Name of Hospital

Neonatal Parenteral Nutrition Prescription

TERM CONCENTRATED

24 hour bag
E of E Term Concentrated PNPx (July 2022 –version 12)
Page 1 of 2

Screened by

Name

Hospital No.

Date of Birth

NHS Number

Address

Consultant

Instructions for Completing	Parenteral	Nutrition	Prescription
FOR ADMINISTRATION	VIA CEN	NTRAL LII	NE ONLY

Birth	Gestation Ward		Aqueous and lipid component will provide the following								
•	Enter one date only in each		Total volume (ml/kg)	50	60	70	80	90	100	110	115
•	Days of PN means number	,	, , 5,		ONCENT	RATED Aq	ueous Pa	renteral N	utrition Fo		
	PN.	aby is on PN e.g day 1 on initiation of N.		45	50	60	70	80	85	95	100
•	Indicate the total PN volume	•	Amino acid (g/kg)	1.12	1.25	1.5	1.75	2.0	2.13	2.4	2.5
	aqueous PN (round up to the aqueous PN volume on the		Nitrogen (g/kg)	0.16	0.18	0.22	0.25	0.29	0.31	0.34	0.36
	of lipid, volume of enteral f		Glucose (g/kg) Sodium	6.3	7.0	8.4	9.8	11.2	11.9	13.3	14.0
	infusion volumes and total f required.	uid volume	(mmol/kg) Potassium (mmol/kg)	1.35	1.5	1.8	2.1	2.4	2.55	2.85	3.0
•	Circle STD if the electrolyte	e electrolytes requirements		0.9	1.0	1.2	1.4	1.6	1.7	1.9	2.0
	are the same as the standar	d formula. If	(mmol/kg) Magnesium	0.43	0.48	0.57	0.66	0.76	0.81	0.89	0.94
	not, fill in the specific electr requirements.	olytes	(mmol/kg) Phosphate	0.09	0.1	0.12 0.44	0.14 0.52	0.16 0.59	0.17	0.19	0.2
•	Inclusion of trace elements i	dependent on	(mmol/kg) Chloride	1.17	1.3	1.56	1.82	2.1	2.21	0.7 2.5	2.6
	PN supplier. Check label fo Composition dependent on		(mmol/kg) A cetate	0.58	0.65	0.77	0.9	1.0	1.1	1.22	1.29
•	Non-standard electrolytes		(mmol/kg) Trace elements	0.56	0.03	0.77	0.9	1.0	1.1	1.22	1.29
	requested where there is a		(ml/kg)		Lip	id Parente	ral Nutriti	on Formu	la		
•	need. Maximum nitrogen to be p	rescribed is	Lipid (g/kg)	0.85	1.7	1.7	1.7	1.7	2.5	2.5	2.5
	0.36g/kg/day (2.5gAA/kg/ by 115ml/kg/day of term		Lipid volume (ml/kg)	5	10	10	10	10	15	15	15
	formula. If more IV fluid is		Phosphate (mmol/kg)	0.07	0.14	0.14	0.14	0.14	0.21	0.21	0.21
	change to Term Standard		Total		Aqueous	ınd lipid com	ponent will	provide the	following	1	1
	5% glucose or 10% gluco	se can be usea.	phosphate (mmol/kg)	0.4	0.51	0.58	0.66	0.73	0.84	0.91	0.95
	5.										
_	Date										
D	ays of Parenteral Nutrition										
	Working Weight (kg)										
	Volume of Aqueous PN										
	(ml/kg) Volume of Lipid PN (ml/kg)										
1	Intralipid 20%/SMOF*										
	*delete as appropriate Total PN Volume (ml/kg)										
	Total 114 Volonie (IIII/kg)										
	Volume of enteral feed										
	(ml/kg)										
	Other infusion (ml/kg)										
	Total fluid volume (ml/kg)										
	Sodium (mmol/kg)	STD	STD	STE)	STD	ST	D	STD	ST	D
	Potassium (mmol/kg)	STD	STD	STE)	STD	ST	D	STD	ST	D
	Calcium (mmol/kg)	STD	STD	STE)	STD	ST	D	STD	ST	D
<u> </u>	Magnesium (mmol/kg)	STD	STD	STE)	STD	ST	D	STD	ST	D
T	otal Phosphate (mmol/kg)	STD	STD	STE)	STD	ST	D	STD	ST	D
	Chloride (mmol/kg)	STD	STD	STE)	STD	ST	D	STD	ST	D
	Prescriber's Signature										
	Prescriber's Name & Bleep										

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		РПА	RIMACY DEPA	KIMENI SE	CHON		
Da	re l						
Total volume of Aqueous P to be infuse							
Total volume of Lip							
to be infuse							
Ordered I	ny .						
Order numb	er						
Checked I	Dy						
Maximum infusion rate of aqueous I							
(ml/hou							
Maximum infusion rate of lip	id						
(ml/hou	r)						
WARD ADMINISTRATION RECORD							
Aqueous PN - date infusion starte	d						
Aqueous PN - time infusion starte	d						
Set up l	ıy						
Checked I	y						
Lipid - date infusion starte	d						
Lipid - time infusion starte	·d						
Set up l	ıy .						
Checked I	y						
BATCH NUMBER RECORDS							
Batch number of aqueous P	N						
Batch number of Lip							
Batch number recorded l							
Additional Information:	7 1		<u> </u>				
							Initial &
Date Comment							sign
I							<u> </u>

Please note:

Lipid syringes from ITH will be provided with the following formulation: Intralipid/SMOFLipid 20% 37.5mI

Vitlipid NInfant 10ml

Solivito N (WFI 10ml) 2.5ml

20m l/kg would then provide:

Solivito 1ml/kg/Vitlipid N4ml/kg/Lipid 3.4g/kg

- Solivito will be added to aqueous PN if lipid is not prescribed. It will be added as 1ml/kg/day where possible.
- Trace elements will be added as 0.74ml/100ml to aqueous phase.
- Maximum licensed dose of SMOF is 3g/kg/day.
- Aque ous PN solution of glucose concentration >12.5% or os molarity >900m Os m/L must be infused via central line.
- Lipid syringes must be changed every 24 hours.
- Minimum overage for aqueous PN is 100ml and for lipid is 10ml (syringe).
- Chloride will be capped at 6mmol/kg/day unless otherwise specified. Aim for Chloride:Acetate molar ratio of 2:1. Seek clarification if acetate provided exceeds chloride. Chloride value will vary if any of the electrolytes is not ordered as standard. If a specific Chloride value is required, cross off "STD" and fill in the specific Chloride requirement.

Recommended intake for stable growth (ESPGHAN 2018)

Energy kcal/kg/day	75-85kcal/kg/day
Lipid g/kg/day	3g/kg/day
Nitrogen g/kg/day	0.36g/kg/day
Amino acid g/kg/day	1.5-3g/kg/day
Carbohydrate g/kg/day	7.2-14.4g/kg/day
Sodium mmol/kg/day	2-3 mmol/kg/day
Potassium mmol/kg/day	1-3 mmol /kg/day
Calcium mmol/kg/day	0.8-1.5 mmol/kg/day
Magnesium mmol/kg/day	0.1-0.2 mmol/kg/day
Phosphate mmol/kg/day	0.7-1.3 mmol/kg/day
Chloride mmol/kg/day	2-4 mmol/kg/day