

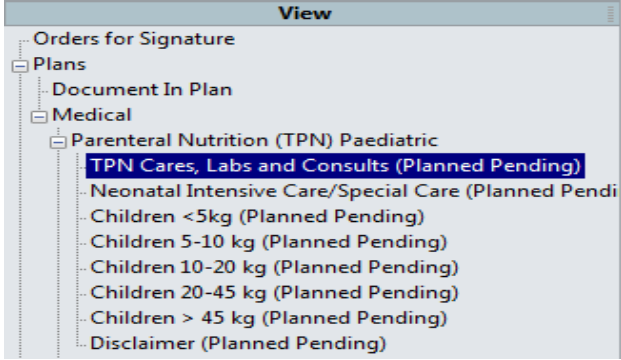


Parenteral Nutrition Ordering – ieMR Workflow

SAFETY CHECKS	1.0 Patient and Encounter selection
	<ol style="list-style-type: none"> 1. Navigate to patient list and select patient; 2. Check the correct patient ID; confirm you are in the correct encounter using the banner bar.

HISTORY AND ALERTS	2.0 Medication history and Allergies
	<ol style="list-style-type: none"> 1. Review allergies field with patient/carer/parent; Mark all as Reviewed 2. Review the Medication Administration Record (MAR) Summary <ol style="list-style-type: none"> a. Select All Medications (System) 3. Check existing orders to avoid duplicate orders
	Alert: The MAR Summary will display all orders across all encounters. Reviewing the MAR Summary is a critical step to reduce the risk of duplicate orders.

GENERATE POWERPLAN	3.0 Medication selection
	<ol style="list-style-type: none"> 1. Click on the Orders tab in left main menu and Add in top left corner of screen 2. Type "Parenteral Nutrition (TPN) Paediatric" into Search box 3. Select the Parental Nutrition (TPN) Paediatric PowerPlan  Parenteral Nutrition (TPN) Paediatric 4. The screen remains open, click Done at bottom right of screen to place a Planned Pending Order. The PowerPlan will appear in the view section.
	

To correctly select the required **Order Components** of the Parental Nutrition (TPN) Paediatric power-plan, see the following component selection guide:

COMPONENT SELECTION	4.0 Component - TPN Patient Care, Laboratory, Consult/Referrals
	<ol style="list-style-type: none"> 1. Select Blood Glucose Monitoring POC monitoring 2. Select weight - twice weekly weight orders are linked 3. Select CHEM 20 (CHEM 20 General Biochemistry Profile) 4. Select Consult to Dietetics and Consult to Pharmacy <ul style="list-style-type: none"> - All requests for consults should be accompanied with a phone call

COMPONENT SELECTION

5.0 Component - Clear Phase Parental Nutrition (by weight)

1. Click on the appropriate Parental Nutrition (TPN) Paediatric order phase from the view that corresponds with patient weight. For example,

Children 20-45 kg (Planned Pending)

The Vitamins, Lipids and Parental Nutrition (clear phase) components for selection will appear to the right of the view screen (on the scratch pad)

2. Orders for lipid (SMOF) and vitamins will be pre-selected.
3. Select the box of the clear phase (Parenteral Nutrition) fluid that is required for the patient

MEDICATION DETAILS

6.0 Order Details - Clear Phase Parenteral Nutrition Solution

1. Right Click and **Modify** the Clear Phase Parenteral Nutrition Order that you have selected, to review and modify the prescription. The **Details** screen will appear below the scratch pad



Alert: Always order clear phase left to right as per below directions

2. In the **Continuous Details** tab:
 - a. Input into the **Bag Volume** field in mL.
 - i. 1000mL for neonatal solutions and 20/100, 25/150 and 30/200
 - ii. 1970mL for Parenteral Nutrition with SMOF (SMOF Kabiven) Triple Phase solutions (>45kg)
 - b. Input into the **Rate field** the calculated rate for patient in mL/hr
 - c. Click in the Infuse Over field - this will auto-populate based on the **bag volume** and **rate**. **Do Not Change** the **Infuse Over** field.
 - d. **Do Not Change** the Infusion instructions field that specifies the PN components
3. Navigate to the **Details** tab:
 - a. Delete the default **Duration** of 1 and change the **Duration Unit** from 'bag' and select 'none' – this will provide a true continuous order
 - b. In the **Special instructions** field clearly document the time PN is to run for and any titration plans
e.g. 'Run PN at 60mL/hr from 1400-0900hrs then run at 30mL/hr from 0900-1000hrs, Break from PN 1000-1400hrs'
 - c. Enter any other details that are required such as requested start date/time

MEDICATION DETAILS

7.0 Order Details – Lipids fat emulsion SMOF lipid intravenous emulsion

1. Right click and **Modify** the SMOF lipid Order to review and modify the prescription



Alert: Always order lipids right to left as per below directions

2. In the **Continuous Details** tab:
 - a. In the **Infuse Over** field input number of hours to infuse over (generally 20 hours)
 - b. Input into the **Rate** field the rate in mL/hr
 - c. Right click the **Bag Volume** field; it will auto-populate **the volume to be infused over the time** ordered.



Alert: Do not change the bag volume (volume of lipid to be infused over 24 hours) as this will change the infusion time

3. In the **Details** tab:
 - a. Delete the default **Duration** of 1 and change the **Duration Unit** from 'bag' and select 'none' – this will provide a true continuous order
 - b. In the **Special instructions** field clearly document the run time/break time and titration plans e.g. 'Run SMOF from 1400-1000hrs with a break from 1000-1400hrs'
 - c. Enter any other details that are required such as **Requested start date/time**

Note: if a mistake is made you can right click on order sentence and select **Reset** this will reset the entire order


MEDICATION DETAILS

8.0 Order Details – Vitamins (in Fat Emulsion)

1. Right click and **Modify** the Vitamins Order to review and modify the prescription
2. In the **Continuous Details** tab
 - a. The **Bag Volume, Rate** and **Infuse over** fields should be auto-populated as per the parenteral nutrition guideline
 - b. If you wish to run the infusion over less hours, then you can modify the **Infuse over** time
 - i. This will auto-change the rate
 - ii. Vitamins should infuse over same number of hours as SMOF lipid
3. In the Details Tab
 - a. Delete the default **Duration** of 1 and change the **Duration Unit** from 'bag' and select 'none' – this will provide a true continuous order
 - b. Enter any other details that are required such as **Requested start date/time**

POWERPLAN

9.0 Initiate PowerPlan

1. Once all the order components (Vitamins, Lipids, and Clear Phase Parental Nutrition) are selected and reviewed, click **Initiate**
2. Review the Interaction Checking alert and select OK for each order
3. A lightbulb will now appear beside all initiated orders, and the **Orders For Signature** view will indicate that these cares are "initiated pending" 

ORDERS FOR SIGNATURE

10.0 Review Orders For Signature

1. Click **Orders For Signature**
2. Confirm all orders are correct, click **Sign**
3. Enter password and select **OK**
4. Refresh the page to confirm that the **Order Status** has been converted to "Initiated".

SAFETY CHECK

11.0 Medication Administration Record

1. Navigate to the **Medication Administration Record (MAR)** and **refresh** the page to ensure that the medication order appears
2. Review the medication order (Right patient, Right drug, Right dose, Right time, and Right route) by hovering over the **order sentence** or right click to select **Order Information**
3. Confirm that there are no duplicate orders in the **MAR**.