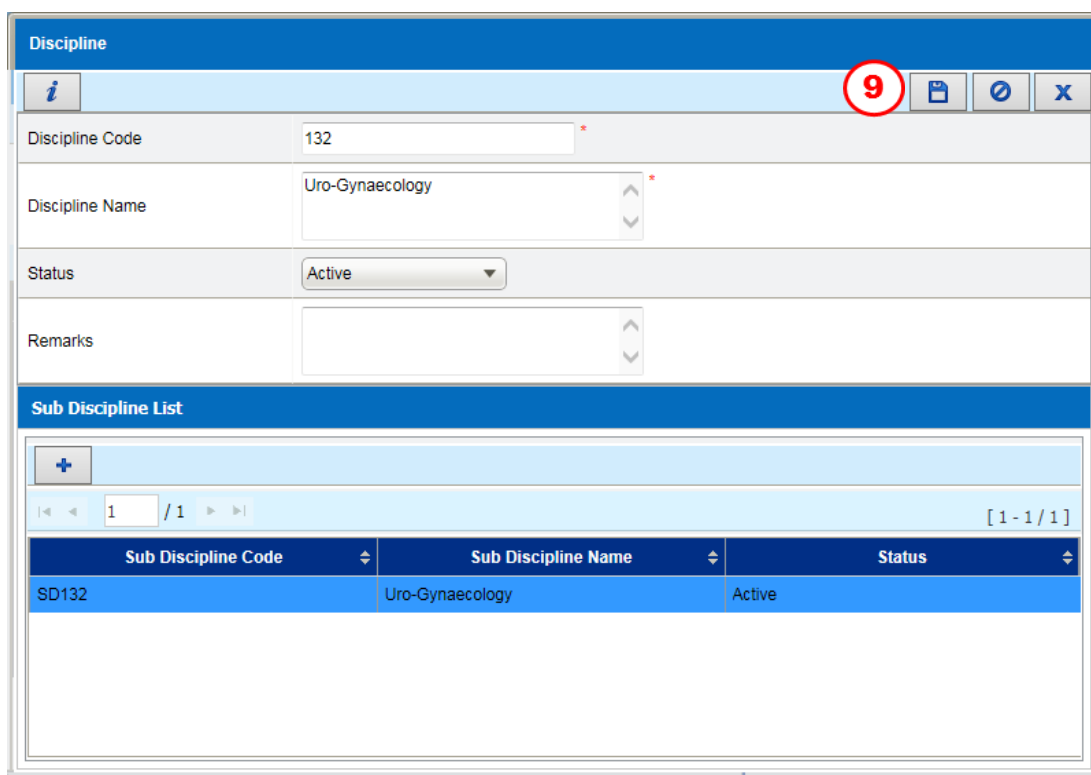


Figure 3.11.1-7 Confirmation Message



Discipline								
Discipline Code	132	*						
Discipline Name	Uro-Gynaecology	*						
Status	Active							
Remarks								
Sub Discipline List								
+ 1 / 1 [1 - 1 / 1] <table> <thead> <tr> <th>Sub Discipline Code</th> <th>Sub Discipline Name</th> <th>Status</th> </tr> </thead> <tbody> <tr> <td>SD132</td> <td>Uro-Gynaecology</td> <td>Active</td> </tr> </tbody> </table>			Sub Discipline Code	Sub Discipline Name	Status	SD132	Uro-Gynaecology	Active
Sub Discipline Code	Sub Discipline Name	Status						
SD132	Uro-Gynaecology	Active						

Figure 3.11.1-8 Discipline

Note

User can add more than 1 Sub Discipline by repeating **STEP 6** to **STEP 8**

STEP 9

Click on the  button to save the record

Note

- System will display a Confirmation Message as Figure 3.11.1-9

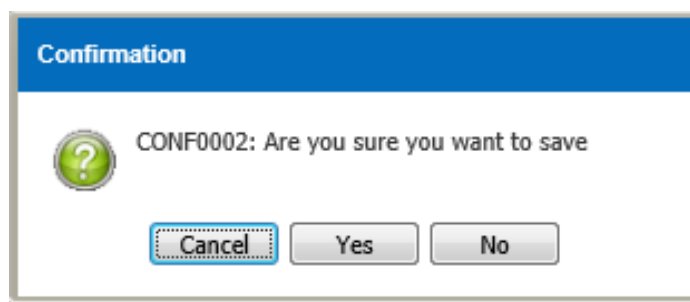
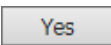
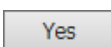


Figure 3.11.1-9 Confirmation Message

- Click on the  button to save the record
- Information Message will display after click on the  button as Figure 3.11.1-10

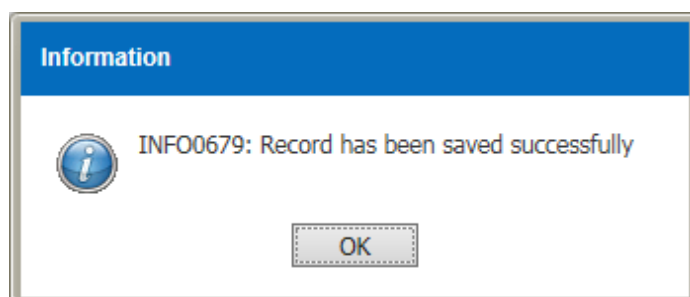
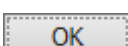
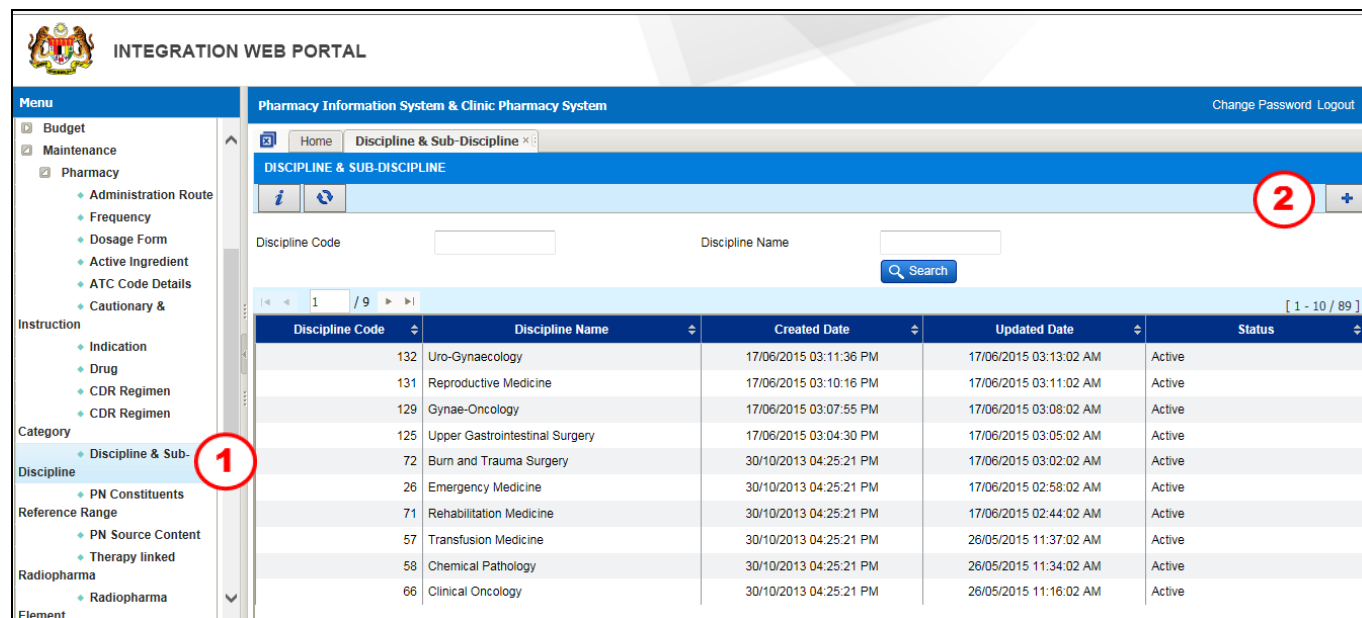


Figure 3.11.1-10 Information Message

Click on the  button to confirmed the record

3.11.2 Modify Discipline and Sub Discipline

To modify Discipline and Sub Discipline records, perform the steps below:



Discipline Code	Discipline Name	Created Date	Updated Date	Status
132	Uro-Gynaecology	17/06/2015 03:11:36 PM	17/06/2015 03:13:02 AM	Active
131	Reproductive Medicine	17/06/2015 03:10:16 PM	17/06/2015 03:11:02 AM	Active
129	Gynae-Oncology	17/06/2015 03:07:55 PM	17/06/2015 03:08:02 AM	Active
125	Upper Gastrointestinal Surgery	17/06/2015 03:04:30 PM	17/06/2015 03:05:02 AM	Active
72	Burn and Trauma Surgery	30/10/2013 04:25:21 PM	17/06/2015 03:02:02 AM	Active
26	Emergency Medicine	30/10/2013 04:25:21 PM	17/06/2015 02:58:02 AM	Active
71	Rehabilitation Medicine	30/10/2013 04:25:21 PM	17/06/2015 02:44:02 AM	Active
57	Transfusion Medicine	30/10/2013 04:25:21 PM	26/05/2015 11:37:02 AM	Active
58	Chemical Pathology	30/10/2013 04:25:21 PM	26/05/2015 11:34:02 AM	Active
66	Clinical Oncology	30/10/2013 04:25:21 PM	26/05/2015 11:16:02 AM	Active

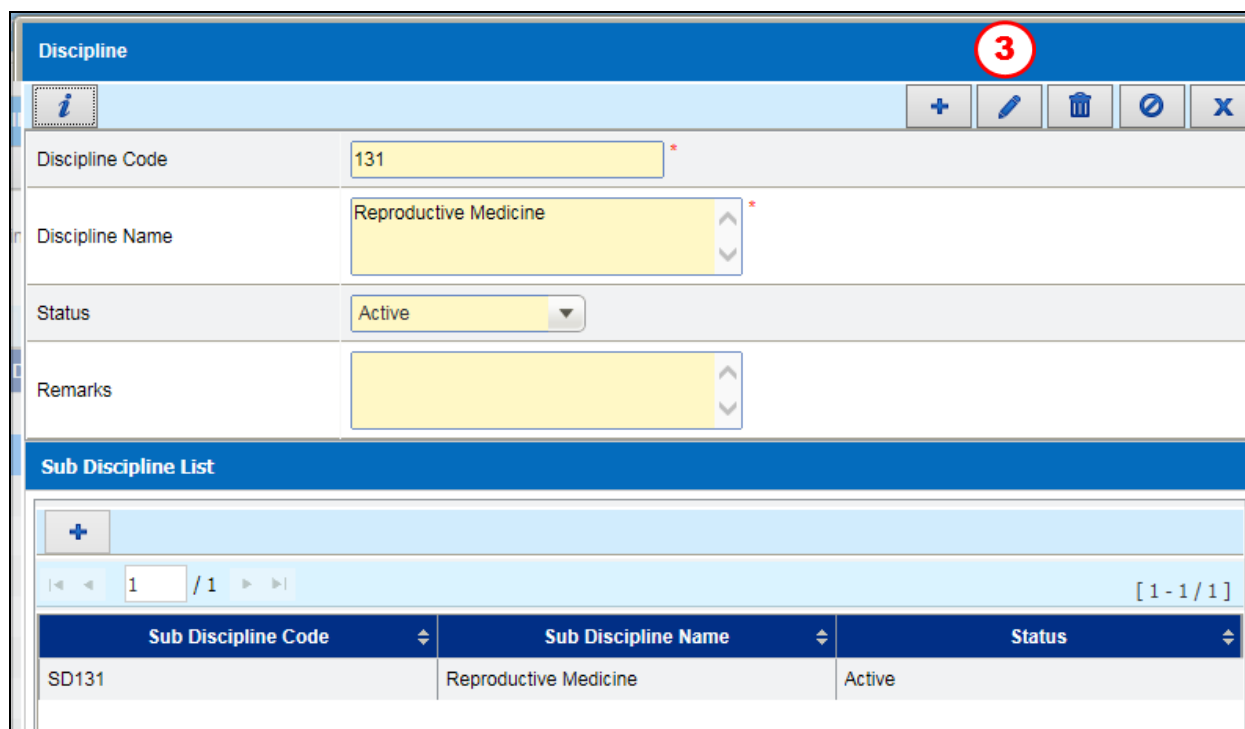
Figure 3.11.2-1 Discipline and Sub Discipline Listing Page

STEP 1

Click on the Maintenance menu followed by click on the Pharmacy and click on Discipline & Sub-Discipline sub menu

STEP 2

Click on the selected record

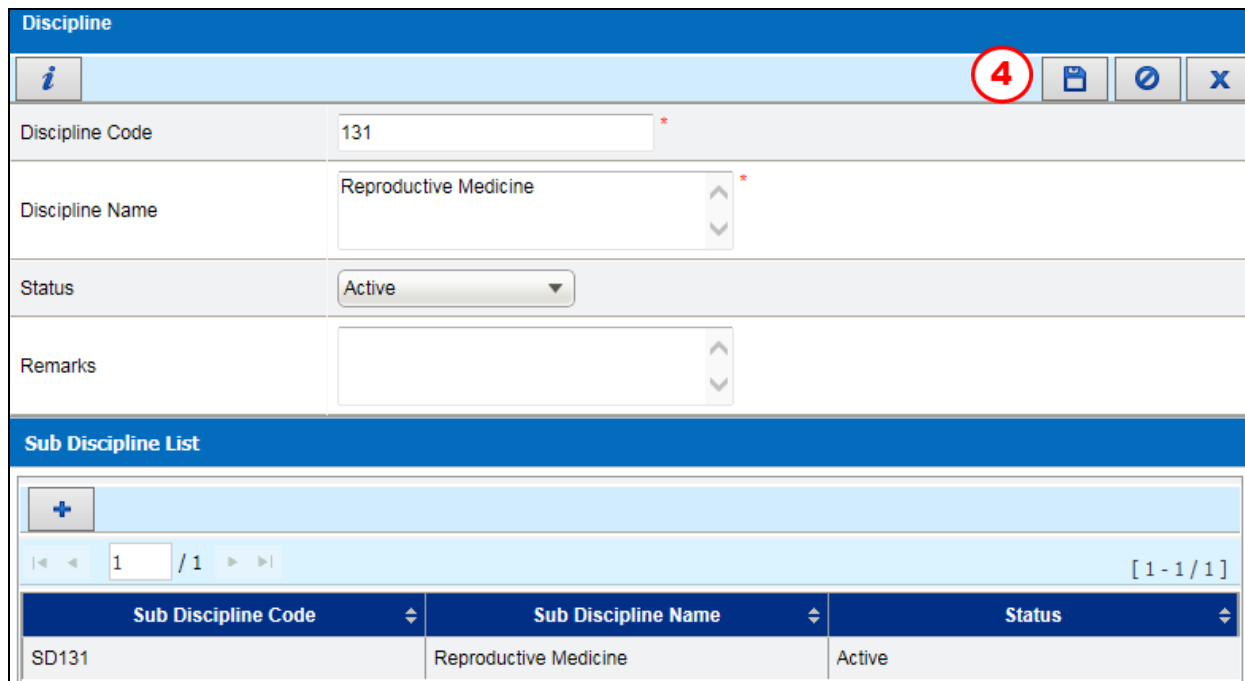


Sub Discipline Code	Sub Discipline Name	Status
SD131	Reproductive Medicine	Active

Figure 3.11.2-2 Discipline and Sub Discipline

STEP 3

Click on the  button to edit the record



Sub Discipline List		
Sub Discipline Code	Sub Discipline Name	Status
SD131	Reproductive Medicine	Active

Figure 3.11.2-3 Discipline and Sub Discipline

Note

User is allowing to edit:

- **Discipline Code**
- **Discipline Name**
- **Status**
- **Remarks**
- **Add Sub Discipline**

STEP 4

Click on the  button to save the edited record

Note

- System will display a Confirmation Message as Figure 3.11.2-4

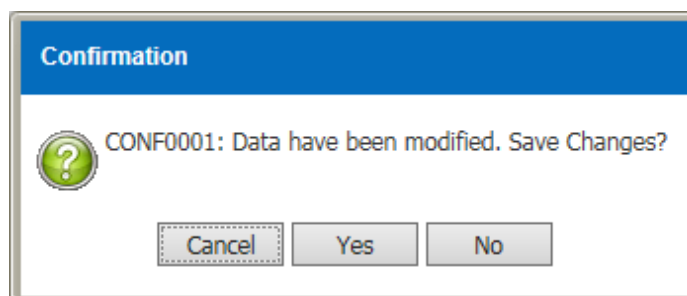
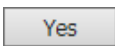
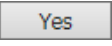


Figure 3.11.2-4 Confirmation Message

- Click on the  button to save the edited record

- Information Message will display after click on the  button as Figure 3.11.2-5

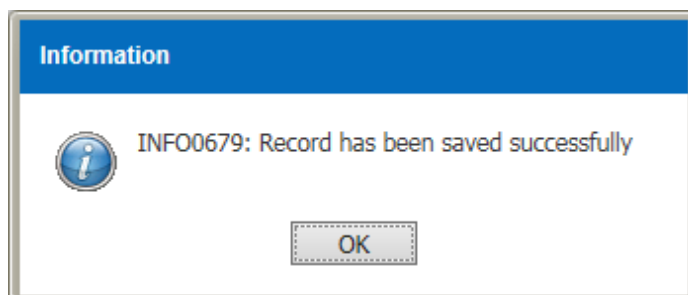
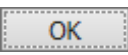
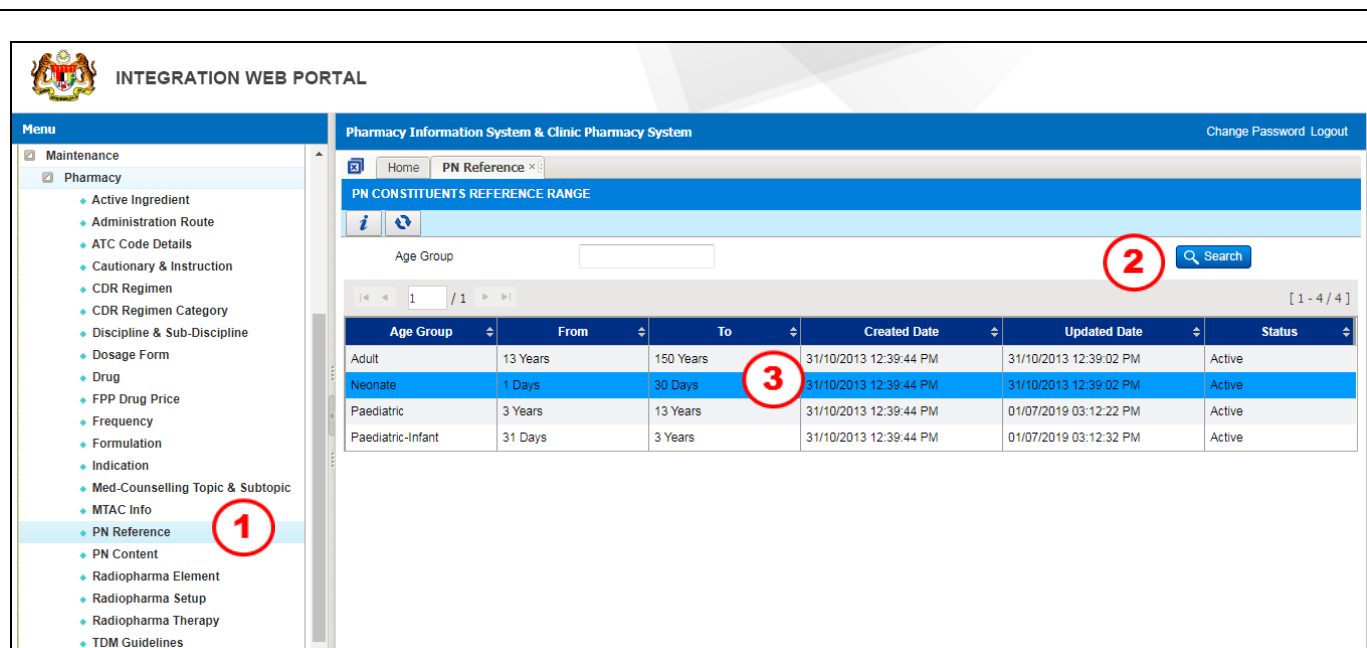


Figure 3.11.2-5 Information Message

- Click on the  button to confirmed the edited record

3.12 PN Constituents Reference Range

To view and modify PN Constituents Reference Range records, perform step below:



Integration Web Portal

Menu

- Maintenance
 - Pharmacy
 - Active Ingredient
 - Administration Route
 - ATC Code Details
 - Cautionary & Instruction
 - CDR Regimen
 - CDR Regimen Category
 - Discipline & Sub-Discipline
 - Dosage Form
 - Drug
 - FPP Drug Price
 - Frequency
 - Formulation
 - Indication
 - Med-Counselling Topic & Subtopic
 - MTAC Info
 - PN Reference** (1)
 - PN Content
 - Radiopharma Element
 - Radiopharma Setup
 - Radiopharma Therapy
 - TDM Guidelines

Pharmacy Information System & Clinic Pharmacy System

Home PN Reference x

PN CONSTITUENTS REFERENCE RANGE

Age Group **2**

[1 - 4 / 4]

Age Group	From	To	Created Date	Updated Date	Status
Adult	13 Years	150 Years	31/10/2013 12:39:44 PM	31/10/2013 12:39:02 PM	Active
Neonate	1 Days	30 Days (3)	31/10/2013 12:39:44 PM	31/10/2013 12:39:02 PM	Active
Paediatric	3 Years	13 Years	31/10/2013 12:39:44 PM	01/07/2019 03:12:22 PM	Active
Paediatric-Infant	31 Days	3 Years	31/10/2013 12:39:44 PM	01/07/2019 03:12:32 PM	Active

Figure 3.12-1 PN Constituents Reference Range Listing Page

STEP 1

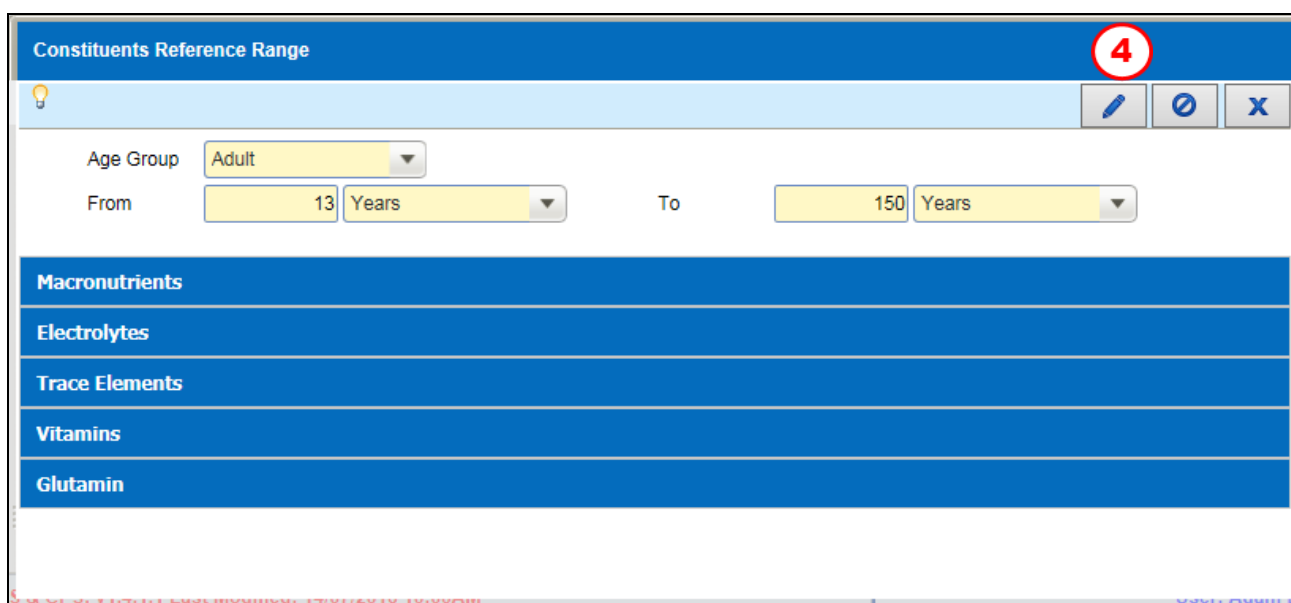
Click on the Pharmacy menu followed by click on the PN Reference sub menu.

