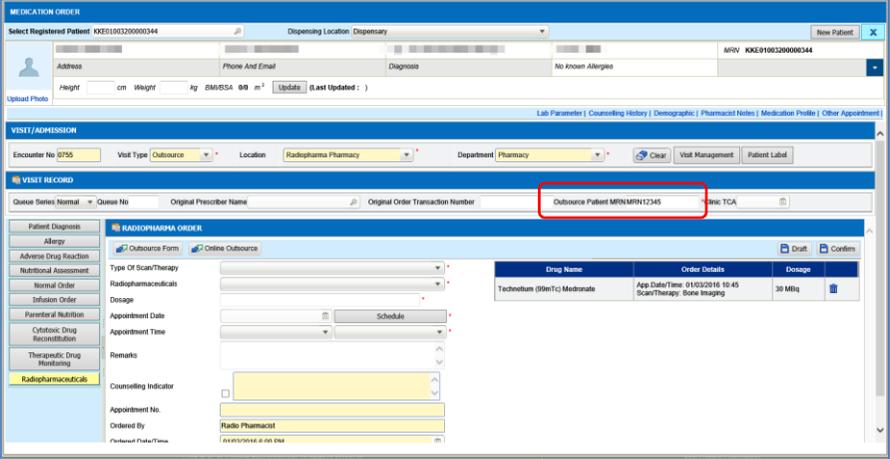
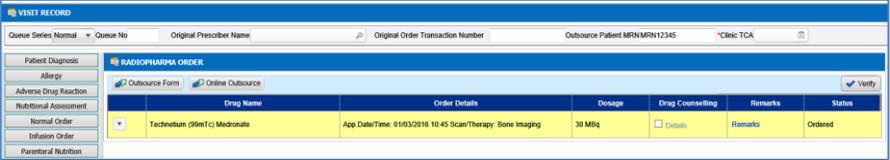
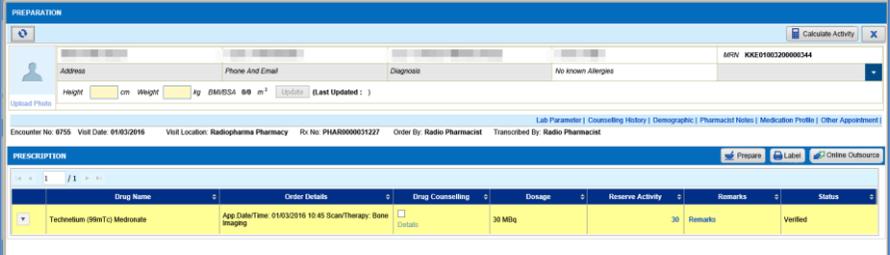
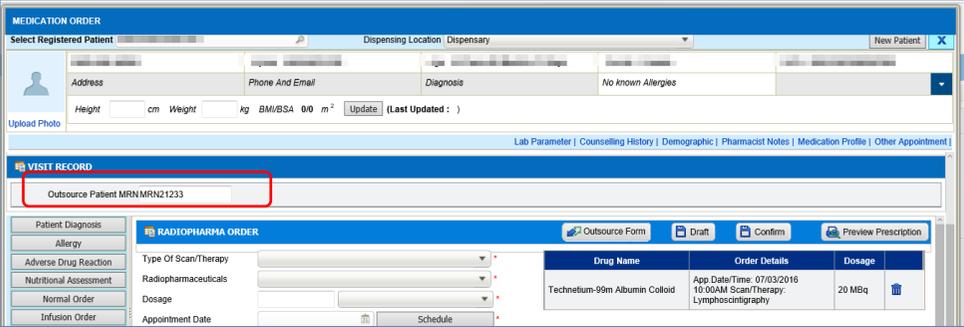
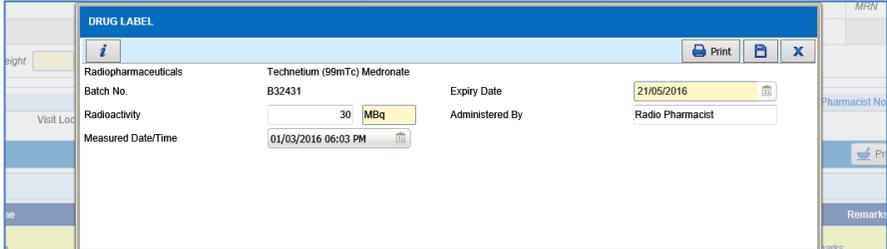
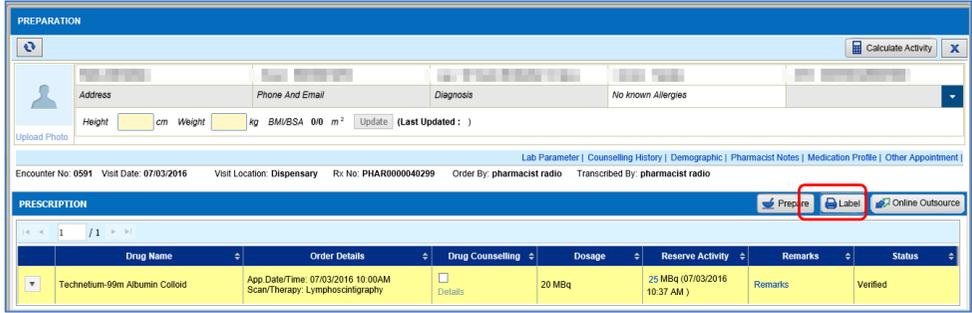




