Infusions – Ordering TPN



Digital Health Quick Reference Guide

Key messages:

There are 2 TPN ordersets:

- 1. Parenteral Nutrition (TPN) Adult INITIATION: to be used on Day 1 when commencing TPN therapy.
- 2. Parenteral Nutrition (TPN) Adult MAINTENANCE: to be reordered each day, for ongoing therapy.

Note: If patient is in ICU, search and order TPN outside the TPN ordersets

Ordering TPN on Day 1

- 1. Navigate to "Orders and Referrals" and click + Add
- Type into the search field "Parenteral" or "TPN" this will display the Parenteral Nutrition (TPN) - Adult INITIATION orderset
- 3. Select the orderset

	Enter nar	name to create sequence:		
	Search:	parenteral		Advanced Opt
		Parenteral Nutrition (TPN) -	Adult IN	ITIATION
Engli Up		Parenteral Nutrition (TPN) -	Adult M	AINTENANCE
	🛨 Plans	NEO Parenteral Nutrition		
😪 🚫 "Enter" to Search				

- 4. Several Patient Care and Pathology orders have been pre-ticked as per policy. These can be unticked or modified if required.
- 5. There is also information on electrolyte additives for reference:

The below table indicates the maximum concentration of electrolytes that can be added to a Baxter TPN bag. If a higher dose is required, consider a sideline bag. Seek advice from ICU pharmacist if required.

1.5 L High Protein		2 L High Protein and Low Protein		
Na	178 mmol	Na	228.5 mmol	
к	187 mmol	к	240 mmol	
Mg	10 mmol	Mg	12 mmol	
Phos (inorganic)	4.5 mmol	Phos (inorganic)	6 mmol	

6. Select the required TPN formulation order. Right click on the order and select Modify.

	🗳 Baxter High Protein TPN	
	🍄 <u>1.5 L Bag</u>	
₽	Of total parenteral nutrition (TPN High Protein with electrolytes (Olimel N9E))	1,500 mL, IV Infusion, Rate: 42 mL/hr, 1 bag(s), For CENTRAL administration ***MAX HANG TIME OF 24 HOURS***

 The Rate for High Protein TPN bags has been pre-defined as 42 mL/hr. This can be changed if required. If ordering a Low Protein TPN bag, the Rate will have to be entered.

Details for TPN High Protein with electrolytes (Olimel N9E) 1,500 mL					
😭 Details 🎁 Continuous Details 🕕	Order Comments 🛛 🛞 Offs	et Details	Diagnoses		
Base Solution	Bag Volume	Rate		Infuse Over	
TPN High Protein with electrolytes (Oli	mel N9E) 1500 mL	Se 42 mL/hr		35.7 hr(s)	
Additive	Additive Dose	Normaliz	ed Rate	Delivers	
		68			
Total Bag Volume	1500 mL				

Note: The Infuse Over time is automatically calculated based on the Bag Volume and Rate. This indicates the time at which the bag will be empty, <u>not</u> when the TPN should be stopped. The Infuse Over time will therefore exceed the maximum hang time of 24 hours, and should be ignored. <u>Only the Rate will display on the MAR for</u> nursing staff to see. Nursing staff will also get an alert at the 24 hour mark as a reminder to take down the TPN infusion.



- 8. If additives are required click the Additive icon
- 9. Search for and select the appropriate additive(s), then click "Done".

Note: you can add <u>all</u> required additives from this window before clicking Done.

The "TPN" suffix is used for TPN additives only.

P	Testwhiep14, Isabella MRS	- Add Order	_ □	x
Search: ton	0			
Addition	•			
Search within: Multitive				
calcium chloride (TPN additiv	e)			
potassium chloride (TPN add	tive)			
sodium chloride (TPN additiv sodium glycerophosphate (TI	:) N additive)			
potassium dihydrogen phosp	nate (TPN additive)			
<				>
	Testwhie	p14, Isabella MRS	- 1684468 Dor	e

10. Enter the Additive Dose field including units

Base Solution	Bag Volume	
TPN High Protein with electrolytes (Olimel N9E)	1500 mL	8
Additive	Additive Dose	
× potassium chloride (TPN additive)	10 mmol	8
		80

11. Navigate to the Order Comments tab.

The Order Comments state: ***MAX HANG TIME OF 24 HOURS***

포 Details f	z Details for TPN High Protein with electrolytes (Olimel N9E) 1,500 mL + potassium chloride (TPN additive) 10 mmol							
Petails	📋 Continuous Details	Drder Comments	Offset Details	Diagnoses				
Order com	Order comments							
MAX H/	***MAX HANG TIME OF 24 HOURS							

🚰 Details 👖 Continuous Details 🌐 Order Comments 🛞 Offset Details 🕞 Diagnoses

Note: If ordering CYCLIC TPN, the prescriber should modify this Order Comment to indicate a hang time of 16 hours: Details for TPN High Protein with electrolytes (Olimel N9E) 1,500 mL
 Details
 Continuous Details
 Order Comments
 T**CYCLIC TPN - HANG FOR 16 HOURS. Commence at 18:00 and cease at 10:00****

- Navigate to the Details tab.
 The Duration is pre-defined as "1 bag". This should not be modified.
- If ordering CYCLIC TPN, change the First
 Dose time to 1800. Please note this will not

 Image: Second second

포 _{Details for} TPN High Protein with electrolytes (Olimel N9E) 1,500 mL + potassium chloride (TPN additive) 10 mmol

First Dose Date / Time:	30/05/2023	AEST	Indication:	
Priority:	Routine 💌		Stop type:	~
Bolus Dose:			Bolus Dose Unit:	
Titrate Instructions:			Special Instructions:	For CENTRAL administration
Patient's Own Meds:	Yes No			

automatically discontinue the order at this time - it acts as a reminder to nursing staff.

- 14. Select Orders For Signature and Sign
- 15. Refresh and review order on the MAR in the Continuous Infusions section.



day.



Advanced Option

Parenteral Nutrition (TPN) - Adult INITIATION

Parenteral Nutrition (TPN) - Adult MAINTENANCE

Infusions – Ongoing TPN Therapy

- 1. Navigate to "Orders and Referrals" and click + Add
- Type into the search field "Parenteral" or "TPN" this will display the Parenteral Nutrition (TPN) - Adult MAINTENANCE orderset
- Select the desired orderset.
 Note: Pathology orders are pre-set to be taken at 6am the following
- 4. To add the TPN infusion order select "Add to Phase" then "Add Order".
- Type into the search field "TPN" this will display all TPN formulations. Select the most appropriate one and click "Done".
- 6. Modify the order and add additives as required



Enter name to create sequence:

parent

Search:

T U

Note: The Adult Maintenance orderset should be re-ordered each day for TPN therapy.

Infusions – Discontinuing TPN Therapy

- 1. Navigate to "Orders and Referrals" and find the TPN orderset under the "View" tab
- 2. Active ordersets will have a status of "Initiated".
- 3. Right click on the orderset and select "Discontinue".
- 4. A window will display with all components of the orderset that remain active. Click "OK"
- Complete mandatory discontinuation reasons for each order, and Sign. The orderset will now have a status of "Discontinued".
- 6. Always review the MAR to ensure orders have been discontinued as intended.

