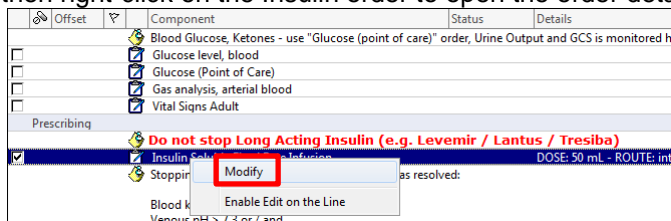| QRG – Ordering a HHS protocol		
No.	Action	Responsibility
1.	From the Requests / Care Plans tab in PowerChart click on +Add and type in "HHS"	Doctors / NMP
2.	Click on the Powerplan and select **Done** to open the plan	Doctors / NMP
3.	Select any orders you want for your patient by ticking the boxes (monitoring, insulin, fluids). Note that the referral to the diabetes nurses has already been pre-ticked and will automatically be requested for any patient on the HHS pathway.	Doctors / NMP

4.	Tick the box for Insulin Soluble Fixed Rate Infusion to order the insulin infusion at 0.05 kg/unit/hour.	Doctors / NMP
	IMPORTANT:	
	Note that the system requires a **weight** to calculate the infusion rate.	
	• 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 the rate will be calculated. Continue with step 6.	
	• If no measured weight has been entered, this can be added manually in the order. Please note that this will not pull through to the Assessments / Fluid Balance screen or any other order.	
	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	
5.	Enter the weight manually (in kg)	Doctors / NMP
	A rate will calculate using the manually entered weight.	
	Minimise the order details to continue with selecting other items of the plan, such as fluids by clicking on the down arrow	

6.	Select appropriate potassium / fluid replacement.	Doctors / NMP

POTASSIUM REPLACEMENT

Aim to maintain between 4.0 and 5.0 mmol/L

Over 5.5 mmol/L	Nil replacement needed
3.5 - 5.5 mmol/L	40 mmol/L
Below 3.5 mmol/L	Senior Review Needed

First bag:
- ☐ Sodium chloride 0.9% (Sodium Chloride 0.9% Infusion) — DOSE: 1,000

Second bag (choose either sodium chloride or potassium containing bag):
- ☐ Sodium chloride 0.9% (Sodium Chloride 0.9% Infusion) — DOSE: 1,000
- ☐ High Alert Potassium chloride + Sodium chloride — DOSE: 1,000
  (Potassium Chloride 40mmol with Sodium Chlorid...)

Third bag (choose either sodium chloride or potassium containing bag):
- ☐ Sodium chloride 0.9% (Sodium Chloride 0.9% Infusion) — DOSE: 1,000
- ☐ High Alert Potassium chloride + Sodium chloride — DOSE: 1,000
  (Potassium Chloride 40mmol with Sodium Chlorid...)

Fourth bag (choose either sodium chloride or potassium containing bag):
- ☐ Sodium chloride 0.9% (Sodium Chloride 0.9% Infusion) — DOSE: 1,000
- ☐ High Alert Potassium chloride + Sodium chloride — DOSE: 1,000
  (Potassium Chloride 40mmol with Sodium Chlorid...)

Fifth bag (choose either sodium chloride or potassium containing bag):
- ☐ Sodium chloride 0.9% (Sodium Chloride 0.9% Infusion) — DOSE: 1,000
- ☐ High Alert Potassium chloride + Sodium chloride — DOSE: 1,000
  (Potassium Chloride 40mmol with Sodium Chlorid...)

Sixth bag (choose either sodium chloride or potassium containing bag):

IMPORTANT
Please note that when sequential bags of fluids are ordered, starting times /offset needs to be entered. If for example an initial bag of Sodium Chloride 0.9% 1000mL over 1 hour, followed by a second bag of Sodium Chloride 0.9% 1000mL over 2 hours is to be ordered, the 2nd bag will have to have an off-set of 1 hour entered for it to start after the 1st bag has finished.