Proposed Solution

| No. | Ticket # | Description | Requests | Proposed Solution |
|-----|------------------|---|---|---|
| 1. | I-PHIS012793615S | Radiopharma Outsource: Online/Offline 1. To add the Issue Detail button in Dispensing screen, to print pdf form same as in Bulk Preparation screen (but without the second page) 2. In the form, to add Patient MRN, IC, Name. | Online/Offline 1. To add the Issue Detail button in Dispensing screen, to print pdf form same as in Bulk Preparation screen (but without the second page) 2. In the form, to add Patient MRN, IC, Name. | Outsource Online/Offline 1. To add the Issue Detail button in Dispensing screen, to print pdf form same as in Bulk Preparation screen (but without the second page) 2. In the form, to add Patient MRN, IC, Name. |

| Function Flow | Radiopharma Outsource in current Version 1.3.8 | Radiopharma Outsource in new Version 1.4.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------|---|---|----------------|-----------------------|--------------|------------|-------|----------------------------|-------|----------|----------|--------|------------------|----------------|---------------------|--------------------|-------------------|--|------------------|--|------------|------------|-------------|--|-----------|--|----------------|----------------------|----------------------|--------|-----------------------|-------------|--------------------|--------------------------------|--------|---------------------|
| <p>1. Outsource Patient MRN</p> | <p>1. Create new Offline Outsource order. Fill in Outsource Patient MRN.</p>  <p>2. Confirm the order.</p>  <p>3. Verify order and proceed to preparation screen. Allocate batch qty.</p>  | <p>1. Create new Offline Outsource order. Fill in Outsource Patient MRN.</p>  <p>2. Save order and fill in Outsource Form.</p> <p>3. Print Prescription.</p> <ul style="list-style-type: none"> For outsource order, MRN will refer to Original Patient MRN Added 'Outsource Request By' that displays the facility that send the outsource order. <div data-bbox="1301 807 2078 1225" style="border: 1px solid black; padding: 10px;"> <p style="text-align: center;">Ministry of Health, Malaysia Klinik Kesihatan Bandar Maharani</p> <p style="text-align: center; border: 1px solid red; padding: 2px;">Outsource Request By : Hospital Batu Gajah</p> <table border="0" style="width: 100%;"> <tr> <td>Patient Name :</td> <td>██████████</td> <td>Patient ID :</td> <td>██████████</td> </tr> <tr> <td>Age :</td> <td>50 Years 09 Months 13 Days</td> <td>MRN :</td> <td style="border: 1px solid red;">MRN21233</td> </tr> <tr> <td>Gender :</td> <td>Female</td> <td>Prescription # :</td> <td>PHAR0000040299</td> </tr> <tr> <td>Height/Weight/BSA :</td> <td>/ / m²</td> <td>Order Date/Time :</td> <td></td> </tr> <tr> <td>Room No/Bed No :</td> <td></td> <td>Location :</td> <td>Dispensary</td> </tr> <tr> <td>Diagnosis :</td> <td></td> <td>Allergy :</td> <td></td> </tr> </table> <table border="1" style="width: 100%; margin-top: 10px;"> <thead> <tr> <th>Appointment No</th> <th>Type of Scan/Therapy</th> <th>Radiopharmaceuticals</th> <th>Dosage</th> <th>Appointment Date/Time</th> </tr> </thead> <tbody> <tr> <td>RP160307235</td> <td>Lymphoscintigraphy</td> <td>Technetium-99m Albumin Colloid</td> <td>20 MBq</td> <td>07/03/2016 