STEP 2

Click on the button and system will display related record

STEP 3

Double click on record and system will display Constituents Reference Range screen as Figure 3.12-2



Constituents Reference Range **4**

Age Group

From Years To Years

- Macronutrients
- Electrolytes
- Trace Elements
- Vitamins
- Glutamin

Figure 3.12-2 Constituents Reference Range

STEP 4

Click on the  button to edit the record

Note

There are 4 section which user can edit:

a) **Macronutrients**

Macronutrients						
Protein	Min	0.5	Max	2	Avg	1.25
Carbohydrate	Min	3	Max	5	Avg	4
Lipid	Min	0.5	Max	2	Avg	1.25

Figure 3.12-3 Macronutrients

- User is allowing to edit:
 - Protein**
 - Carbohydrate**
 - Lipid**

b) **Electrolytes**

Electrolytes						
Sodium	Min	1	Max	2	Avg	1.5
Potassium	Min	0.7	Max	1.5	Avg	1.1
Chloride	Min	1.3	Max	2	Avg	1.65
Acetate	Min	0	Max	0	Avg	0
Phosphate	Min	0.5	Max	0.7	Avg	0.6
Magnesium	Min	0.05	Max	0.15	Avg	0.1
Calcium	Min	0.1	Max	0.15	Avg	0.12

Figure 3.12-4 Electrolytes

- User is allow to edit:
 - Sodium**
 - Potassium**
 - Chloride**
 - Acetate**
 - Phosphate**
 - Magnesium**
 - Calcium**

c) **Trace Elements**

Trace Elements						
Trace Element Solution	Min	0	Max	10	Avg	5

Figure 3.12-5 Trace Elements

- User is allowing to edit **Trace Element Solution**

d) Vitamins

Vitamins			
Vitamin Solution	Min	0	Max 10 Avg 5
Fat Soluble	Min	0	Max 10 Avg 5
Water Soluble	Min	0	Max 10 Avg 5

Figure 3.12-6 Vitamins

- User is allowing to edit:
 - **Vitamin Solution**
 - **Fat Soluble**
 - **Water Soluble**

e) Glutamin

Glutamin			
Glutamin	Min	1.5	Max 2.5 Avg 2

Figure 3.12-7 Glutamin

- User is allow to edit **Glutamin**

Constituents Reference Range

5

Save

Cancel

Close

Age Group

Adult

From

13

Years

To

150

Years

Macronutrients

Electrolytes

Trace Elements

Vitamins

Glutamin

Figure 3.12-8 Constituents Reference Range

STEP 5

Click on the  button to save the edited record

Note

- System will display a Confirmation Message as Figure 3.12-9

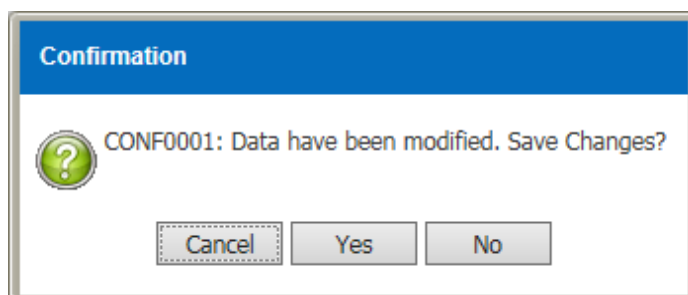
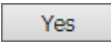
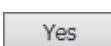


Figure 3.12-9 Confirmation Message

- Click on the  button to save the edited record
- Information Message will display after click on the  button as Figure 3.12-10

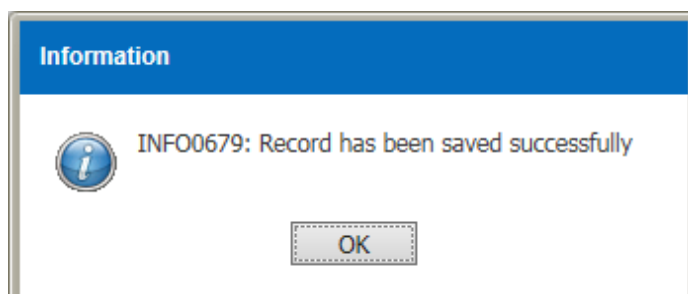
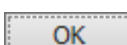
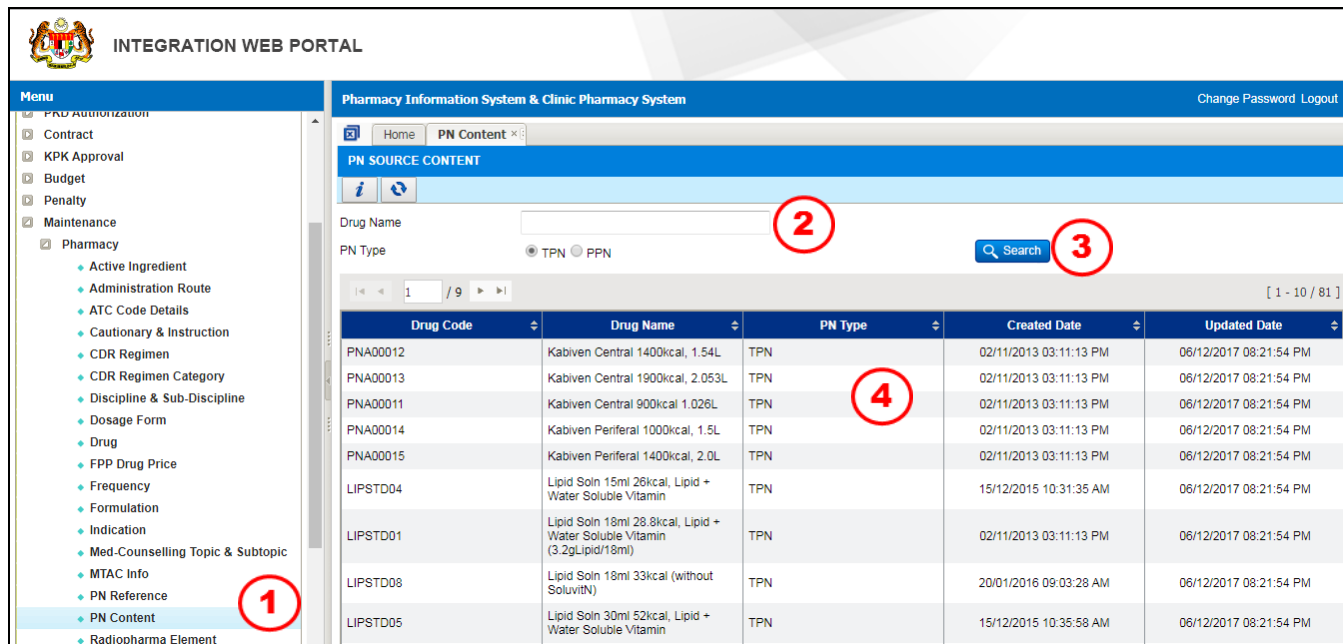


Figure 3.12-10 Information Message

- Click on the  button to confirmed the edited record

3.13 PN Source Content

To create and modify PN Source Content records, perform step below:



Integration Web Portal

Pharmacy Information System & Clinic Pharmacy System

Change Password Logout

Home PN Content

PN SOURCE CONTENT

Drug Name

PN Type ☒ TPN ☐ PPN

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Drug Code	Drug Name	PN Type	Created Date	Updated Date
PNA00012	Kabiven Central 1400kcal, 1.54L	TPN	02/11/2013 03:11:13 PM	06/12/2017 08:21:54 PM
PNA00013	Kabiven Central 1900kcal, 2.053L	TPN	02/11/2013 03:11:13 PM	06/12/2017 08:21:54 PM
PNA00011	Kabiven Central 900kcal 1.026L	TPN	02/11/2013 03:11:13 PM	06/12/2017 08:21:54 PM
PNA00014	Kabiven Periferal 1000kcal, 1.5L	TPN	02/11/2013 03:11:13 PM	06/12/2017 08:21:54 PM
PNA00015	Kabiven Periferal 1400kcal, 2.0L	TPN	02/11/2013 03:11:13 PM	06/12/2017 08:21:54 PM
LIPSTD04	Lipid Soln 15ml 26kcal, Lipid + Water Soluble Vitamin	TPN	15/12/2015 10:31:35 AM	06/12/2017 08:21:54 PM
LIPSTD01	Lipid Soln 18ml 28.8kcal, Lipid + Water Soluble Vitamin (3.2gLipid/18ml)	TPN	02/11/2013 03:11:13 PM	06/12/2017 08:21:54 PM
LIPSTD08	Lipid Soln 18ml 33kcal (without SoluvitN)	TPN	20/01/2016 09:03:28 AM	06/12/2017 08:21:54 PM
LIPSTD05	Lipid Soln 30ml 52kcal, Lipid + Water Soluble Vitamin	TPN	15/12/2015 10:35:58 AM	06/12/2017 08:21:54 PM

Figure 3.13-1 PN Source Content Listing Page

STEP 1

Go to Maintenance menu follow by Pharmacy menu and click on the PN Source Content sub menu.

STEP 2

Search existing record by

- **Drug Name**
- **PN Type**

Note

There are two **PN Type**

- a) **TPN** : Total Parenteral Nutrition
- b) **PPN** : Peripheral Parenteral Nutrition

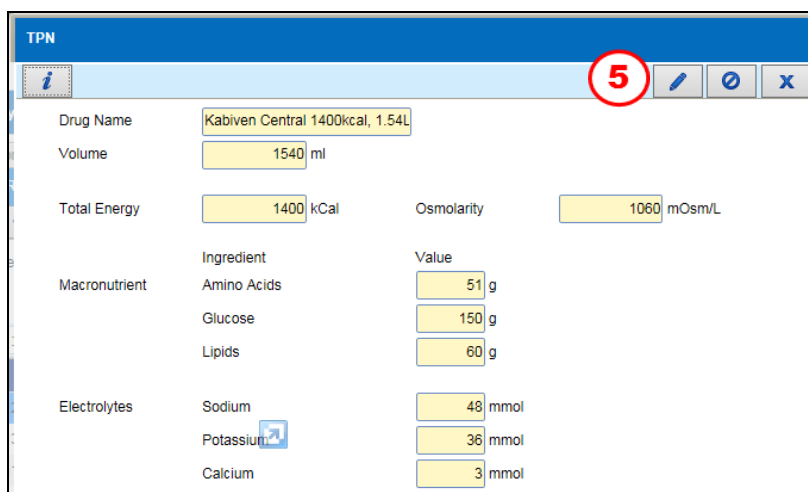
STEP 3

Click on the button and system will display related record

STEP 4

Double click on record and system will display PN Dialog screen.

a) TPN



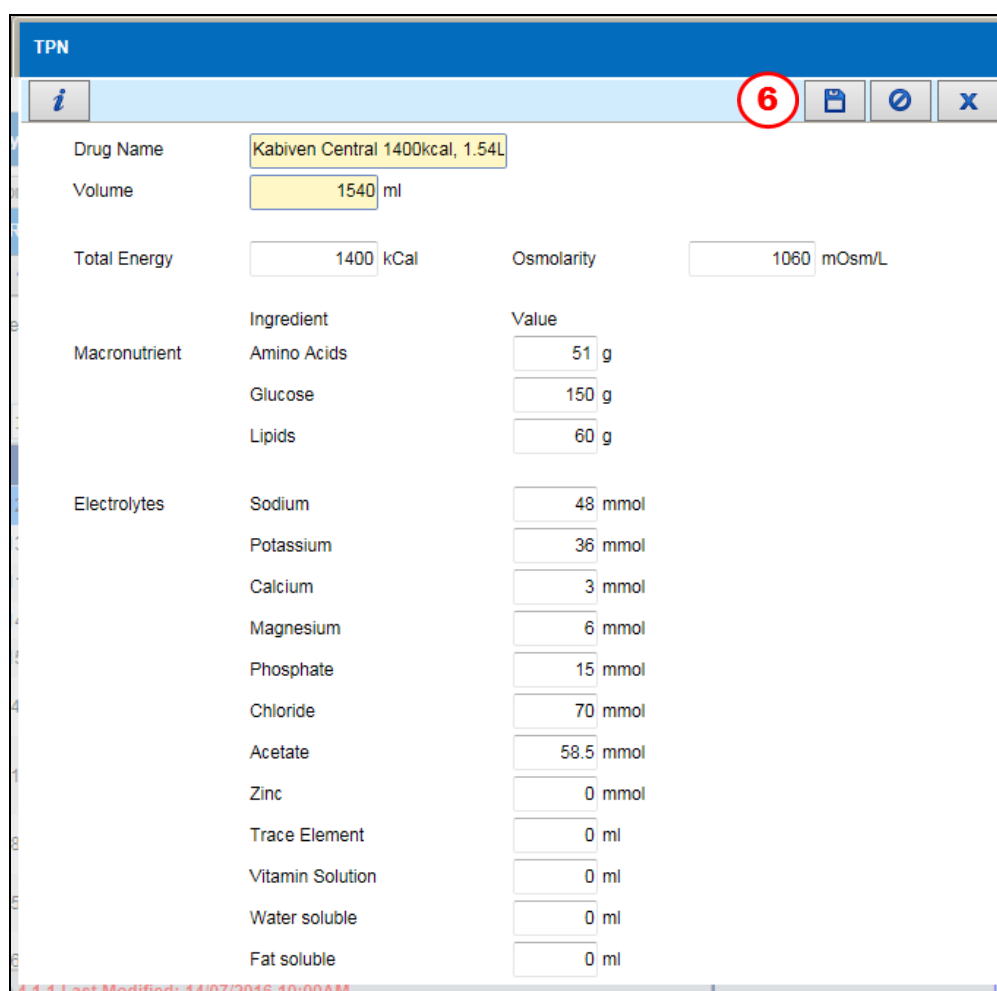
The screenshot shows the TPN (Total Parenteral Nutrition) form. At the top right, there is a toolbar with an information icon (i), a pencil icon (5), a delete icon (X), and a close icon (X). The form fields are as follows:

Field	Value
Drug Name	Kabiven Central 1400kcal, 1.54L
Volume	1540 ml
Total Energy	1400 kCal
Osmolarity	1060 mOsm/L
Macronutrient	
Ingredient	Value
Amino Acids	51 g
Glucose	150 g
Lipids	60 g
Electrolytes	
Sodium	48 mmol
Potassium	36 mmol
Calcium	3 mmol

Figure 3.13-2 TPN

STEP 5

Click on the  button to edit the record



The screenshot shows the TPN (Total Parenteral Nutrition) form. At the top right, there is a toolbar with an information icon (i), a pencil icon (6), a save icon (floppy disk), a delete icon (X), and a close icon (X). The form fields are as follows:

Field	Value
Drug Name	Kabiven Central 1400kcal, 1.54L
Volume	1540 ml
Total Energy	1400 kCal
Osmolarity	1060 mOsm/L
Macronutrient	
Ingredient	Value
Amino Acids	51 g
Glucose	150 g
Lipids	60 g
Electrolytes	
Sodium	48 mmol
Potassium	36 mmol
Calcium	3 mmol
Magnesium	6 mmol
Phosphate	15 mmol
Chloride	70 mmol
Acetate	58.5 mmol
Zinc	0 mmol
Trace Element	0 ml
Vitamin Solution	0 ml
Water soluble	0 ml
Fat soluble	0 ml

At the bottom left, there is a status bar that reads: "4.1.1 Last Modified: 14/07/2016 10:00AM".

Figure 3.13-3 TPN

Note

User is allowing to edit:

- **Total Energy**
- **Osmolarity**
- **Macronutrient**
 - **Amino Acids**
 - **Glucose**
 - **Lipids**
- **Electrolytes**
 - **Sodium**
 - **Potassium**
 - **Calcium**
 - **Magnesium**
 - **Phosphate**
 - **Chloride**
 - **Acetate**
 - **Zink**
 - **Trace Elements**
 - **Vitamin Solution**
 - **Water Soluble**
 - **Fat Soluble**

STEP 6

Click on the  button to save the edited record

Note

- System will display a Confirmation Message as Figure 3.13-4

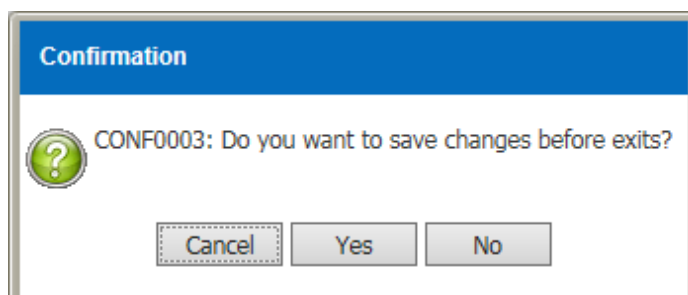
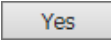
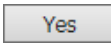


Figure 3.13-4 Confirmation Message

- Click on the  button to save the edited record
- Information Message will display after click on the  button as Figure 3.13-5

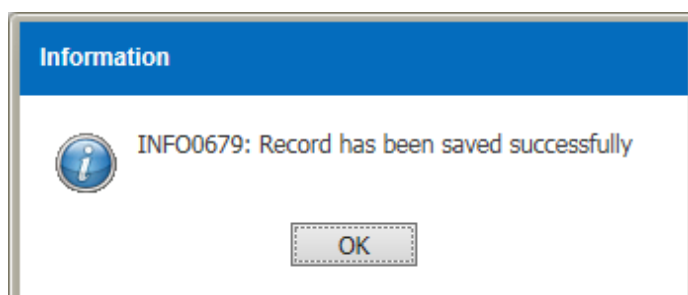
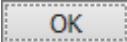
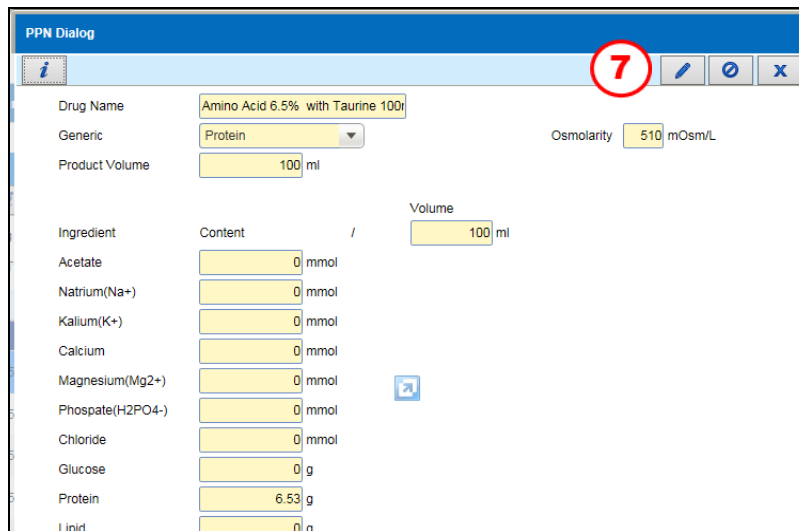


Figure 3.13-5 Information Message

- Click on the  button to confirmed the edited record

a) PPN



PPN Dialog

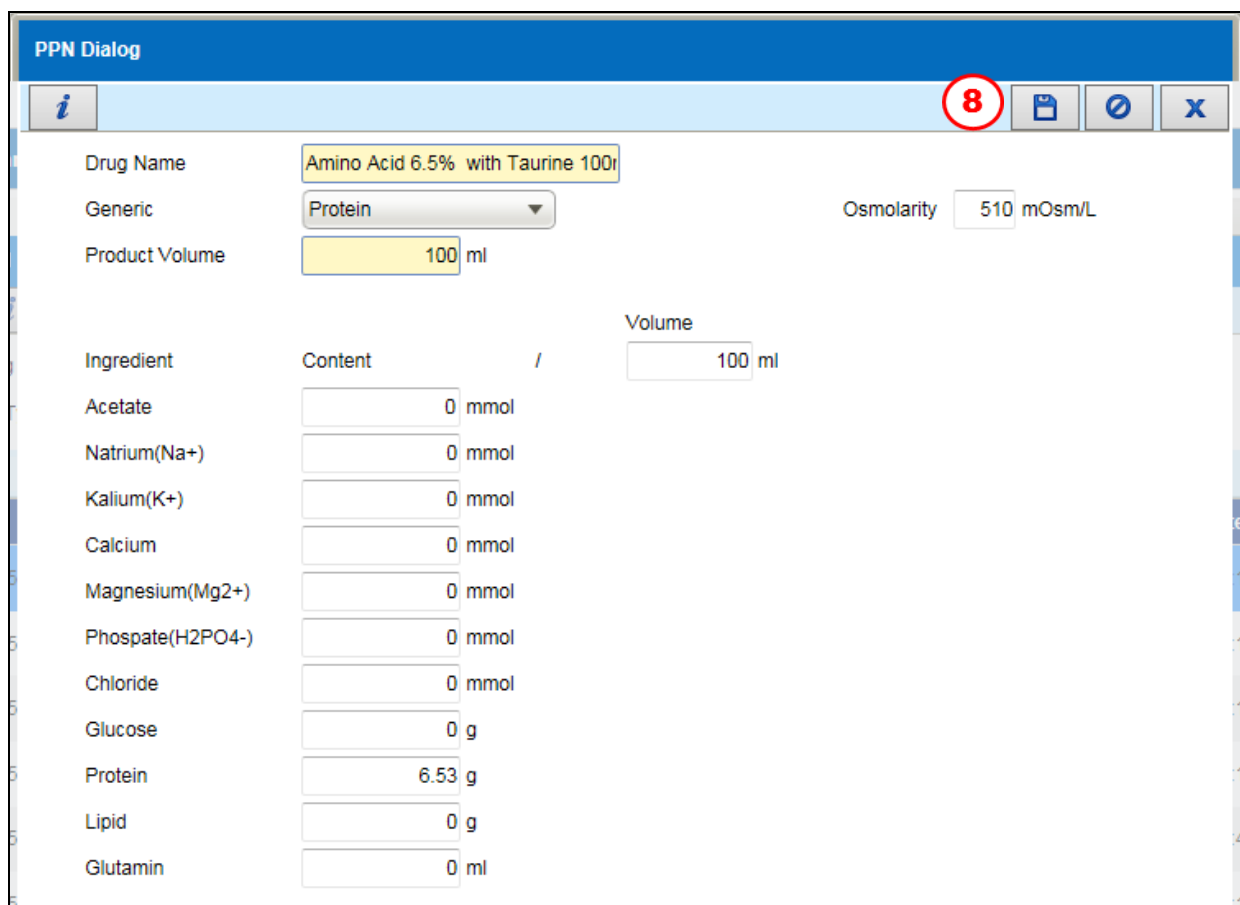
Drug Name: Amino Acid 6.5% with Taurine 100ml
 Generic: Protein
 Product Volume: 100 ml
 Osmolarity: 510 mOsm/L

Ingredient	Content	Volume
Acetate	0 mmol	100 ml
Natrium(Na+)	0 mmol	
Kalium(K+)	0 mmol	
Calcium	0 mmol	
Magnesium(Mg2+)	0 mmol	
Phospate(H2PO4-)	0 mmol	
Chloride	0 mmol	
Glucose	0 g	
Protein	6.53 g	
Lipid	0 g	

Figure 3.13-6 PPN Dialog

STEP 7

Click on the  button to edit the record



PPN Dialog

Drug Name: Amino Acid 6.5% with Taurine 100ml
 Generic: Protein
 Product Volume: 100 ml
 Osmolarity: 510 mOsm/L

Ingredient	Content	Volume
Acetate	0 mmol	100 ml
Natrium(Na+)	0 mmol	
Kalium(K+)	0 mmol	
Calcium	0 mmol	
Magnesium(Mg2+)	0 mmol	
Phospate(H2PO4-)	0 mmol	
Chloride	0 mmol	
Glucose	0 g	
Protein	6.53 g	
Lipid	0 g	
Glutamin	0 ml	

Figure 3.13-7 PPN Dialog

Note

User is allowing to edit:

- **Generic**
- **Osmolarity**
- **Acetate**
- **Natrium(Na+)**
- **Kalium(K+)**
- **Calcium**
- **Magnesium(Mg2+)**
- **Phospate(H2PO4-)**
- **Chloride**
- **Glucose**
- **Protein**
- **Lipid**
- **Glutamin**

STEP 8

Click on the  button to save the edited record

Note

- System will display a Confirmation Message as Figure 3.13-8

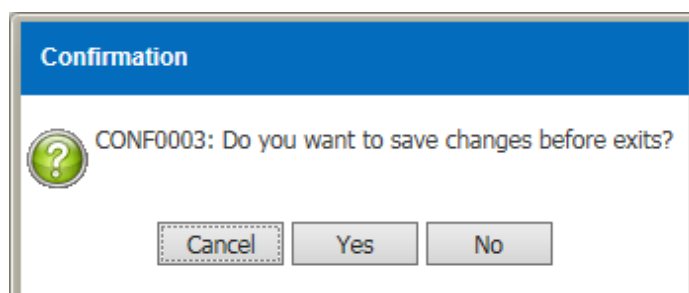
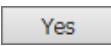
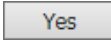


Figure 3.13-8 Confirmation Message

- Click on the  button to save the edited record
- Information Message will display after click on the  button as Figure 3.13-9

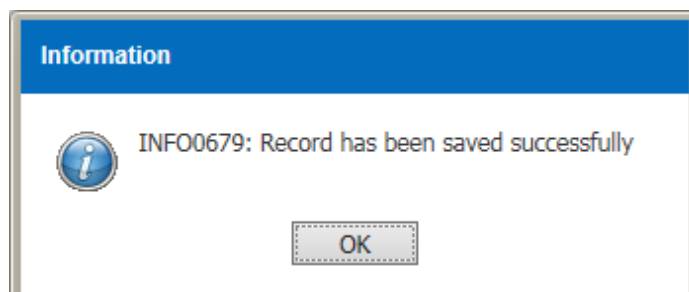
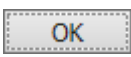


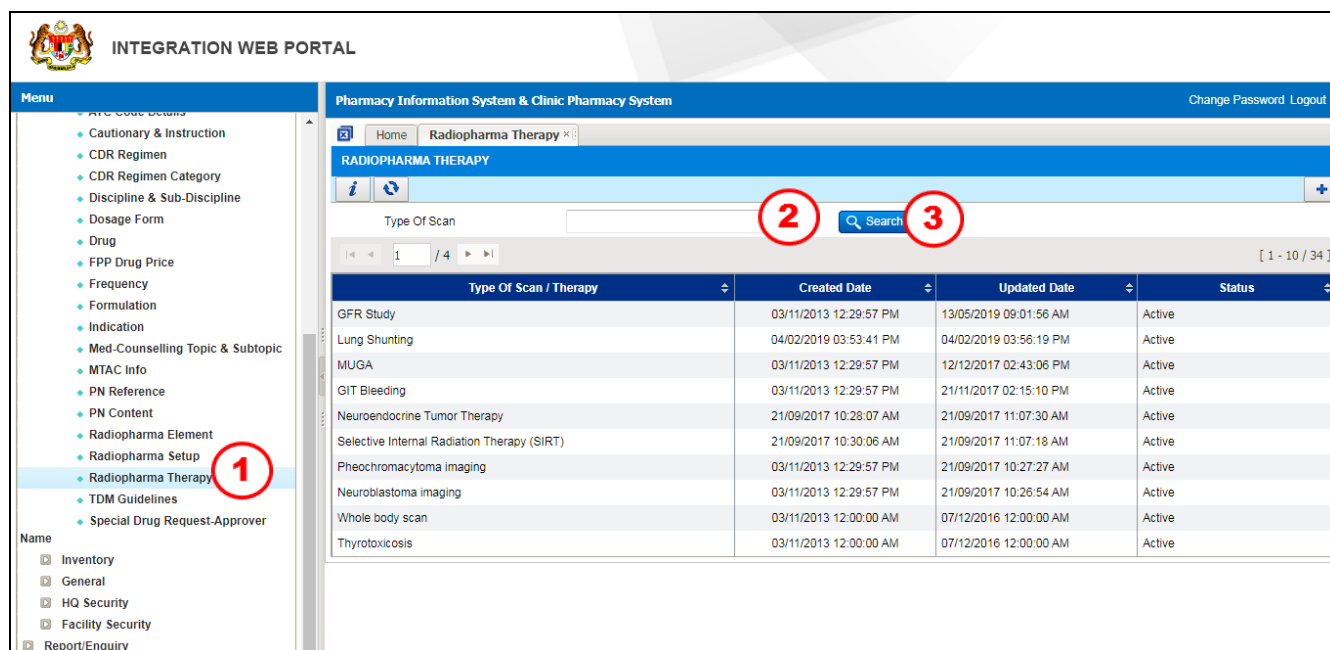
Figure 3.13-9 Information Message

Click on the  button to confirmed the edited record

3.14 Radiopharma Therapy

3.14.1 Create New Radiopharma Therapy

To create new record for Radiopharma Therapy, perform the steps below:



Type Of Scan / Therapy	Created Date	Updated Date	Status
GFR Study	03/11/2013 12:29:57 PM	13/05/2019 09:01:56 AM	Active
Lung Shunting	04/02/2019 03:53:41 PM	04/02/2019 03:56:19 PM	Active
MUGA	03/11/2013 12:29:57 PM	12/12/2017 02:43:06 PM	Active
GIT Bleeding	03/11/2013 12:29:57 PM	21/11/2017 02:15:10 PM	Active
Neuroendocrine Tumor Therapy	21/09/2017 10:28:07 AM	21/09/2017 11:07:30 AM	Active
Selective Internal Radiation Therapy (SIRT)	21/09/2017 10:30:06 AM	21/09/2017 11:07:18 AM	Active
Pheochromocytoma imaging	03/11/2013 12:29:57 PM	21/09/2017 10:27:27 AM	Active
Neuroblastoma imaging	03/11/2013 12:29:57 PM	21/09/2017 10:26:54 AM	Active
Whole body scan	03/11/2013 12:00:00 AM	07/12/2016 12:00:00 AM	Active
Thyrotoxicosis	03/11/2013 12:00:00 AM	07/12/2016 12:00:00 AM	Active

Figure 3.14.1-1 Therapy Linked Radiopharma Listing Page

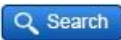
STEP 1

Click on 'Maintenance' menu, followed by 'Pharmacy' and click on 'Radiopharma Therapy'

STEP 2

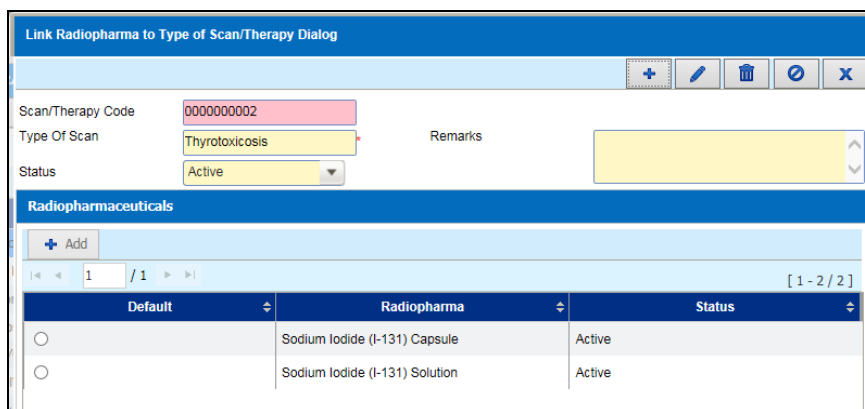
Search existing record by entering **Type Of Scan**

STEP 3

Click on the  button and system will display the related record

Note

User is allowing to view the information by click on the related record and information will be displayed as Figure 3.14.1-2

