

DKA Paediatric PowerPlan

Quick reference guide

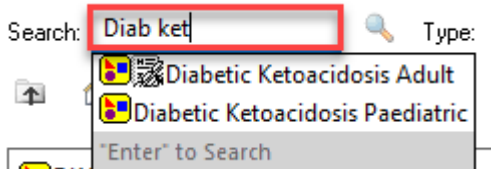
Ordering DKA Paediatric PowerPlan – Doctor



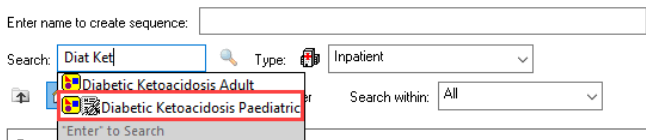
This Quick Reference Guide is designed to assist in DKA Paediatric management for an Emergency presentation using the ieMR.

To order the DKA Paediatric PowerPlan

1. In Orders search for *Diab ket* or *DKA* (alias name)




2. Select the PowerPlan label: *Diabetic Ketoacidosis Paediatric*



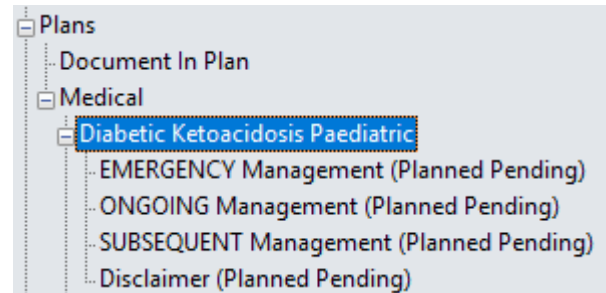
Note: The DKA Paediatric PowerPlan reflects the Queensland Health Guideline 'Management of Diabetic Ketoacidosis in children (under 16 years)'.

Access to the guidelines can be done

via the  icon link.

Ensure you read the  persistent notes in the components which will correspond with the guideline recommendations.

There are 3 phases within the DKA Paediatric PowerPlan



Phase 1: EMERGENCY management

3. Click the *Emergency management (Planned Pending)* Phase in the View column on the left
4. Review all 5 Steps in the Component section on the right

Note:

Review and select the Orders against each Step that are necessary for the patient (note: some orders are pre-selected)

- Step 1: Initial Investigations

Patient Care: Blood Ketone Monitoring, Neurological observations, Fluid Balance etc

Baseline pathology investigations: Full Blood Count, Urea, Electrolytes and Glucose, Blood Gas (Venous) etc.

Newly Diagnosed Diabetes Pathology Investigations: Review as required.

- **Step 2: Fluid Resuscitation (Cannula 1):** Sodium Chloride 0.9% intravenous solution bolus orders
- **Step 3: Fluid/Potassium Replacement (Cannula 1):** Fluids with or without potassium
- **Step 4: Insulin IV Infusion (Cannula 1):** Actrapid 50 units in sodium chloride 0.9% IV 50 mL (continuous)
- **Step 5: Other Actions:** Review as required.



Ordering the Actrapid Insulin Infusion

5. In **Step 4: Actrapid Insulin IV Infusion (Cannula 1)**

****ALERT: Remove continuous subcutaneous insulin infusion pump if insitu****

- As clinically indicated, review the *Actrapid 50 units in sodium chloride 0.9% IV 50 mL (continuous) Infusion* order
- Right Click** on the Order and select *Modify* to review and enter details in the *Order Entry Fields (OEF)* or *ScratchPad*

8. Review the *Normalised Rate* and confirm it is appropriate.

9. Ensure a *Weight* is documented under the Infusion details. Once a weight is documented, the *rate (mL/hr and unit/hr)* will be automatically calculated based on the *normalised rate (unit/kg/hr)*.

Note: The weight will only pre-populate if it was recently documented (i.e. within the last 7 days).

10. Select the *Order Comments* tab and review the information. Update if required.

Note: The *Order Comments* provides additional guidance on Administration requirements if using a syringe pump or if no syringe pump is available.

11. Click the *Initiate Now* button

12. Review all the orders indicated with a lightbulb

13. Action the *blue circle with a white X* – *Order details are not complete*

14. Click on the *blue circle with a white X* to complete the Order details

Note: All Orders displaying a *blue circle with a white X* must be actioned in order to proceed with the initiation of the DKA Paediatric PowerPlan.

Example:



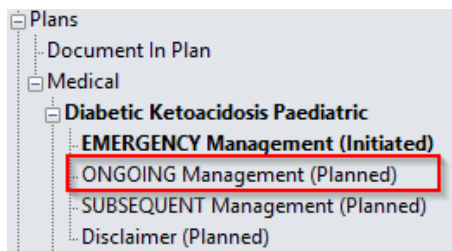
15. Click *Orders for Signature* after all are reviewed and updates
16. Click *Sign*
17. Click *Refresh* to finalise *Processing*

Note: Review the **MAR** to ensure that the *EMERGENCY management (Diabetic Ketoacidosis Paediatrics) Intravenous Actrapid Infusion and Fluids* are available for administration.



