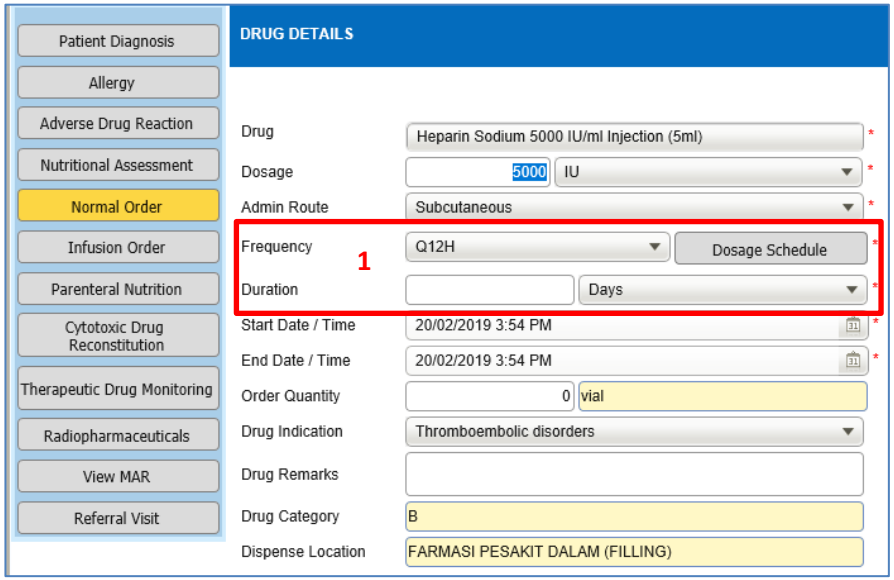
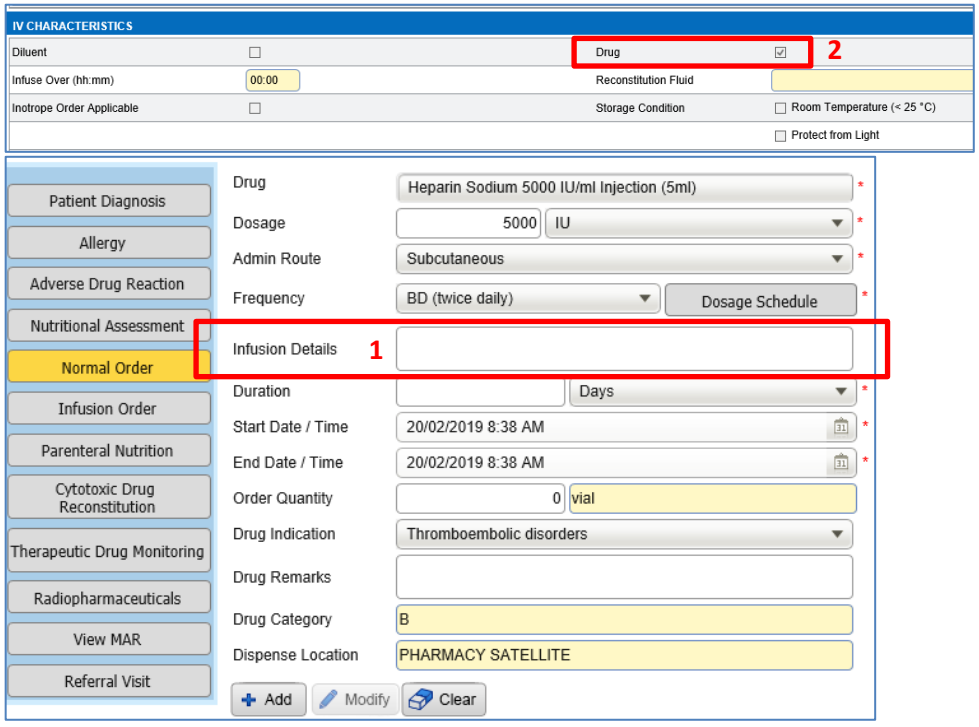
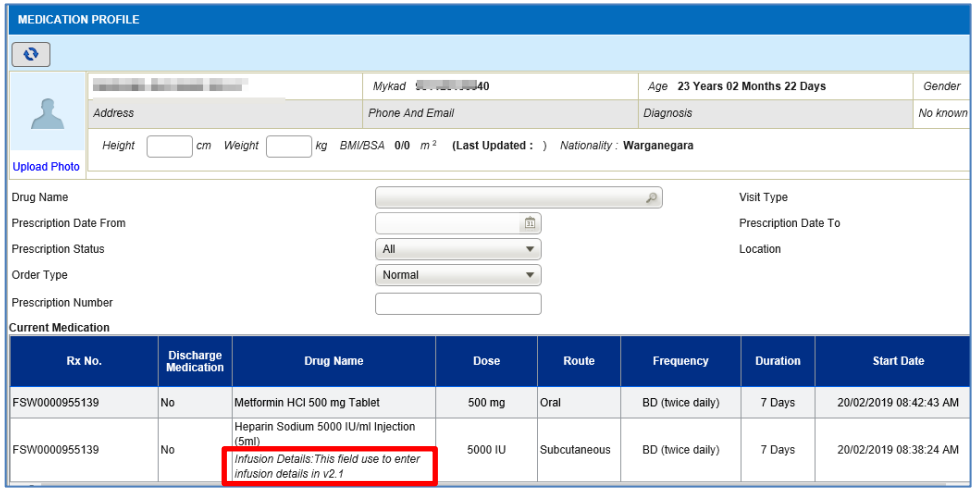
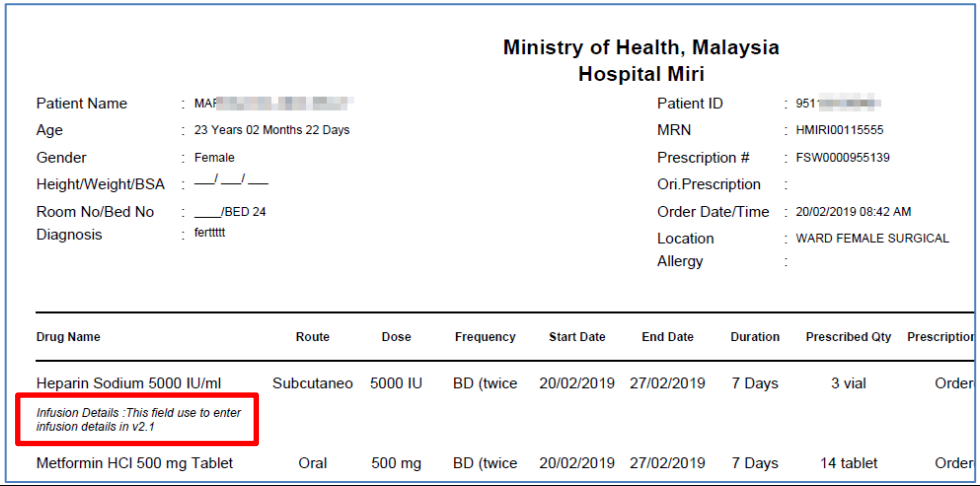