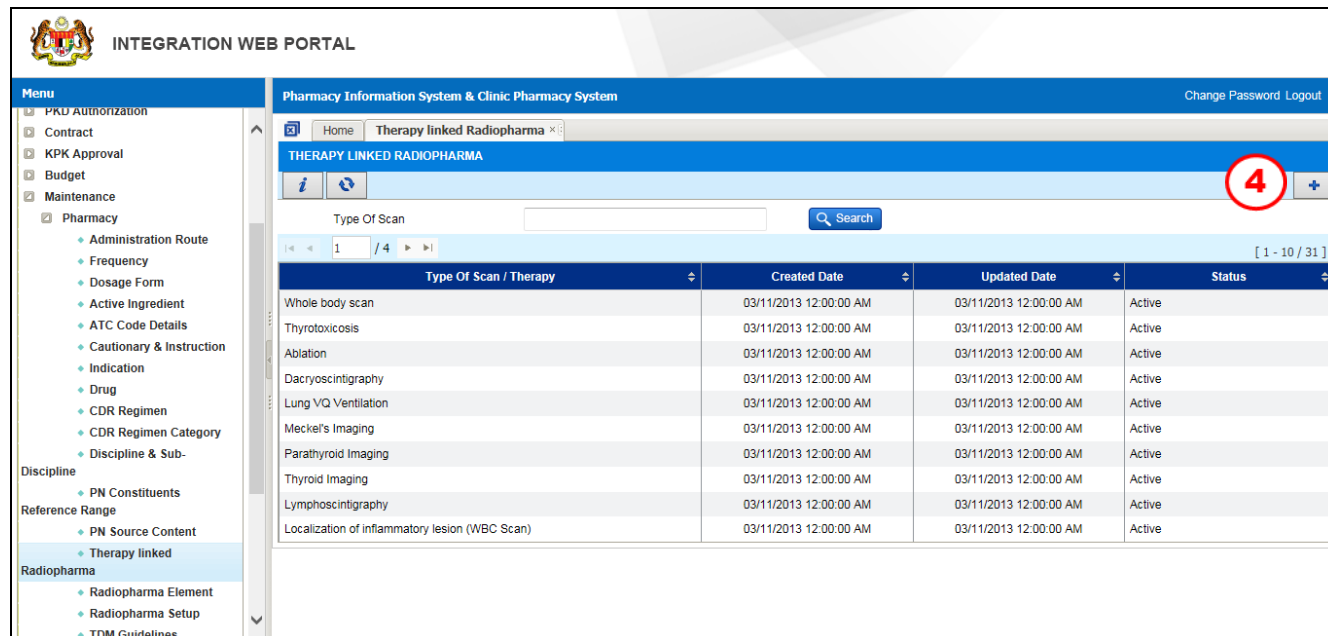


Default	Radiopharma	Status
☐	Sodium Iodide (I-131) Capsule	Active
☐	Sodium Iodide (I-131) Solution	Active

Figure 3.14.1-2 Link Radiopharma to Type of Scan/Therapy Dialog

Note

Click on the  button to close the screen



INTEGRATION WEB PORTAL

Pharmacy Information System & Clinic Pharmacy System

Change Password Logout

Home Therapy linked Radiopharma

THERAPY LINKED RADIOPHARMA

Type Of Scan

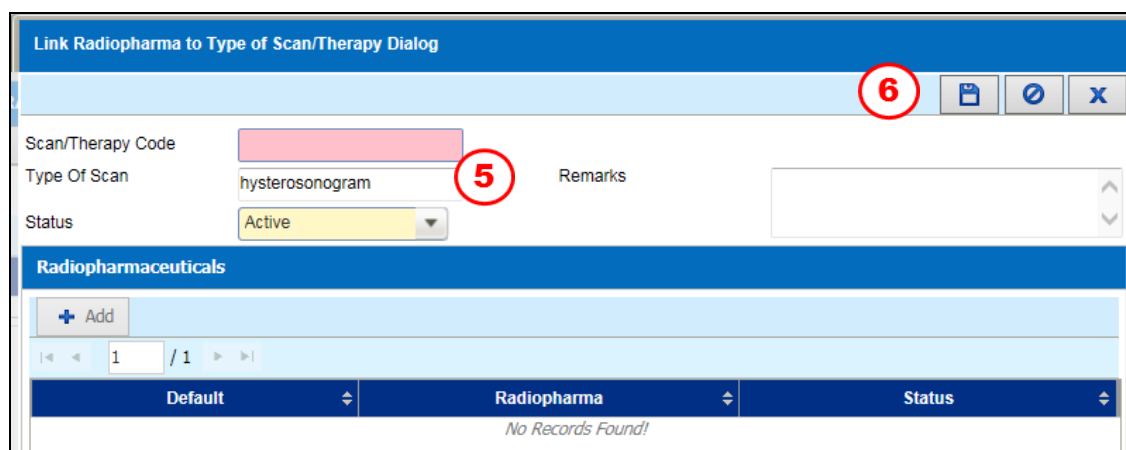
1 / 4 [1 - 10 / 31]

Type Of Scan / Therapy	Created Date	Updated Date	Status
Whole body scan	03/11/2013 12:00:00 AM	03/11/2013 12:00:00 AM	Active
Thyrotoxicosis	03/11/2013 12:00:00 AM	03/11/2013 12:00:00 AM	Active
Ablation	03/11/2013 12:00:00 AM	03/11/2013 12:00:00 AM	Active
Dacryoscintigraphy	03/11/2013 12:00:00 AM	03/11/2013 12:00:00 AM	Active
Lung VQ Ventilation	03/11/2013 12:00:00 AM	03/11/2013 12:00:00 AM	Active
Meckel's Imaging	03/11/2013 12:00:00 AM	03/11/2013 12:00:00 AM	Active
Parathyroid Imaging	03/11/2013 12:00:00 AM	03/11/2013 12:00:00 AM	Active
Thyroid Imaging	03/11/2013 12:00:00 AM	03/11/2013 12:00:00 AM	Active
Lymphoscintigraphy	03/11/2013 12:00:00 AM	03/11/2013 12:00:00 AM	Active
Localization of inflammatory lesion (WBC Scan)	03/11/2013 12:00:00 AM	03/11/2013 12:00:00 AM	Active

Figure 3.14.1-3 Therapy Linked Radiopharma

STEP 4

Click on the  button to create a new record and Link Radiopharma to Type of Scan/Therapy Dialog will be displayed as Figure 3.14.1-4



Link Radiopharma to Type of Scan/Therapy Dialog

Scan/Therapy Code

Type Of Scan **5** Remarks

Status

Radiopharmaceuticals

6

1 / 1

Default	Radiopharma	Status
No Records Found!		

Figure 3.14.1-4 Link Radiopharma to Type of Scan/Therapy Dialog

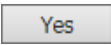
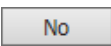
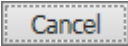
STEP 5

Enter **Type Of Scan**

STEP 6

Click on the  button to save the record

Note

- System will display a Confirmation Message as Figure 3.14.1-5
- Click on the  button to save the transaction
- Click on the  or  button to cancel the saved record

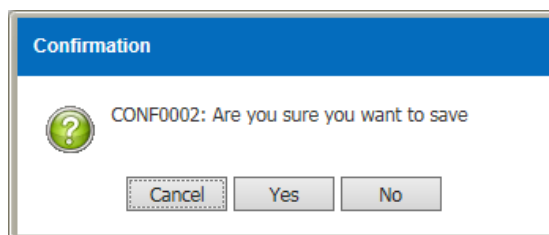
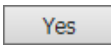
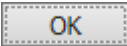


Figure 3.14.1-5 Confirmation Message

- Information Message will display after click on the  button as Figure 3.14.1-6
- Click on the  button to confirmed the save transaction and Scan/Therapy Code will generated for future reference

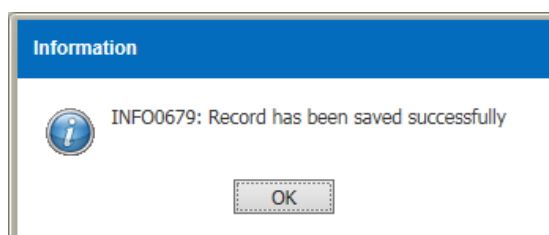


Figure 3.14.1-6 Information Message

- System will display an Information Message if **Type Of Scan** already exists as Figure 3.14.1-7

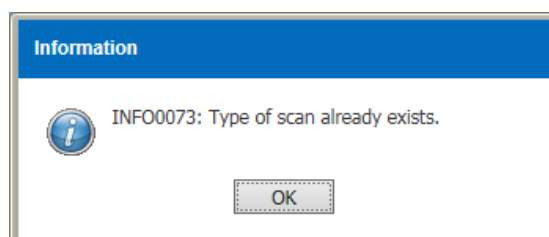
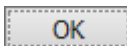


Figure 3.14.1-7 Information Message

- Click on the  button

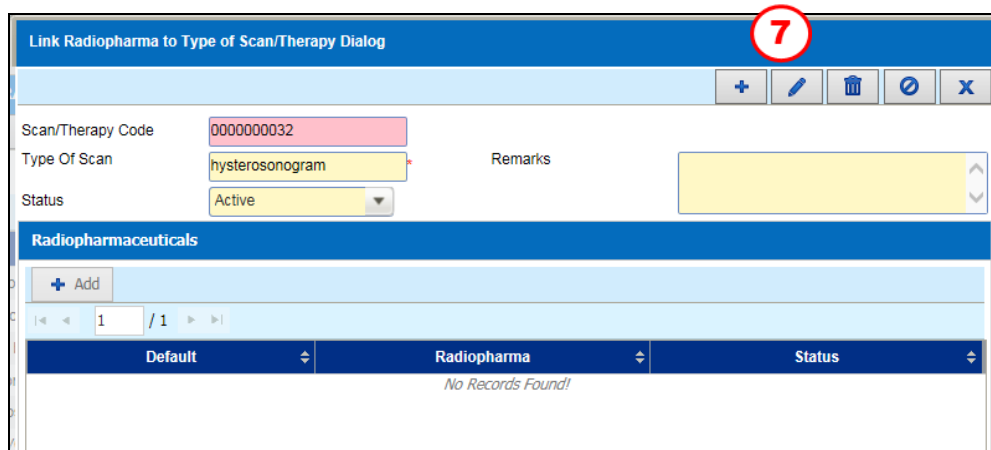


Figure 3.14.1-8 Link Radiopharma to Type of Scan/therapy Dialog

STEP 7

Click on the  button to edit the record

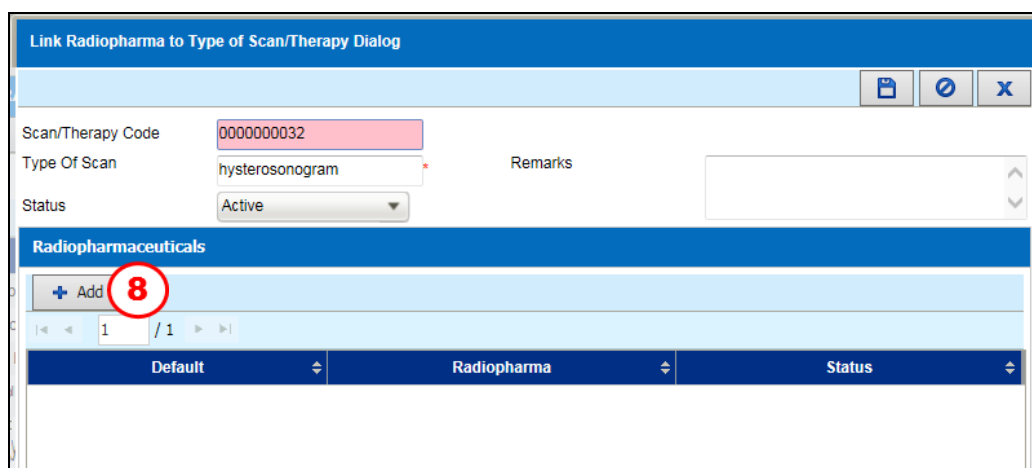


Figure 3.14.1-9 Link Radiopharma to Type of Scan/therapy Dialog

STEP 8

Click on the  button and Radiopharmaceuticals screen will be display as Figure 3.14.1-10

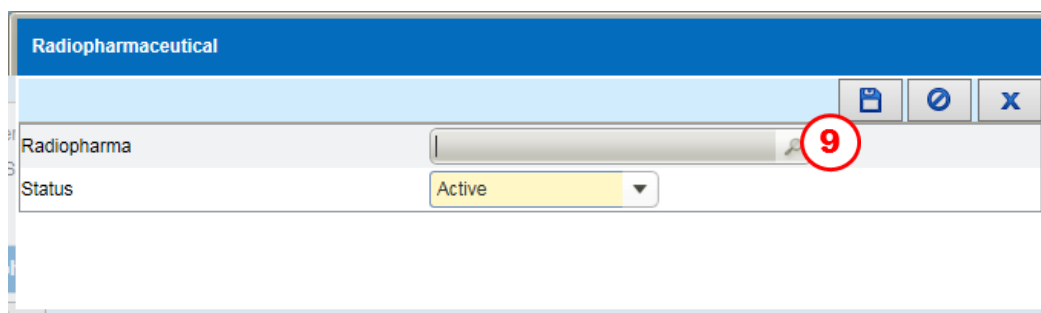
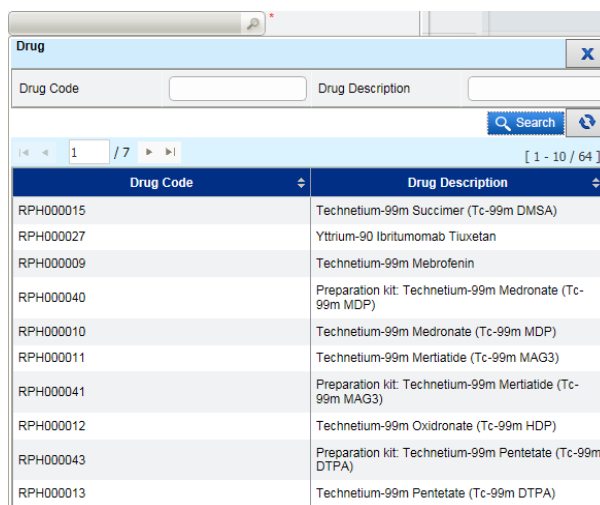


Figure 3.14.1-10 Radiopharmaceutical

STEP 9

Click on the **Radiopharma**  and Drug window will be displayed as Figure 3.14.1-11



Drug Code	Drug Description
RPH000015	Technetium-99m Succimer (Tc-99m DMSA)
RPH000027	Yttrium-90 Ibritumomab Tiuxetan
RPH000009	Technetium-99m Mebrofenin
RPH000040	Preparation kit: Technetium-99m Medronate (Tc-99m MDP)
RPH000010	Technetium-99m Medronate (Tc-99m MDP)
RPH000011	Technetium-99m Mertiatide (Tc-99m MAG3)
RPH000041	Preparation kit: Technetium-99m Mertiatide (Tc-99m MAG3)
RPH000012	Technetium-99m Oxidronate (Tc-99m HDP)
RPH000043	Preparation kit: Technetium-99m Pentetate (Tc-99m DTPA)
RPH000013	Technetium-99m Pentetate (Tc-99m DTPA)

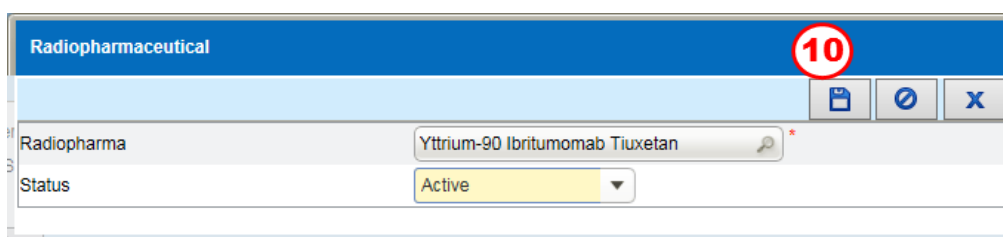
Figure 3.14.1-11 Drug

Note

- User is allowed to enter partially or fully searching criteria for **Drug Code** and **Drug Description**. Then click on the  button

Note

- Double click on the selected **Drug Code**



Radiopharmaceutical

Radiopharma: Yttrium-90 Ibritumomab Tiuxetan

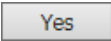
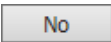
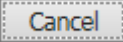
Status: Active

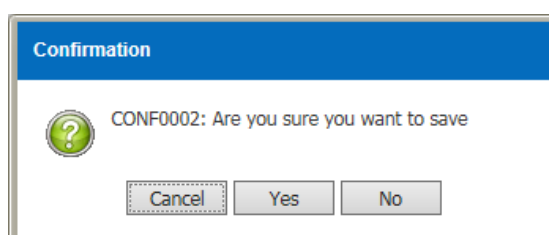
Figure 3.14.1-12 Radiopharmaceutical

STEP 10

Click on the  button to save the record

Note

- System will display a Confirmation Message as Figure 3.14.1-13
- Click on the  button to save the transaction
- Click on the  or  button to cancel the saved record



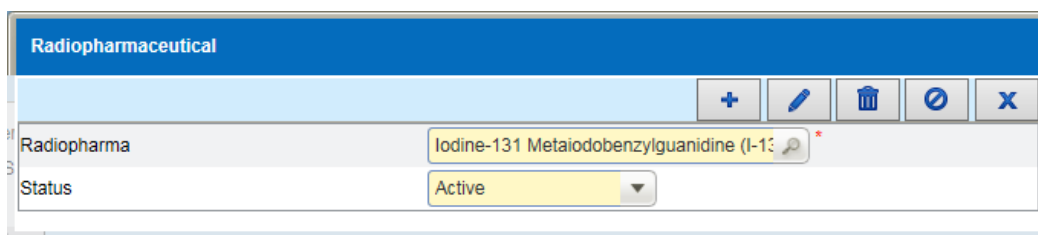
Confirmation

CONF0002: Are you sure you want to save

 CONF0002: Are you sure you want to save

Figure 3.14.1-13 Confirmation Message

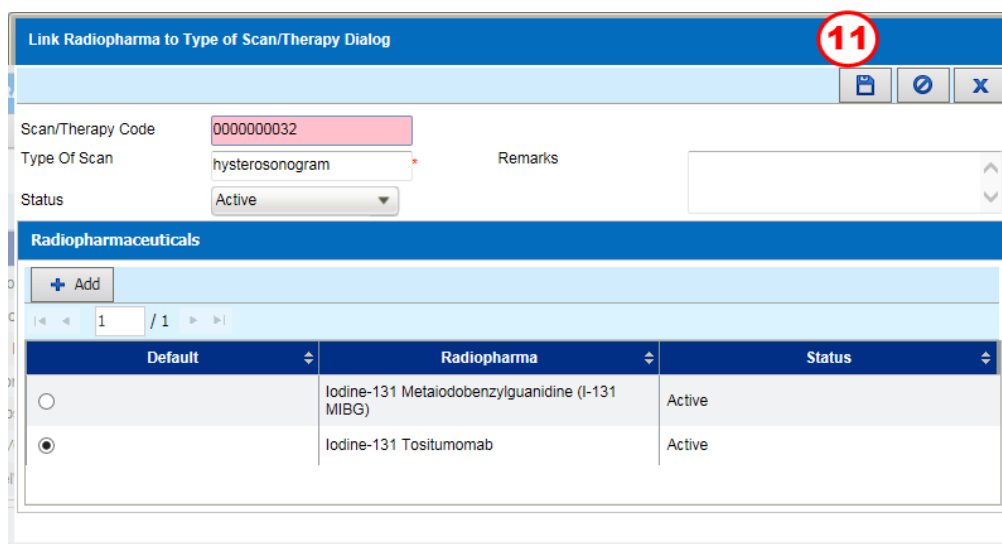


Radiopharmaceutical	
Radiopharma	Iodine-131 Metaiodobenzylguanidine (I-131)
Status	Active

Figure 3.14.1-14 Radiopharmaceutical

Note

- User is allow to add more drug by click on the  button and follow **STEP 9** to **STEP 10**.
- Click on the  button to close the screen.



Link Radiopharma to Type of Scan/Therapy Dialog

Scan/Therapy Code: 0000000032

Type Of Scan: hysterosonogram

Status: Active

Remarks:

Radiopharmaceuticals

Default	Radiopharma	Status
☐	Iodine-131 Metaiodobenzylguanidine (I-131 MIBG)	Active
☒	Iodine-131 Tositumomab	Active

Figure 3.14.1-15 Link Radiopharma to Type of Scan/therapy Dialog

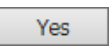
Note

If there is more than 1 drug under Radiopharmaceuticals, user is allow to set default drug by click on ☐ button

STEP 11

Click on the  button to save the record

Note

- System will display a Confirmation Message as Figure 3.14.1-16
- Click on the  button to save the record

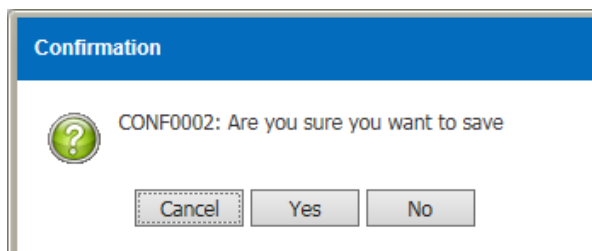
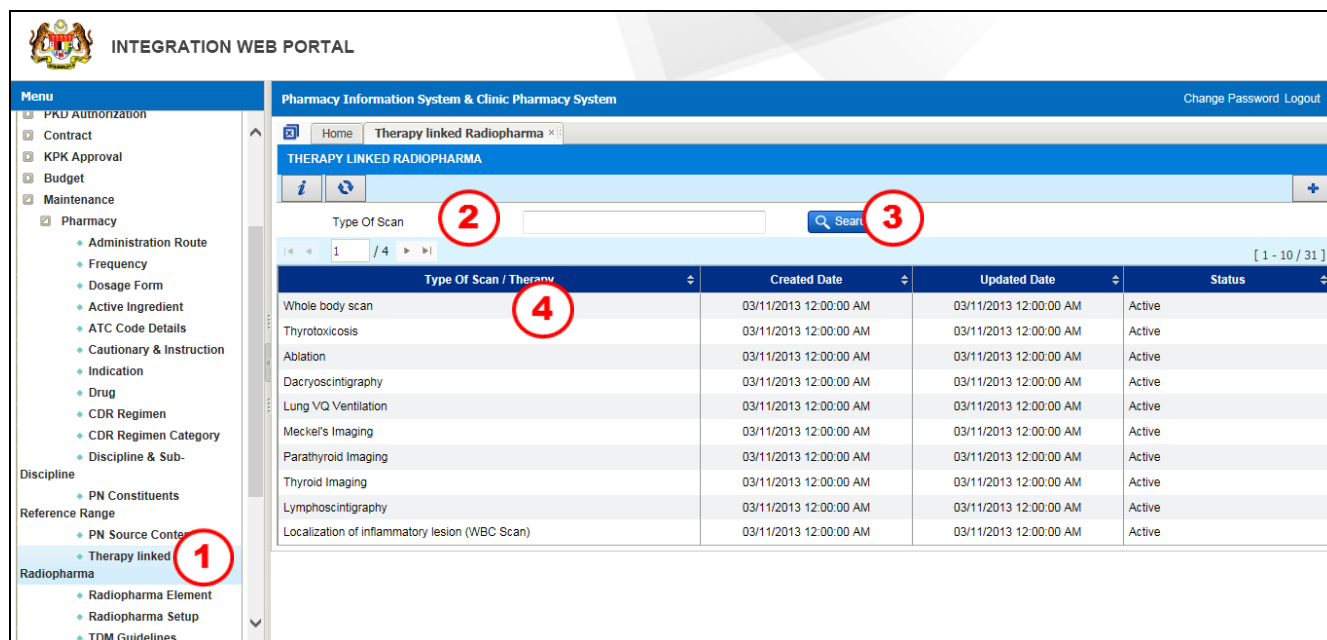


Figure 3.14.1-16 Confirmation Message

3.14.2 Modify Radiopharma Therapy

To modify Radiopharma Therapy records, perform the steps below:



Type Of Scan / Therapy	Created Date	Updated Date	Status
Whole body scan	03/11/2013 12:00:00 AM	03/11/2013 12:00:00 AM	Active
Thyrotoxicosis	03/11/2013 12:00:00 AM	03/11/2013 12:00:00 AM	Active
Ablation	03/11/2013 12:00:00 AM	03/11/2013 12:00:00 AM	Active
Dacryoscintigraphy	03/11/2013 12:00:00 AM	03/11/2013 12:00:00 AM	Active
Lung V/Q Ventilation	03/11/2013 12:00:00 AM	03/11/2013 12:00:00 AM	Active
Meckel's Imaging	03/11/2013 12:00:00 AM	03/11/2013 12:00:00 AM	Active
Parathyroid Imaging	03/11/2013 12:00:00 AM	03/11/2013 12:00:00 AM	Active
Thyroid Imaging	03/11/2013 12:00:00 AM	03/11/2013 12:00:00 AM	Active
Lymphoscintigraphy	03/11/2013 12:00:00 AM	03/11/2013 12:00:00 AM	Active
Localization of inflammatory lesion (WBC Scan)	03/11/2013 12:00:00 AM	03/11/2013 12:00:00 AM	Active

Figure 3.14.2-1 Therapy Linked Radiopharma Listing Page

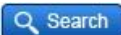
STEP 1

Click on 'Maintenance' menu, followed by 'Pharmacy' and click on 'Radiopharma Therapy'

STEP 2

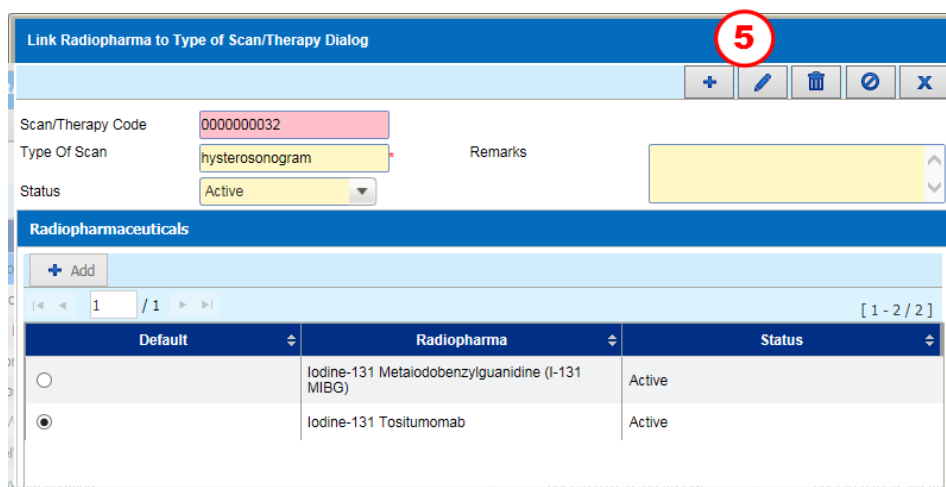
Search existing record by entering **Type Of Scan**

STEP 3

Click on the  button and system will display related record

STEP 4

Click on the selected record



Default	Radiopharma	Status
☐	Iodine-131 Metaiodobenzylguanidine (I-131 MIBG)	Active
☒	Iodine-131 Tositumomab	Active

Figure 3.14.2-2 Link Radiopharma to Type of Scan/Therapy Dialog

STEP 5

Click on the  button to edit the record

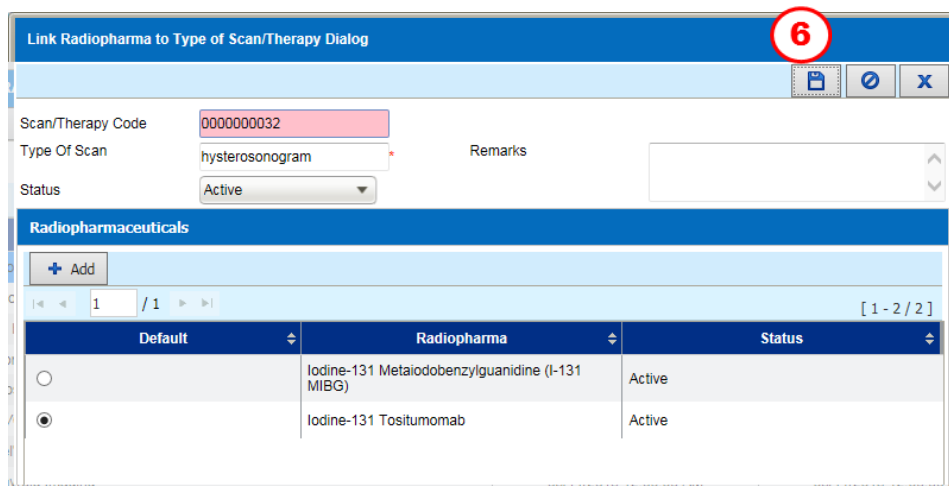


Figure 3.14.2-3 Link Radiopharma to Type of Scan/Therapy Dialog

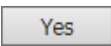
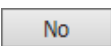
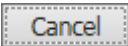
Note

