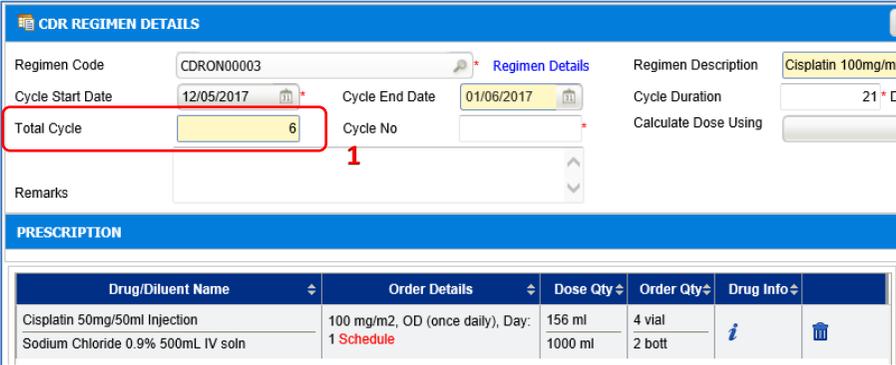
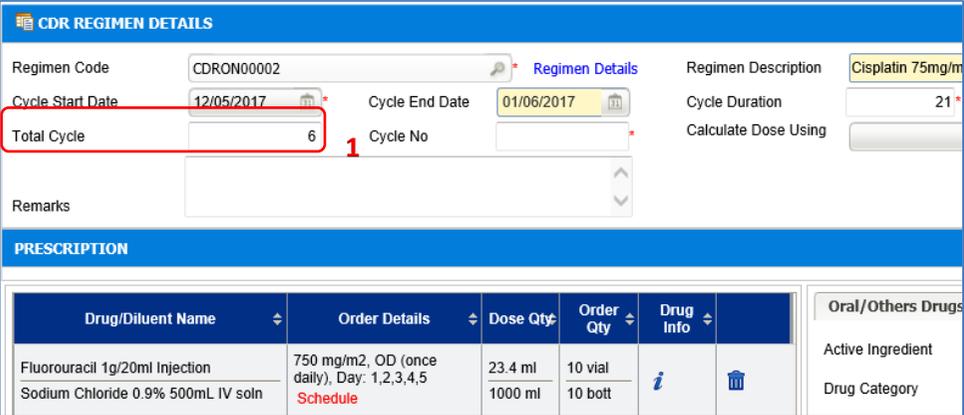
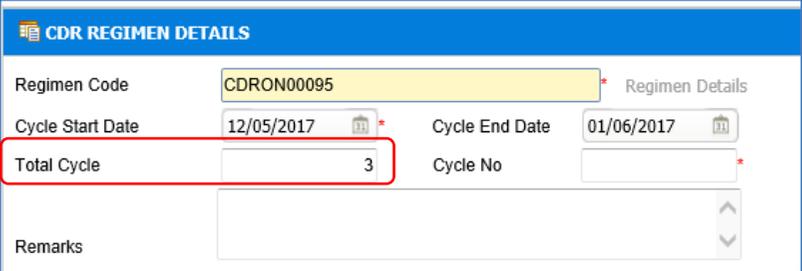


Proposed Solution

No.	Ticket #	Description	Requests	Proposed Solution
1.	I-PHIS01275 6015S (H.Tawau)	<u>CDR - CDR Regimen Details</u> User request to enable the total cycle to be change. Currently it is fixed, therefore user suggest to make it editable as it may differ based on patient.	To allow user edit Total Cycle.	1. To allow prescriber/transcriber edit Total Cycle. Default value from HQ. Check if same cycle as previous, to copy total cycle from previous cycle.
2.	I-PHIS01343 2816S (H.Kulim)	<u>Renew RX - Unable to proceed as show error</u> User reported when do renew rx from CDR Cycle History, ends up with error and cannot proceed for next stage.	To allow new CDR order even when previous cycle still active.	2. Allow duplicate Cycle Date when prescribing same regimen for different cycle. Display alert message but user can proceed.
3.	I-PHIS01252 0515S (H.Kulim)	<u>CDR - Request to validate the cycle date by time</u> Request to validate the cycle start date and cycle end date by time, so that it will expired according to TIMES & DATES as per current practice for CDR patients, so we can set 1st cycle end 8am same day, 2nd cycle start 805am same day.	To validate cycle by date and time.	
4.	I-PHIS01394 0816S (H.Sibu)	<u>CDR Transcribe Order - Unable to transcribe order, Cycle End Date not end yet</u> User inform he unable to transcribe order due to error "regiment is active in the previous medication" appear.	To allow new CDR order even when previous cycle still active.	
5.	I-PHIS01588 4416S (H.Miri))	<u>CDR order - Request able to order same drug before cycle end date</u> User request able to order same drug before cycle end date. For now, user inform unable to order same drug if cycle not complete yet.	To allow new CDR order even when previous cycle still active.	