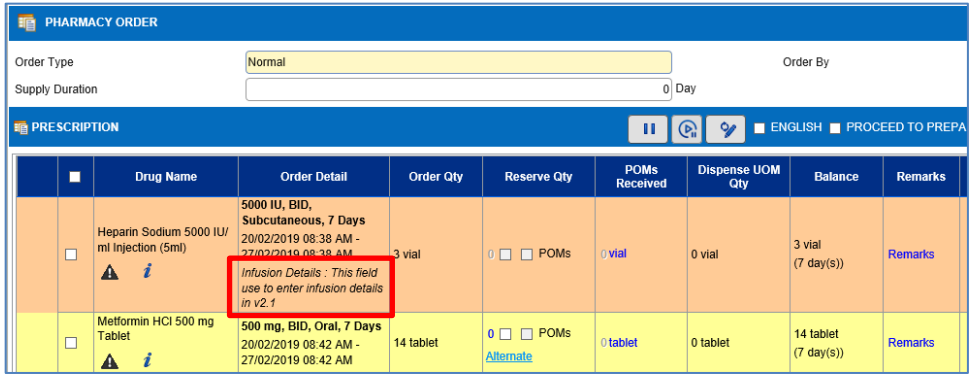
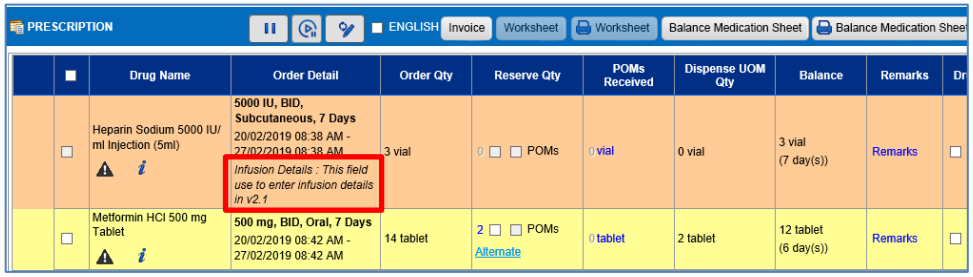
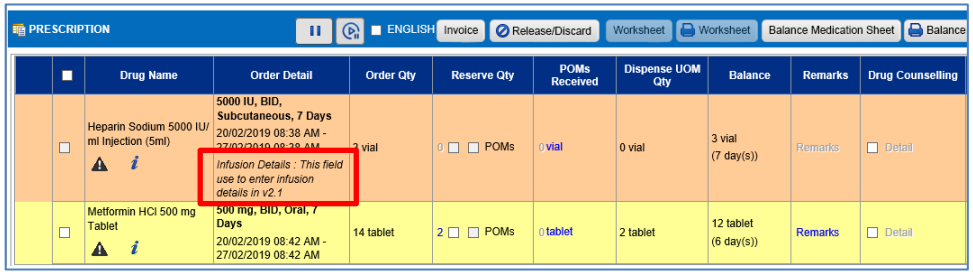
Summary of Ticket Number and Requests on Manufacturing IV