- User is allowing to edit:
 - Type Of Scan**
 - Status**
 - Radiopharma Drug**

STEP 6

Click on the  button to save the edited record

Note

- System will display a Confirmation Message as Figure 3.14.2-4
- Click on the  button to save the edited record
- Click on the  or  button to cancel the edited record

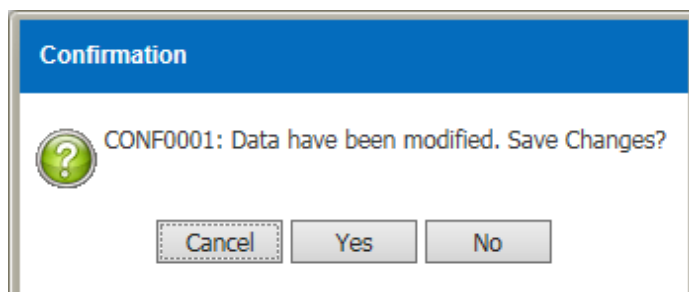
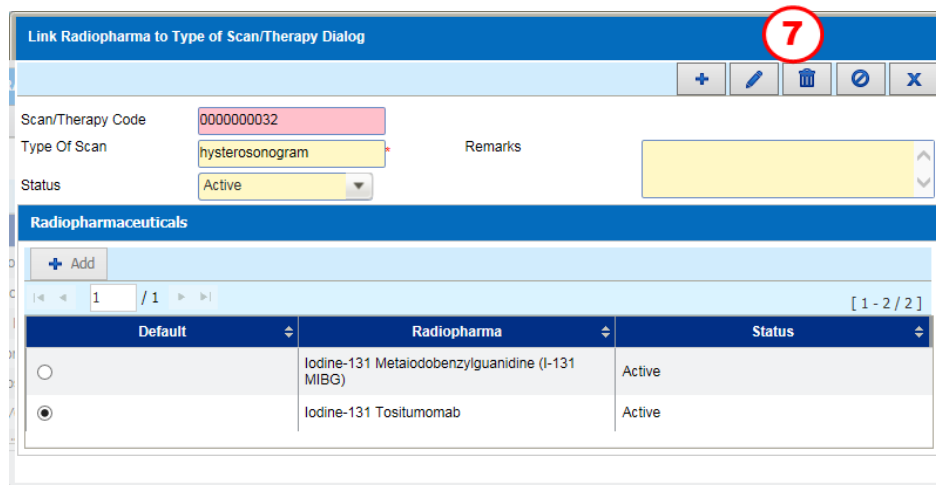


Figure 3.14.2-4 Confirmation Message



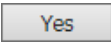
Default	Radiopharma	Status
☐	Iodine-131 Metaiodobenzylguanidine (I-131 MIBG)	Active
☒	Iodine-131 Tositumomab	Active

Figure 3.14.2-5 Link Radiopharma to Type of Scan/Therapy Dialog

STEP 7

Click on the  button to delete the record

Note

- System will display a Confirmation Message as Figure 3.14.2-6
- Click on the  button to delete the record

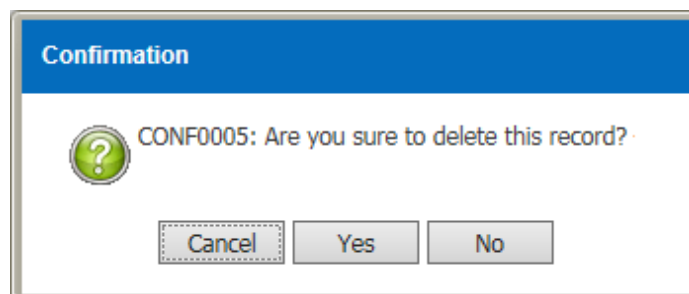


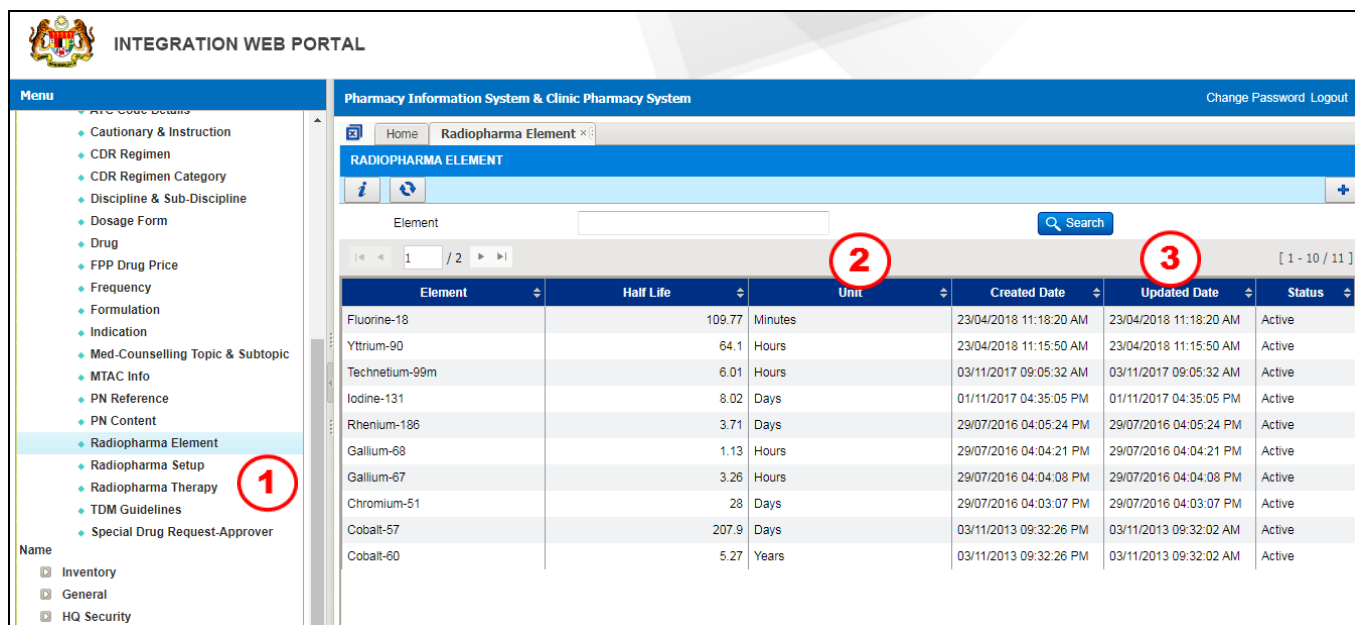
Figure 3.14.2-6 Confirmation Message

- The status of the record will be **Inactive** as figure 3.14.2-7

3.15 Radiopharma Element

3.15.1 Create New Radiopharma Element

To create new record for Radiopharma Element, perform the steps below:



Element	Half Life	Unit	Created Date	Updated Date	Status
Fluorine-18	109.77	Minutes	23/04/2018 11:18:20 AM	23/04/2018 11:18:20 AM	Active
Yttrium-90	64.1	Hours	23/04/2018 11:15:50 AM	23/04/2018 11:15:50 AM	Active
Technetium-99m	6.01	Hours	03/11/2017 09:05:32 AM	03/11/2017 09:05:32 AM	Active
Iodine-131	8.02	Days	01/11/2017 04:35:05 PM	01/11/2017 04:35:05 PM	Active
Rhenium-186	3.71	Days	29/07/2016 04:05:24 PM	29/07/2016 04:05:24 PM	Active
Gallium-68	1.13	Hours	29/07/2016 04:04:21 PM	29/07/2016 04:04:21 PM	Active
Gallium-67	3.26	Hours	29/07/2016 04:04:08 PM	29/07/2016 04:04:08 PM	Active
Chromium-51	28	Days	29/07/2016 04:03:07 PM	29/07/2016 04:03:07 PM	Active
Cobalt-57	207.9	Days	03/11/2013 09:32:26 PM	03/11/2013 09:32:02 AM	Active
Cobalt-60	5.27	Years	03/11/2013 09:32:26 PM	03/11/2013 09:32:02 AM	Active

Figure 3.15.1-1 Radiopharma Element

STEP 1

Click on 'Maintenance' menu, followed by 'Pharmacy' and click on 'Radiopharma Element'

STEP 2

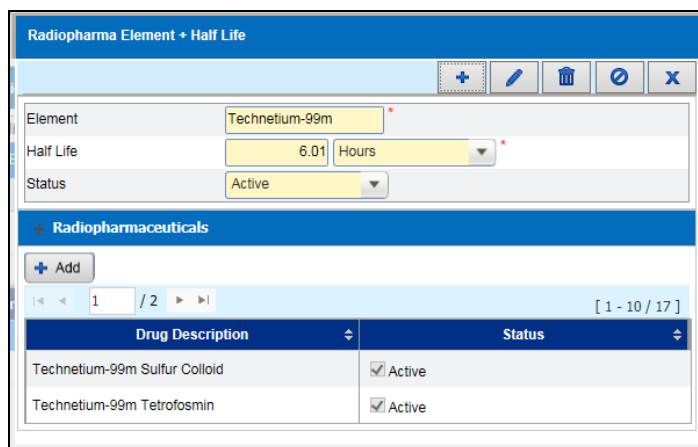
Search existing record by entering **Element**

STEP 3

Click on the  button and system will display the related record

Note

User is allowing to view the information by click on the related record and information will be displayed as Figure 3.15.1-2

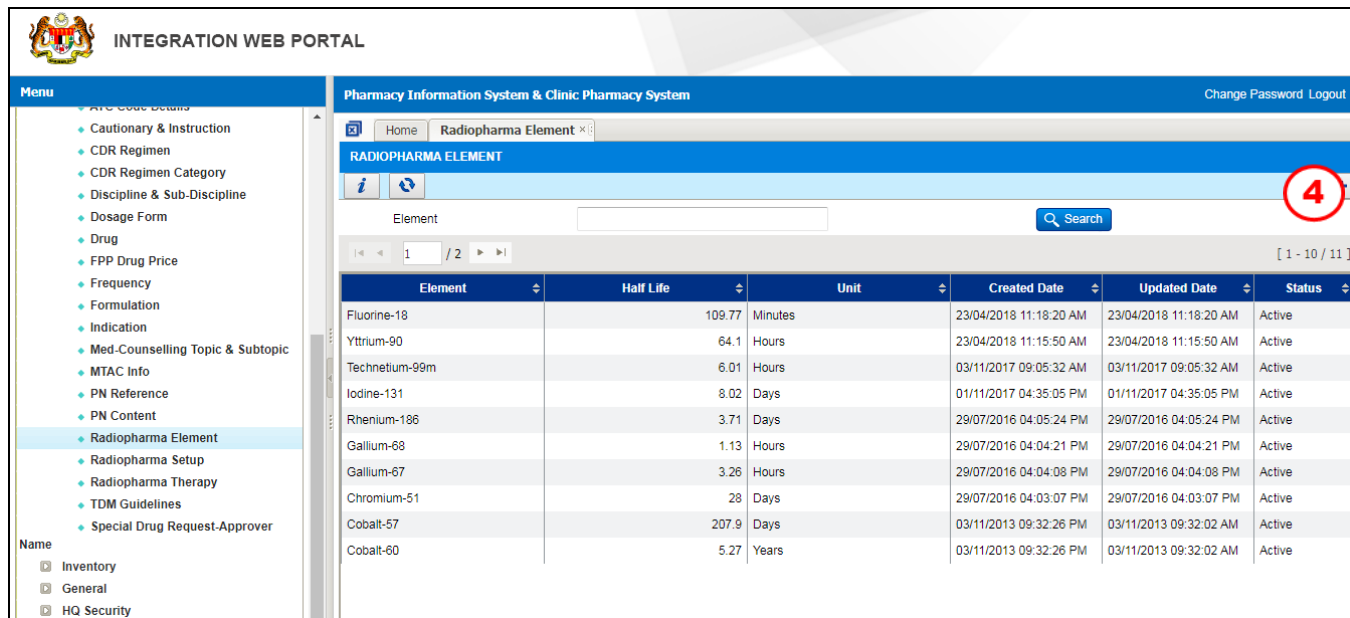


Drug Description	Status
Technetium-99m Sulfur Colloid	☒ Active
Technetium-99m Tetrofosmin	☒ Active

Figure 3.15.1-2 Radiopharma Element + Half Life

Note

Click on the  button to close the screen



Element	Half Life	Unit	Created Date	Updated Date	Status
Fluorine-18	109.77	Minutes	23/04/2018 11:18:20 AM	23/04/2018 11:18:20 AM	Active
Yttrium-90	64.1	Hours	23/04/2018 11:15:50 AM	23/04/2018 11:15:50 AM	Active
Technetium-99m	6.01	Hours	03/11/2017 09:05:32 AM	03/11/2017 09:05:32 AM	Active
Iodine-131	8.02	Days	01/11/2017 04:35:05 PM	01/11/2017 04:35:05 PM	Active
Rhenium-186	3.71	Days	29/07/2016 04:05:24 PM	29/07/2016 04:05:24 PM	Active
Gallium-68	1.13	Hours	29/07/2016 04:04:21 PM	29/07/2016 04:04:21 PM	Active
Gallium-67	3.26	Hours	29/07/2016 04:04:08 PM	29/07/2016 04:04:08 PM	Active
Chromium-51	28	Days	29/07/2016 04:03:07 PM	29/07/2016 04:03:07 PM	Active
Cobalt-57	207.9	Days	03/11/2013 09:32:26 PM	03/11/2013 09:32:02 AM	Active
Cobalt-60	5.27	Years	03/11/2013 09:32:26 PM	03/11/2013 09:32:02 AM	Active

Figure 3.15.1-3 Radiopharma Element

STEP 4

Click on the  button to create a new record and Radiopharma Element + Half Life screen will be displayed as Figure 3.15.1-4

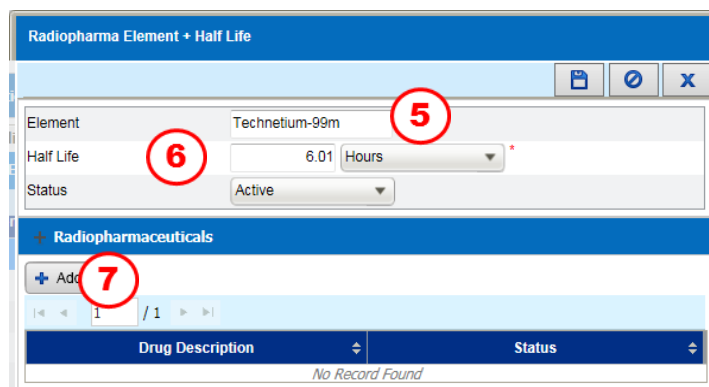


Figure 3.15.1-4 Radiopharma Element + Half Life

STEP 5

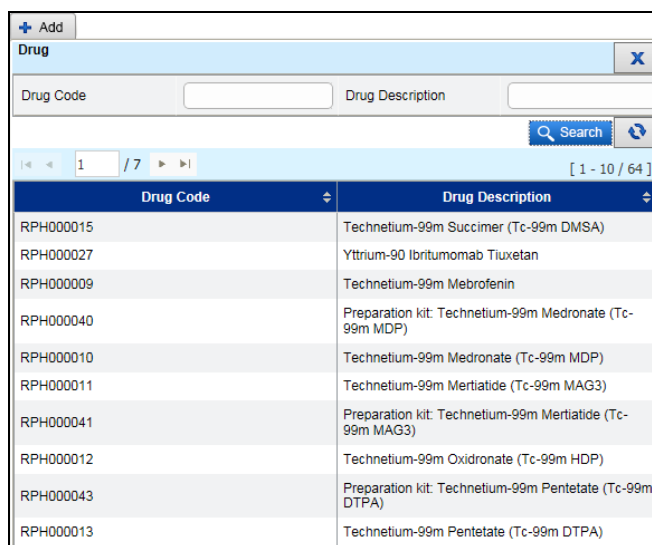
Enter **Element**

STEP 6

Enter **Half Life** and select the interval between **Days/Hours/Minutes/Months/Seconds/Years**

STEP 7

Click on the  button and Drug window will be displayed as Figure 3.15.1-5

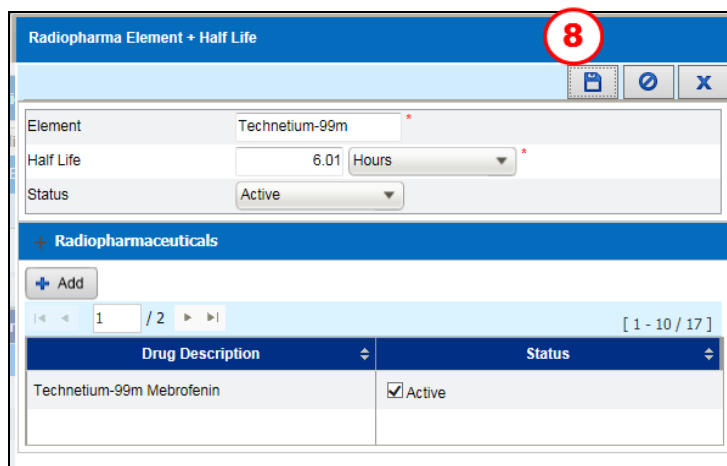


Drug Code	Drug Description
RPH000015	Technetium-99m Succimer (Tc-99m DMSA)
RPH000027	Yttrium-90 Ibritumomab Tiuxetan
RPH000009	Technetium-99m Mebrofenin
RPH000040	Preparation kit: Technetium-99m Medronate (Tc-99m MDP)
RPH000010	Technetium-99m Medronate (Tc-99m MDP)
RPH000011	Technetium-99m Mertiatide (Tc-99m MAG3)
RPH000041	Preparation kit: Technetium-99m Mertiatide (Tc-99m MAG3)
RPH000012	Technetium-99m Oxidronate (Tc-99m HDP)
RPH000043	Preparation kit: Technetium-99m Pentetate (Tc-99m DTPA)
RPH000013	Technetium-99m Pentetate (Tc-99m DTPA)

Figure 3.15.1-5 Drug

Note

- User is allowed to enter partially or fully searching criteria for **Drug Code** and **Drug Description**. Then click on the  button
- Double click on the selected **Drug Code**



Drug Description	Status
Technetium-99m Mebrofenin	☒ Active

Figure 3.15.1-6 Radiopharma Element + Half Life

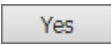
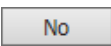
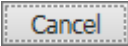
Note

- User is allow to add more drug by click on the  button and follow **STEP 7**.

STEP 8

Click on the  button to save the record

Note

- System will display a Confirmation Message as Figure 3.15.1-7
- Click on the  button to save the transaction
- Click on the  or  button to cancel the saved record

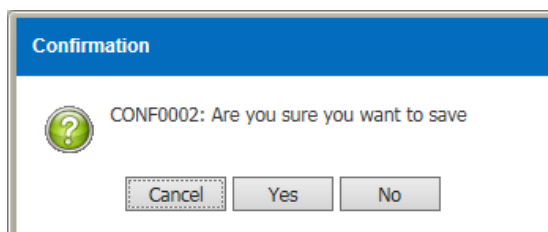


Figure 3.15.1-7 Confirmation Message

- System will display an Information Message if **Element Code** already exists as Figure 3.15.1-8

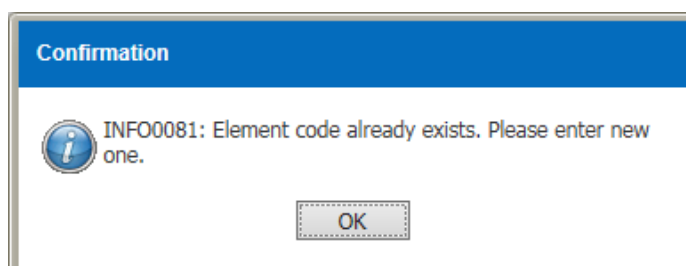
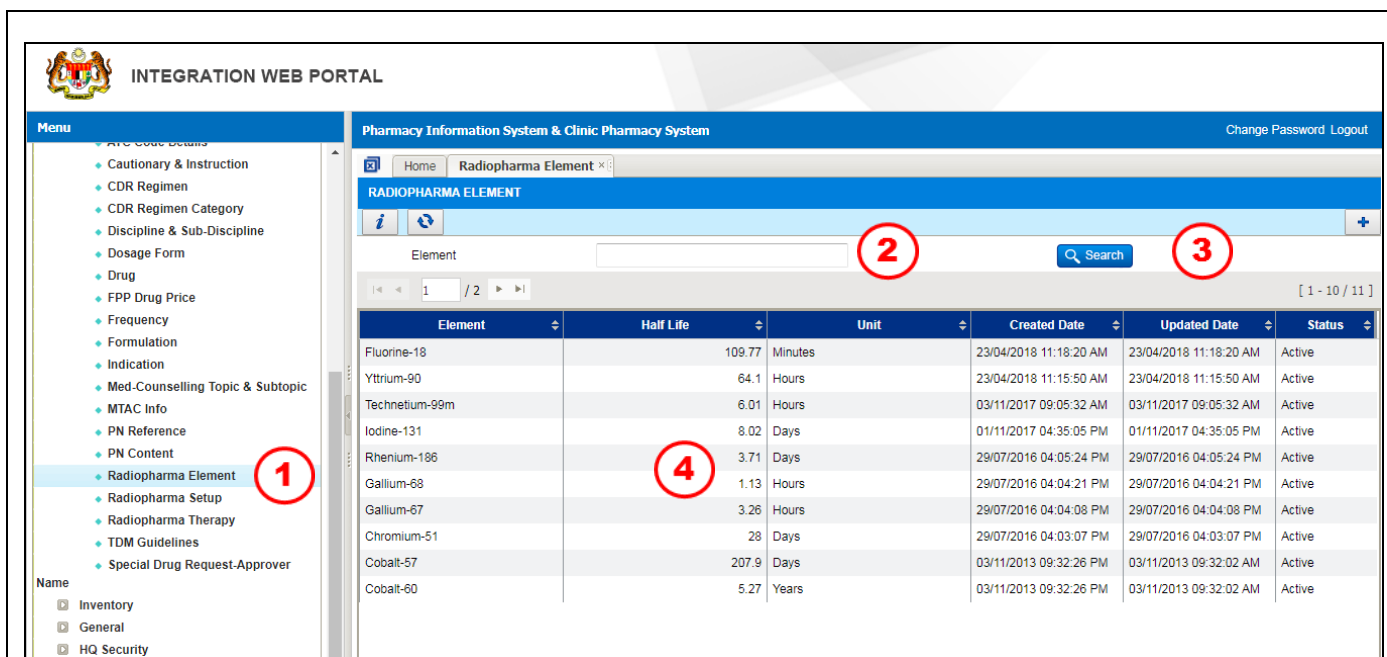


Figure 3.15.1-8 Information Message

3.15.2 Modify Radiopharma Element

To modify record for Radiopharma Element, perform the steps below:



INTEGRATION WEB PORTAL

Pharmacy Information System & Clinic Pharmacy System

Change Password Logout

Home Radiopharma Element

RADIOPHARMA ELEMENT

Element

[1 - 10 / 11]

Element	Half Life	Unit	Created Date	Updated Date	Status
Fluorine-18	109.77	Minutes	23/04/2018 11:18:20 AM	23/04/2018 11:18:20 AM	Active
Yttrium-90	64.1	Hours	23/04/2018 11:15:50 AM	23/04/2018 11:15:50 AM	Active
Technetium-99m	6.01	Hours	03/11/2017 09:05:32 AM	03/11/2017 09:05:32 AM	Active
Iodine-131	8.02	Days	01/11/2017 04:35:05 PM	01/11/2017 04:35:05 PM	Active
Rhenium-186	3.71	Days	29/07/2016 04:05:24 PM	29/07/2016 04:05:24 PM	Active
Gallium-68	1.13	Hours	29/07/2016 04:04:21 PM	29/07/2016 04:04:21 PM	Active
Gallium-67	3.26	Hours	29/07/2016 04:04:08 PM	29/07/2016 04:04:08 PM	Active
Chromium-51	28	Days	29/07/2016 04:03:07 PM	29/07/2016 04:03:07 PM	Active
Cobalt-57	207.9	Days	03/11/2013 09:32:26 PM	03/11/2013 09:32:02 AM	Active
Cobalt-60	5.27	Years	03/11/2013 09:32:26 PM	03/11/2013 09:32:02 AM	Active

Figure 3.15.2-1 Radiopharma Element

STEP 1

Click on 'Maintenance' menu, followed by 'Pharmacy' and click on 'Radiopharma Element'

STEP 2

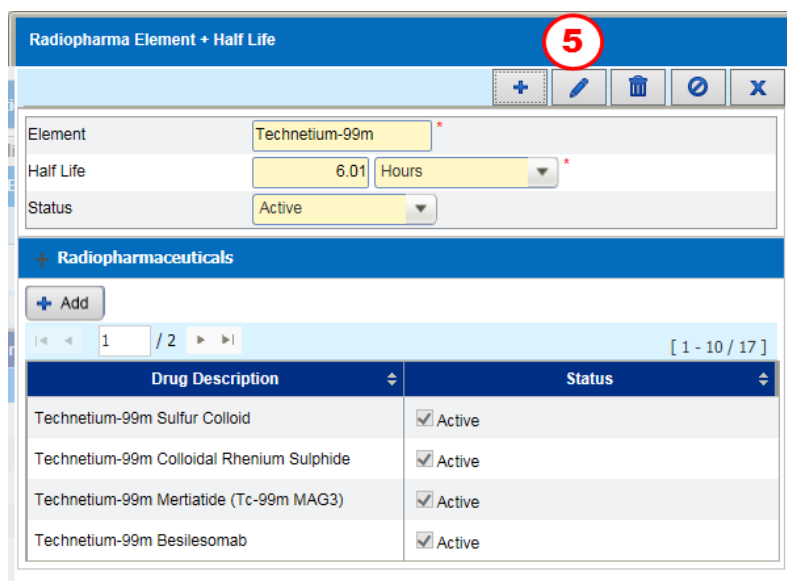
Search existing record by entering *Element*

STEP 3

Click on the button and system will display the related record

STEP 4

Click on the selected record



Radiopharma Element + Half Life

Element: Technetium-99m *

Half Life: 6.01 Hours *

Status: Active

+ Radiopharmaceuticals

+ Add

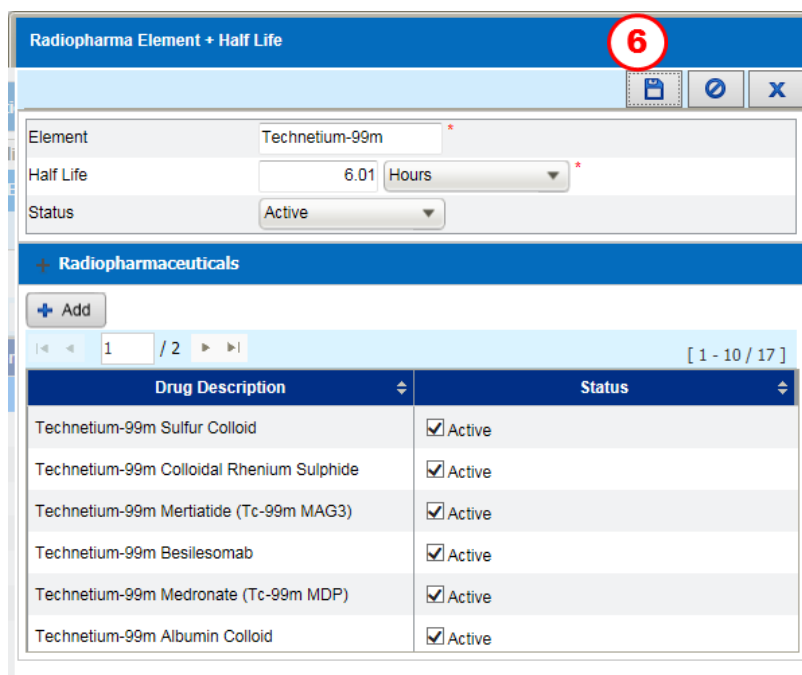
1 / 2 [1 - 10 / 17]

