	Neonatal Parenteral Nutrition Overview Loth		
	Preterm g	estation <28/40 & weight <750g	
Day 1	10% Sodium Free Bag (2.27g)	Aqueous 78ml/kg/day (max on day one)	
		Lipid 12ml/kg/day (0.5ml/kg/hour)	
		Total 90ml/kg/day	
Day 2	10% Sodium Free Bag (2.27g)	Aqueous 108ml/kg/day	
·		Lipid 12ml/kg/day (0.5ml/kg/hour)	
		Total 120ml/kg/day	
Day 3	12.5% Standard Bag (2.88g)	Aqueous 125ml/kg/day (max rate)	
,		Lipid 18ml/kg/day (0.75ml/kg/hour)	
		Total 143ml/kg/day	
	Preterm ges	tation <28/40 & weight 750-1500g	
Day 1	10% Sodium Free Bag (2.27g)	Aqueous 63ml/kg/day	
Day 1	2070 30 didiii 17 ee Bag (2.12.7g)	Lipid 12ml/kg/day (0.5ml/kg/hour)	
		Total 75ml/kg/day	
Day 2	10% Sodium Free Bag (2.27g)	Aqueous 88ml/kg/day	
Day 2	2070 30didiii 11ee Bag (2.27g)	Lipid 12ml/kg/day (0.5ml/kg/hour)	
		Total 100ml/kg/day	
Day 3	12.5% Standard Bag (2.88g)	Aqueous 107ml/kg/day	
Days	12.370 Staridar a Bag (2.30g)	Lipid 18ml/kg/day (0.75ml/kg/hour)	
		Total 125ml/kg/day	
Day 4	12.5% Standard Bag (2.88g)	Aqueous 125ml/kg/day	
Day 4	12.370 Standard Bag (2.00g)	Lipid 18ml/kg/day (0.75ml/kg/hour)	
		Total 143ml/kg/day	
	Preterm gest	ration >28/40 & weight 750 – 1500g	
Day 1	12.5% Standard Bag (2.88g)	Aqueous 63ml/kg/day	
Day 1	12.5% Standard Bag (2.86g)	Lipid 12ml/kg/day (0.5ml/kg/hour)	
		Total 75ml/kg/day	
Day 2	12.5% Standard Bag (2.88g)	Aqueous 88ml/kg/day	
Day 2	12.5% Standard Bag (2.88g)	Lipid 12ml/kg/day (0.5ml/kg/hour)	
		Total 100ml/kg/day	
Day 3	12.5% Standard Bag (2.88g)	Aqueous 107ml/kg/day	
Day 3	12.5% Standard Bag (2.50g)	Lipid 18ml/kg/day (0.75ml/kg/hour)	
		Total 125ml/kg/day	
Day 4	12.5% Standard Bag (2.88g)	Aqueous 125ml/kg/day	
Day 4	12.5% Standard Bag (2.86g)	Lipid 18ml/kg/day (0.75ml/kg/hour)	
		Total 143ml/kg/day	
	Protorm go	estation >28/40 & weight > 1500g	
Day 1	1		
Day 1	12.5% Standard Bag (2.88g)	Aqueous 48ml/kg/day Lipid 12ml/kg/day (0.5ml/kg/hour)	
Day 2	12 F0/ Ctondond Dog (2 00g)	Total 60ml/kg/day	
Day 2	12.5% Standard Bag (2.88g)	Aqueous 68ml/kg/day	
		Lipid 12ml/kg/day (0.5ml/kg/hour)	
D= 2	12 F0/ Chandand Day (2 CO)	Total 80ml/kg/day	
Day 3	12.5% Standard Bag (2.88g)	Aqueous 82ml/kg/day	
		Lipid 18ml/kg/day 0.75ml/kg/hour)	
D= 4	12 F0/ Chandand Day (2 CC)	Total 100ml/kg/day	
Day 4	12.5% Standard Bag (2.88g)	Aqueous 100ml/kg/day	
		Lipid 18ml/kg/day (0.75ml/kg/hour)	
	12.50(.0)	Total 118ml/kg/day	
Day 5	12.5% Standard Bag (2.88g)	Aqueous 125ml/kg/day (max rate)	
		Lipid 18ml/kg/day (0.75ml/kg/hour)	
		Total 143ml/kg/day	

Neonatal Parenteral Nutrition Overview

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Term gestation			
Day 1	12.5% Standard Bag (2.88g)	Aqueous 48ml/kg/day	
		Lipid 12ml/kg/day (0.5mlkg/hour)	
		Total 60ml/kg/day	
Day 2	12.5% Standard Bag (2.88g)	Aqueous 68ml/kg/day	
		Lipid 12ml/kg/day (0.5ml/kg/hour)	
		Total 80ml/kg/day	
Day 3	12.5% Standard Bag (2.88g)	Aqueous 82ml/kg/day	
		Lipid 18ml/kg/day (0.75ml/kg/hour)	
		Total 100ml/kg/day	
Day 4	12.5% Standard Bag (2.88g)	Aqueous 80ml/kg/day (max rate)	
		Lipid 18ml/kg/day (0.75ml/kg/hour)	
		Total 98ml/kg/day	
If indicated the 10% Sodium Free (2.16g) can be used in term babies at maximum aqueous rate of 110ml/kg/day.			

If indicated the 16% Central bag (3.1g) can be used at these max rates			
Preterm	16% Central Bag (3.1g)	Aqueous 100ml/kg/day	
		Lipid 18ml/kg/day (0.75ml/kg/hour)	
		Total 118ml/kg/day	
Term	16% Central Bag (3.1g)	Aqueous 80ml/kg/day	
		Lipid 18ml/kg/day (0.75ml/kg/hour)	
		Total 98ml/kg/day	

Weaning Lipids is based on aqueous volume as follows:

caning Lipius is bused on addicous voidine as follows.		
Weaning SMOF lipid solution		
When aqueous parenteral nutrition volume is:	SMOF lipid solution should be:	
≥90ml/kg	18ml/kg/day (0.75ml/kg/hr)	
≥60ml/kg	12ml/kg/day (0.5ml/kg/hr)	
≥30ml/kg	6ml/kg/day (0.25ml/kg/hr)	
<30ml/kg	Stop lipid	

Adjusting Lipids based on triglyceride levels:

Triglyceride Level (mmol/l)	Action
<3	Continue current prescription
>3 – 4	Reduce lipid by 0.25ml/kg/hour (e.g. if on 0.75ml/kg/hour, reduce to 0.5ml/kg/hour). Recheck triglyceride in 24 hours.
>4	Hold lipid for 24 hours and repeat triglyceride level. Once triglyceride level <2.7mmol/l, restart lipids at 0.25ml/kg/hour and gradually increase by increments of 0.25ml/kg/hour. Repeat triglyceride level to ensure lipids are well tolerated.