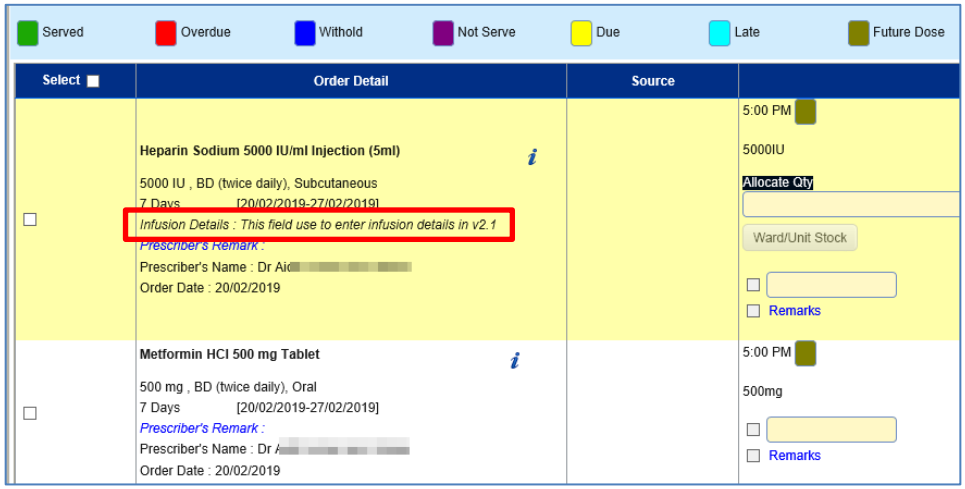
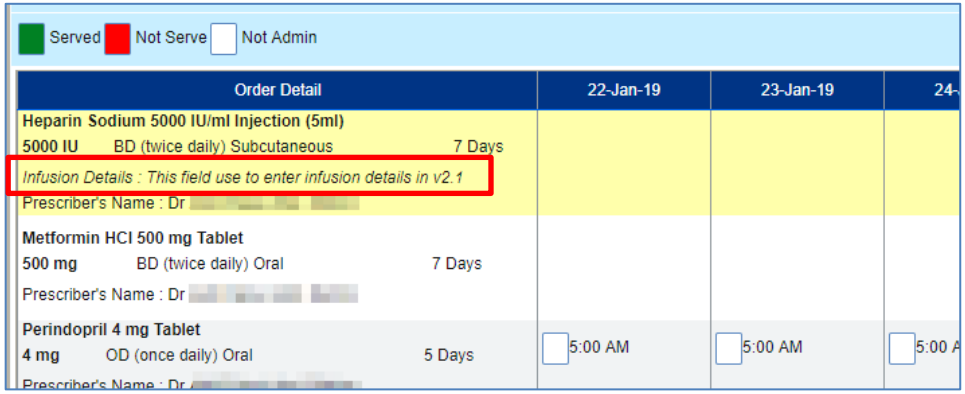
No.	Ticket #	Description	Requests	Solution
1.	I-PhIS013744916S	**IV order - Transcribing infusion medication** Diluent must be filled when transcribed infusion medication and stock will be deducted. Current hospital setting is IV Drips has been supplied to 18respective wards and nurse will use their own stock as diluent. To removed compulsory Diluent supply in 'Infusion Order' function	Update IV Order function	Normal Order: Add new free text field of 'Infusion Details' for the IV drugs. Prescriber enter the details, the details will be displayed in all related screens (pharmacy dispensing, MAR, med profile)
2.	I-PhIS008789815S	**Request all inotrope order to view until Verification screen for pharmacist to verify.** Currently, all IV inotrope order flow directly to MAR screen for nurse administration. User request for all inotrope order to flow to pharmacist as ward stock to view only until Verification screen. After pharmacist verify, no need to display the order in preparation screen. Module: Manufacturing - IV Time: 12.00 pm, 05/02/2015	Update IV Order function	
3.	I-PhIS015261916S	**(1.4.1) Medication Order - Request to enable edit Infusion Rate** User request to enable edit Infusion Rate fill on Infusion Order. User stated when he edit the infusion over(hour and minute) will affect the infusion rate. IPAD Version 1.4.1	To update infusion rate calculation	To update calculation as: Infusion Rate = Fluid Volume / Infuse Over Fluid Volume = Infusion Rate * Infuse Over Infuse Over = Fluid Volume / Infusion Rate
4.	I-PhIS012096415S	**IV Order - Request for Ordered Concentration, Infusion Rate and Duration editable** User request variable not automatic calculation for column "Ordered Concentration", "Infusion Rate" and "Duration" at screen "Infusion Oder"	To update infusion rate calculation	