Drug Description	Status
Technetium-99m Sulfur Colloid	☒ Active
Technetium-99m Colloidal Rhenium Sulphide	☒ Active
Technetium-99m Mertiatide (Tc-99m MAG3)	☒ Active
Technetium-99m Besilesomab	☒ Active

Figure 3.15.2-2 Radiopharma Element + Half Life

STEP 5

Click on the  button to edit the record



Radiopharma Element + Half Life

Element: Technetium-99m *

Half Life: 6.01 Hours *

Status: Active

+ Radiopharmaceuticals

+ Add

1 / 2 [1 - 10 / 17]

Drug Description	Status
Technetium-99m Sulfur Colloid	☒ Active
Technetium-99m Colloidal Rhenium Sulphide	☒ Active
Technetium-99m Mertiatide (Tc-99m MAG3)	☒ Active
Technetium-99m Besilesomab	☒ Active
Technetium-99m Medronate (Tc-99m MDP)	☒ Active
Technetium-99m Albumin Colloid	☒ Active

Figure 3.15.2-3 Radiopharma Element + Half Life

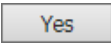
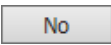
Note

- User is allowing to edit:
 - **Element**
 - **Half Life**
 - **Status**
 - **Radiopharma Drug**

STEP 6

Click on the  button to save the edited record

Note

- System will display a Confirmation Message as Figure 3.15.2-4
- Click on the  button to save the edited record
- Click on the  or  button to cancel the edited record

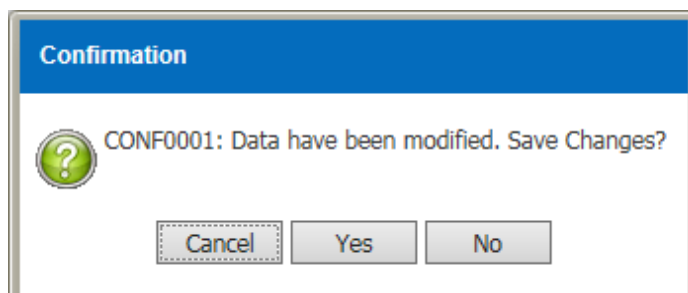
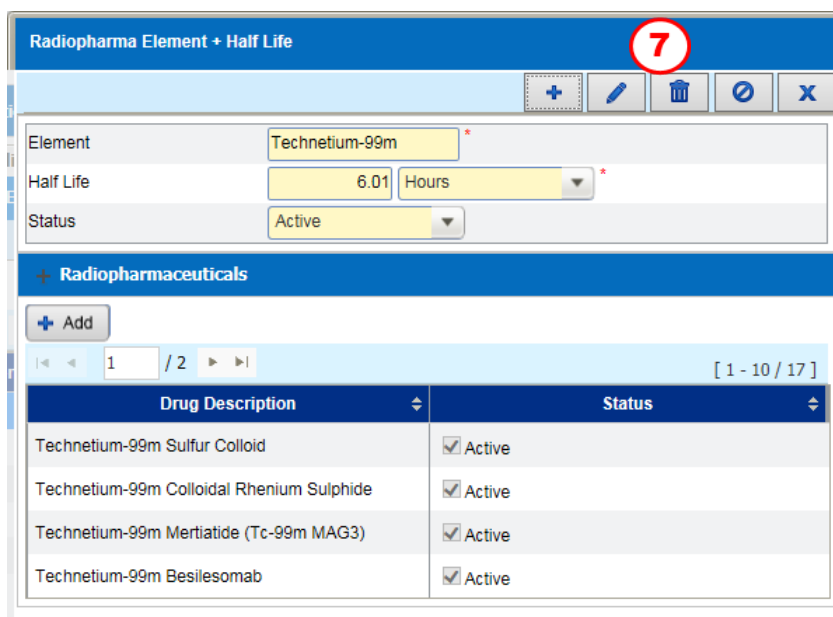


Figure 3.15.2-4 Confirmation Message



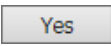
Drug Description	Status
Technetium-99m Sulfur Colloid	☒ Active
Technetium-99m Colloidal Rhenium Sulphide	☒ Active
Technetium-99m Mertiatide (Tc-99m MAG3)	☒ Active
Technetium-99m Besilesomab	☒ Active

Figure 3.15.2-5 Radiopharma Element + Half Life

STEP 7

Click on the  button to delete the record

Note

- System will display a Confirmation Message as Figure 3.15.2-6
- Click on the  button to delete the record

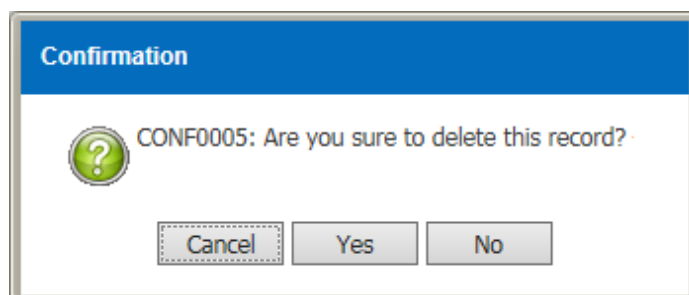


Figure 3.15.2-6 Confirmation Message

- The status of the record will be **Inactive** as figure 3.15.2-7

INTEGRATION WEB PORTAL

Pharmacy Information System & Clinic Pharmacy System Change Password Logout

Home Radiopharma Element

RADIOPHARMA ELEMENT

Element Search

[1 - 10 / 11]

Element	Half Life	Unit	Created Date	Updated Date	Status
Technetium-99m	6.01	Hours	29/07/2016 04:09:01 PM	29/07/2016 04:09:01 PM	Inactive
Rhenium-186	3.71	Days	29/07/2016 04:05:24 PM	29/07/2016 04:05:24 PM	Active
Iodine-131	8.02	Days	29/07/2016 04:05:11 PM	29/07/2016 04:05:11 PM	Active
Gallium-68	1.13	Hours	29/07/2016 04:04:21 PM	29/07/2016 04:04:21 PM	Active
Gallium-67	3.26	Hours	29/07/2016 04:04:08 PM	29/07/2016 04:04:08 PM	Active
Fluorine-18	109.77	Minutes	29/07/2016 04:03:50 PM	29/07/2016 04:03:50 PM	Active
Chromium-51	28	Days	29/07/2016 04:03:07 PM	29/07/2016 04:03:07 PM	Active
Cobalt-57	207.9	Days	03/11/2013 09:32:26 PM	03/11/2013 09:32:02 AM	Active
Cobalt-60	5.27	Years	03/11/2013 09:32:26 PM	03/11/2013 09:32:02 AM	Active
Strontium-89	50.53	Days	03/11/2013 09:32:26 PM	03/11/2013 09:32:02 AM	Active

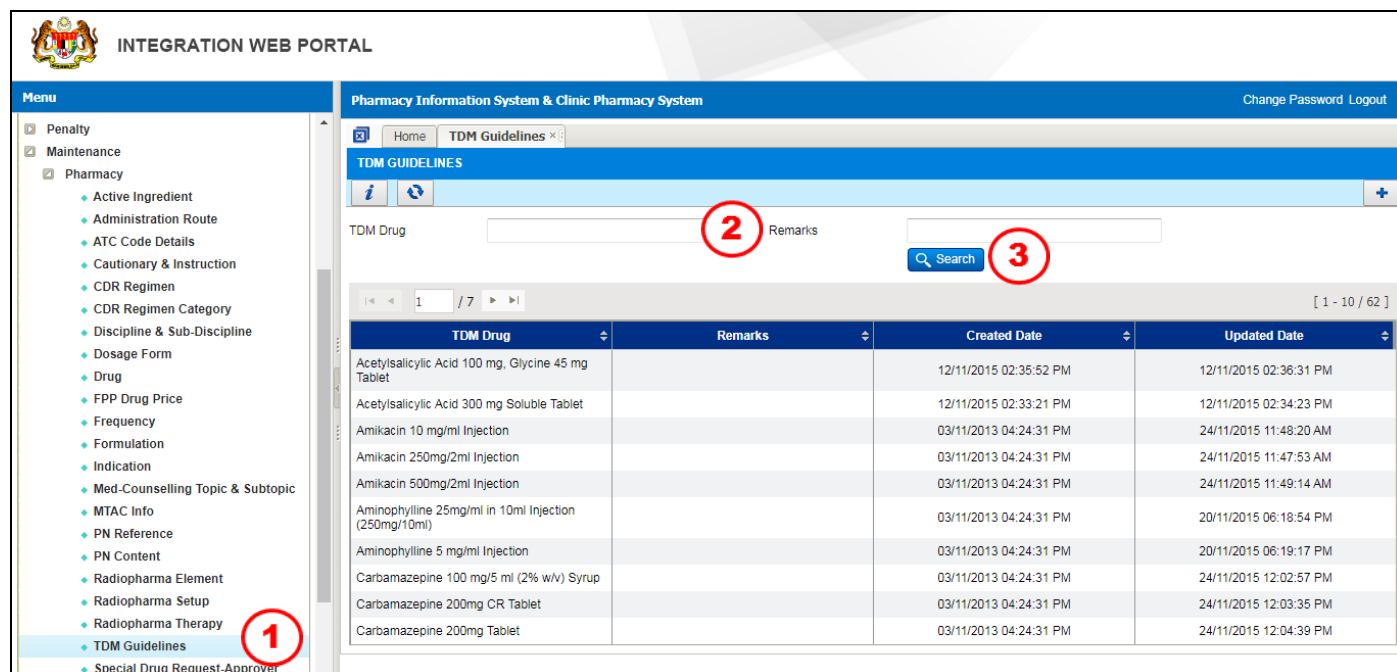
10 Records Found

Figure 3.15.2-7 Radiopharma Element

3.16 TDM Guidelines

3.16.1 Create New TDM Guideline

To create new record for TDM Guideline, perform the steps below:



Menu

- Penalty
- Maintenance
 - Pharmacy
 - Active Ingredient
 - Administration Route
 - ATC Code Details
 - Cautionary & Instruction
 - CDR Regimen
 - CDR Regimen Category
 - Discipline & Sub-Discipline
 - Dosage Form
 - Drug
 - FPP Drug Price
 - Frequency
 - Formulation
 - Indication
 - Med-Counselling Topic & Subtopic
 - MTAC Info
 - PN Reference
 - PN Content
 - Radiopharma Element
 - Radiopharma Setup
 - Radiopharma Therapy
 - TDM Guidelines**
 - Special Drug Request-Approver

Pharmacy Information System & Clinic Pharmacy System Change Password Logout

Home TDM Guidelines

TDM GUIDELINES

TDM Drug Remarks

[1 - 10 / 62]

TDM Drug	Remarks	Created Date	Updated Date
Acetylsalicylic Acid 100 mg, Glycine 45 mg Tablet		12/11/2015 02:35:52 PM	12/11/2015 02:36:31 PM
Acetylsalicylic Acid 300 mg Soluble Tablet		12/11/2015 02:33:21 PM	12/11/2015 02:34:23 PM
Amikacin 10 mg/ml Injection		03/11/2013 04:24:31 PM	24/11/2015 11:48:20 AM
Amikacin 250mg/2ml Injection		03/11/2013 04:24:31 PM	24/11/2015 11:47:53 AM
Amikacin 500mg/2ml Injection		03/11/2013 04:24:31 PM	24/11/2015 11:49:14 AM
Aminophylline 25mg/ml in 10ml Injection (250mg/10ml)		03/11/2013 04:24:31 PM	20/11/2015 06:18:54 PM
Aminophylline 5 mg/ml Injection		03/11/2013 04:24:31 PM	20/11/2015 06:19:17 PM
Carbamazepine 100 mg/5 ml (2% w/v) Syrup		03/11/2013 04:24:31 PM	24/11/2015 12:02:57 PM
Carbamazepine 200mg CR Tablet		03/11/2013 04:24:31 PM	24/11/2015 12:03:35 PM
Carbamazepine 200mg Tablet		03/11/2013 04:24:31 PM	24/11/2015 12:04:39 PM

Figure 3.16.1-1 TDM Guideline

STEP 1

Click on 'Maintenance' menu, followed by 'Pharmacy' and click on 'TDM Guideline'

STEP 2

Search existing record by entering **TDM Drug** and/or **Remarks**

STEP 3

Click on the button and system will display related record

Note

User is allowing to view the information by click on the related record and information will be displayed as Figure 3.16.1-2

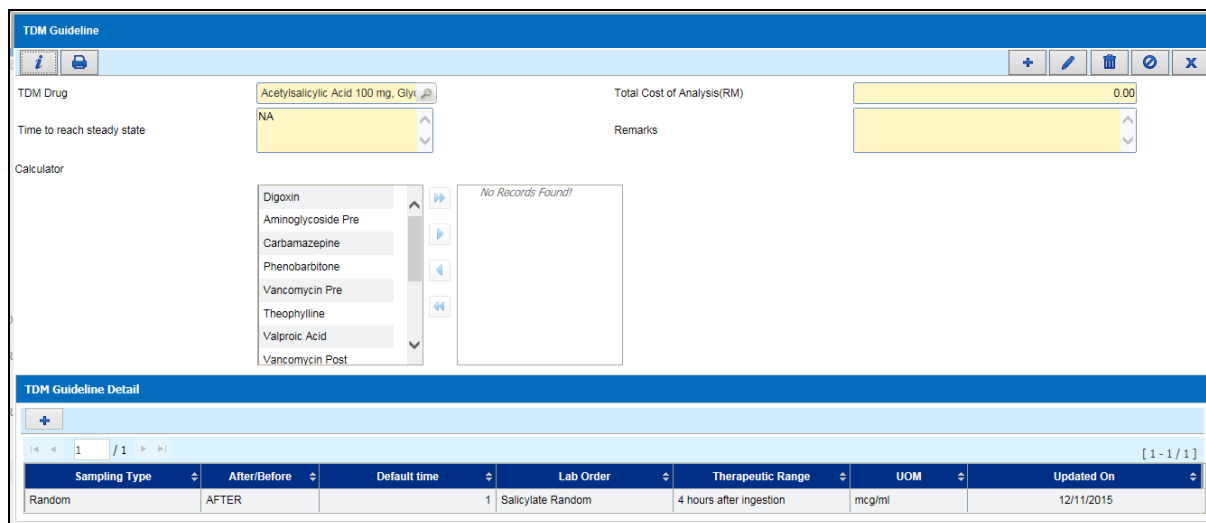
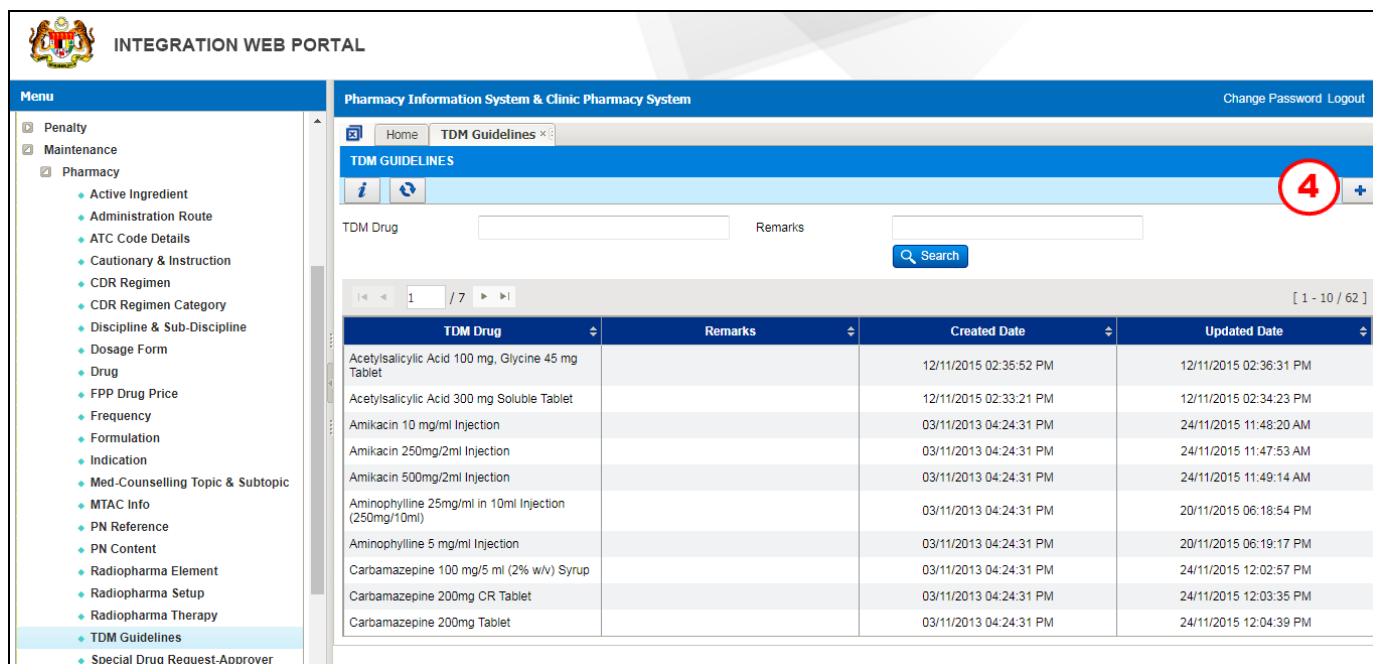


Figure 3.16.1-2 TDM Guideline



TDM Drug	Remarks	Created Date	Updated Date
Acetylsalicylic Acid 100 mg, Glycine 45 mg Tablet		12/11/2015 02:35:52 PM	12/11/2015 02:36:31 PM
Acetylsalicylic Acid 300 mg Soluble Tablet		12/11/2015 02:33:21 PM	12/11/2015 02:34:23 PM
Amikacin 10 mg/ml Injection		03/11/2013 04:24:31 PM	24/11/2015 11:48:20 AM
Amikacin 250mg/2ml Injection		03/11/2013 04:24:31 PM	24/11/2015 11:47:53 AM
Amikacin 500mg/2ml Injection		03/11/2013 04:24:31 PM	24/11/2015 11:49:14 AM
Aminophylline 25mg/ml in 10ml Injection (250mg/10ml)		03/11/2013 04:24:31 PM	20/11/2015 06:18:54 PM
Aminophylline 5 mg/ml Injection		03/11/2013 04:24:31 PM	20/11/2015 06:19:17 PM
Carbamazepine 100 mg/5 ml (2% w/v) Syrup		03/11/2013 04:24:31 PM	24/11/2015 12:02:57 PM
Carbamazepine 200mg CR Tablet		03/11/2013 04:24:31 PM	24/11/2015 12:03:35 PM
Carbamazepine 200mg Tablet		03/11/2013 04:24:31 PM	24/11/2015 12:04:39 PM

Figure 3.16.1-3 TDM Guideline

STEP 4

Click on the  button to create a new record and TDM Guideline screen will be displayed as Figure 3.16.1-4

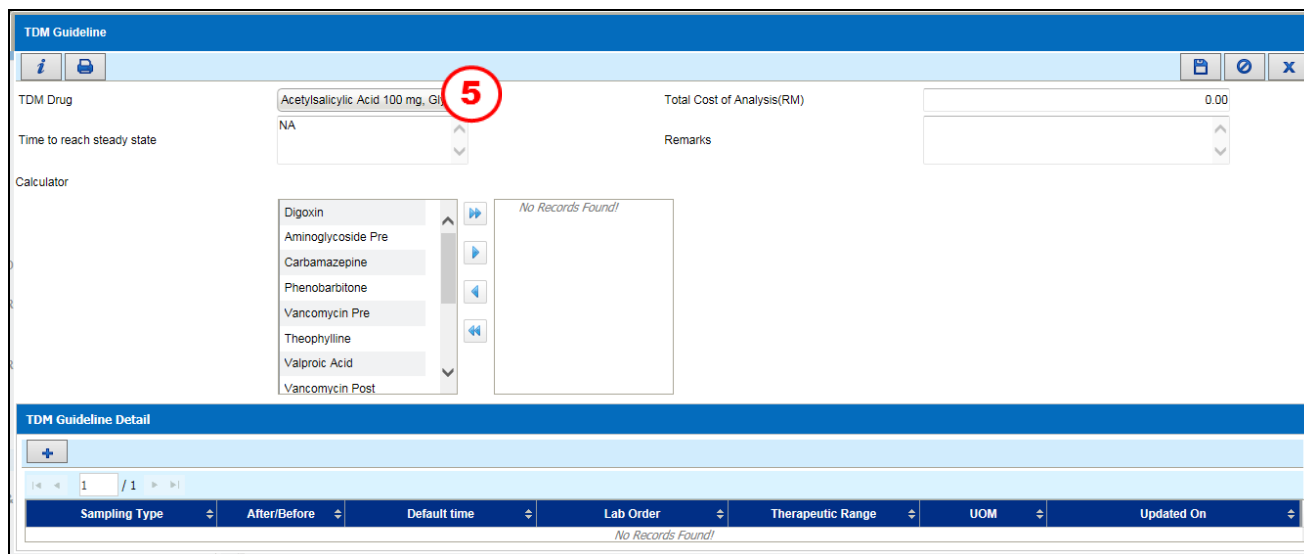
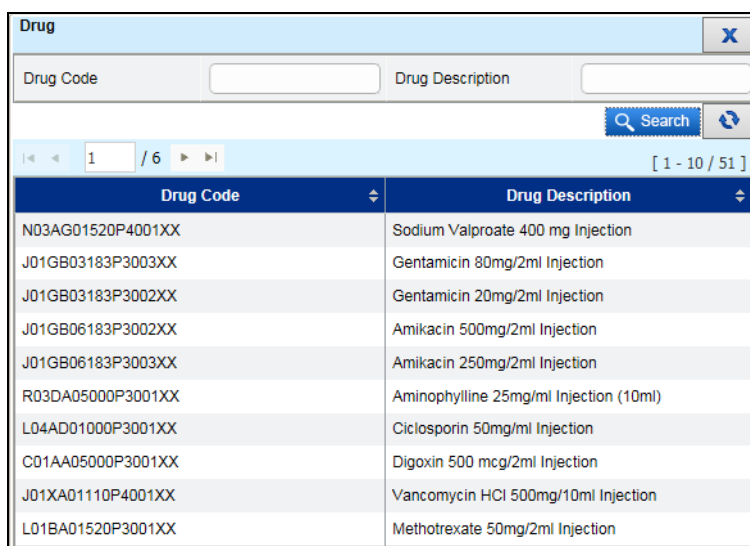


Figure 3.16.1-4 TDM Guideline

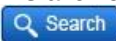
STEP 5

Click on **TDM Drug**  Drug window will be displayed as Figure 3.16.1-5



Drug Code	Drug Description
N03AG01520P4001XX	Sodium Valproate 400 mg Injection
J01GB03183P3003XX	Gentamicin 80mg/2ml Injection
J01GB03183P3002XX	Gentamicin 20mg/2ml Injection
J01GB06183P3002XX	Amikacin 500mg/2ml Injection
J01GB06183P3003XX	Amikacin 250mg/2ml Injection
R03DA05000P3001XX	Aminophylline 25mg/ml Injection (10ml)
L04AD01000P3001XX	Ciclosporin 50mg/ml Injection
C01AA05000P3001XX	Digoxin 500 mcg/2ml Injection
J01XA01110P4001XX	Vancomycin HCl 500mg/10ml Injection
L01BA01520P3001XX	Methotrexate 50mg/2ml Injection

Figure 3.16.1-5 Drug

- User is allowed to enter partially or fully searching criteria for **Drug Code** and **Drug Description**. Then click on the  button
- Double click on the selected **Drug Code**

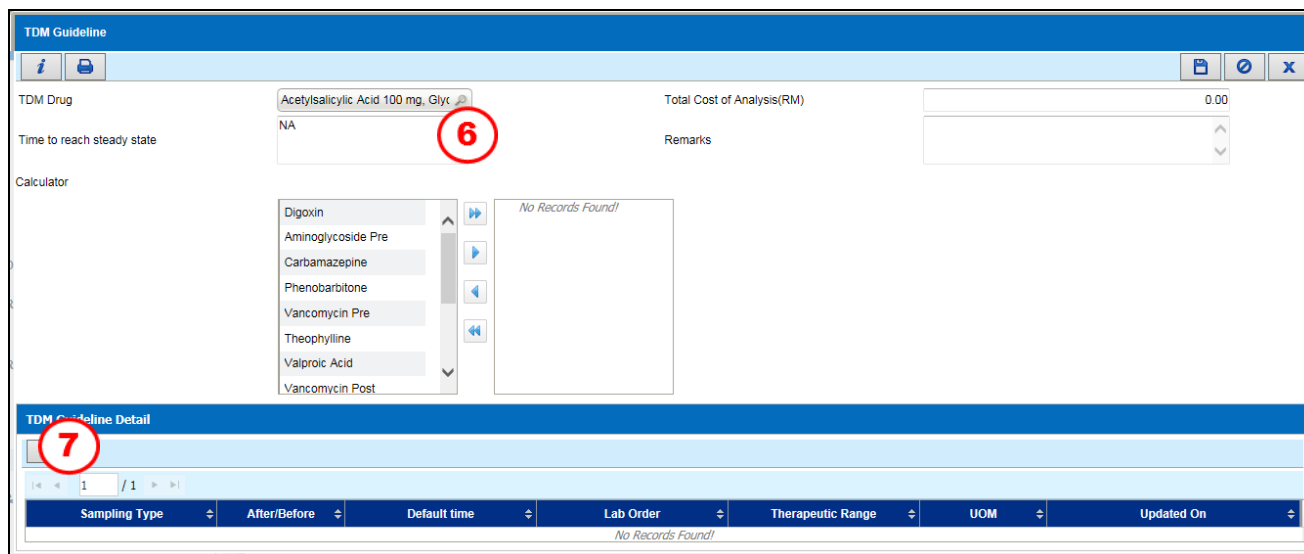


Figure 3.16.1-6 TDM Guideline

STEP 6

Enter **Time to reach steady state**

Note

- **Total Cost of Analysis(RM)** and **Remarks** is an optional field

STEP 7

Click on the  button and TDM Guideline Detail screen will be displayed as Figure 3.16.1-7

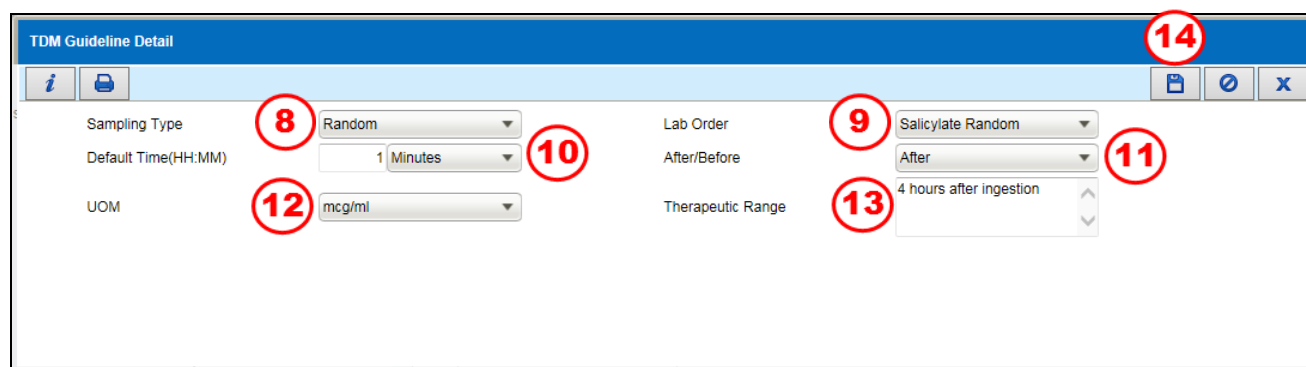


Figure 3.16.1-7 TDM Guideline Detail

STEP 8

Select **Sampling Type** from drop down box:

- POST 1
- POST 2
- Post
- Pre
- Random

STEP 9

Select **Lab Order**

STEP 10

Enter **Default Time (HH:MM)**

STEP 11

Select **After/Before** from drop down box:

- a) Before
- b) After

STEP 12

Select **UOM** from drop down box:

- a) mcg/ml
- b) mg/dL
- c) mmol/L
- d) ng/ml

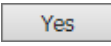
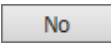
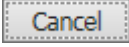
STEP 13

Enter **Therapeutic Range**

STEP 14

Click on the  button to save the record

Note

- System will display a Confirmation Message as Figure 3.16.1-8
- Click on the  button to save the record
- Click on the  or  button to cancel the saved record

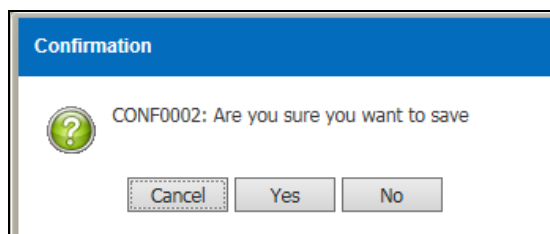
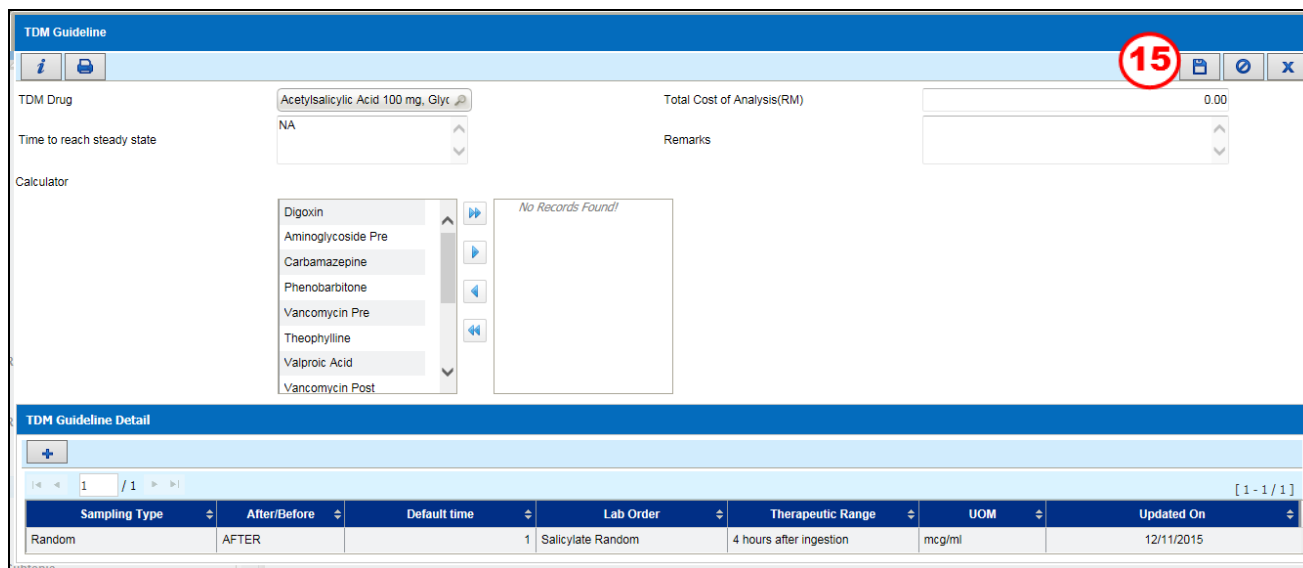


Figure 3.16.1-8 Confirmation Message



Sampling Type	After/Before	Default time	Lab Order	Therapeutic Range	UOM	Updated On
Random	AFTER	1	Salicylate Random	4 hours after ingestion	mcg/ml	12/11/2015

Figure 3.16.1-9 TDM Guideline

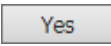
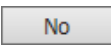
Note

Repeat **STEP 7** to **STEP 14** if there is more than 1 Sampling Type for the particular TDM Drug

STEP 15

Click on the  button to save the record

Note

- System will display a Confirmation Message as Figure 3.16.1-10
- Click on the  button to save the record
- Click on the  or  button to cancel the saved record

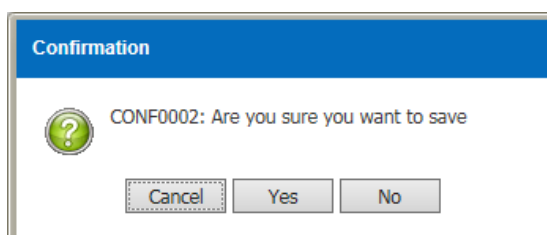
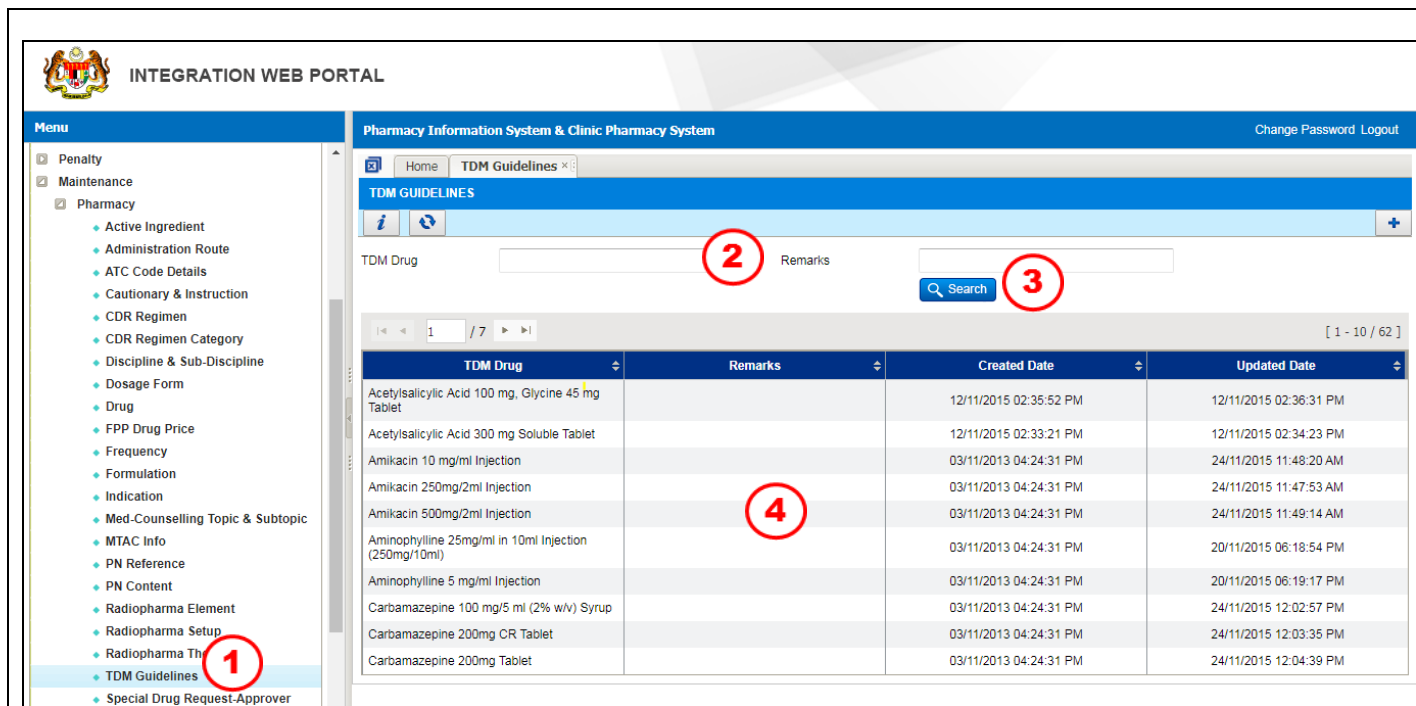


Figure 3.16.1-10 Confirmation Message

3.16.2 Modify TDM Guideline

To modify record for TDM Guideline, perform the steps below:



Integration Web Portal

Menu

- Penalty
- Maintenance
 - Pharmacy
 - Active Ingredient
 - Administration Route
 - ATC Code Details
 - Cautionary & Instruction
 - CDR Regimen
 - CDR Regimen Category
 - Discipline & Sub-Discipline
 - Dosage Form
 - Drug
 - FPP Drug Price
 - Frequency
 - Formulation
 - Indication
 - Med-Counselling Topic & Subtopic
 - MTAC Info
 - PN Reference
 - PN Content
 - Radiopharma Element
 - Radiopharma Setup
 - Radiopharma Th
 - TDM Guidelines**
 - Special Drug Request-Approver

Pharmacy Information System & Clinic Pharmacy System Change Password Logout

TDM GUIDELINES

TDM Drug Remarks Search

[1 - 10 / 62]

TDM Drug	Remarks	Created Date	Updated Date
Acetylsalicylic Acid 100 mg, Glycine 45 mg Tablet		12/11/2015 02:35:52 PM	12/11/2015 02:36:31 PM
Acetylsalicylic Acid 300 mg Soluble Tablet		12/11/2015 02:33:21 PM	12/11/2015 02:34:23 PM
Amikacin 10 mg/ml Injection		03/11/2013 04:24:31 PM	24/11/2015 11:48:20 AM
Amikacin 250mg/2ml Injection		03/11/2013 04:24:31 PM	24/11/2015 11:47:53 AM
Amikacin 500mg/2ml Injection		03/11/2013 04:24:31 PM	24/11/2015 11:49:14 AM
Aminophylline 25mg/ml in 10ml Injection (250mg/10ml)		03/11/2013 04:24:31 PM	20/11/2015 06:18:54 PM
Aminophylline 5 mg/ml Injection		03/11/2013 04:24:31 PM	20/11/2015 06:19:17 PM
Carbamazepine 100 mg/5 ml (2% w/v) Syrup		03/11/2013 04:24:31 PM	24/11/2015 12:02:57 PM
Carbamazepine 200mg CR Tablet		03/11/2013 04:24:31 PM	24/11/2015 12:03:35 PM
Carbamazepine 200mg Tablet		03/11/2013 04:24:31 PM	24/11/2015 12:04:39 PM

Figure 3.16.2-1 TDM Guideline

STEP 1

Click on 'Maintenance' menu, followed by 'Pharmacy' and click on 'TDM Guideline'

STEP 2

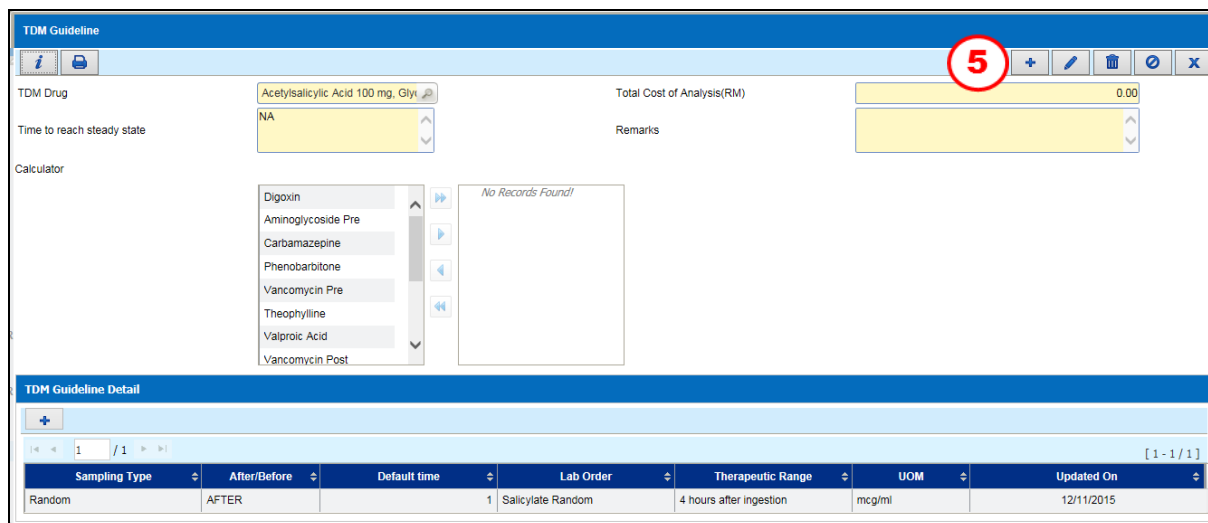
Search existing record by entering **TDM Drug** and/or **Remarks**

STEP 3

Click on the Search button and system will display related record

STEP 4

Click on the selected record



TDM Guideline

TDM Drug: Acetylsalicylic Acid 100 mg, Glyc
Time to reach steady state: NA
Total Cost of Analysis(RM): 0.00
Remarks:

Calculator:

- Digoxin
- Aminoglycoside Pre
- Carbamazepine
- Phenobarbitone
- Vancomycin Pre
- Theophylline
- Valproic Acid
- Vancomycin Post

No Records Found!

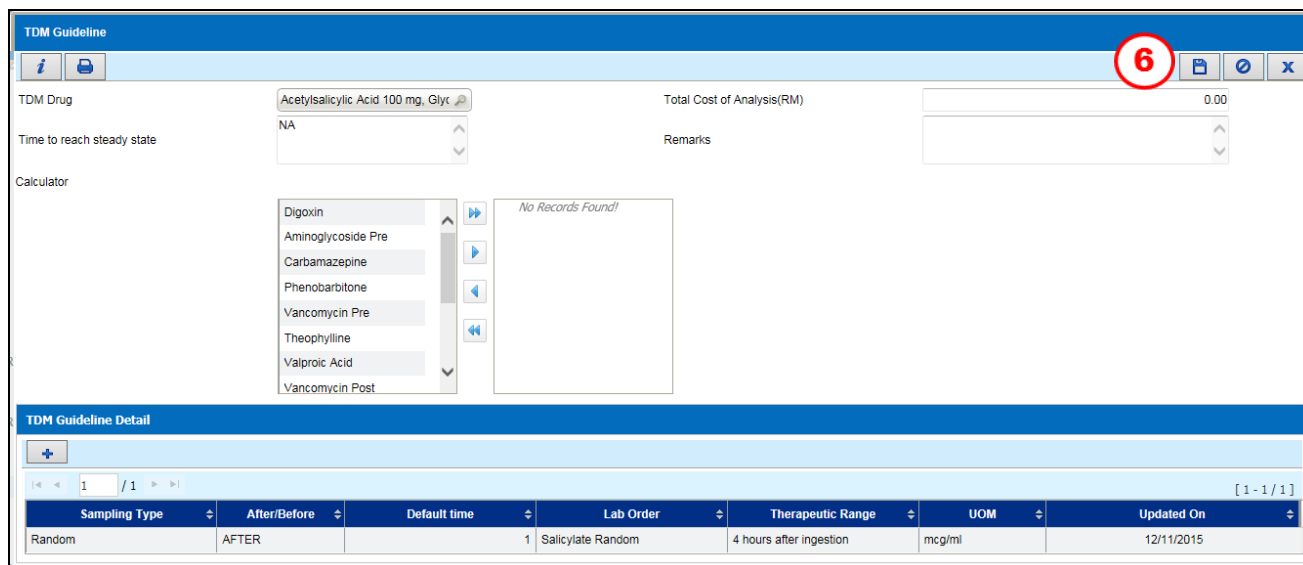
TDM Guideline Detail

Sampling Type	After/Before	Default time	Lab Order	Therapeutic Range	UOM	Updated On
Random	AFTER	1	Salicylate Random	4 hours after ingestion	mcg/ml	12/11/2015

Figure 3.16.2-2 TDM Guideline

STEP 5

Click on the  button to edit the record



TDM Guideline

TDM Drug: Acetylsalicylic Acid 100 mg, Glyc
Time to reach steady state: NA
Total Cost of Analysis(RM): 0.00
Remarks:

Calculator:

- Digoxin
- Aminoglycoside Pre
- Carbamazepine
- Phenobarbitone
- Vancomycin Pre
- Theophylline
- Valproic Acid
- Vancomycin Post

No Records Found!

TDM Guideline Detail

Sampling Type	After/Before	Default time	Lab Order	Therapeutic Range	UOM	Updated On
Random	AFTER	1	Salicylate Random	4 hours after ingestion	mcg/ml	12/11/2015

Figure 3.16.2-3 TDM Guideline

Note

User is allowing to edit:

- **TDM Drug**
- **Time to reach steady state**
- **Total Cost of Analysis(RM)**
- **TDM Guideline Detail**

STEP 6

Click on the  button to save the edited record

Note

- System will display a Confirmation Message as Figure 3.16.2-4

- Click on the button to save the edited record
- Click on the or button to cancel the edited record

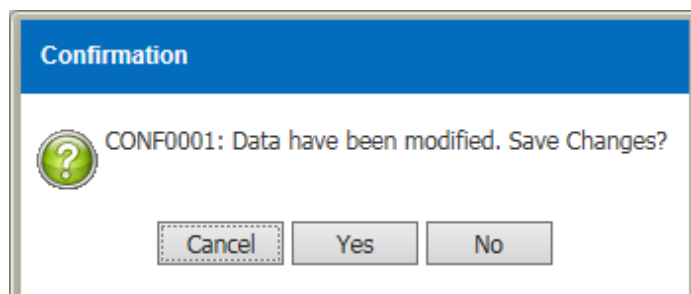
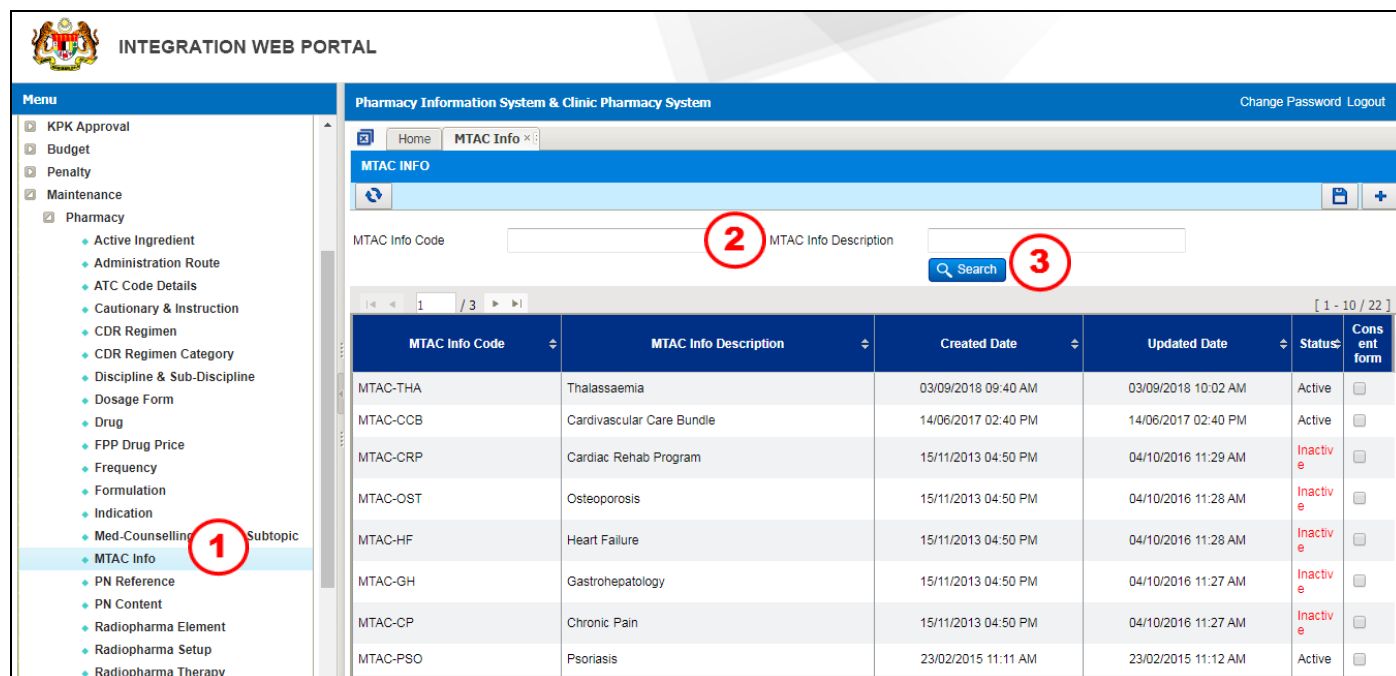


Figure 3.16.2-4 Confirmation Message

3.17 MTAC Info

3.17.1 Create new MTAC Info

To create new record for MTAC Info, perform the steps below:



MTAC Info Code	MTAC Info Description	Created Date	Updated Date	Status	Consent form
MTAC-THA	Thalassaemia	03/09/2018 09:40 AM	03/09/2018 10:02 AM	Active	☐
MTAC-CCB	Cardiovascular Care Bundle	14/06/2017 02:40 PM	14/06/2017 02:40 PM	Active	☐
MTAC-CRP	Cardiac Rehab Program	15/11/2013 04:50 PM	04/10/2016 11:29 AM	Inactive	☐
MTAC-OST	Osteoporosis	15/11/2013 04:50 PM	04/10/2016 11:28 AM	Inactive	☐
MTAC-HF	Heart Failure	15/11/2013 04:50 PM	04/10/2016 11:28 AM	Inactive	☐
MTAC-GH	Gastrohepatology	15/11/2013 04:50 PM	04/10/2016 11:27 AM	Inactive	☐
MTAC-CP	Chronic Pain	15/11/2013 04:50 PM	04/10/2016 11:27 AM	Inactive	☐
MTAC-PSO	Psoriasis	23/02/2015 11:11 AM	23/02/2015 11:12 AM	Active	☐

Figure 3.17.1-1 MTAC Info

STEP 1

Click on 'Maintenance' menu, followed by 'Pharmacy' and click on 'Therapy Linked Radiopharma'

STEP 2

Search existing record by entering **MTAC Info Code** and/or **MTAC Info Description**

STEP 3

Click on the  button and system will display related record

Note

User is allowing to view the information by click on the related record and information will be displayed as Figure 3.17.1-2

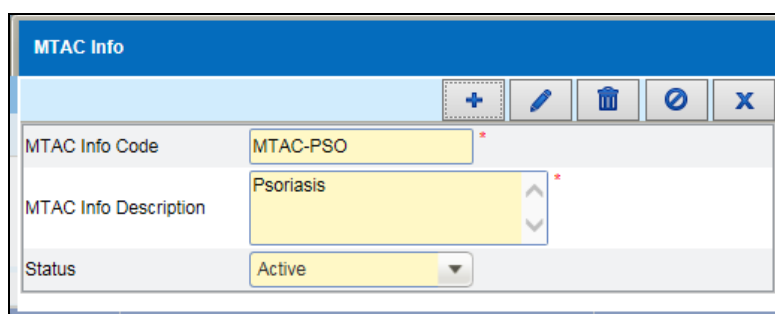
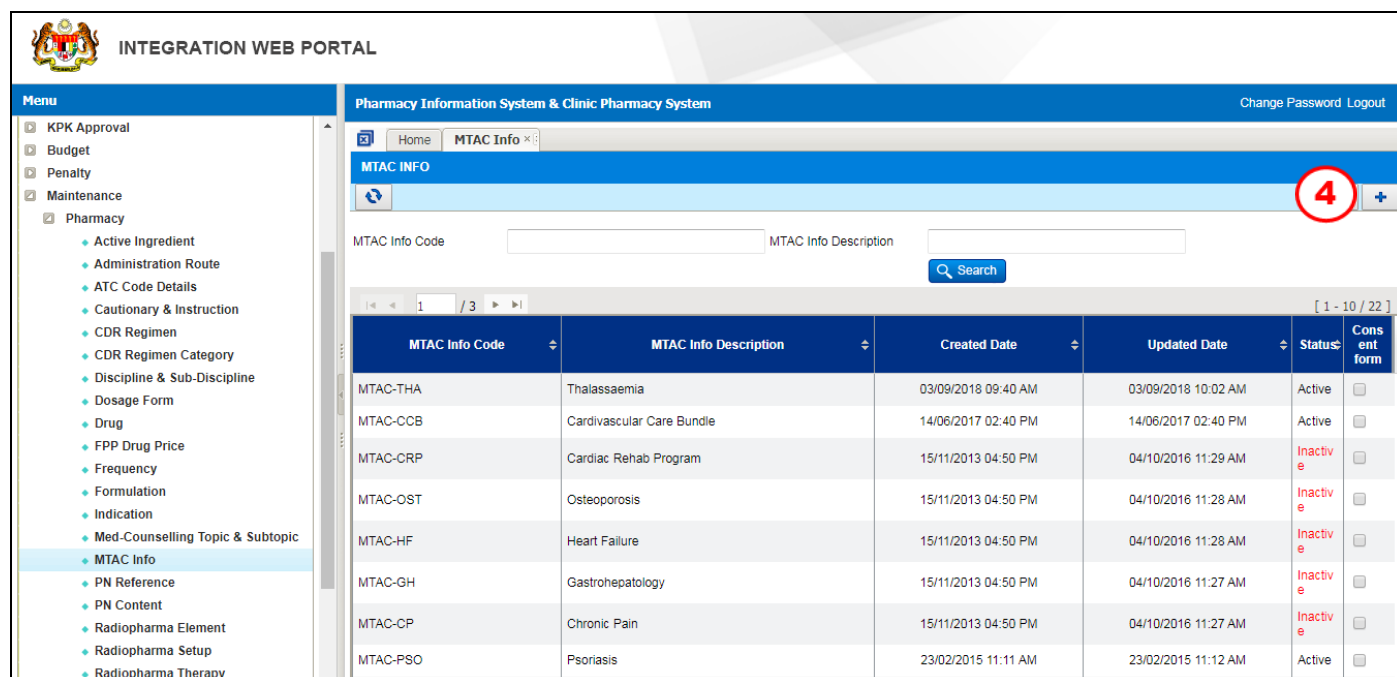


Figure 3.17.1-2 MTAC Info

Note

Click on the  button to close the screen



Menu

- KPK Approval
- Budget
- Penalty
- Maintenance
- Pharmacy
 - Active Ingredient
 - Administration Route
 - ATC Code Details
 - Cautionary & Instruction
 - CDR Regimen
 - CDR Regimen Category
 - Discipline & Sub-Discipline
 - Dosage Form
 - Drug
 - FPP Drug Price
 - Frequency
 - Formulation
 - Indication
 - Med-Counselling Topic & Subtopic
 - MTAC Info**
 - PN Reference
 - PN Content
 - Radiopharma Element
 - Radiopharma Setup
 - Radiopharma Therapy

Pharmacy Information System & Clinic Pharmacy System Change Password Logout

MTAC INFO 4 +

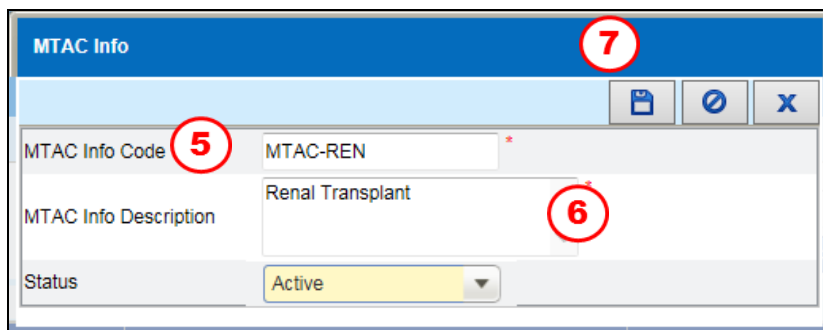
MTAC Info Code MTAC Info Description Search

MTAC Info Code	MTAC Info Description	Created Date	Updated Date	Status	Consent form
MTAC-THA	Thalassaemia	03/09/2018 09:40 AM	03/09/2018 10:02 AM	Active	☐
MTAC-CCB	Cardiovascular Care Bundle	14/06/2017 02:40 PM	14/06/2017 02:40 PM	Active	☐
MTAC-CRP	Cardiac Rehab Program	15/11/2013 04:50 PM	04/10/2016 11:29 AM	Inactive	☐
MTAC-OST	Osteoporosis	15/11/2013 04:50 PM	04/10/2016 11:28 AM	Inactive	☐
MTAC-HF	Heart Failure	15/11/2013 04:50 PM	04/10/2016 11:28 AM	Inactive	☐
MTAC-GH	Gastrohepatology	15/11/2013 04:50 PM	04/10/2016 11:27 AM	Inactive	☐
MTAC-CP	Chronic Pain	15/11/2013 04:50 PM	04/10/2016 11:27 AM	Inactive	☐
MTAC-PSO	Psoriasis	23/02/2015 11:11 AM	23/02/2015 11:12 AM	Active	☐

