WHEN DRUG FORMULA AND DOSAGE ARE IDENTICAL, THE PHARMACY MAY DISPENSE THE DRUG WHICH IS IN HOSPITAL STOCK REGARDLESS OF TRADE NAME UNLESS I SPECIFICALLY REQUEST "NO SUBSTITUTE." PHYSICIAN MUST DELETE ORDERS NOT DESIRED (DRAW A SINGLE LINE THROUGH THE ORDER). (IF BLANKS NOT FILLED IN, ORDERS CONSIDERED DELETED.) Orders not to be initiated without physician signature and/or physician telephone authorization.



## PARENTERAL NUTRITION INFANT (LESS THAN 1 YEAR) ORDER

BOLD BORD	DER AREAS MUST I	BE FILLED IN	PN HOURLY PN VOLUME VOLUME. PN	PREPAR	ED WILL B	E BASED C	<b>LIPIDS:</b> ON A <u><b>24 H</b></u>	
Day # PN: REI	FERENCE	☐ Preterm	PRESCRIBE					
	IGHT:	☐ Term	TOTAL PN V	OLUME F	OR 24 HO	URS TO BE	MIXED B	βY
	PERIPHERAL   F	PICC CENTRAL	PHARMACY:	:				ml/day
DIAGNOSIS:			Rate of PN in	nfusion: _	· · NDO	T'		_ml/hr
TOTAL DAILY FLU	JIDS (in ml/day)		Note: Rate a feeds increas		t. IS NPO.	Titrate PN ra	ate down a	as enterai
ml/kg/day	y xkg	T=	ELECTROL ANY BOX	_		RALS BE INTERF	PRETED A	S ZERO
MEDICATION DRI	PS (in ml/day)		Starting Guid	elines n	nEq/Kg/day	/		
	, , , , , , , , , , , , , , , , , , , ,	M=	SODIUM CHLOF		2		_	nEq/kg/day
Obligatory non-F	PN IV fluids		SODIUM ACETA		0			nEq/kg/day
FAT EMULSION 2	<b>0%</b> (in ml/day)		SODIUM PHOSE POTASSIUM PH		1 2			nEq/kg/day
TAI LINIOLOION L	o 70 (III IIII/day)	F=	POTASSIUM CH		0			nEq/kg/day nEq/kg/day
gm/kg/day x	kg x 5 ml/gr		POTASSIUM AC		0			nEq/kg/day
AAA XIIAI IA	A DALLYOLUME FOR	04.1101100	CALCIUM GLUC	ONATE	2			nEq/kg/day
	I PN VOLUME FOR Fluids - Medication [		Goal 3-4.5 mEq/l	k/day				
	y = ml/hr		MAGNESIUM SU	JLFATE	0.5		m	nEq/kg/day
assumption that plipids)  % Dextrose	oatient is NPO (it do	imum 12.5%)	PEDIATRIC ADDED PER	PROTOC	OL UNLE	SS NOTED	BELOW.	anganese
gm/kg/day <b>protein</b> OR% pediatric amino acids				]				
gm protein x	kg x 40 =	mg of Cysteine						
ml/hr 20% <b>fa</b>	at xhr		Optional Addit	ives with	Recomme	ended Dose	s	
			Ranitidine	2 mg/	kg/day			mg/kg/day
Na CI	BUN	Glucose	Heparin	0.5 u	ınit/ml			units/ml
K CO	Creatini	ne	Selenium**	2 mcg	/kg/day			mcg/kg/day
·			Molybdenum*	0.25 mc	g/kg/day			mcg/kg/day
Ca: N	Mg: P	04:	Carnitine**	10 mg	/kg/day			mg/kg/day
			* Add Molybdei **Add Carnitine				1	
DATE:	TIME:	LIP SIGNATURE:					ID #:	
PARENTERAL NUT	Pacific Ca Pavilion for Womer Providence F 1717 13th S	mpus • 1321 Colby Ave. mpus • 916 Pacific Ave. n and Children • 900 Pacific Ave. legional Cancer Partnership treet • Everett, WA 98201		CE PA	ATIEN	T LABI	EL HE	RE
GUIDELINES ON BA		26958 (03/24/11)	Birthdate: _					
		20300 (UJ/24/11)						