No.	Ticket #	Description	Requests	Solution
5.	I-PhIS01221 1315S	**Order management (IV) - Request to be able to alter Ordered concentration and infusion rate** "User reported iPad version for "Infusion Order" is not user friendly, because unable to alter Ordered concentration and infusion rate e.g. IV Pantoprazole 80mg in 50cc NS run at 5cc per hour (unable to key in infusion rate) and IV Noradrenaline 8mg in 50cc NS run at 10.3cc per hour (=0.5mcg/kg/min) Unable to key in infusion rate."	To update infusion rate calculation	
6.	I-PhIS01615 1216S	**Request to add Patient IC No for PN and IV drug label.** Request to add Patient IC No for PN and IV drug label.	Add patient No in IV drug label	Add patient No in IV drug label

Function Flow	Current Version 2.0	New Version 2.1
1. New field for 'Infusion Details' in Normal Order	• No field to enter 'Infusion Details'. User to fill in the details in 'Remarks' field only 1. Go to Medication Order and choose Normal order screen. 2. Create IV drug order and *Infusion details field(1)* does not exist.  3. In other screens (pharmacy dispensing, MAR, medication profile), this information does not exist since there is no field for Infusion Details since order.	• Allow to enter Infusion Details in 'Medication Order - Normal Order' and 'Record Prescription – Normal Order' screen and display in all related screens (pharmacy dispensing, MAR, medication profile) 1. Go to Medication Order/Record Prescription screen and choose Normal order screen. 2. Create order for Normal Order, select IV drug and *Infusion Details field(1)* will appear. ○ This new field will display only when the selected drug is specified as *'IV Drug' in Drug Master(2)* 

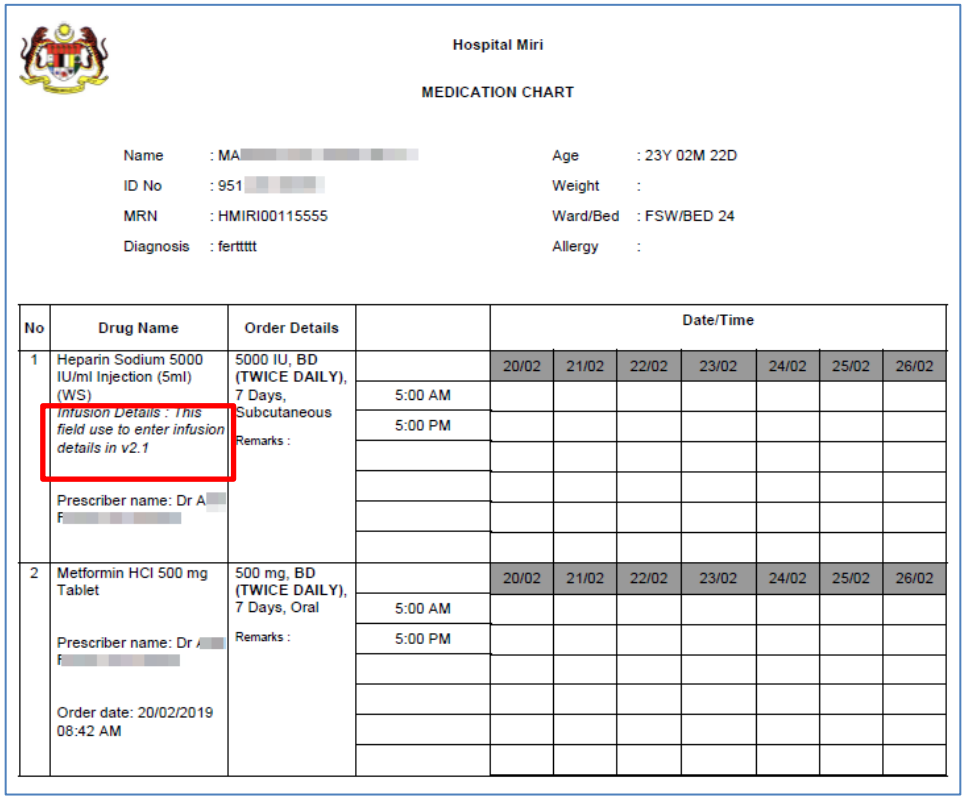
Function Flow	Current Version 2.0	New Version 2.1
		3. Confirm the order and this infusion details will be display on several screens below: a. Medication Profile  b. Print Original Prescription 