Figure 3.17.1-3 MTAC Info

STEP 4

Click on the  button to create a new record and MTAC Info screen will be displayed as Figure 3.17.1-4



MTAC Info 7 +

MTAC Info Code 5

MTAC Info Description 6

Status 7

Figure 3.17.1-4 MTAC Info

STEP 5

Enter **MTAC Info Code**

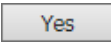
STEP 6

Enter **MTAC Info Description**

STEP 7

Click on the  button to save the record

Note

- System will display a Confirmation Message as Figure 3.17.1-5
- Click on the  button to save the record

- Click on the or button to cancel the saved record

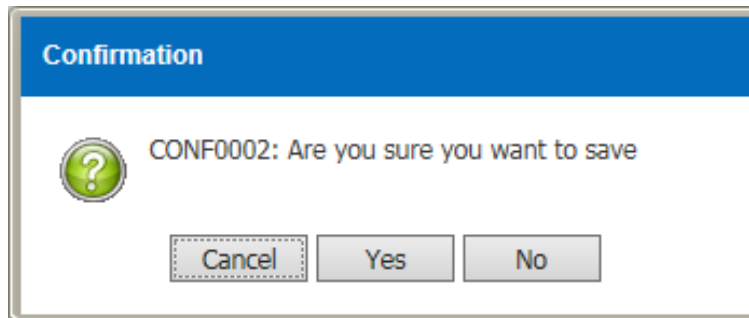
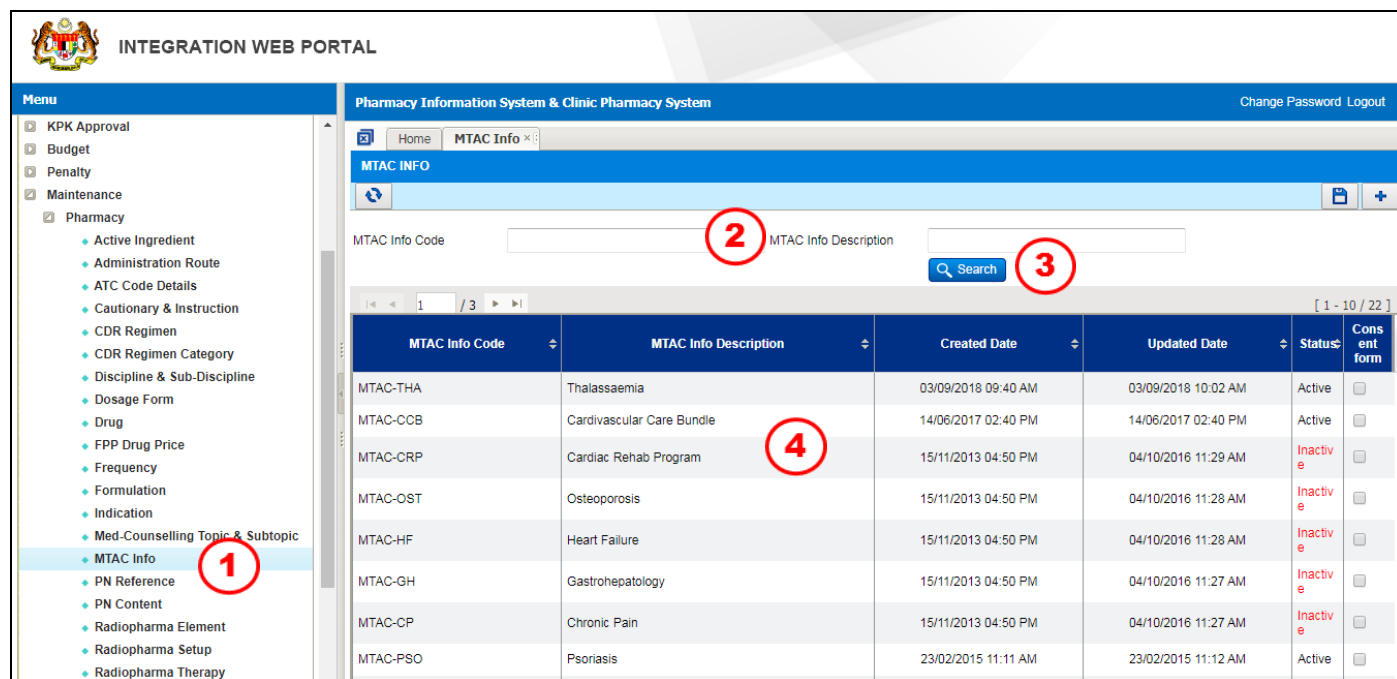


Figure 3.17.1-5 Confirmation Message

3.17.2 Modify MTAC Info

To modify record for MTAC Info, perform the steps below:



MTAC Info Code	MTAC Info Description	Created Date	Updated Date	Status	Consent form
MTAC-THA	Thalassaemia	03/09/2018 09:40 AM	03/09/2018 10:02 AM	Active	☐
MTAC-CCB	Cardiovascular Care Bundle	14/06/2017 02:40 PM	14/06/2017 02:40 PM	Active	☐
MTAC-CRP	Cardiac Rehab Program	15/11/2013 04:50 PM	04/10/2016 11:29 AM	Inactive	☐
MTAC-OST	Osteoporosis	15/11/2013 04:50 PM	04/10/2016 11:28 AM	Inactive	☐
MTAC-HF	Heart Failure	15/11/2013 04:50 PM	04/10/2016 11:28 AM	Inactive	☐
MTAC-GH	Gastrohepatology	15/11/2013 04:50 PM	04/10/2016 11:27 AM	Inactive	☐
MTAC-CP	Chronic Pain	15/11/2013 04:50 PM	04/10/2016 11:27 AM	Inactive	☐
MTAC-PSO	Psoriasis	23/02/2015 11:11 AM	23/02/2015 11:12 AM	Active	☐

Figure 3.17.2-1 MTAC Info

STEP 1

Click on 'Maintenance' menu, followed by 'Pharmacy' and click on 'Therapy Linked Radiopharma'

STEP 2

Search existing record by entering **MTAC Info Code** and/or **MTAC Info Description**

STEP 3

Click on the  button and system will display related record

STEP 4

Click on the selected record

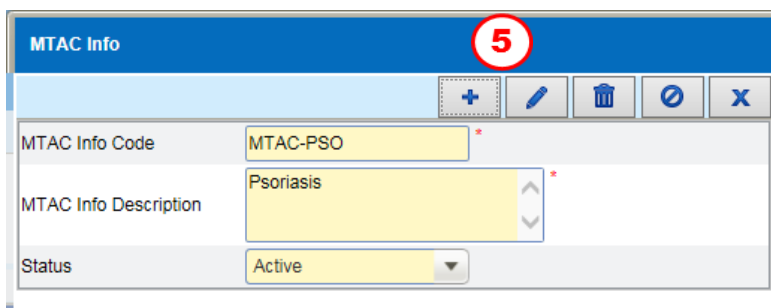


Figure 3.17.2-2 MTAC Info

STEP 5

Click on the  button to edit the record

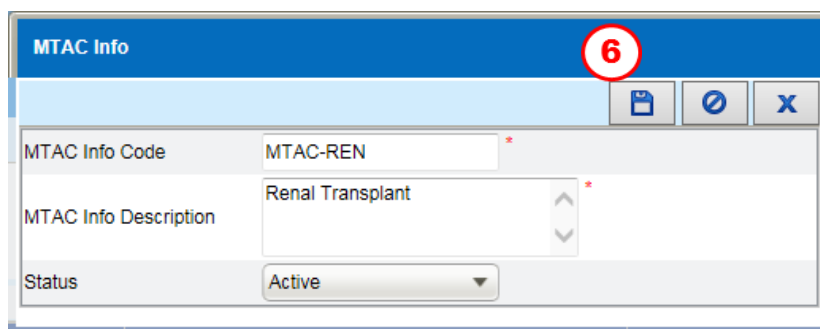


Figure 3.17.2-3 MTAC Info

Note

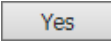
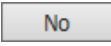
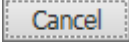
User is allowing to edit:

- **MTAC Info Code**
- **MTAC Info Description**
- **Status**

STEP 6

Click on the  button to save the edited record

Note

- System will display a Confirmation Message as Figure 3.17.2-4
- Click on the  button to save the edited record
- Click on the  or  button to cancel the edited record

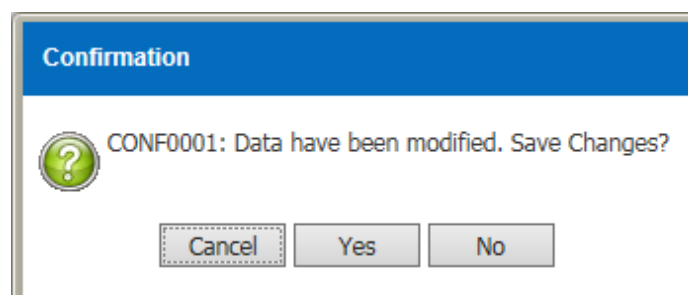


Figure 3.17.2-4 Confirmation Message

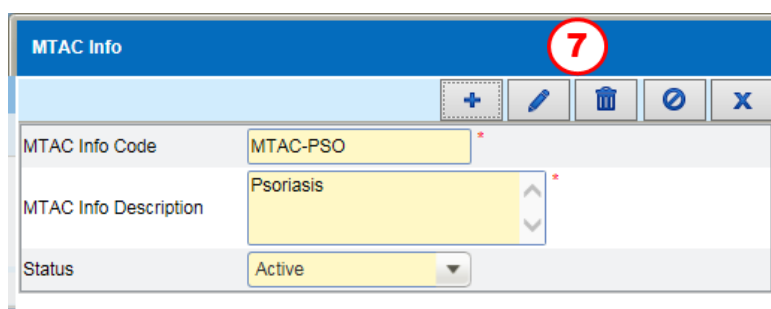


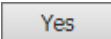
Figure 3.17.2-5 MTAC Info

STEP 7

Click on the  button to delete the record

Note

- System will display a Confirmation Message as Figure 3.17.2-6

- Click on the  button to delete the record

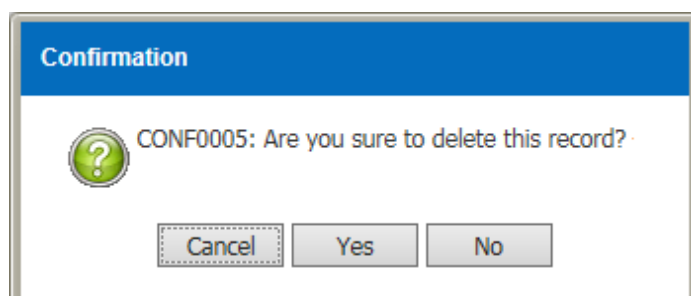
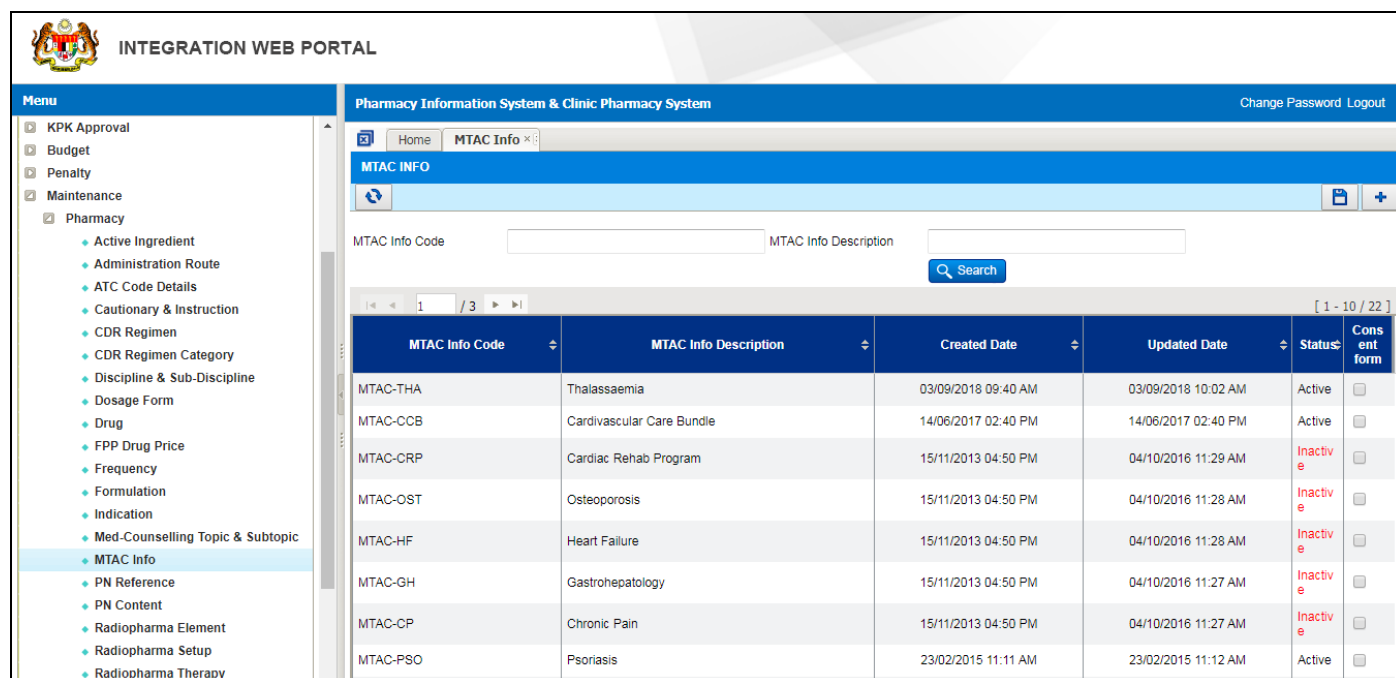


Figure 3.17.2-6 Confirmation Message

- The status of the record will be **Inactive** as figure 3.17.2-7



The screenshot shows the "INTEGRATION WEB PORTAL" interface. On the left is a "Menu" sidebar with various options, including "Maintenance" and "Pharmacy". The main content area is titled "Pharmacy Information System & Clinic Pharmacy System" and shows the "MTAC INFO" section. It includes a search bar and a table of MTAC records.

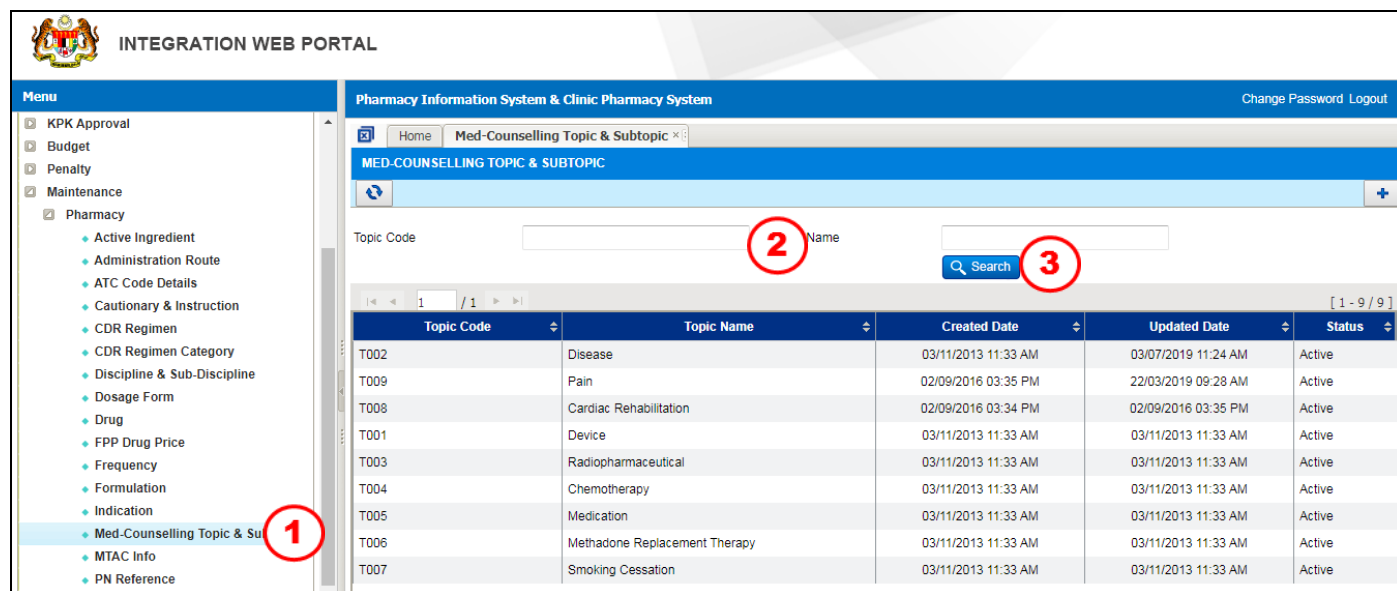
MTAC Info Code	MTAC Info Description	Created Date	Updated Date	Status	Consent form
MTAC-THA	Thalassaemia	03/09/2018 09:40 AM	03/09/2018 10:02 AM	Active	☐
MTAC-CCB	Cardiovascular Care Bundle	14/06/2017 02:40 PM	14/06/2017 02:40 PM	Active	☐
MTAC-CRP	Cardiac Rehab Program	15/11/2013 04:50 PM	04/10/2016 11:29 AM	Inactive	☐
MTAC-OST	Osteoporosis	15/11/2013 04:50 PM	04/10/2016 11:28 AM	Inactive	☐
MTAC-HF	Heart Failure	15/11/2013 04:50 PM	04/10/2016 11:28 AM	Inactive	☐
MTAC-GH	Gastrohepatology	15/11/2013 04:50 PM	04/10/2016 11:27 AM	Inactive	☐
MTAC-CP	Chronic Pain	15/11/2013 04:50 PM	04/10/2016 11:27 AM	Inactive	☐
MTAC-PSO	Psoriasis	23/02/2015 11:11 AM	23/02/2015 11:12 AM	Active	☐

Figure 3.17.2-7 MTAC Info

3.18 Med-Counselling Topic & Subtopic

3.18.1 Create New Med-Counselling Topic & Subtopic

To create new record for Med-Counselling Topic & Subtopic, perform the steps below:



Integration Web Portal

Menu

- KPK Approval
- Budget
- Penalty
- Maintenance
 - Pharmacy
 - Active Ingredient
 - Administration Route
 - ATC Code Details
 - Cautionary & Instruction
 - CDR Regimen
 - CDR Regimen Category
 - Discipline & Sub-Discipline
 - Dosage Form
 - Drug
 - FPP Drug Price
 - Frequency
 - Formulation
 - Indication
 - Med-Counselling Topic & Subtopic**
 - MTAC Info
 - PN Reference

Pharmacy Information System & Clinic Pharmacy System

Change Password Logout

Home Med-Counselling Topic & Subtopic

MED-COUNSELLING TOPIC & SUBTOPIC

Topic Code Topic Name

Topic Code	Topic Name	Created Date	Updated Date	Status
T002	Disease	03/11/2013 11:33 AM	03/07/2019 11:24 AM	Active
T009	Pain	02/09/2016 03:35 PM	22/03/2019 09:28 AM	Active
T008	Cardiac Rehabilitation	02/09/2016 03:34 PM	02/09/2016 03:35 PM	Active
T001	Device	03/11/2013 11:33 AM	03/11/2013 11:33 AM	Active
T003	Radiopharmaceutical	03/11/2013 11:33 AM	03/11/2013 11:33 AM	Active
T004	Chemotherapy	03/11/2013 11:33 AM	03/11/2013 11:33 AM	Active
T005	Medication	03/11/2013 11:33 AM	03/11/2013 11:33 AM	Active
T006	Methadone Replacement Therapy	03/11/2013 11:33 AM	03/11/2013 11:33 AM	Active
T007	Smoking Cessation	03/11/2013 11:33 AM	03/11/2013 11:33 AM	Active

Figure 3.18.1-1 Med-Counselling Topic & Subtopic

STEP 1

Click on 'Maintenance' menu, followed by 'Pharmacy' and click on 'Med-Counselling Topic & Subtopic'

STEP 2

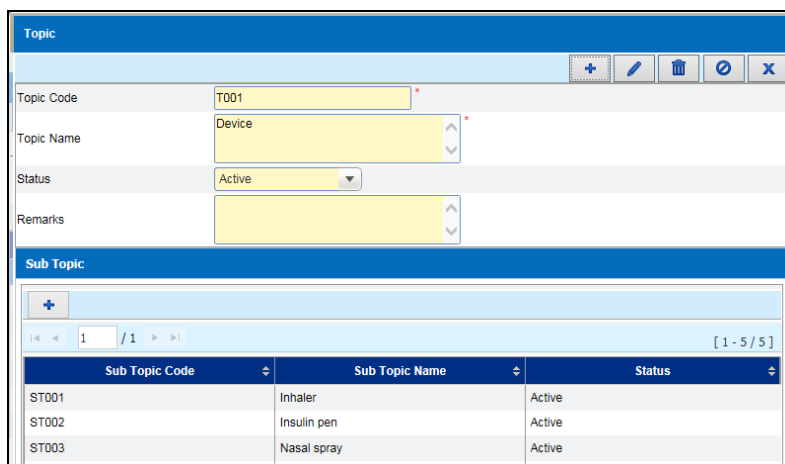
Search existing record by entering **Topic Code** and/or **Topic Name**

STEP 3

Click on the button and system will display related record

Note

User is allowing to view the information by click on the related record and information will be displayed as Figure 3.18.1-2



Topic

Topic Code

Topic Name

Status

Remarks

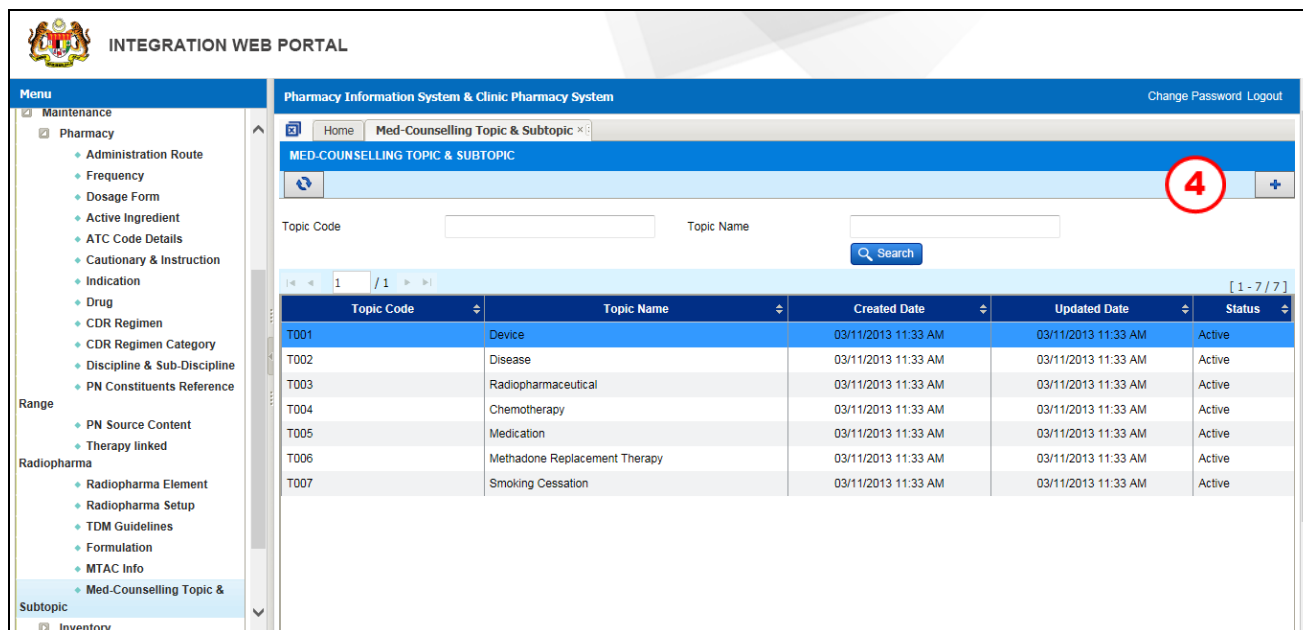
Sub Topic

Sub Topic Code	Sub Topic Name	Status
ST001	Inhaler	Active
ST002	Insulin pen	Active
ST003	Nasal spray	Active

Figure 3.18.1-2 Topic

Note

Click on the  button to close the screen



Integration Web Portal

Menu

- Maintenance
 - Pharmacy
 - Administration Route
 - Frequency
 - Dosage Form
 - Active Ingredient
 - ATC Code Details
 - Cautionary & Instruction
 - Indication
 - Drug
 - CDR Regimen
 - CDR Regimen Category
 - Discipline & Sub-Discipline
 - PN Constituents Reference
 - Range
 - PN Source Content
 - Therapy linked
 - Radiopharma
 - Radiopharma Element
 - Radiopharma Setup
 - TDM Guidelines
 - Formulation
 - MTAC Info
 - Subtopic
 - Med-Counselling Topic & Subtopic
- Inventory

Pharmacy Information System & Clinic Pharmacy System

Change Password Logout

Home Med-Counselling Topic & Subtopic

MED-COUNSELLING TOPIC & SUBTOPIC

Topic Code Topic Name 

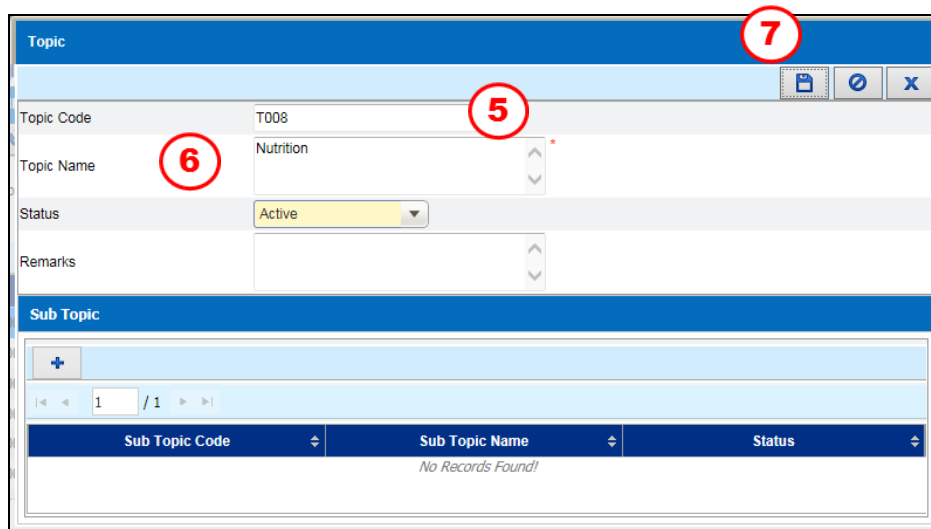
1 / 1

Topic Code	Topic Name	Created Date	Updated Date	Status
T001	Device	03/11/2013 11:33 AM	03/11/2013 11:33 AM	Active
T002	Disease	03/11/2013 11:33 AM	03/11/2013 11:33 AM	Active
T003	Radiopharmaceutical	03/11/2013 11:33 AM	03/11/2013 11:33 AM	Active
T004	Chemotherapy	03/11/2013 11:33 AM	03/11/2013 11:33 AM	Active
T005	Medication	03/11/2013 11:33 AM	03/11/2013 11:33 AM	Active
T006	Methadone Replacement Therapy	03/11/2013 11:33 AM	03/11/2013 11:33 AM	Active
T007	Smoking Cessation	03/11/2013 11:33 AM	03/11/2013 11:33 AM	Active

Figure 3.18.1-3 Med-Counselling Topic & Subtopic

STEP 4

Click on the  button to create a new record and Topic screen will be displayed as Figure 3.18.1-4



Topic

Topic Code Topic Name Status Remarks

Sub Topic

+ 1 / 1

Sub Topic Code	Sub Topic Name	Status
No Records Found!		