10:00 AM</td> </tr> </tbody> </table> </div> | Patient Name : | ██████████ | Patient ID : | ██████████ | Age : | 50 Years 09 Months 13 Days | MRN : | MRN21233 | Gender : | Female | Prescription # : | PHAR0000040299 | Height/Weight/BSA : | / / m ² | Order Date/Time : | | Room No/Bed No : | | Location : | Dispensary | Diagnosis : | | Allergy : | | Appointment No | Type of Scan/Therapy | Radiopharmaceuticals | Dosage | Appointment Date/Time | RP160307235 | Lymphoscintigraphy | Technetium-99m Albumin Colloid | 20 MBq | 07/03/2016 10:00 AM |
| Patient Name : | ██████████ | Patient ID : | ██████████ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Age : | 50 Years 09 Months 13 Days | MRN : | MRN21233 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gender : | Female | Prescription # : | PHAR0000040299 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Height/Weight/BSA : | / / m ² | Order Date/Time : | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Room No/Bed No : | | Location : | Dispensary | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Diagnosis : | | Allergy : | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Appointment No | Type of Scan/Therapy | Radiopharmaceuticals | Dosage | Appointment Date/Time | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RP160307235 | Lymphoscintigraphy | Technetium-99m Albumin Colloid | 20 MBq | 07/03/2016 10:00 AM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Function Flow | Radiopharma Outsource in current Version 1.3.8 | Radiopharma Outsource in new Version 1.4.1 |
|---------------|--|--|
| | <p>4. Open Label screen.</p>  <p>5. Click on Print label. Patient MRN refers to current facility MRN, not the Outsource Patient MRN.</p> <div data-bbox="273 619 739 1295" style="border: 1px solid black; padding: 5px;"> <p>NUCLEAR PHARMACY UNIT</p> <p>Caution : Radioactive Material Drug : Technetium (99mTc) Medronate Batch No : B32431</p> <p>PATIENT NAME : [REDACTED] MRN : KKE0100320000344 RADIOACTIVITY : 30MBq MEASURED TIME/DATE : 01/03/2016 06:03 PM EXPIRY DATE/TIME : 21/05/2016 12:00 AM ADMINISTERED BY : Radio Pharmacist</p> <hr/> <p>NUCLEAR PHARMACY UNIT</p> <p>Caution : Radioactive Material Drug : Technetium (99mTc) Medronate Batch No : B32431</p> <p>PATIENT NAME : [REDACTED] MRN : KKE0100320000344 RADIOACTIVITY : 30MBq MEASURED TIME/DATE : 01/03/2016 06:03 PM EXPIRY DATE/TIME : 21/05/2016 12:00 AM ADMINISTERED BY : Radio Pharmacist</p> </div> | <p>4. Proceed to Preparation screen, print label:</p>   <p>5. In label MRN display based on Original Patient MRN:</p> <div data-bbox="1205 874 1803 1311" style="border: 1px solid black; padding: 5px;"> <p>Klinik Kesihatan Bandar Maharani</p> <p>Drug Name : Tc-99m Albumin Colloid</p> <p>Caution : Radioactive Material Batch No : 01.TC151026.1</p> <p>Patient Name : [REDACTED]</p> <p>MRN : MRN21233</p> <p>Radioactivity : 25MBq</p> <p>Measured Date/Time : 07/03/2016 10:37 AM</p> <p>Expiry Date/Time : 26/10/2016 02:13 PM</p> <p>Prepared By : Pharmacist Checked By : Pharmacist</p> </div> |

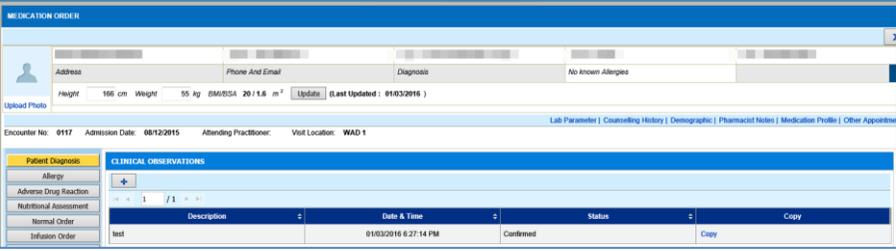


| Function Flow | Radiopharma Outsource in current Version 1.3.8 | Radiopharma Outsource in new Version 1.4.1 |
|---------------|--|--|
|---------------|--|--|

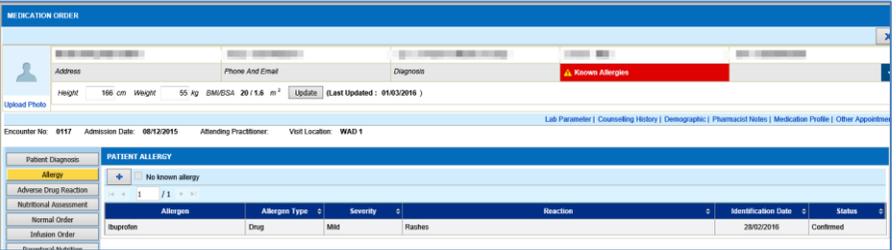
2. Diagnosis and Allergy

Facility A:

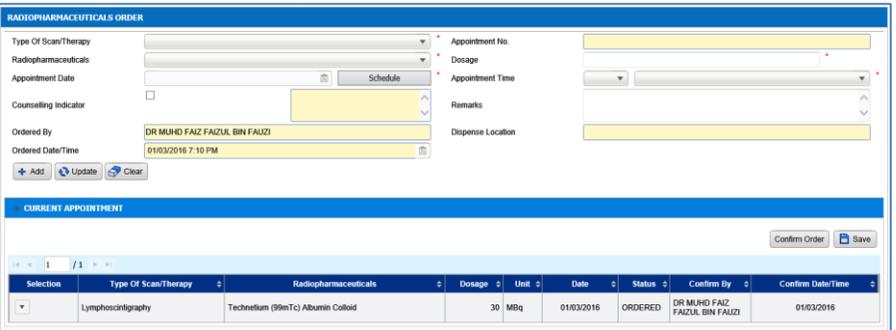
- Open medication order screen, add diagnosis record;



- Add allergy record;

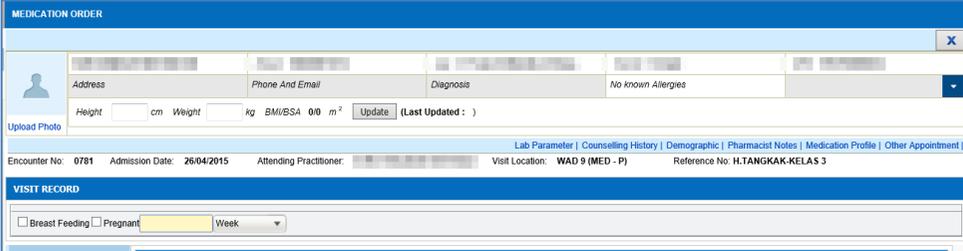


- Create new radiopharma order;



Facility A:

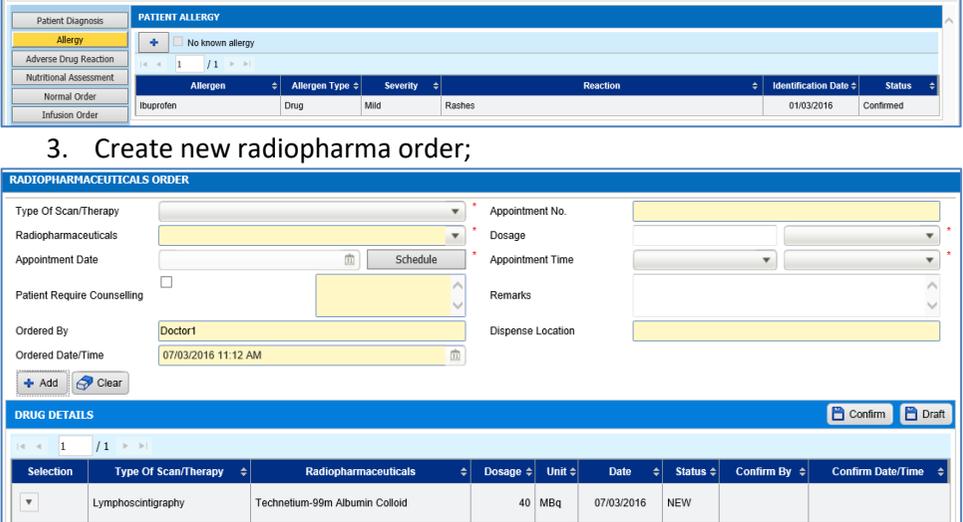
- Open medication order screen, add diagnosis record;



- Add allergy record;

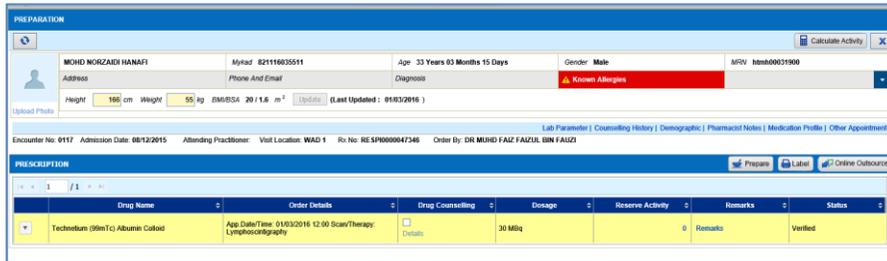


- Create new radiopharma order;

