



ieMR Advanced

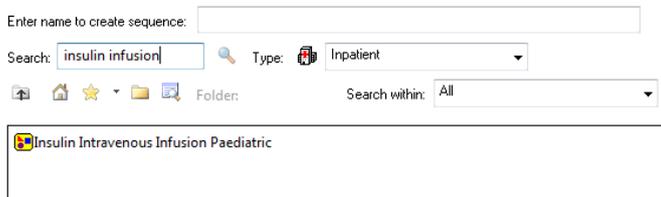
# Insulin intravenous infusion paediatric PowerPlan – ordering

## Medication Management

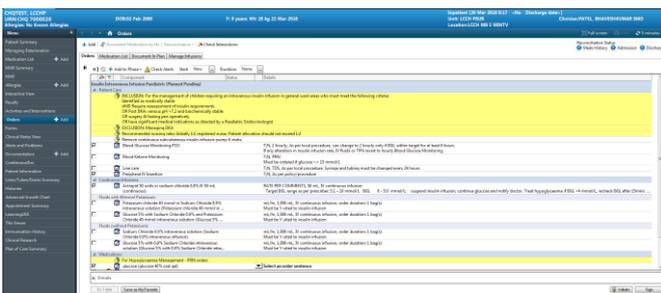
### Quick reference guide

#### Ordering

1. Click **Orders** from the Menu.
2. Click **+ Add**.
3. Enter 'Insulin infusion' in the search function.



4. Select **Insulin Intravenous Infusion Paediatric**.
5. Click **Done**.
6. The PowerPlan will now display and appear as below.



The view will display the PowerPlan divided into sections.

Notes highlighted in **yellow** provide important points to consider when prescribing.

#### Patient Care

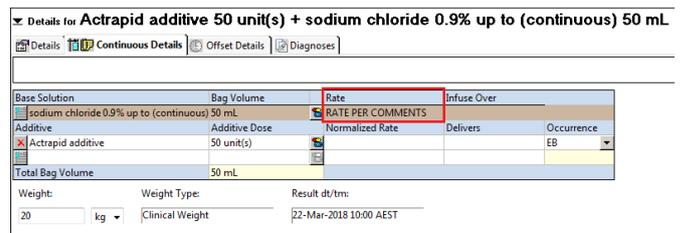
Read the notes under the heading Patient Care. The pre-selected orders are:

- Blood Glucose Monitoring POC 1 hourly
- Peripheral IV Insertion

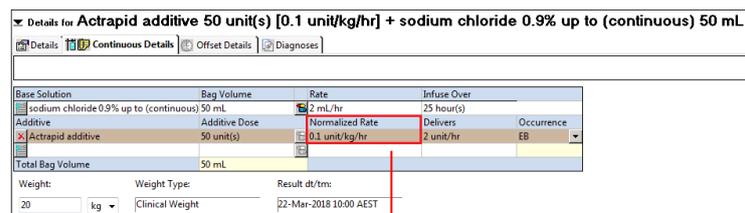
Select/de-select appropriate order/s using the  and modify as clinically appropriate.

#### Continuous Infusions

1. Right-click and Modify the **Actrapid** order.
2. Continuous Details OEF opens.
3. **Delete** RATE PER COMMENTS in **Rate** field.



4. Enter in appropriate dose using **unit/kg/hr** in **Normalized Rate** field:



Corresponding **Rate** in mL/hr automatically populates.

5. Click on the **Order Comments** tab.
6. Type over the '\_\_\_' sections to change to appropriate doses corresponding to the BGL ranges.



Details for Actrapid additive 50 unit(s) + sodium chloride 0.9% up to (continuous) 50 mL

Order comments  
Target BGL range as per prescriber: 5.1 – 10 mmol/L

BGL < 4 : Cease infusion temporarily. Contact medical team. Give hypoglycaemia treatment and re-check BGL every 15 minutes until BGL > 5  
 BGL < 5 : Cease infusion temporarily. Re-check BGL in 1 hour.  
 BGL 5.1 - 10 : \_\_\_ unit/kg/hr  
 BGL 10.1 - 15 : \_\_\_ unit/kg/hr  
 BGL > 15 : \_\_\_ unit/kg/hr Check blood ketones. Contact medical team if ketones > 0.6

7. Order appropriate IV fluid for Y-site by ticking ONE box , right-click and Modify, then completing the Rate field (mL/hr).

Fluids with 40mmol Potassium

- Potassium chloride 40 mmol in Sodium Chloride 0.9% intravenous solution (Potassium chloride 40 mmol in Sodium Chloride 0.9% intravenous infusion 1,000 mL)
- Glucose 5% with Sodium Chloride 0.9% and Potassium Chloride 40 mmol intravenous solution (Glucose 5% with Sodium Chloride 0.9% and Potassium Chloride 40 mmol intravenous infusion)

Fluids (without Potassium)

- Sodium Chloride 0.9% intravenous solution (Sodium Chloride 0.9% intravenous infusion)
- Glucose 5% with 0.9% Sodium Chloride intravenous solution (Glucose 5% with 0.9% Sodium Chloride intravenous infusion)

Medications

Hypoglycaemia Management PRN orders for glucose oral gel, glucose IV solution and glucagon are all pre-selected.

Medications

**For Hypoglycaemia Management - PRN orders**

- glucose (glucose 40% oral gel)
- glucose (glucose 10% intravenous solution)
- glucagon

1. Click the down-arrow  next to *glucose (glucose 40% oral gel)*, and select the filtered order sentence appropriate for the patient's age.
2. Right-click and Modify the *glucose (glucose 10% intravenous solution)*, which launches the Dosage Calculator with Target dose of 2 mL/kg and Final dose calculated using the patient's Actual weight.

glucose 10% intravenous solution

Dose Values

1) Target dose: 2 mL/kg  
 2) Calculated dose: 30 mL  
 3) Dose Adjustment: 30 mL 100 %  
 4) Final dose: 30 mL 2 mL/kg  
 5) Standard dose: mL mL/kg  
 6) Rounding rule: No rounding  
 7) Adjust Reason:  
 8) Route: IV

Reference Data

Date of birth: 11 Oct 2011 (5 Months)  
 Sex: MALE  
 Ethnicity: Unknown  
 Height: cm Source: Manually entered  
 Actual weight: 13 kg Source: Manually entered  
 Adjusted weight: 15 kg Adjustment: Actual (no adjustment)  
 Serum creatinine: umol/L Source: Manually entered  
 COI (test): Algorithm: Cockcroft-Gault (Actual W/Weight) Missing data  
 Body surface area: Algorithm: Mosteller Missing data

Apply Standard Dose Apply Dose Cancel

3. Click Apply Dose.
4. Click the down-arrow  next to *glucagon*, and select the filtered order sentence appropriate for the patient's age.

Consults/Referrals

Consults/Referrals

All consults must be accompanied by a phone call as per current practice

- Consult to Dietetics Routine, Other - specify details, T;N
- Consult to Endocrinology T;N, Routine, IV Insulin therapy, Endocrinology
- Consult to Diabetes Education Routine, IV Insulin therapy, T;N

Order appropriate consults by ticking the box , along with a phone call as per usual practice at your hospital site.

Initiate/Sign

Click  and  per usual process.