Figure 3.18.1-4 Topic

STEP 5

Enter **Topic Code**

STEP 6

Enter **Topic Name**

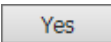
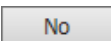
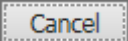
Note

Remarks is an optional field

STEP 7

Click on the  button to save the record

Note

- System will display a Confirmation Message as Figure 3.18.1-5
- Click on the  button to save the transaction
- Click on the  or  button to cancel the saved record

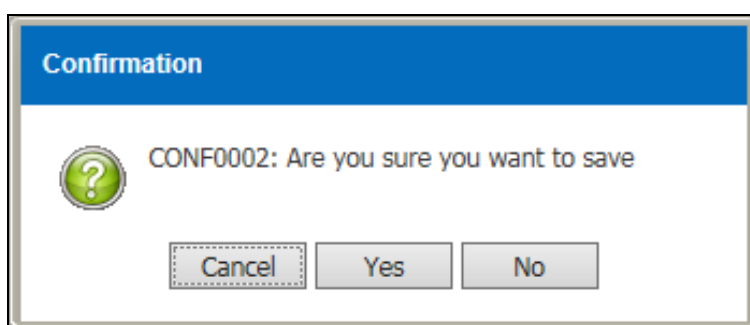


Figure 3.18.1-5 Confirmation Message

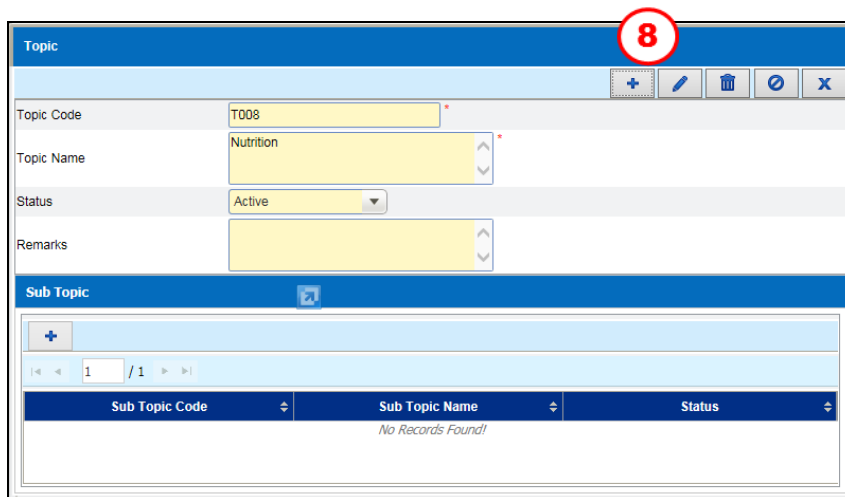


Figure 3.18.1-6 Topic

STEP 8

Click on the  button to edit the record

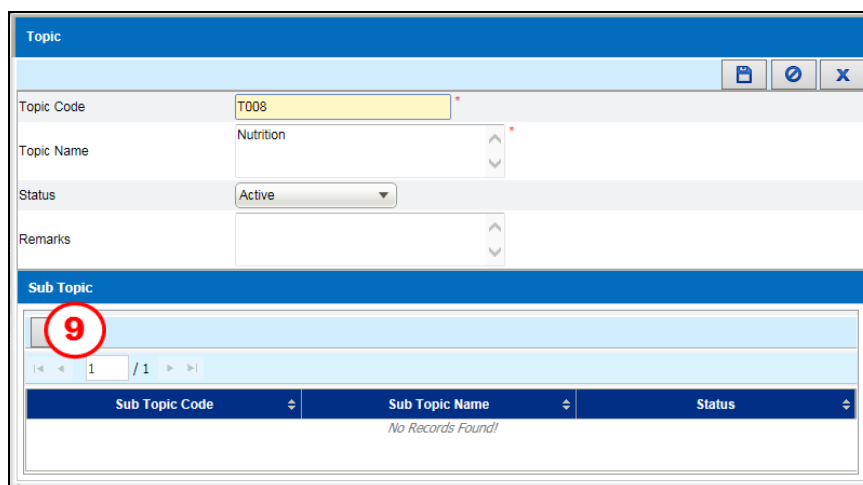


Figure 3.18.1-7 Topic

STEP 9

Click on the  button and Sub Topic screen will be displayed as figure 3.18.1-7

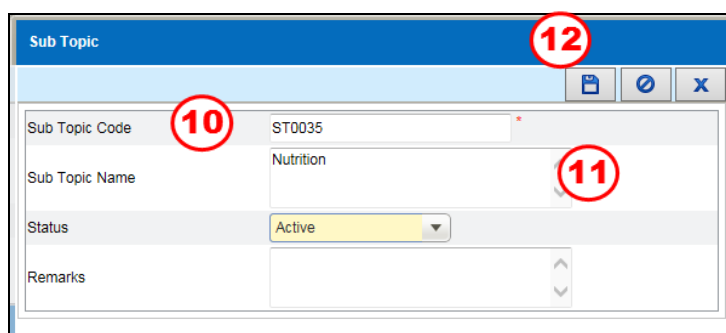


Figure 3.18.1-8 Sub Topic

STEP 10

Enter **Sub Topic Code**

STEP 11

Enter **Sub Topic Name**

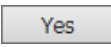
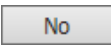
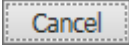
Note

Remarks is an optional field

STEP 12

Click on the  button to save the record

Note

- System will display a Confirmation Message as Figure 3.18.1-9
- Click on the  button to save the transaction
- Click on the  or  button to cancel the saved record

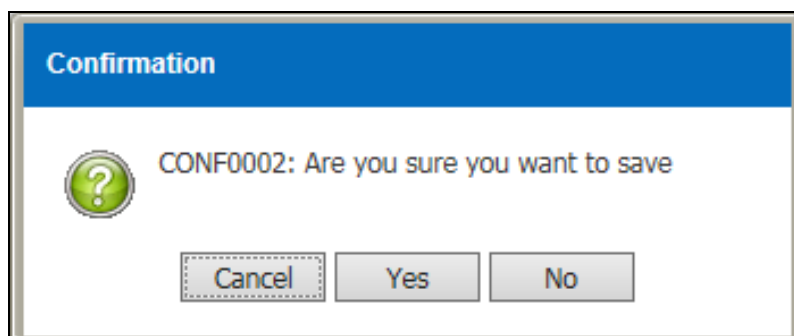
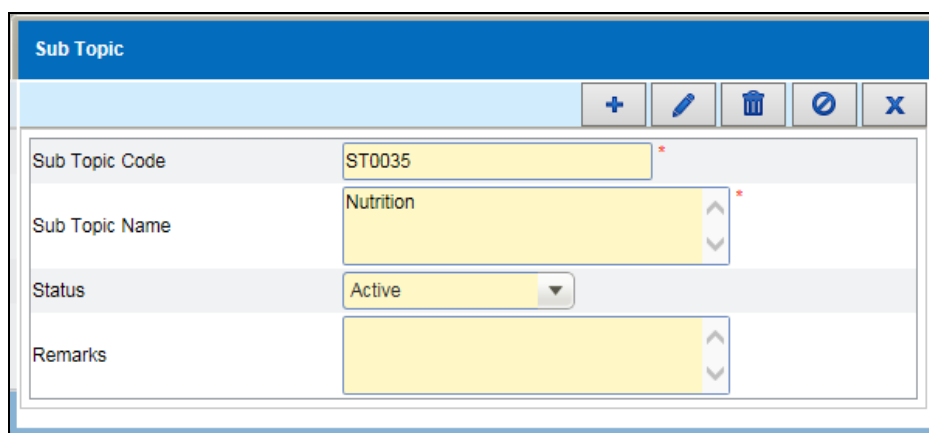


Figure 3.18.1-9 Confirmation Message



A form titled "Sub Topic" with a blue header bar. Below the header, there is a toolbar with five icons: a plus sign (+), a pencil (edit), a trash can (delete), a circle with a slash (refresh), and an 'X' (close). The form contains four fields: "Sub Topic Code" with the value "ST0035" and a red asterisk; "Sub Topic Name" with the value "Nutrition" and a red asterisk; "Status" with a dropdown menu showing "Active"; and "Remarks" with an empty text area.

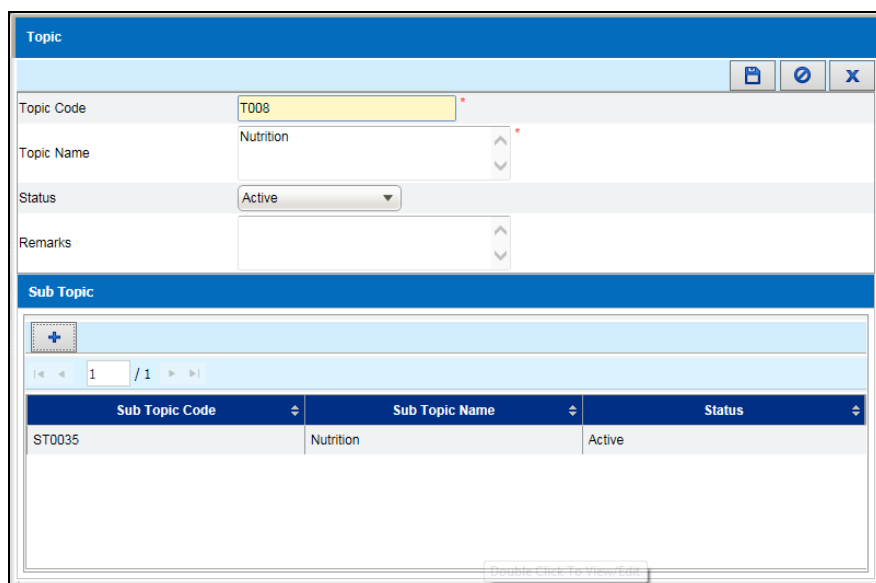
Figure 3.18.1-10 Sub Topic

Note

User is allow to add more than 1 Sub Topic by click on the  button and follow **STEP 10** to **STEP 12**

Note

Click on the  button to close the screen



Topic

Topic Code: T008

Topic Name: Nutrition

Status: Active

Remarks:

Sub Topic

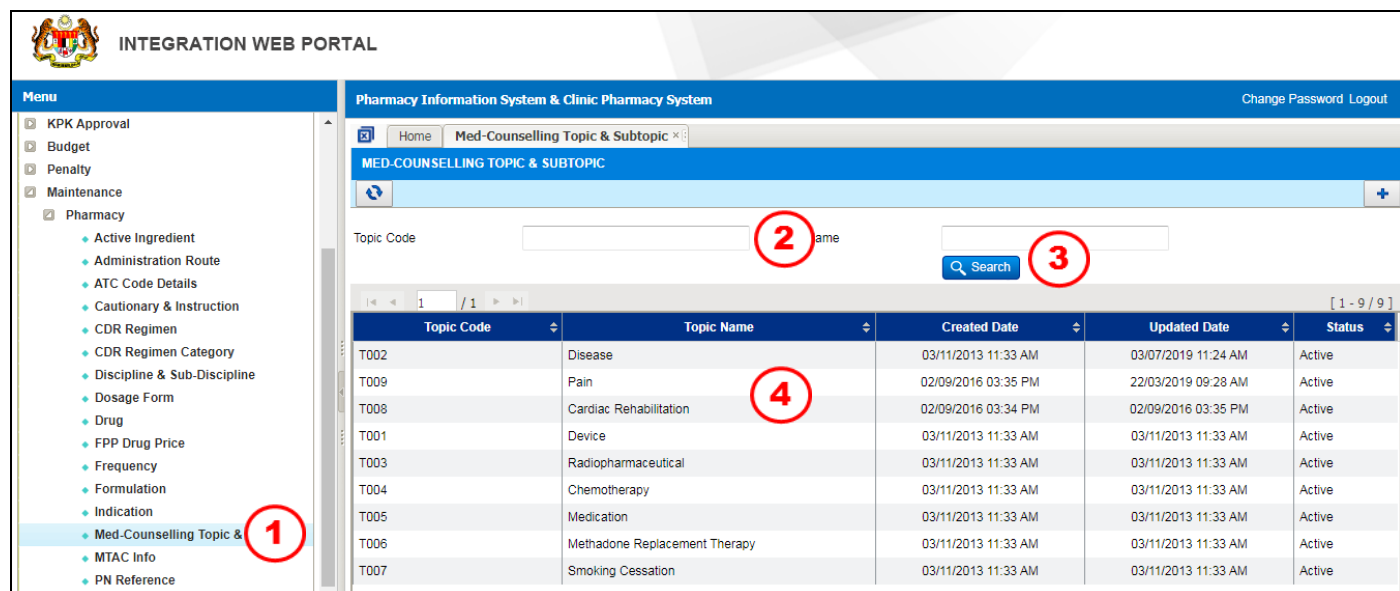
Sub Topic Code	Sub Topic Name	Status
ST0035	Nutrition	Active

Double Click To View/Edit

Figure 3.18.1-11 Topic

3.18.2 Modify Med-Counselling Topic & Subtopic

To Modify record for Med-Counselling Topic & Subtopic, perform the steps below:



Integration Web Portal

Menu

- KPK Approval
- Budget
- Penalty
- Maintenance
 - Pharmacy
 - Active Ingredient
 - Administration Route
 - ATC Code Details
 - Cautionary & Instruction
 - CDR Regimen
 - CDR Regimen Category
 - Discipline & Sub-Discipline
 - Dosage Form
 - Drug
 - FPP Drug Price
 - Frequency
 - Formulation
 - Indication
 - Med-Counselling Topic & Subtopic
 - MTAC Info
 - PN Reference

Pharmacy Information System & Clinic Pharmacy System

Home Med-Counselling Topic & Subtopic

MED-COUNSELLING TOPIC & SUBTOPIC

Topic Code Topic Name

Topic Code	Topic Name	Created Date	Updated Date	Status
T002	Disease	03/11/2013 11:33 AM	03/07/2019 11:24 AM	Active
T009	Pain	02/09/2016 03:35 PM	22/03/2019 09:28 AM	Active
T008	Cardiac Rehabilitation	02/09/2016 03:34 PM	02/09/2016 03:35 PM	Active
T001	Device	03/11/2013 11:33 AM	03/11/2013 11:33 AM	Active
T003	Radiopharmaceutical	03/11/2013 11:33 AM	03/11/2013 11:33 AM	Active
T004	Chemotherapy	03/11/2013 11:33 AM	03/11/2013 11:33 AM	Active
T005	Medication	03/11/2013 11:33 AM	03/11/2013 11:33 AM	Active
T006	Methadone Replacement Therapy	03/11/2013 11:33 AM	03/11/2013 11:33 AM	Active
T007	Smoking Cessation	03/11/2013 11:33 AM	03/11/2013 11:33 AM	Active

Figure 3.18.2-1 Med-Counselling Topic & Subtopic

STEP 1

Click on 'Maintenance' menu, followed by 'Pharmacy' and click on 'Med-Counselling Topic & Subtopic'

STEP 2

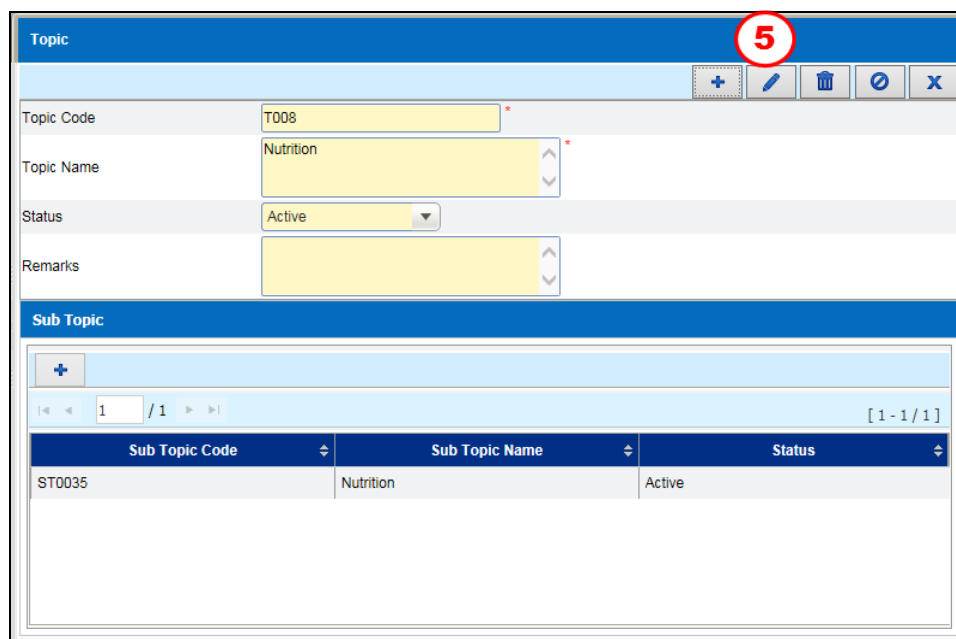
Search existing record by entering **Topic Code** and/or **Topic Name**

STEP 3

Click on the button and system will display related record

STEP 4

Click on the selected record



The screenshot shows the 'Topic' maintenance form. At the top right, a red circle with the number '5' highlights the edit button (pencil icon). The form contains the following fields:

- Topic Code:** T008
- Topic Name:** Nutrition
- Status:** Active
- Remarks:** (empty text area)

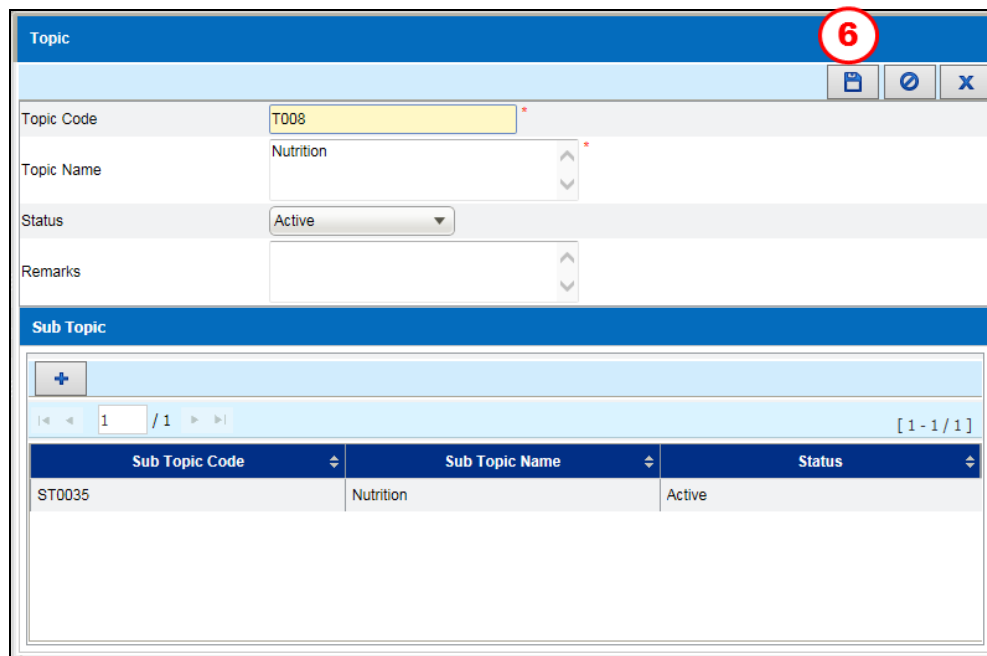
Below the main form is a 'Sub Topic' section with a table:

Sub Topic Code	Sub Topic Name	Status
ST0035	Nutrition	Active

Figure 3.18.2-2 Topic

STEP 5

Click on the  button to edit the record



This screenshot is identical to the previous one, but a red circle with the number '6' highlights the save button (floppy disk icon) at the top right of the form.

Figure 3.18.2-3 Topic

Note

User is allowing to edit:

- **Topic Name**
- **Status**
- **Remarks**
- **Sub Topic**

STEP 6

Click on the  button to save the edited record

Note

- System will display a Confirmation Message as Figure 3.18.2-4
- Click on the button to save the edited record
- Click on the or button to cancel the edited record

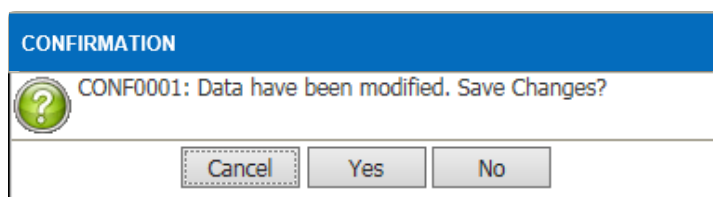
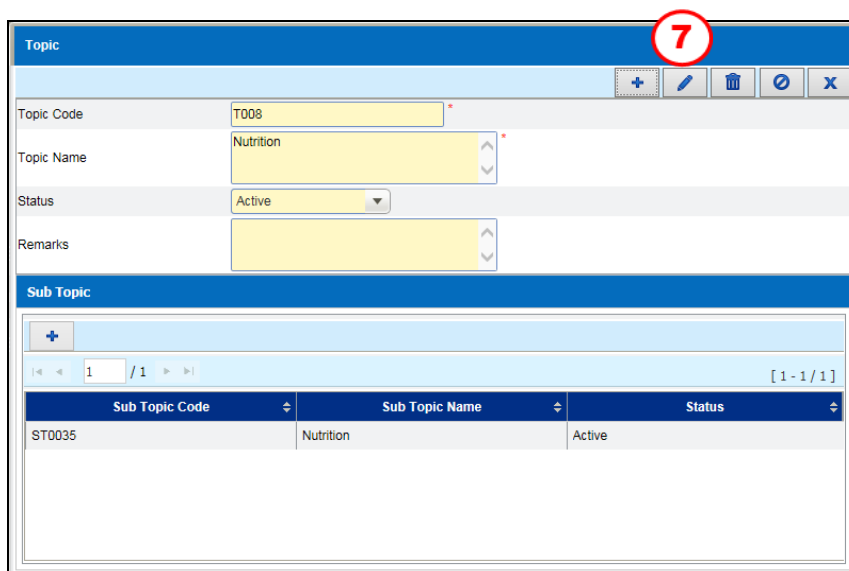


Figure 3.18.2-4 Confirmation Message



Sub Topic Code	Sub Topic Name	Status
ST0035	Nutrition	Active

Figure 3.18.2-5 Topic

STEP 7

Click on the  button to delete the record

Note

- System will display a Confirmation Message as Figure 3.14.2-6
- Click on the button to delete the record

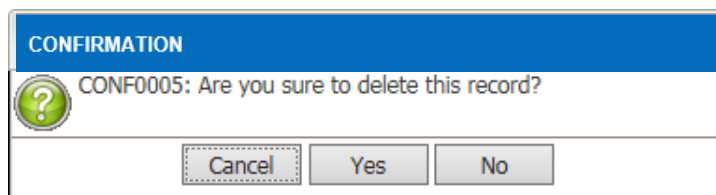
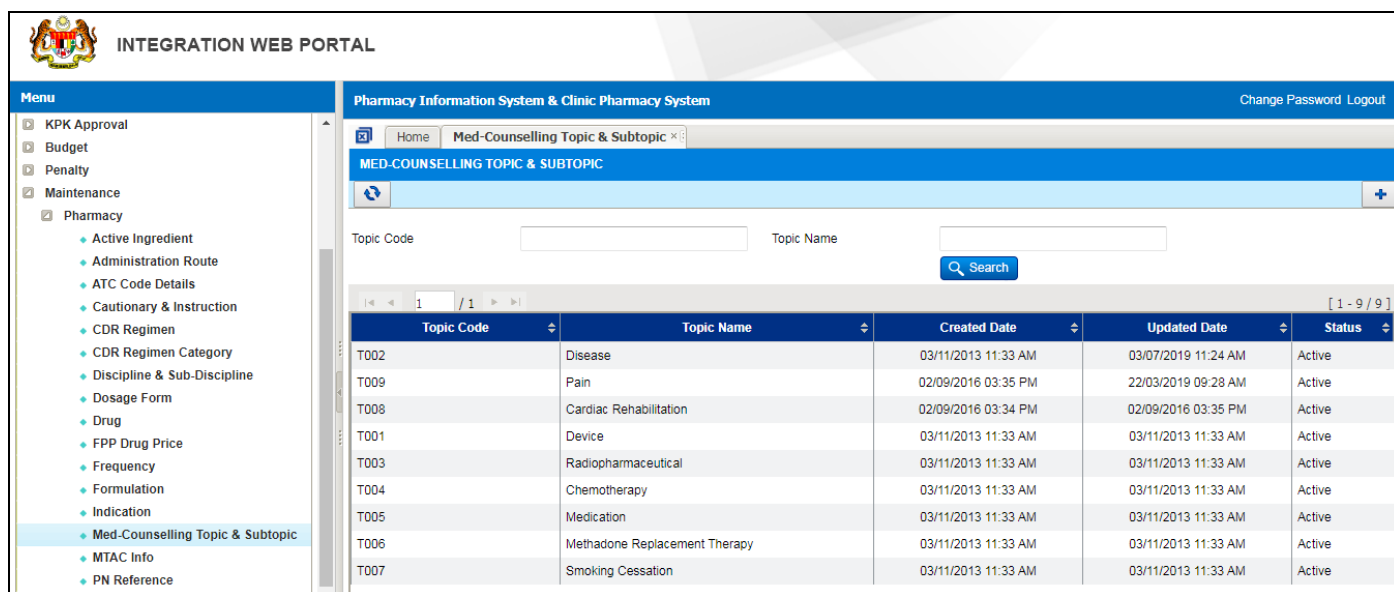


Figure 3.18.2-6 Confirmation Message

- The status of the record will be **Inactive** as figure 3.18.2-7



The screenshot shows the "INTEGRATION WEB PORTAL" interface. On the left is a "Menu" sidebar with a tree view. The main content area is titled "Pharmacy Information System & Clinic Pharmacy System" and includes a "Change Password Logout" link. Below the title bar is a breadcrumb trail: "Home > Med-Counselling Topic & Subtopic". The main section is titled "MED-COUNSELLING TOPIC & SUBTOPIC" and features a search bar with "Topic Code" and "Topic Name" input fields and a "Search" button. Below the search bar is a table with 5 columns: "Topic Code", "Topic Name", "Created Date", "Updated Date", and "Status". The table contains 9 rows of data, all with a status of "Active".

Topic Code	Topic Name	Created Date	Updated Date	Status
T002	Disease	03/11/2013 11:33 AM	03/07/2019 11:24 AM	Active
T009	Pain	02/09/2016 03:35 PM	22/03/2019 09:28 AM	Active
T008	Cardiac Rehabilitation	02/09/2016 03:34 PM	02/09/2016 03:35 PM	Active
T001	Device	03/11/2013 11:33 AM	03/11/2013 11:33 AM	Active
T003	Radiopharmaceutical	03/11/2013 11:33 AM	03/11/2013 11:33 AM	Active
T004	Chemotherapy	03/11/2013 11:33 AM	03/11/2013 11:33 AM	Active
T005	Medication	03/11/2013 11:33 AM	03/11/2013 11:33 AM	Active
T006	Methadone Replacement Therapy	03/11/2013 11:33 AM	03/11/2013 11:33 AM	Active
T007	Smoking Cessation	03/11/2013 11:33 AM	03/11/2013 11:33 AM	Active

Figure 3.18.2-7 Med-Counselling Topic & Sub Topic

4.0 Acronyms

Abbreviation	Definition
MOH	Ministry of Health
KKM	Kementerian Kesihatan Malaysia
PhIS	Pharmacy Information System
CPS	Clinical Pharmacy System
PKU	Packaging Keeping Unit
SKU	Store Keeping Unit
BPF	Bahagian Perkhidmatan Farmasi
NPRA	National Pharmaceutical Regulatory Agency

5.0 Link to IWP Modules

No	Module	PDF Links
1	Notification	Click Here
2	Frequency Asked Question	Click Here
3	Drug Information	Click Here
4	Contract	Click Here
5	KPK Approval	Click Here
6	Maintenance – Pharmacy	Click Here
7	Maintenance – Inventory	Click Here
8	Maintenance – General	Click Here
9	Maintenance – HQ Security	Click Here