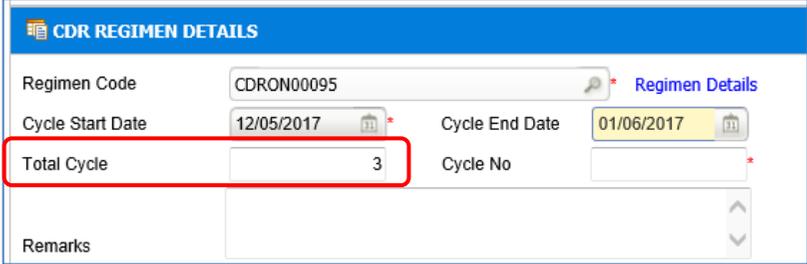
6.	I-PhIS01213 8715S (HPSF)	<u>CDR - Add function stop and renew at CDR screen</u> User request to stop and renew CDR drug during active at Medication Order for CDR order screen for example like medication order normal order.	To add stop and renew function.	3. Add function stop and renew at CDR screen.
7.	I-PhIS01290 7715S (HPSF)	<u>CDR Prescription- Include cycle number and total cycle in CDR Order Prescription hardcopy report</u> User request to include cycle number and total cycle in CDR Order Prescription hardcopy report.	To add Cycle Number and Total Cycle in printed prescription	4. To include cycle number, total cycle, cycle duration in CDR Order Prescription hardcopy report.
8.	I-PhIS01582 3816S (HPSF)	<u>CDR Order - prescription doesn't show needed total cycle</u> Screen shows ordered has been made. Regime folfiri, total cycle 12, cycle duration 14 dan current cycle no 2. Prescription doesn't shows needed total cycle, current cycle and cycle duration.	To add Total Cycle, Cycle No and Cycle Duration in printed prescription	

Function Flow	CDR Medication Order/Record Prescription in current Version 1.5	CDR Medication Order/Record Prescription in new Version 1.6
<p>1.Total Cycle</p>	<ul style="list-style-type: none"> Total Cycle (1) is default from CDR Regimen as setup in IWP and not editable: 	<ul style="list-style-type: none"> Allow to edit Total Cycle (1) field: <ul style="list-style-type: none"> Total Cycle is mandatory to Confirm order Default value for Total Cycle is based on: <ol style="list-style-type: none"> If use renew function from Cycle History, to copy the selected regimen Total Cycle value   