## GUIDELINES FOR NEONATAL AND INFANT (LESS THAN 1 YEAR ) PARENTERAL NUTRITION Total Daily Fluid Guidelines Trace Elements Added Per Protocol

Total Daily Fluid Guidelines				
Newborn guidelines in ml/kg/day				
	- 25 weeks	26-32 weeks	• 33 weeks	
Day 1	100-120	80-100	60-80	
Day 2	120-140	100-120	80-100	
Day 3	140-160	120-140	100-120	
Older Infant				

0.00	
Less than 10 kg	100 ml/kg
10-20 kg	1000 ml +50 ml/kg for
	every kg above 10 kg

## Nutrient Requirements

Traditionic recognitionico				
	Preterm	Term	6-12 mos.	
Kcal/kg/d	90-120	90-108	80-100	
Lipids	gm/kg/day			
Begin at	1	1	1	
Advance daily as tolerated	1	0.5		
Goal	3	3	2.5-3	
Protein		gm/kg/day		
Begin at	3	2	2	
Advance as tolerated by	0.5-1	1	1	
Goal	3.5-4	2.5-3	2-2.5	
Dextrose	n	ng/kg/minute	:	
Begin at	4-6	6-7	6-7	
Advance daily as tolerated	2	2	2	
Goal	10-12	12-14	12-14	

Electrolyte and Mineral Requirements					
-	Preterm	Term			
	mEq/kg/day	mEq/kg/day			
Sodium	3-4.5	2-4			
Potassium	2-3	2-4			
Chloride	2-3	2-4			
Acetate No specific requirements; add as needed					
to maintain acid-base balance					
Phosphorus	1.5-2.5 mMol/kg/day 0.5-2 mMol/kg/day				
1 mEq K Phos = 1 mEq K + 1.3 mEq phosphate (=0.65 mMol					
phosphate) = 20 mg Phos					
1 mEq Na Phos = 1 mEq Na + 1.5 mEq phosphate (=0.75 mMol					
phosphate) = 23 mg Phos					
Magnesium	0.35-0.6	0.25-1			
Calcium	3-4.5	0.5-3			
1 mEq Calcium = 20 mg Ca = 0.5 mMol Ca					

Vitamin Requirements Added Per Protocol						
Dosing		2 ml/kg		M	Maximum 5 ml	
MVI Pediatric® - content per 5 ml						
Vitamin	Units		Vitamir	1	Units	
Α	2300 units		B5		5 mg	
D	400 units		В6		1 mg	
E	7 mg		B12		1 mcg	
B1	1.2 mg		С		80 mg	
B2	1.4 mg		Biotin		20 mcg	
В3	17 mg		Folic Ac	id	140 mcg	
K	200	mcg				

Optimal Calcium to Phosphate ratio = 1.3-1.7: 1(mg)

Trace Elements Added Per Protocol					
Preterm		Term		Daily Max	
	Dosin	g in mcg/kg/	day		
Chromium	0.2	0.2		5 mcg	
Copper	20	20		300 mcg	
Manganese	1	1		50 mcg	
Zinc	400	250		5000 mcg	
Trace Elements					
Molybdenum	0.25	0.25		5 mcg	
Selenium	2	2		30 mcg	
Carnitine	10	10		150 mg	
1					

KCAL Calculations	
% Dextrose xml/day x 0.034 =	Kcal/day P N
% Dextrose xml/day x 0.034 =	Kcal/day Drips
gm/kg/day protein x kg x 4.3 =	Kcal/day Protein
ml/day lipids 20% x 2 =	Kcal/day
Enteral Kcal =	Kcal/day
Total Kcal	Kcal/day
kg	Kcal/kg/day

DEXTROSE INFUSION RATE		
% x ml/kg/day 144 =mg/kg/min		
PROTEIN REQUIREMENTS		
gm/kg/day x kg = gm/dayml PN/day x 100 = %		

0.5 units/ml heparin for all rates < 20 ml/hr

**Heparin Guidelines for PICC Lines** 

	<b>PROVIDENCE</b>
- 1	Regional Medical Con-

Everett

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Providence Regional Cancer Partnership
1717 13th Street • Everett, WA 98201

PARENTERAL NUTRITION INFANT (LESS THAN 1 YEAR) ORDER (08/11) GUIDELINES

26958 (03/24/11)

PLACE PATIENT LABEL HERE