Function Flow	Current Version 2.0	New Version 2.1
		c. Inpatient Pharmacy: Screening and Verification ○ *Note: Infusion Details is not applicable for Outpatient Pharmacy*  d. Inpatient Pharmacy: Preparation  e. Inpatient Pharmacy: Dispensing 

Function Flow	Current Version 2.0	New Version 2.1
		f. MAR (*For full based facility only*)  g. View MAR (*For full based facility only*) 

Function Flow	Current Version 2.0	New Version 2.1

h. MAR chart (*For full based facility only*)



Hospital Miri

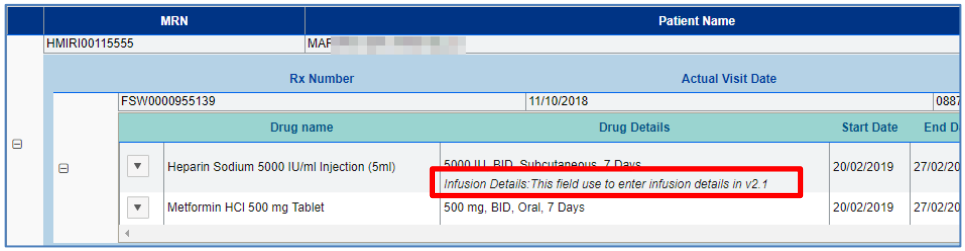
MEDICATION CHART

Name : MA
ID No : 951
MRN : HMIRI00115555
Diagnosis : fertttttt

Age : 23Y 02M 22D
Weight :
Ward/Bed : FSW/BED 24
Allergy :

No	Drug Name	Order Details		Date/Time						
				20/02	21/02	22/02	23/02	24/02	25/02	26/02
1	Heparin Sodium 5000 IU/ml Injection (5ml) (WS) *Infusion Details : This field use to enter infusion details in v2.1* Prescriber name: Dr A F	5000 IU, BD **(TWICE DAILY)**, 7 Days, Subcutaneous Remarks :	5:00 AM							
			5:00 PM							
2	Metformin HCl 500 mg Tablet Prescriber name: Dr F Order date: 20/02/2019 08:42 AM	500 mg, BD **(TWICE DAILY)**, 7 Days, Oral Remarks :		20/02	21/02	22/02	23/02	24/02	25/02	26/02
			5:00 AM							
			5:00 PM							

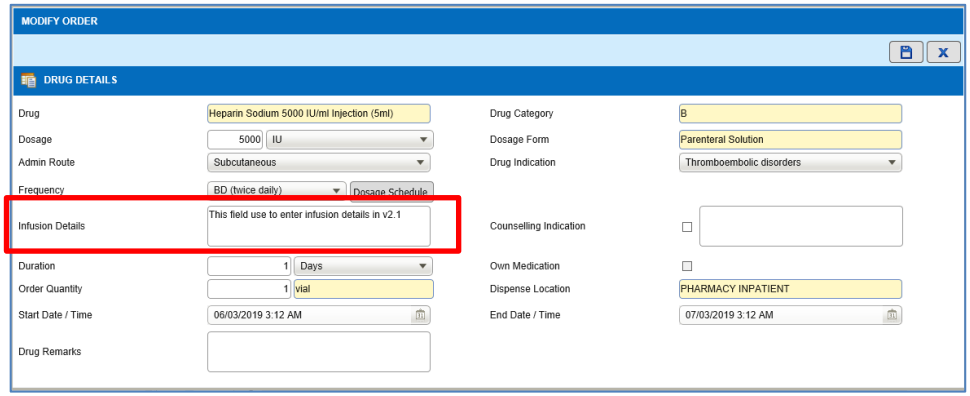
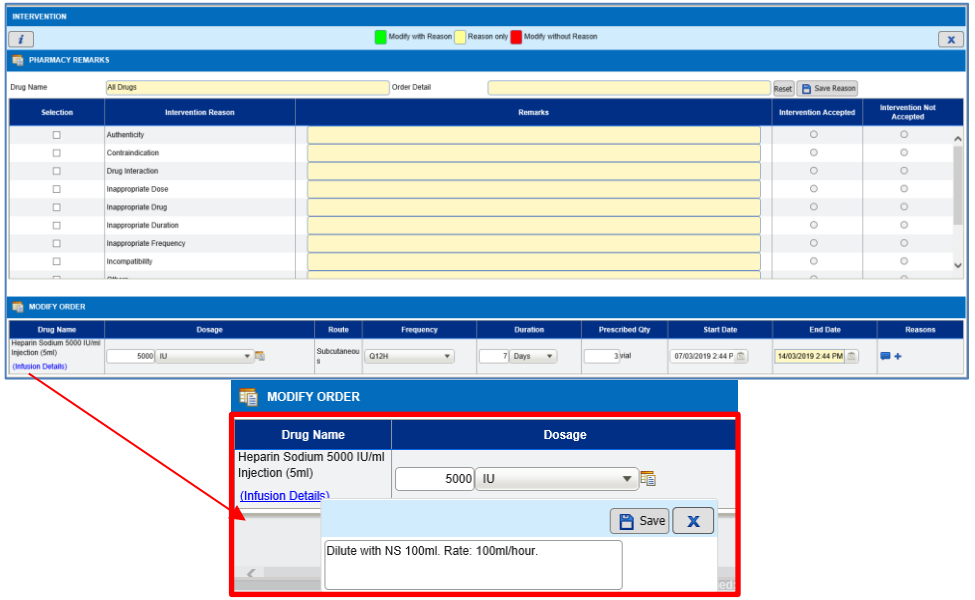
i. Manage Prescription

