APPENDIX A: ADULT PARENTERAL NUTRITION ORDER FORM

new order(s) ar	•	tial in the colu	ımn prov	vided. Orders comple		-	•	rsing will list the time the equire recopying. They			
ORDER NUMBER	PROVIDER: DATE, TIME, & SIGN EACH PAGE OF ORDERS										
NOIVIBLIX	ADULT PARENTERAL NUTRITION ORDER FORM										
Date:					Service:		Allergies:				
	C	Check and con	nplete a _l	opropriate orders, w	where indicated. All order amounts are PER 24 HOURS						
1. Access Ro	oute:	Central	☐ Peri	pheral (must be less	than 900 mOsm/li	iter; intended for s	hort term use only	·)			
2. Rate of In	fusion:	☐ Infuse	over 24	hours (rate determi	ned by pharmacy, h	nased on final volu	me	·			
		Cyclic			to _						
3. Base Forr	nula:		ı		ľ		T				
Nutrients				Total Volume	Amino	o Acids	(Carb	Dextrose ohydrate, CHO)			
Premix Central Formula			1000 mL			500 mL	50% 500 mL				
withOUT electr	olytes		1000 1112			ns protein)		grams dextrose)			
			mL		Please use 500 mL increments, wh		25%mL				
						(42.5 grams protein/ 500 mL)		ns dextrose/ 500 mL)			
Custom Par	enteral Formula	ation				10%mL		50%mL			
			(no	ot include lipids)		 otein/ 500 mL)		as dextrose/ 500 mL)			
				□ 15%	mL		70%mL				
					otein/ 500 mL)		is dextrose/ 500 mL)				
4. Lipids:	20% fat emul	sion (2 kcal/m	ıL)	500 mL 250 mL	Infuse IV over 12	hours every da	ay 🗌 everyda	ys			
5. Electrolyt	es and Additive	es (per 24 hr l	nag)								
	dard Electrolyte			Customi	ed Electrolytes		Additives (pe	er 24 hr bag)			
S	odium 35mEq			Sodium chloride _	mEg	□Trace	e Elements 1 mL				
	sium 20 mEq,			Sodium acetate _		☐ Multi	i-Vitamins 10 mL				
Chloride 35mEq			Potassium chlorid			rbic acid mg					
Acetate 29.5meq package Magnesium 5 mEq			Potassium acetate Sodium phosphate		Kanit	itidinemg ılin units					
_	lcium 4.5mEq	(usual 1-2,	/day)	Potassium phosph		l =	in insulin infusion				
(Hospira TPN Lytes 20 mL)			Magnesium sulfat	emEq	Phyto	onadione 10mg every Monday					
Does not contain phosphate			Calcium Gluconate	emEq	Othe	r:					
NOTE: Maximu	m calcium:phos	phate ratio =	50 (see	reverse for calculati	on)	•					
6. Additiona											
a. Labs				(BMP), albumin, live		f not done in last 2	4 hours)				
	= '	lbumin, trigly	•	ncium, magnesium,	priospriate						
				rs; discontinue if BG	< 150 x 4; call MD	for >150 for two se	equential checks if	not ordered for insulin			
b. For initial	order (first bag): Please notii	fy dietici	an and pharmacist,	to complete patien	it assessment.					
c. Strict I/O'	s, daily weight										
d. Infuse tot	al parenteral nu	utrition (TPN)	thru a d	edicated line.							