First bag:
- ☑ Sodium chloride 0.9% (Sodium Chloride 0.9% Infusion) — DOSE: 1,000 mL - R(

Second bag (choose either with or without potassium):
- ☐ Sodium chloride 0.9% (Sodium Chloride 0.9% Infusion) — DOSE: 1,000 mL - R(
- ☑ +1 hr Potassium Chloride 0.3% (40mmol in 1,000mL) + **DOSE: 1,000 mL - I**
  Sodium Chloride 0.9% Infusion 1,000 mL

Third bag (choose either with or without potassium):
- ☐ Sodium chloride 0.9% (Sodium Chloride 0.9% Infusion) — DOSE: 1,000 mL - R(
- ☐ Potassium chloride + Sodium chloride (Potassium — DOSE: 1,000 mL - R(
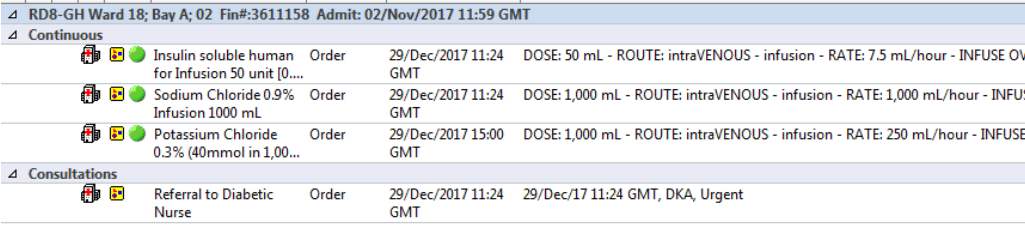 Chloride 0.3% (40mmol in 1,000mL) + Sodium Chlori...
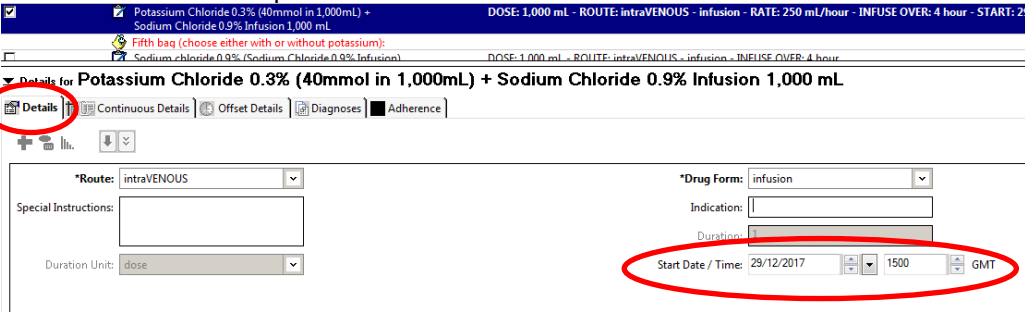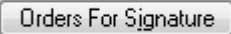
▼ Details for **Potassium Chloride 0.3% (40mmol in 1,000mL) + Sodium Cl**

Details | Continuous Details | ⊘ **Offset Details** | Diagnoses | Adherence |

Insulin DKA (Initiated Pending)