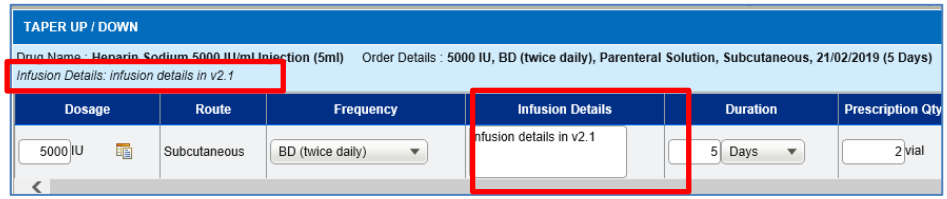
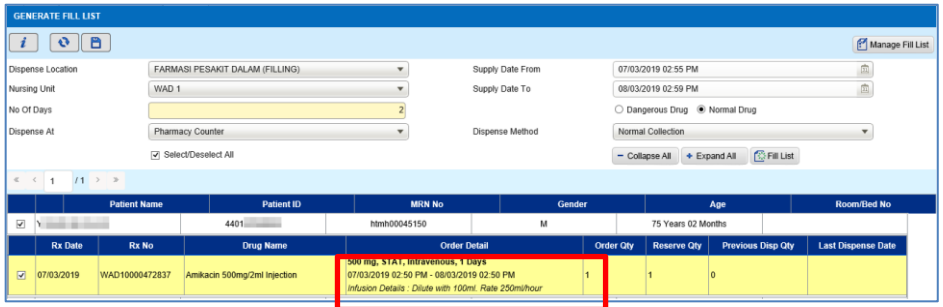


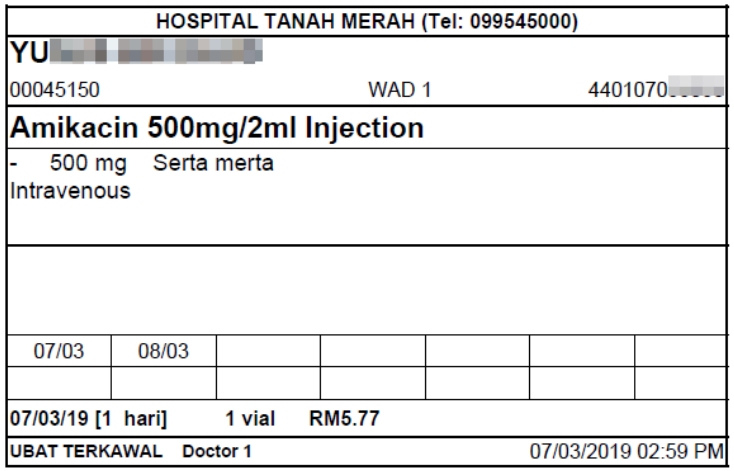
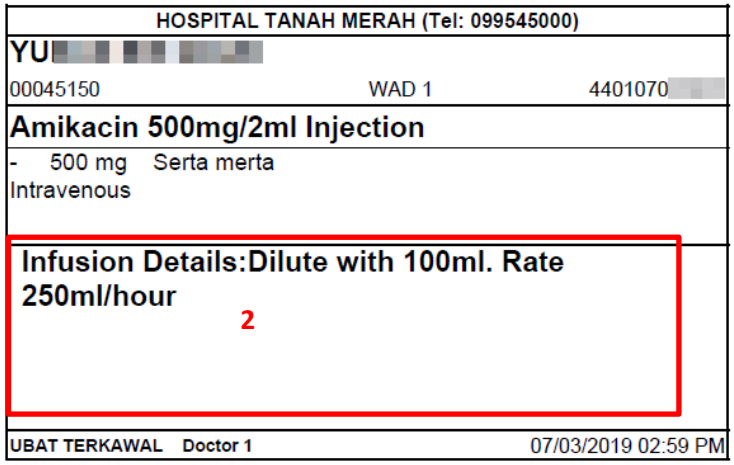
MRN	Patient Name
HMIRI00115555	MAF

