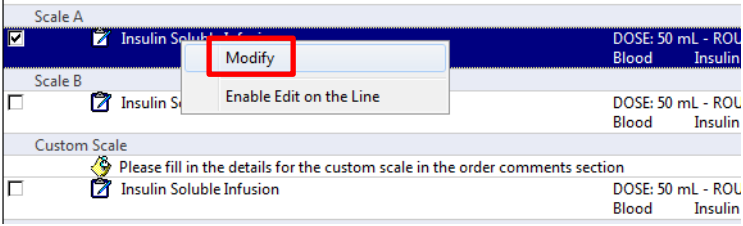
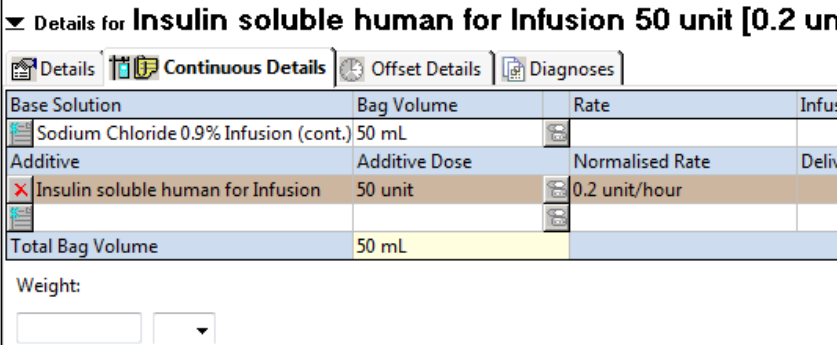
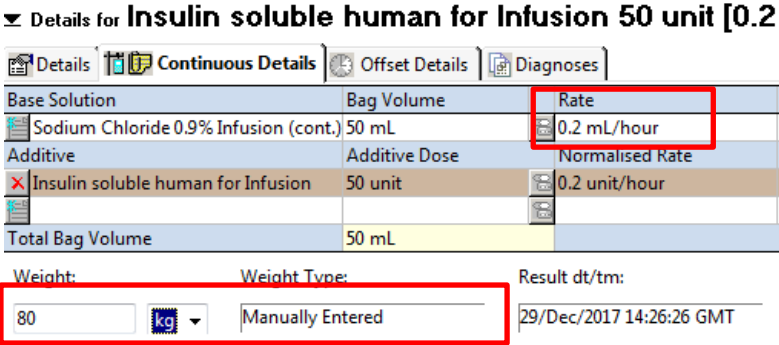
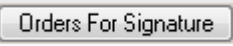


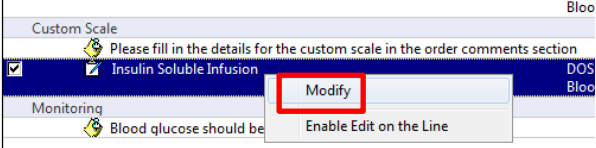

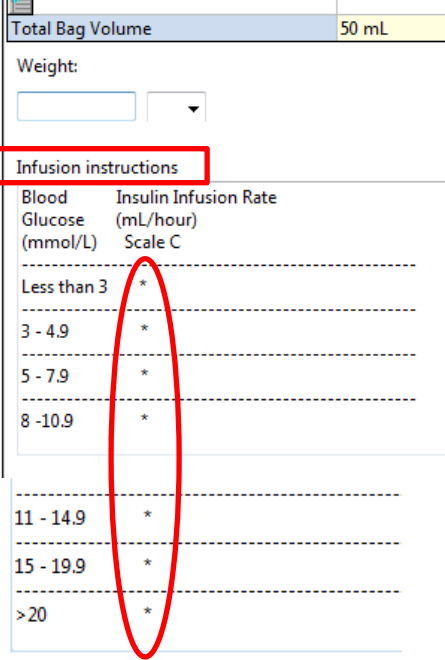
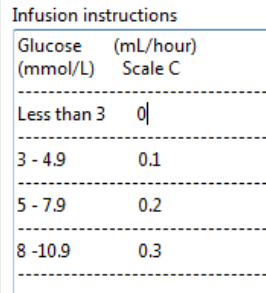


