



Modification of Parenteral Nutrition Order- 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) b. Check existing orders to avoid duplicate orders.
	 Alert: The MAR Summary will display all orders across all encounters. This review is a critical step to reduce the risk of duplicate orders.
MEDICATION DETAILS	3.0 Order Details - To Modify Rate of Clear Phase Parenteral Nutrition Solution
	<ol style="list-style-type: none"> 1. Navigate to the Orders screen 2. In the View window, locate the Parenteral Nutrition (TPN) Paediatric PowerPlan 3. Click on the Initiated Phase prescribed for the patient e.g. Children 5-10 kg (Initiated) 4. Right click on the solution currently Ordered and select Modify. The Details (order entry form) will appear below 5. In the Continuous Details tab: <ol style="list-style-type: none"> a. Amend the Rate field for patient in mL/hr b. Confirm that the Bag Volume field remained unchanged <ol style="list-style-type: none"> i. 1000mls for neonatal solutions and 20/100, 25/150 and 30/200 ii. 1970mls for SMOF (SMOF Kabiven) Triple Phase solutions (>45kg) 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 6. Navigate to the Details tab: <ol style="list-style-type: none"> 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. Clearly document In the Special instructions field the PN infusion hours, break time and 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
	Sign Orders and Review the Medication Administration Record

4.0 Order Details - Clear Phase Parenteral Nutrition Solution Change - Solution not previously used

1. Navigate to the **Orders** screen
2. In the View window, locate the Parenteral Nutrition (TPN) Paediatric PowerPlan
3. Click on the Initiated Phase prescribed for the patient e.g. **Children 5-10 kg (Initiated)**
 - a) Right click on the solution (Clear Phase) currently Ordered and select **Cancel/Discontinue**. The **Details (order entry form)** will appear below
 - b) Select a Discontinue reason
 - c) Click **Orders for Signature**
 - d) **Sign** to finalise the cancellation
 - e) **Refresh the screen**
4. Click on the lightbulb icon  in top left-hand side of **Orders (scratch pad)** screen - This will display previously unused Clear Phase Solutions. NB: The lightbulb option is only available for solutions previously unused.
5. Select the checkbox for the required Clear Phase Parenteral Nutrition Solution
6. Right Click and **Modify** the Clear Phase Parenteral Nutrition Order that you have selected to review and modify the prescription.



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

7. In the **Continuous Details** tab:
 - a. Input **Bag Volume** 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 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
8. In the **Details** tab:
 - e. Delete the default **Duration** of 1 and change the **Duration Unit** from 'bag' and select 'none' – this will provide a true continuous order
 - f. Clearly document In the **Special instructions** field the PN infusion hours, break time and 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'

Sign Orders and Review the Medication Administration Record

Refer to Section 7.0 and 8.0 for details on Signing Orders (Orders for Signature, Sign) and Reviewing the Medication Administration Record.

5.0 Order Details - Clear Phase Parenteral Nutrition Solution Change - Solution previously used

1. Navigate to the **Orders** screen
2. In the View window, locate the Parenteral Nutrition (TPN) Paediatric PowerPlan
3. Click on the Initiated Phase prescribed for the patient e.g. **Children 5-10 kg (Initiated)**
 - a. Right click on the (Clear Phase) Parenteral Nutrition order and select **Cancel/Discontinue**
 - b. Select a **Discontinue** reason
 - c. Click **Orders for Signature**
 - d. Then **Sign** to finalise the cancellation
 - e. Refresh the screen
4. Navigate back to the View window and locate the Phase that corresponds to the patient's weight e.g. **Children 5-10 kg (Initiated)**
5. Right click on the Phase initiated and select **Replicate**



**Alert: De-select boxes that do not require replication
i.e. SMOF and vitamins will be preselected so as not to duplicate these orders.**

6. Select the appropriate Clear Phase Nutrition Order
7. 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



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

8. In the **Continuous Details** tab:
 - a. Input **Bag Volume** 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 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 component
9. In the **Details** tab:
 - a. Delete the default **Duration** of 1. Change the **Duration Unit** from 'bag' to select 'none' – this will provide a true continuous order
 - b. Clearly document In the **Special instructions** field the PN infusion hours, break time and 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
10. Click Initiate

Sign Orders and Review the Medication Administration Record

Refer to Section 7.0 and 8.0 for details on Signing Orders (Orders for Signature, Sign) and Reviewing the Medication Administration Record.

6.0 Order Details - To modify SMOF lipid intravenous emulsion



Alert: Changing the rate of SMOF lipid is very high risk. Do not change unless clinically essential. Consult pharmacist and/or dietitian when modifying. If change is essential ensure it coincides with line changes

1. Navigate to the **Orders** screen
2. In the View window, locate the Parenteral Nutrition (TPN) Paediatric PowerPlan
3. Click on the Initiated Phase prescribed for the patient e.g. **Children 5-10 kg (Initiated)**
 - a. Right click on the SMOF order and click **Cancel/Discontinue**
 - b. Enter the **Discontinue** reason, then finalise the cancellation
4. Right click on the Phase initiated and select **Replicate**



Alert: Deselect boxes you are not replicating in the order sentence, i.e. SMOF and vitamins will be preselected

5. Right Click and **Modify** the SMOF Lipid Order to review and modify the prescription



Alert: Always order SMOF lipid phase right to left as per below

6. In the **Continuous Details** tab
 - a. In the **Infuse Over** field input number of hours to infuse over (generally 20 hours)
 - b. Insert the **Rate** in mL/hr into the **Rate** field
 - c. Click in 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 to be infused over 24 hours) as this will change the infusion time

7. In the **Details** Tab:
 - a. Delete the default **Duration** of 1. Change the **Duration Unit** from 'bag' to select 'none' – this will provide a true continuous order .
 - b. In the **Special instructions** field clearly document the break (off) time
e.g. 'Run SMOF from 1400-1000hrs with a break from 1000-1400hrs'
8. Enter any other details that are required such as Requested start date/time
9. Click Initiate

Sign Orders and Review the Medication Administration Record

Go to Section 7.0 and 8.0 for details on Signing Orders (Orders for Signature, Sign) and Reviewing the Medication Administration Record.

MEDICATION DETAILS

ORDERS FOR SIGNATURE

7.0 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 "Ordered"

SAFETY CHECK

8.0 Medication Administration Record

1. Navigate to **Medication Administration Record**. **Refresh** the page to ensure 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 **Medication Administration Record**.