Function Flow	CDR Medication Order/Record Prescription in current Version 1.5	CDR Medication Order/Record Prescription in new Version 1.6																																
		<p>2. If not using renew function, on selection of Regimen, system will check if the regimen prescribed previously (Medication Order - Status not draft/cancel/stop/discontinue and take the cycle where the confirm date is closest to current date), system will copy the Total Cycle value from that cycle.</p> <p>Example: Regimen A – Confirm date 1/5, cycle 1, Total cycle = 5 Regimen B – Confirm date 2/5, cycle 2, Total cycle = 1 Regimen A – Confirm date 30/5, cycle 2, Total cycle = 5 When prescribe Regimen A, cycle 1 and Regimen B (not using renew), total cycle <u>directly take default from CDR Regimen maintenance since no previous cycle prescribed.</u> When prescribe Regimen A, cycle 2 (not using renew) to copy previous total cycle, since there is previous order made for the same regimen.</p> <p>Example by screen: Patient is prescribed with below regimens,</p> <table border="1" data-bbox="1211 943 2168 1219"> <thead> <tr> <th colspan="8">CDR CYCLE HISTORY</th> </tr> <tr> <th></th> <th>Regimen Code</th> <th>Regimen Name</th> <th>Cycle Start Date</th> <th>Cycle End Date</th> <th>Cycle Duration</th> <th>Total Cycle</th> <th>Cycle No</th> </tr> </thead> <tbody> <tr> <td>+</td> <td>CDRON00006</td> <td>Carboplatin + 5FU + FA</td> <td>12/05/2017</td> <td>01/06/2017</td> <td>21 Days</td> <td>4</td> <td>1</td> </tr> <tr> <td>+</td> <td>CDRON00095</td> <td>Cisplatin + Methotrexate (MTX)</td> <td>12/05/2017</td> <td>01/06/2017</td> <td>21 Days</td> <td>3</td> <td>1</td> </tr> </tbody> </table> <p>When create new prescription record, when select same regimen as previously ordered, system will copy the last same regimen prescribed Total Cycle value.</p>	CDR CYCLE HISTORY									Regimen Code	Regimen Name	Cycle Start Date	Cycle End Date	Cycle Duration	Total Cycle	Cycle No	+	CDRON00006	Carboplatin + 5FU + FA	12/05/2017	01/06/2017	21 Days	4	1	+	CDRON00095	Cisplatin + Methotrexate (MTX)	12/05/2017	01/06/2017	21 Days	3	1
CDR CYCLE HISTORY																																		
	Regimen Code	Regimen Name	Cycle Start Date	Cycle End Date	Cycle Duration	Total Cycle	Cycle No																											
+	CDRON00006	Carboplatin + 5FU + FA	12/05/2017	01/06/2017	21 Days	4	1																											
+	CDRON00095	Cisplatin + Methotrexate (MTX)	12/05/2017	01/06/2017	21 Days	3	1																											



Function Flow	CDR Medication Order/Record Prescription in current Version 1.5	CDR Medication Order/Record Prescription in new Version 1.6
		 <p>CDR REGIMEN DETAILS</p> <p>Regimen Code: CDRON00095 Regimen Details</p> <p>Cycle Start Date: 12/05/2017 Cycle End Date: 01/06/2017</p> <p>Total Cycle: 3 Cycle No: </p> <p>Remarks:</p>

Function Flow	CDR Medication Order/Record Prescription in current Version 1.5	CDR Medication Order/Record Prescription in new Version 1.6
<p>2. Duplicate regimen</p>	<ul style="list-style-type: none"> Alert below is displayed (when confirm order) if the current cycle date is within existing regimen cycle start date and end date. User is not allowed to proceed. 	<ul style="list-style-type: none"> When regimen is prescribed (using renew function or not using renew function) with current cycle date is within existing regimen cycle date, previous alert message is replaced with below alert:  <ol style="list-style-type: none"> If selects 'Stop active cycle and continue': <ol style="list-style-type: none"> System will update all status for all drugs within the active regimen to 'Cancelled' when previous medication order status is 'Ordered' System will update all status for all drugs within the active regimen to 'Stop' when previous medication order status is 'In Progress, Partially Dispensed'. If allocation batch already done, to release the allocated batch. System will update all status for all drugs within the regimen to 'Stop' when previous medication order status is 'Dispensed' without release batch. Remain user selection in current CDR order screen, cycle start date default to current date and user can proceed with ordering new regimen cycle. If user selects 'Continue without stopping active cycle': No action executed, remain user selection, cycle start date default to current date and user can proceed with ordering duplicate/overlap CDR medication. If user click Close button without selecting 'Stop active cycle and continue' or 'Continue without stopping active cycle': No action executed, clear user selection in Regimen Code field.