Phase 2: ONGOING management

1. In *Orders* click the *Diabetic Ketoacidosis Paediatric PowerPlan* in the View column on the left in *Orders*.
2. Click *ONGOING management (Planned Pending)* to select this Phase in the View column on the left

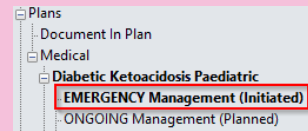



3. Review all 3 Steps in the Component section on the right

Note: Review and select the Orders against each Step that are necessary for the patient (note: some orders are pre-selected)

- **Step 1:** *Further Investigations – Other investigations if needed:* Urea, Electrolytes and Glucose, Blood Gas (Venous) etc.
- **Step 2:** *Fluid/ Potassium Replacement (Cannula 1):* fluid orders with or without potassium
- **Step 3:** *Insulin IV Infusion (Cannula 1):* Review and Modify the Actrapid Insulin Infusion in the first phase if required.

Note: The *ACTRAPID INFUSION ORDER* will remain current within *EMERGENCY management* phase. If required, the order can be updated within this phase

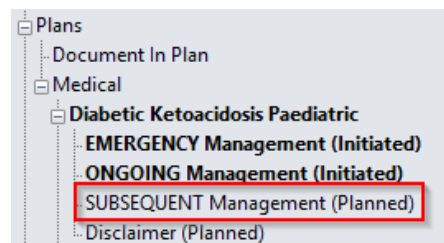


4. Once all *Order components* are reviewed and selected
5. Click *Initiate Now*
6. Review all the orders indicated with a lightbulb 
7. Click *Orders for Signature* after all reviewed and updated
8. Click *Sign*
9. Click *Refresh* to finalise *Processing*
10. Check the **MAR**, Click *Refresh*

Review the **MAR** to ensure that the *ONGOING management (Diabetic Ketoacidosis Paediatric) medication and/or fluids* are available for administration.

Phase 3: Subsequent management

1. In *Orders* click the *Diabetic Ketoacidosis Paediatric PowerPlan* in the View column on the left in *Orders*
2. Click *SUBSEQUENT management (Planned Pending)* to select this Phase in the View column on the left.



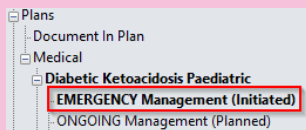
3. Review all 5 Steps in the Component section on the right.




Review and select the Orders against each Step that are necessary for the patient (note: some orders are pre-selected)

- **Step 1:** *Further Investigations:* Urea, Electrolytes and Glucose, Blood Gas (Venous) etc.
- **Step 2:** *Fluid/Potassium Replacement (Cannula 1):* fluid orders with or without potassium
- **Step 3:** *Insulin IV Infusion (Cannula 1):* Review and Modify the Actrapid Insulin Infusion in the first phase if required.
- **Step 4:** *Transition to subcutaneous insulin:*
- **Step 5:** *Consults/Referrals:* Review the consults available.

Note: The *ACTRAPID INFUSION ORDER* will remain current within EMERGENCY management phase. If required, the order can be updated within this phase



4. Once all *Order components* are reviewed and selected, click *Initiate Now*
5. Review all the orders indicated with a lightbulb 
6. Click *Orders for Signature* after all are reviewed and updated
7. Click *Sign*
8. Click *Refresh* to finalise *Processing*
9. Check the *MAR*, Click *Refresh*

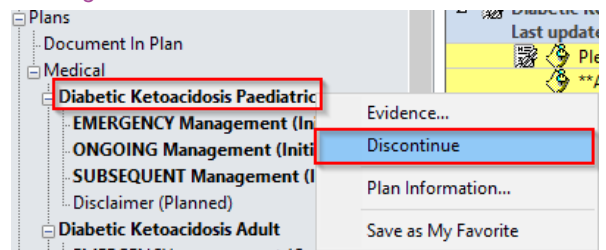
Discontinue the DKA Paediatric PowerPlan

PLEASE ENSURE THE *ACTRAPID INFUSION ORDER* FROM THE EMERGENCY management PHASE HAS BEEN DISCONTINUED

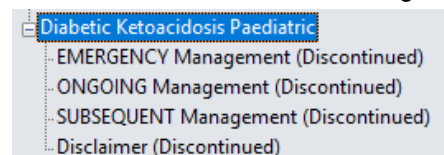
Ensure all Fluid Infusions have been managed accordingly.

Ensure all pathology and radiology tests have been reviewed and endorsed.

1. In Orders, locate the *Diabetic Ketoacidosis Paediatric PowerPlan*
2. *Right-Click* and Select *Discontinue*



3. Review all the Components, including any outstanding orders i.e. *Baseline pathology investigations and Fluid Infusions*
4. Complete all Order details not complete indicated by the *blue circle with a white X*
5. Click *Sign*
6. Click *Refresh* to finalise *Processing*



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