Start offset: [1] [Hours ▼] [Clear]
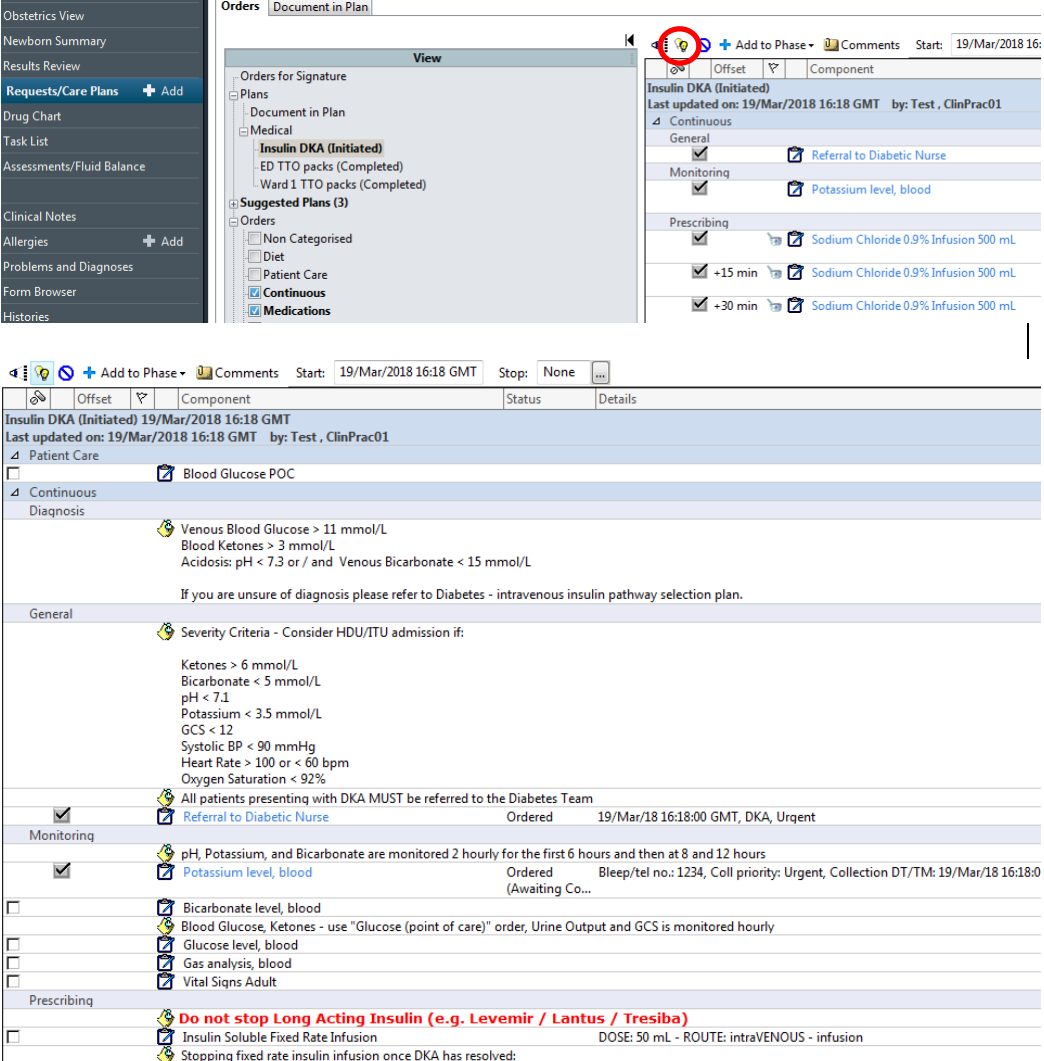
To enter an Offset time, select the relevant bag (in this case the second), right-click on the order and select modify.
In the order details, select tab "Offset Details" and enter the correct time, e.g. 1 hours

7.	Alternatively, a defined start time can be entered for the bag of fluid. To enter a start time, select the order, right-click modify and in the order select the tab "Details". In this tab a specific Start Date / Time can be entered. 	Doctor / NMP
8.	Select appropriate Glucose replacement Please order both bags of Glucose (either 5% or 10%) at the same time as the second bags already have the correct Offset time (i.e. starting time) entered.	Doctor / NMP
9.	When all orders have been selected (ticked), click **Orders For Signature**	Doctor / NMP
10.	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.	Doctor / NMP
11.	Review orders and then click **Sign** 	Doctor / NMP
12.	Navigate to the drug chart to check that all meds have been ordered correctly.	Doctor / NMP

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.		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 [Orders For Signature] and then click [Sign]	Doctor / NMP