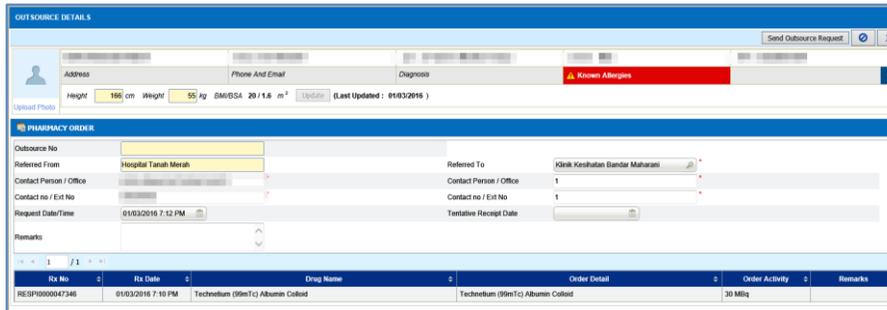


| Function Flow | Radiopharma Outsource in current Version 1.3.8 | Radiopharma Outsource in new Version 1.4.1 |
|---------------|--|--|
|---------------|--|--|

4. In Radiopharma Preparation screen, click on Online Outsource button;



5. In Outsource Form, fill in details and click Send Outsource Request button;



6. Successfully sent order to Facility B;

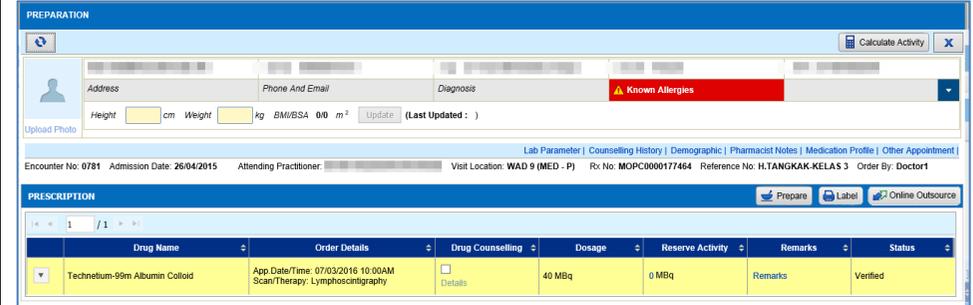


Facility B:

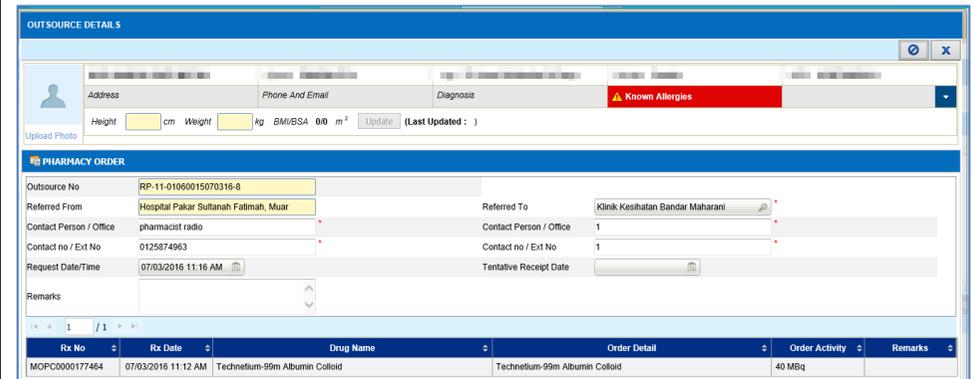
1. Open Outsource record from external notification section. Register the patient;



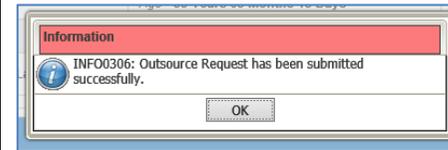
4. In Radiopharma Preparation screen, click on Online Outsource button;