QRG – Ordering a variable rate intravenous insulin infusion (VRIII, Sliding Scale)																																		
No.	Action	Responsibility																																
1.	<p>From the Request / Care Plans tab in PowerChart click on +Add and type in “variable rate”</p>	Doctor / NMP																																
2.	<p>Click on the Powerplan and select to open the plan</p>	Doctor / NMP																																
3.	<p>Select one of the scales by ticking the insulin order</p> <p>The details of Glucose levels and correlating infusion rate are shown in the PowerPlan as below, but are also visible when the individual order is selected and modified.</p> <table border="1"> <thead> <tr> <th>Blood Glucose (mmol/L)</th> <th>Scale A Infusion Rate (mL/hour)</th> <th>Scale B Infusion Rate (mL/hour)</th> <th>Scale C Infusion Rate (mL/hour)</th> </tr> </thead> <tbody> <tr> <td>Less than 3</td> <td>0.2</td> <td>0.5</td> <td></td> </tr> <tr> <td>3 - 4.9</td> <td>0.5</td> <td>1.0</td> <td></td> </tr> <tr> <td>5 - 7.9</td> <td>1.0</td> <td>2.0</td> <td></td> </tr> <tr> <td>8 - 10.9</td> <td>2.0</td> <td>3.0</td> <td></td> </tr> <tr> <td>11-14.9</td> <td>3.5</td> <td>4.5</td> <td></td> </tr> <tr> <td>15- 19.9</td> <td>5.0</td> <td>6.0</td> <td></td> </tr> <tr> <td>Greather than 20</td> <td>6.0</td> <td>8.0</td> <td></td> </tr> </tbody> </table> <p>Scale A <input type="checkbox"/> Insulin Soluble Infusion DOSE: 50 n Blood</p> <p>Scale B <input type="checkbox"/> Insulin Soluble Infusion DOSE: 50 n Blood</p> <p>Custom Scale <input type="checkbox"/> Please fill in the details for the custom scale in the order comments section Insulin Soluble Infusion DOSE: 50 n Blood</p> <p>Monitoring Blood glucose should be monitored hourly</p>	Blood Glucose (mmol/L)	Scale A Infusion Rate (mL/hour)	Scale B Infusion Rate (mL/hour)	Scale C Infusion Rate (mL/hour)	Less than 3	0.2	0.5		3 - 4.9	0.5	1.0		5 - 7.9	1.0	2.0		8 - 10.9	2.0	3.0		11-14.9	3.5	4.5		15- 19.9	5.0	6.0		Greather than 20	6.0	8.0		Doctor / NMP
Blood Glucose (mmol/L)	Scale A Infusion Rate (mL/hour)	Scale B Infusion Rate (mL/hour)	Scale C Infusion Rate (mL/hour)																															
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11-14.9	3.5	4.5																																
15- 19.9	5.0	6.0																																
Greather than 20	6.0	8.0																																

<p>4.</p>	<p>IMPORTANT</p> <p>The system requires a weight for this order to be complete.</p> <ul style="list-style-type: none"> If a measured weight has already been entered in the patient's record under assessments / Fluid Balance > Adult Assessments > Measurements, this will automatically populate the insulin infusion order and no further input is required from the prescriber. Continue with step 6. If no measured weight has been entered, this needs to be added manually in the order. Please note that this will not pull through to the Assessments / Fluid Balance screen or any other order. <p>To manually enter a weight, select the insulin order by setting a tick next to it and then right-click on the Insulin order to open the order details</p> 	<p>Doctor / NMP</p>
<p>5.</p>	<p>Enter the weight manually (in kg) – only required if a measure weight has not been documented yet</p>  <p>Once the weight has been entered, the rate will display.</p> 	<p>Doctor / NMP</p>
<p>6.</p>	<p>Click </p>	<p>Doctor / NMP</p>

7.	<p>If at this point something was missing from one of the orders (for example a weight), then this would be denoted with  next to the orderable. Orders can only be signed, once all required fields have been completed. To do so, click on the medication with the  symbol and complete details.</p>	Doctor / NMP
8.	<p>Please note that a rate is required for the order to be signed and therefore a default value has been entered. This value does not need to be amended by the prescriber. Nurses / midwives will adjust the administered insulin rate based on BMs as per policy and will document this accordingly.</p>	Doctor / NMP
9.	<p>If a custom sliding scale is required, tick “Insulin Soluble Infusion” under Custom Scale. Then right-click and select “modify”. This will open the order details.</p> 	Doctor / NMP
10.	<p>The blank sliding scale is under “Infusion instructions”. To specify the custom sliding scale, replace the asterisks (*) with the appropriate values and then click </p>  <p>For example:</p> 	Doctor / NMP

11.

Hovering over the order details will show the sliding scale table.

Doctor / NMP

Order Name: RD8-GH Ward 18; Bay A; 02 Fin#:3611158 Admit: 02/Nov/2017 11:59 GMT

Order: 29/Dec/2017 15:03 GMT

DOSE: 50 mL - ROUTE: intraVENOUS - infusion - RATE: 0.2 mL/hour - INFUSE OVER: 250 hours - Call Blood Insulin Infusion Rate Glucose (mL/hour) (mmol/L) Scale A

Insulin soluble human for Infusion 50 unit [0.2 unit/hour] + Sodium Chloride 0.9% Infusion (cont.) 50 mL

Details:
DOSE: 50 mL - ROUTE: intraVENOUS - infusion - RATE: 0.2 mL/hour - INFUSE OVER: 250 hours - Call doctor if Blood Glucose <3 or >20 - START: 29/Dec/17 15:03 GMT

Order Comment:
Blood Insulin Infusion Rate
Glucose (mL/hour) (mmol/L) Scale A

Glucose (mmol/L)	Insulin Infusion Rate (mL/hour)
Less than 3	0.2
3 - 4.9	0.5
5 - 7.9	1.0
8 - 10.9	2.0
11 - 14.9	3.5
15 - 19.9	5.0
>20	6.0

Review and click



12.