e. Use an in-	line filter (0.2 n	nicron filter fo	or non li	pid containing and 1	.2 micron filter for	lipid containing TP	N)				
f. For discontinuation of the TPN, cut the rate by 50% for 60 minutes, then stop (to prevent hypoglycemia)											
PATIENT IDENT	TFICATION										
					Signature Date/Time						
					(Printed Name)						
LRMC ADULT P	LRMC ADULT PARENTERAL NUTRITION ORDER FORM				Nursing Unit	Room No.	Bed No.	Page No. 1			

MEDCOM FORM	688-R (MCHO)	PREVIOUS EDITIONS ARE GUIDELINES			7(rev) 2 Mar 99 ARENTERAL NU	•	prvl, 4 Feb 9	99			
SUBSTRAT)	COMMENTS									
DEXTROSE 3. (Carbohydrate/CHO)		.4 kcal/one gram dextros	CHO tolerance ranges from 2-5 mg/kg/minute. Maximum CHO utilization/tolerance average is 4 mg/kg/minute: 4 x (weight in kg) x 1.44 = grams CHO/day								
AMINO ACIDS (Protein/AA)	4	.0 kcal/one gram protein	6.25 gm protein per 1 gm Nitrogen. Dosage depends on degree of stress/injury renal/liver function								
LIPID (Fat)		.0 kcal/ one gram fat		Not to exceed 30% of total kcals or 0.8 grams fat/kg							
		20% = 2.0 kcal/mL) Propofol = 1.1 kcal/mL)									
ADDITIVES	,	<u> </u>									
Electrolyte	es	Normal Range of	Daily Require	ments Recommended Maximum per Liter							
•		-15 mEq/day (5 mEq/lite		(up to) 10 mEq (when combined with P)							
Magnesium	8-2	24 mEq/day (5 mEq/liter)		(up to)	(up to) 15 mEq						
Potassium	90	-240 mEq/day (20-50 mE	q/liter)		(up to) 80 mEq						
Sodium	60	-150 mEq/day (20-50 mE	q/liter)	ange							
Acetate	80	-120 mEq/day (30-50 mE	120 mEq/day (30-50 mEq/liter)					Wide Range			
Chloride	60	-150 mEg/day (20-50 mE		Wide Range							
Phosphorus**	30	-50 mMol/day (10-15 mN	/lol/liter)		(up to) 30 mMol (when combined with Ca)						
*Calcium gluconat	te provides appi	roximately 5 mEq Ca/grar	n								
**Potassium phos	phate provides	0.68 mMol phosphate/1	mEq K; sodiu	m phosphat	e provides 0.75	mMol pho	sphate/1 m	nEg Na			
/itamins:		amin package (10 mL) pro						<u> </u>			
		00 units (1 mg)	Ascorbic Acid 200 mg Riboflavin (B2) 3.6 mg			5 mg	Folic acid 600 mcg				
	` '	(D) 200 units(5 mcg)	Thiamine (B1) 6 mg Pyridoxine (B6) 6 mg			•	Cyanocobalamin (B12) 5 mcg				
	_) 10 units (10 mcg)	Pantothenic acid 15mg			0	Niacinamide 40 mg				
	Phytonadione	, , ,	Biotin 60 mcg				111461114111				
Trace Elements:		, ,									
	One dose of 1 mL should be administered daily except with renal failure and/or liver dysfunction. One trace minerals package provides the following:										
	Additional supplementation of trace elements may be required based upon degree of stress, injury or disease state *Additional 2.0 mg Zing/day in acute catabolism: 12.2 mg/L small bowel fluid lesses: 17 mg/kg stool or ileastomy output										
	*Additional 2.0 mg Zinc/day in acute catabolism; 12.2 mg/L small bowel fluid losses; 17 mg/kg stool or ileostomy output Selenium should be supplemented with long-term parenteral nutrition (60 micrograms/day).										
Pogular Inculing		* * * * * * * * * * * * * * * * * * * *	<u> </u>		•	• •		ded to parentral nutrition			
Regular Insulin:		ald be in amounts <u>no less</u>									
Calcium:	Phosphate ca	· ·		****	, <u></u>						
		ter (mEq) + [2 x PO4 in ea	ch liter (mMo	l)] must be l	ess than or equ	al to 50. to	prevent pr	ecipitation of CaPO₄			
GENERAL REQUIR			·		•						
	Kcals:	25-35 kcal/kg dry weig	ght								
		25-30 kcal/kg dry weight for ventilated pts									
	Protein:	1.0-1.5 grams protein/kg									
		1.5-2.0 grams protein,	1.5-2.0 grams protein/kg in trauma/head injury								
		In obese pts: use IBW	n obese pts: use IBW to calculate protein needs								
	Fluid:	30-35 mL/kg									
OSMOLARITY (m0											
	СНО	mOsm/L	Protein		mOsm/L	Fat		mOsm/L			
	D ₁₀ W	505	AA 8.5%		890		lipids	260			
D ₂₀ W		1010	AA 10%		1000	2070					
	D ₂₀ W	1515	AA 15%		1500						
	2 30 ₹ ₹	1313	, (7, 13/0			1		i			