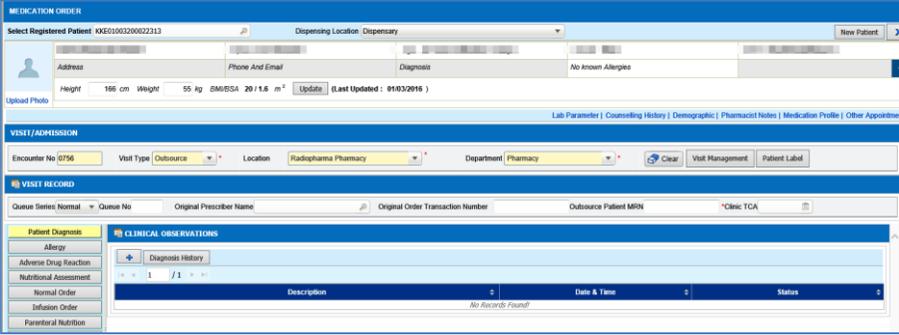
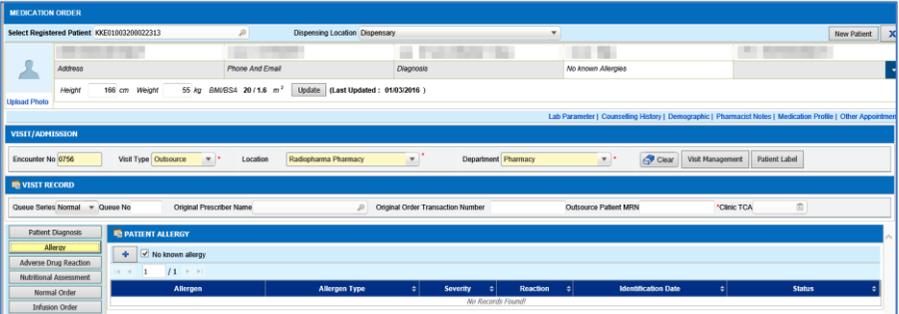
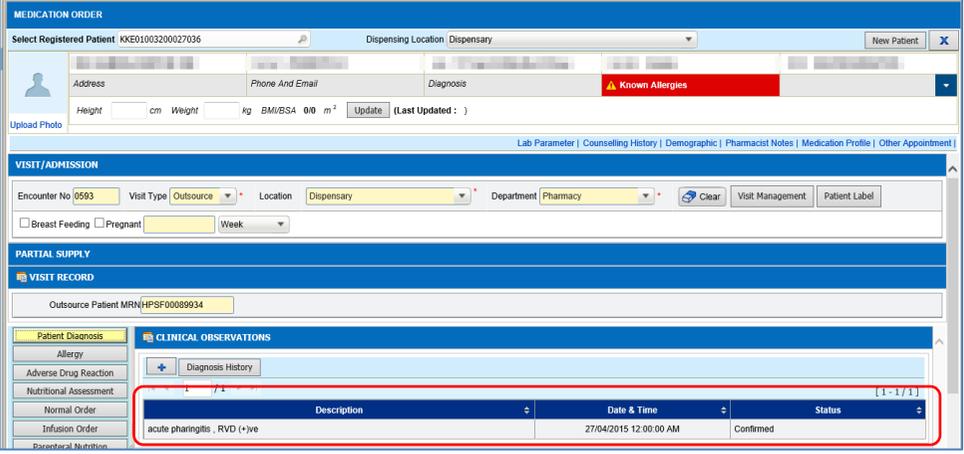


5. In Outsource Form, fill in details and click Send Outsource Request button;



6. Successfully sent order to Facility B;

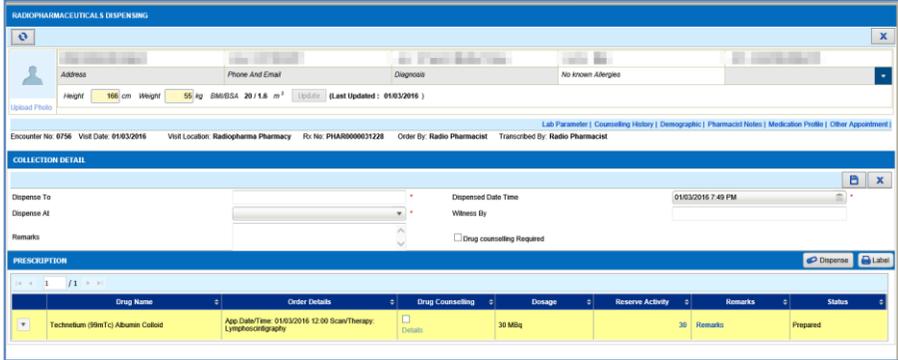
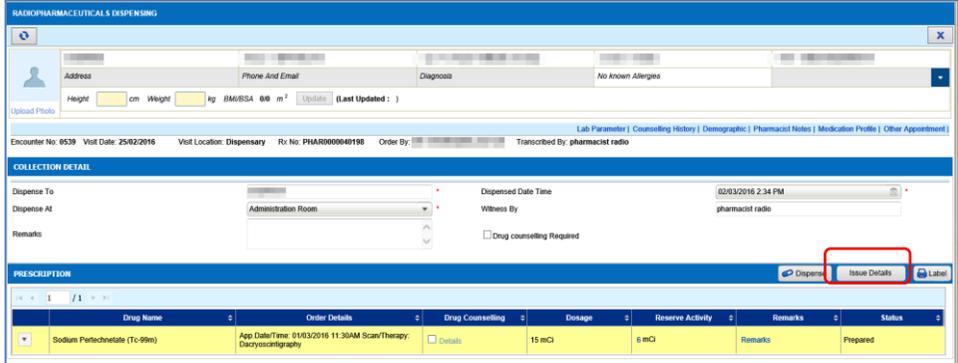
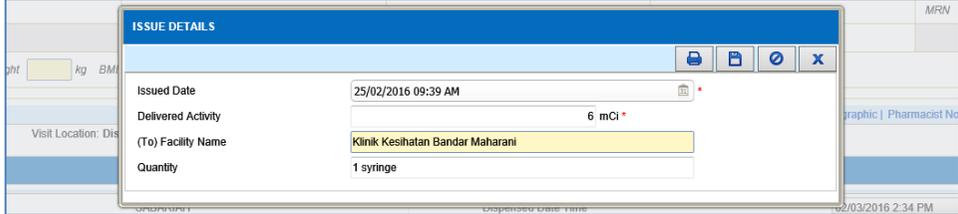