Function Flow	CDR Medication Order/Record Prescription in current Version 1.5	CDR Medication Order/Record Prescription in new Version 1.6																																																
3.CDR Prescription	<ul style="list-style-type: none"> Current Prescription: <div style="border: 1px solid black; padding: 5px;"> <p style="text-align: center;">Ministry of Health, Malaysia KK Greentown Cytotoxic Drug Reconstitution</p> <p>Patient Name : ██████████ Patient ID : ██████████ Age : 74 Y 0 M 4 D MRN : ██████████ Gender : Male Prescription # : OPDC0000426046 Height/Weight/BSA : 155 cm / 55 kg / 1.56 m² Order Date/Time : 12/05/2017 05:00 PM Allergy : Location : OPD CLINIC</p> <p>Diagnosis : Regimen Code : CDRON00095 Regimen Description : Cisplatin + Methotrexate(MTX) Cycle Start Date : 12/05/2017</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Route</th> <th>Drug Name</th> <th>Dosage</th> <th>Total Dose</th> <th>Diluent</th> <th>Diluent Vol</th> <th>Frequency</th> <th>Chemo Day</th> </tr> </thead> <tbody> <tr> <td>INF</td> <td>Cisplatin</td> <td>50 mg/m²</td> <td>78 mg</td> <td>Sodium Chloride 0.9% 500mL IV soln</td> <td>500 ml</td> <td>OD (once daily)</td> <td>1</td> </tr> <tr> <td>IVSB</td> <td>Methotrexate</td> <td>100 mg/m²</td> <td>156 mg</td> <td></td> <td></td> <td>OD (once daily)</td> <td>1</td> </tr> </tbody> </table> <p>Prescribed By : DR. ██████████ Designation : Pegawai Perubatan Department : Outpatient</p> </div>	Route	Drug Name	Dosage	Total Dose	Diluent	Diluent Vol	Frequency	Chemo Day	INF	Cisplatin	50 mg/m ²	78 mg	Sodium Chloride 0.9% 500mL IV soln	500 ml	OD (once daily)	1	IVSB	Methotrexate	100 mg/m ²	156 mg			OD (once daily)	1	<ul style="list-style-type: none"> Updated prescription: <p>Display Cycle Duration, Total Cycle and Current Cycle.</p> <div style="border: 1px solid black; padding: 5px;"> <p style="text-align: center;">Ministry of Health, Malaysia Hospital Pakar Sultanah Fatimah, Muar Cytotoxic Drug Reconstitution</p> <p>Patient Name : ██████████ Patient ID : ██████████ Age : 5 Y 2 M 2 D MRN : ██████████ Gender : Female Prescription # : MOPC0000875096 Height/Weight/BSA : 155 cm / 55 kg / 1.56 m² Order Date/Time : 12/05/2017 05:05 PM Allergy : Location : KLINIK PAKAR PERUBATAN</p> <p>Diagnosis : Regimen Code : CDRON00002 Regimen Description : Cisplatin 75mg/m² + 5FU 750mg/m², 5days Cycle Start Date : 12/05/2017</p> <p style="border: 2px solid red; padding: 2px;">Cycle Duration : 21 Days Total Cycle : 6 Current Cycle : 1</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Route</th> <th>Drug Name</th> <th>Dosage</th> <th>Total Dose</th> <th>Diluent</th> <th>Diluent Vol</th> <th>Frequency</th> <th>Chemo Day</th> </tr> </thead> <tbody> <tr> <td>INF</td> <td>Cisplatin</td> <td>75 mg/m²</td> <td>117 mg</td> <td>Sodium Chloride 0.9% 500mL IV soln</td> <td>500 ml</td> <td>OD (once daily)</td> <td>1</td> </tr> <tr> <td>INF</td> <td>Fluorouracil</td> <td>750 mg/m²</td> <td>1170 mg</td> <td>Sodium Chloride 0.9% 500mL IV soln</td> <td>1000 ml</td> <td>OD (once daily)</td> <td>1,2,3,4,5</td> </tr> </tbody> </table> <p>Prescribed By : ██████████ Designation : Pegawai Perubatan Pelatih Department : Paediatric Medicine</p> </div>	Route	Drug Name	Dosage	Total Dose	Diluent	Diluent Vol	Frequency	Chemo Day	INF	Cisplatin	75 mg/m ²	117 mg	Sodium Chloride 0.9% 500mL IV soln	500 ml	OD (once daily)	1	INF	Fluorouracil	750 mg/m ²	1170 mg	Sodium Chloride 0.9% 500mL IV soln	1000 ml	OD (once daily)	1,2,3,4,5
Route	Drug Name	Dosage	Total Dose	Diluent	Diluent Vol	Frequency	Chemo Day																																											
INF	Cisplatin	50 mg/m ²	78 mg	Sodium Chloride 0.9% 500mL IV soln	500 ml	OD (once daily)	1																																											
IVSB	Methotrexate	100 mg/m ²	156 mg			OD (once daily)	1																																											
Route	Drug Name	Dosage	Total Dose	Diluent	Diluent Vol	Frequency	Chemo Day																																											
INF	Cisplatin	75 mg/m ²	117 mg	Sodium Chloride 0.9% 500mL IV soln	500 ml	OD (once daily)	1																																											
INF	Fluorouracil	750 mg/m ²	1170 mg	Sodium Chloride 0.9% 500mL IV soln	1000 ml	OD (once daily)	1,2,3,4,5																																											