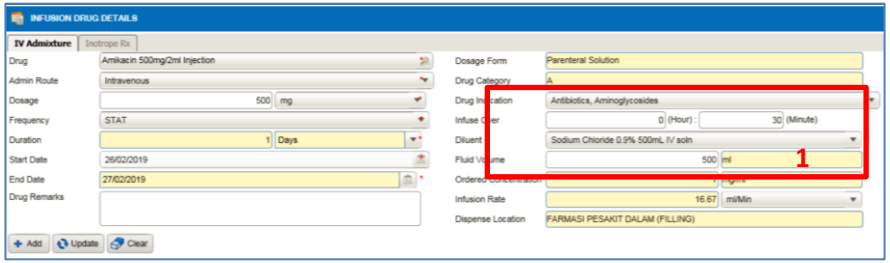
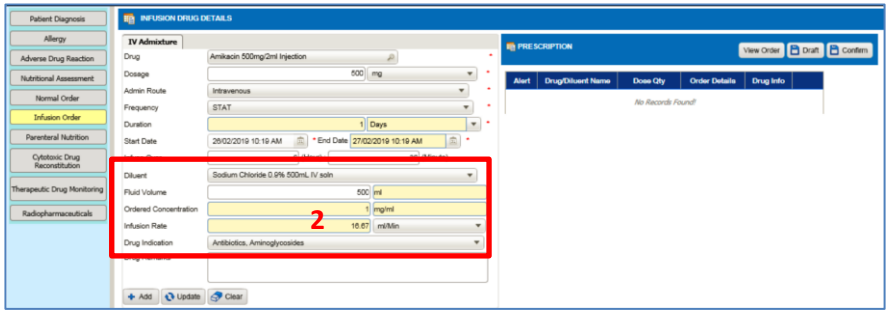
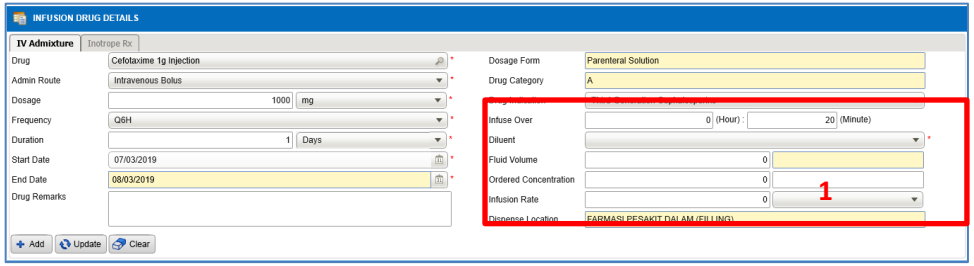
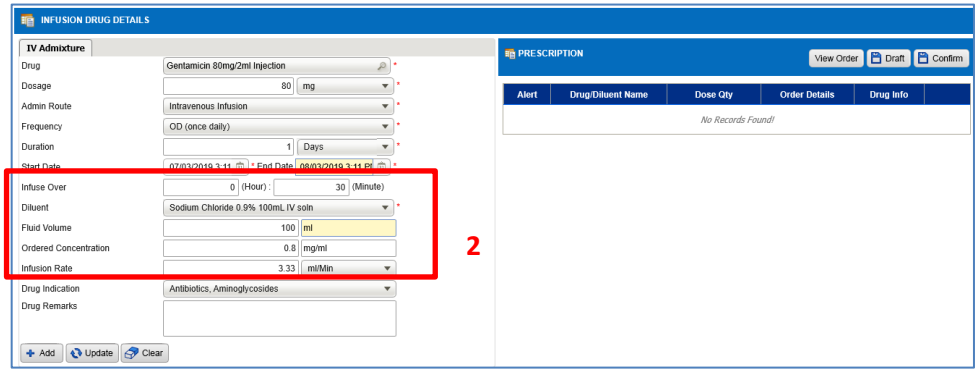
Rx Number	Actual Visit Date
FSW0000955139	11/10/2018

Drug name	Drug Details	Start Date	End D
Heparin Sodium 5000 IU/ml Injection (5ml)	5000 IU, BID, Subcutaneous, 7 Days *Infusion Details:This field use to enter infusion details in v2.1*	20/02/2019	27/02/20
Metformin HCl 500 mg Tablet	500 mg, BID, Oral, 7 Days	20/02/2019	27/02/20

Function Flow	Current Version 2.0	New Version 2.1
		j. Manage Prescription: Change  k. Intervention details 

Function Flow	Current Version 2.0	New Version 2.1
		l. Manage Prescription: Taper drugs  m. Fill List   **Notes**: • *'Infusion Details' is not displayed in following screen; user can refer to medication profile:* *i. Authorization* *ii. Order Endorsement*