| Function Flow | Radiopharma Outsource in current Version 1.3.8 | Radiopharma Outsource in new Version 1.4.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|--|--|---------------------------------------|---------------------|------------------------|-----------------------|--------------|------------------------|----------|------------------------|------------|------|---------------------------------------|--------------------|--|------------|------------------------|------------|------|---------------------------------------|--------------------|--|------------|------------------------|------------|--------|---------------------------------------|---------------------|--|----------|
| | <p>2. Proceed with transcribe order screen, Patient Diagnosis from Facility A is not transferred to Facility B;</p>  <p>3. Patient Allergy from Facility A is not transferred to Facility B;</p>  | <p>Facility B:</p> <p>1. Open Outsource record from external notification section. Register the patient;</p>  <table border="1"> <thead> <tr> <th>Outsource No</th> <th>Patient Name</th> <th>Gender</th> <th>From(Hospital/Clinic)</th> <th>Request Date</th> <th>Tentative Receipt Date</th> <th>Register</th> </tr> </thead> <tbody> <tr> <td>RP-11-01060015250216-1</td> <td>[Redacted]</td> <td>Male</td> <td>Hospital Pakar Sultanah Fatimah, Muar</td> <td>25/02/2016 2:49 PM</td> <td></td> <td>Registered</td> </tr> <tr> <td>RP-11-01060015260216-2</td> <td>[Redacted]</td> <td>Male</td> <td>Hospital Pakar Sultanah Fatimah, Muar</td> <td>26/02/2016 3:35 PM</td> <td></td> <td>Registered</td> </tr> <tr> <td>RP-11-01060015070316-8</td> <td>[Redacted]</td> <td>Female</td> <td>Hospital Pakar Sultanah Fatimah, Muar</td> <td>07/03/2016 11:16 AM</td> <td></td> <td>Register</td> </tr> </tbody> </table> <p>2. Proceed with transcribe order screen, Patient Diagnosis from Facility A is transferred to Facility B;</p>  | Outsource No | Patient Name | Gender | From(Hospital/Clinic) | Request Date | Tentative Receipt Date | Register | RP-11-01060015250216-1 | [Redacted] | Male | Hospital Pakar Sultanah Fatimah, Muar | 25/02/2016 2:49 PM | | Registered | RP-11-01060015260216-2 | [Redacted] | Male | Hospital Pakar Sultanah Fatimah, Muar | 26/02/2016 3:35 PM | | Registered | RP-11-01060015070316-8 | [Redacted] | Female | Hospital Pakar Sultanah Fatimah, Muar | 07/03/2016 11:16 AM | | Register |
| Outsource No | Patient Name | Gender | From(Hospital/Clinic) | Request Date | Tentative Receipt Date | Register | | | | | | | | | | | | | | | | | | | | | | | | |
| RP-11-01060015250216-1 | [Redacted] | Male | Hospital Pakar Sultanah Fatimah, Muar | 25/02/2016 2:49 PM | | Registered | | | | | | | | | | | | | | | | | | | | | | | | |
| RP-11-01060015260216-2 | [Redacted] | Male | Hospital Pakar Sultanah Fatimah, Muar | 26/02/2016 3:35 PM | | Registered | | | | | | | | | | | | | | | | | | | | | | | | |
| RP-11-01060015070316-8 | [Redacted] | Female | Hospital Pakar Sultanah Fatimah, Muar | 07/03/2016 11:16 AM | | Register | | | | | | | | | | | | | | | | | | | | | | | | |