Navigate to Drug Chart and confirm that the order displays correctly. Hovering over the order will again show the order details and the sliding scale table

Doctor / NMP

Drug Chart

- Task List
- Assessments/Fluid Balance
- Clinical Notes
- Allergies + Add
- Problems and Diagnoses
- Form Browser
- Histories
- Documentation + Add
- Patient Information
- Appointments
- Drug Chart Summary
- Procedures and Diagnoses
- Medication Supply
- HIE Community View
- Perioperative Doc
- Quick Orders

PRN
Continuous/Titratable
Future
Discontinued Scheduled
Discontinued Unscheduled
Discontinued PRN
Discontinued Continuous/Titra

Insulin soluble human for Infusion 50 unit [0.2 unit/hour] + Sodium Chloride 0.9% Infusion (cont.) 50 mL

DOSE: 50 mL - ROUTE: intraVENOUS - infusion - RATE: 0.2 mL/hour - INFUSE OVER: 250 hours - Call doctor if Blood Glucose <3 or >20 - START: 29/Dec/17 15:03:00 GMT

Administration Information:
Blood Insulin Infusion Rate
Glucose (mL/hour) (mmol/L) Scale A

Glucose (mmol/L)	Insulin Infusion Rate (mL/hour)
Less than 3	0.2
3 - 4.9	0.5
5 - 7.9	1.0
8 - 10.9	2.0
11 - 14.9	3.5
15 - 19.9	5.0
>20	6.0

13.

In order to **view** sections of the plan that have not been ordered, and to **order items later on from the same plan**, navigate to the Request / Care Plans tab in PowerChart. As a default, only items ordered off the plan will display. Click on the light-bulb to expand the view to the whole plan (including items not ordered and general information).

Doctor / NMP

14.

Obstetrics View
Newborn Summary
Results Review
Requests/Care Plans + Add
Drug Chart
Task List
Assessments/Fluid Balance
Clinical Notes
Allergies + Add
Problems and Diagnoses
Form Browser
Histories

Orders Document in Plan

View

Orders for Signature

- Plans
 - Document in Plan
 - Medical
 - Insulin DKA (Initiated)
 - ED TTO packs (Completed)
 - Ward 1 TTO packs (Completed)
- Suggested Plans (3)
 - Orders
 - Non Categorised
 - Diet
 - Patient Care
 - Continuous
 - Medications

Insulin DKA (Initiated) 19/Mar/2018 16:18 GMT
Last updated on: 19/Mar/2018 16:18 GMT by: Test, ClinPrac01

+ Add to Phase - Comments Start: 19/Mar/2018 16:18 GMT

Offset Component

Insulin DKA (Initiated)

Continuous

General

- Referral to Diabetic Nurse

Monitoring

- Potassium level, blood

Prescribing

- Sodium Chloride 0.9% Infusion 500 mL
- +15 min Sodium Chloride 0.9% Infusion 500 mL
- +30 min Sodium Chloride 0.9% Infusion 500 mL

Start: 19/Mar/2018 16:18 GMT Stop: None

Offset Component Status Details

Insulin DKA (Initiated) 19/Mar/2018 16:18 GMT
Last updated on: 19/Mar/2018 16:18 GMT by: Test, ClinPrac01

Patient Care

- Blood Glucose POC

Continuous

Diagnosis

- Venous Blood Glucose > 11 mmol/L
Blood Ketones > 3 mmol/L
Acidosis: pH < 7.3 or / and Venous Bicarbonate < 15 mmol/L

If you are unsure of diagnosis please refer to Diabetes - intravenous insulin pathway selection plan.

General

- Severity Criteria - Consider HDU/ITU admission if:
Ketones > 6 mmol/L
Bicarbonate < 5 mmol/L
pH < 7.1
Potassium < 3.5 mmol/L
GCS < 12
Systolic BP < 90 mmHg
Heart Rate > 100 or < 60 bpm
Oxygen Saturation < 92%
- All patients presenting with DKA MUST be referred to the Diabetes Team
- Referral to Diabetic Nurse Ordered 19/Mar/18 16:18:00 GMT, DKA, Urgent

Monitoring

- pH, Potassium, and Bicarbonate are monitored 2 hourly for the first 6 hours and then at 8 and 12 hours
- Potassium level, blood Ordered Bleep/tel no.: 1234, Coll priority: Urgent, Collection DT/TM: 19/Mar/18 16:18:0 (Awaiting Co...
- Bicarbonate level, blood
- Blood Glucose, Ketones - use "Glucose (point of care)" order, Urine Output and GCS is monitored hourly
- Glucose level, blood
- Gas analysis, blood
- Vital Signs Adult

Prescribing

- Do not stop Long Acting Insulin (e.g. Levemir / Lantus / Tresiba)
- Insulin Soluble Fixed Rate Infusion DOSE: 50 mL - ROUTE: intraVENOUS - infusion
- Stopping fixed rate insulin infusion once DKA has resolved:

Doctor /
NMP

15.

If required, select items that need to be ordered from the plan by putting a tick in the respective box (see step 3). If additional details need to be completed, see step 9.

Click and then click

Doctor /
NMP