Function Flow	Current Version 2.0	New Version 2.1
		4. Inpatient Drug label show *Infusion Details(2)* in second sheet of drug label if this drug ir ordered through normal medication order: a. First sheet drug label  HOSPITAL TANAH MERAH (Tel: 099545000) YU [redacted] 00045150 WAD 1 4401070[redacted] **Amikacin 500mg/2ml Injection** - 500 mg Serta merta Intravenous 07/03 08/03 **07/03/19 [1 hari] 1 vial RM5.77** **UBAT TERKAWAL Doctor 1** 07/03/2019 02:59 PM b. Second sheet drug label  HOSPITAL TANAH MERAH (Tel: 099545000) YU [redacted] 00045150 WAD 1 4401070[redacted] **Amikacin 500mg/2ml Injection** - 500 mg Serta merta Intravenous **Infusion Details:Dilute with 100ml. Rate 250ml/hour** 2 **UBAT TERKAWAL Doctor 1** 07/03/2019 02:59 PM

Function Flow	Current Version 2.0	New Version 2.1
2. IV Admixture: Update calculation for Dosage, Infuse Over and Infusion Rate	1. Medication Order/Record Prescription - Infusion order screen: a. Medication Order  b. Record Prescription  2. *'Infusion Rate' and 'Ordered Concentration'(1) and (2)* fields are NOT editable. 3. Infusion calculation are using current formula.	1. Medication Order/Record Prescription - Infusion order screen: a. Medication Order  b. Record Prescription  2. *'Infusion Rate' and 'Ordered Concentration' (1)* fields are editable and calculated based on formula below: a. Infusion Rate = Fluid Volume / Infuse Over (Default calculation) b. If user change 'Infusion Rate' value >> Recalculate: 'Infuse Over' = Fluid Volume / Infusion Rate. c. Ordered Concentration = Dosage /Fluid Volume (Default calculation) d. If user change 'Ordered Concentration' >> Recalculate: 'Dosage' = Ordered Concentration * Fluid Volume

<table>
<tr><th>Function Flow</th><th>Current Version 2.0</th><th>New Version 2.1</th></tr>
<tr>
<td>3. IV Admixture:
Add patient ID No in label</td>
<td>1. IV Admixture – Preparation screen: Print label
<table>
<tr><td colspan="2">IV Admixture Pharmacy
Hospital Pakar Sultanah Fatimah, Muar</td></tr>
<tr><td colspan="2">Patient Name: ZXXXXX XXXXXX XXXXX XXX XXXXX</td></tr>
<tr><td>MRN: HPSF00001344</td><td>WAD 1 (PSY - P)</td></tr>
<tr><td>Drug Name: Esomeprazole 40mg Injection</td><td>Bed No:</td></tr>
<tr><td colspan="2">Dose: 40 mg / 5 ml (Conc: 0.08 mg/ml)
in 500 ml Sodium Chloride 0.9% 500mL IV soln</td></tr>
<tr><td colspan="2">Route: IV Freq: BD (twice daily) Infuse Rate: 250 ml/Hour</td></tr>
<tr><td colspan="2">Prepared Date: 19/10/2018 Exp Date: 19/10/2018</td></tr>
<tr><td colspan="2">Indication: Peptic Ulcer and Gastro- Price: RM 65.36</td></tr>
<tr><td colspan="2">Storage: Refrigerate (2 - 8 C)</td></tr>
</table>
</td>
<td>1. IV Admixture – Preparation screen: Print label, label layout updated as below:
<table>
<tr><td colspan="3">IV Admixture Pharmacy
Hospital Tanah Merah</td></tr>
<tr><td colspan="3">PATIENT TEST IV
1
htmh00107858 WAD 1 441204035293</td></tr>
<tr><td colspan="2">Drug Name: Cefotaxime 1g Injection</td><td>Bed No:</td></tr>
<tr><td colspan="3">Dose: 1000 mg / 4 ml (Conc: 4 mg/ml)
in 250 ml Sodium Chloride 0.9% 250mL IV soln</td></tr>
<tr><td colspan="3">Route: IVB Freq: Q6H Infuse Rate: 12.5 ml/Min</td></tr>
<tr><td colspan="3">Prepared Date: 07/03/2019 Exp Date: 07/03/2019</td></tr>
<tr><td colspan="3">Indication: Third-Generation Cephalosporins Price: RM 1.00</td></tr>
<tr><td colspan="3">Storage:</td></tr>
</table>
a. Add in <u>*patient ID number(1)*</u>
b. Remove labeling ‘P<u>*atient Name:’ and ‘MRN:’(1)*</u>
c. Remove line between patient name and MRN number
d. Adjust MRN, Visit Location and ID Number to be in one line
</td>
</tr>
</table>