| Function Flow | Radiopharma Outsource in current Version 1.3.8 | Radiopharma Outsource in new Version 1.4.1 | | | | | | | | | | | | |
|---------------|--|--|----------|---------------------|-----------|----------|---------------------|--------|-----------|------|------|--------|------------|-----------|
| | | <p data-bbox="1249 256 1973 288">3. Patient Allergy from Facility A is transferred to Facility B;</p> <div data-bbox="1205 292 2168 738"><p>The screenshot displays the 'MEDICATION ORDER' interface for a patient with MRN HPSF00089934. The 'PATIENT ALLERGY' section is highlighted with a red box, showing a table of allergies:</p><table border="1"><thead><tr><th>Allergen</th><th>Allergen Type</th><th>Severity</th><th>Reaction</th><th>Identification Date</th><th>Status</th></tr></thead><tbody><tr><td>Ibuprofen</td><td>Drug</td><td>Mild</td><td>Rashes</td><td>01/03/2016</td><td>Confirmed</td></tr></tbody></table></div> | Allergen | Allergen Type | Severity | Reaction | Identification Date | Status | Ibuprofen | Drug | Mild | Rashes | 01/03/2016 | Confirmed |
| Allergen | Allergen Type | Severity | Reaction | Identification Date | Status | | | | | | | | | |
| Ibuprofen | Drug | Mild | Rashes | 01/03/2016 | Confirmed | | | | | | | | | |



| Function Flow | Radiopharma Outsource in current Version 1.3.8 | Radiopharma Outsource in new Version 1.4.1 |
|------------------|---|--|
| 3. Issue Details | <p><u>No Issue Details form in Dispensing screen</u></p>  | <p><u>Issue Details form in Dispensing screen</u></p> <ol style="list-style-type: none"> For order with Visit Type = Outsource (Online or Offline Outsource), when view the record in Dispensing screen, new 'Issue Details' button added:  <ol style="list-style-type: none"> Click on Issue Details button and screen as below is displayed:  |



| Function Flow | Radiopharma Outsource in current Version 1.3.8 | Radiopharma Outsource in new Version 1.4.1 | | | | | | | | | | | | |
|--|--|--|--|---|-----------------|-------|-----|-------------|----------|---------|---|--|-----------|--|
| | | <p>3. Fill in Issue Details and click on Print button, form as below will display in PDF:</p> <div style="border: 1px solid black; padding: 10px;"> <p style="text-align: center;">KEMENTERIAN KESIHATAN MALAYSIA Klinik Kesihatan Bandar Maharani TRANSPORTATION OF RADIOACTIVE MATERIALS</p> <p>Date : 25/02/2016 09:39 AM Ref.No : MRN : ID NO : Patient Name :</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">From : Jabatan Perubatan Klinik Kesihatan Bandar Maharani Johor</td> <td style="width: 50%;">To : Jabatan Perubatan Hospital Pakar Sultanah Fatimah, Muar Johor</td> </tr> <tr> <td>Tel : 069539729</td> <td>Tel :</td> </tr> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">No.</th> <th style="width: 70%;">Description</th> <th style="width: 10%;">Quantity</th> <th style="width: 15%;">Remarks</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Product Name : Sodium Pertechnetate (Tc-99m) Radioactivity : 6 mCi Volume : 0,3 ml Time : 2:35 PM</td> <td style="text-align: center;">1 syringe</td> <td></td> </tr> </tbody> </table> <p>Acknowledgement of Delivered: I/We hereby confirm that the good as described above are delivered in good order and conditions</p> <p>..... (Signature and Company Chop)</p> <p>Name: Certified by I.C. No: Date: Time: ()</p> <p>Acknowledgement of Received: I/We hereby confirm that the good as described above are delivered in good order and conditions</p> <p>..... (Signature and Company Chop)</p> <p>Name: Certified by I.C. No: Date: Time: ()</p> </div> | From : Jabatan Perubatan Klinik Kesihatan Bandar Maharani Johor | To : Jabatan Perubatan Hospital Pakar Sultanah Fatimah, Muar Johor | Tel : 069539729 | Tel : | No. | Description | Quantity | Remarks | 1 | Product Name : Sodium Pertechnetate (Tc-99m) Radioactivity : 6 mCi Volume : 0,3 ml Time : 2:35 PM | 1 syringe | |
| From : Jabatan Perubatan Klinik Kesihatan Bandar Maharani Johor | To : Jabatan Perubatan Hospital Pakar Sultanah Fatimah, Muar Johor | | | | | | | | | | | | | |
| Tel : 069539729 | Tel : | | | | | | | | | | | | | |
| No. | Description | Quantity | Remarks | | | | | | | | | | | |
| 1 | Product Name : Sodium Pertechnetate (Tc-99m) Radioactivity : 6 mCi Volume : 0,3 ml Time : 2:35 PM | 1 syringe | | | | | | | | | | | | |