

ROYAL HOSPITAL FOR WOMEN	APPROVED: NCC QUALITY COMMITTEE
DEPARTMENT MANUAL: DIVISION OF NEWBORN SERVICES	DATE: 12 <sup>th</sup> May 2014

**NEWBORN USE ONLY  
GIVEN ON DOCTORS ORDER ONLY**

**LIPID EMULSION – OMEGAVEN and CLINOLEIC MIXTURE**

**ALERT** Unregistered mixture. Needs written parent consent and TGA approval. Speak to Sally Wise, NUM prior to prescription.

**USE** Prevention/Treatment of parenteral nutrition associated cholestasis.

**PRESENTATION** Omegaven 10% and Clinoleic 20% (1:2 ratio) mixed with soluvit and vitalipid is supplied by Baxter in 50 mL syringe or 150ml bag

**Omegaven-Clinoleic Emulsion – 50 mL syringe contains:**

<b>Omegaven 10%</b>	<b>18 mL</b>
<b>Clinoleic 20%</b>	<b>18 mL</b>
<b>Vitalipid 10%</b>	<b>11.2 mL</b>
<b>Soluvit-N reconstituted in WFI</b>	<b>2.8 mL</b>
<b>Total</b>	<b>50 mL</b>

**Omegaven-Clinoleic Emulsion – 150 mL Bag contains:**

<b>Omegaven 10%</b>	<b>54 mL</b>
<b>Clinoleic 20%</b>	<b>54 mL</b>
<b>Vitalipid 10%</b>	<b>33.6 mL</b>
<b>Soluvit-N reconstituted in WFI</b>	<b>8.4 mL</b>
<b>Total</b>	<b>150 mL</b>

**DOSE** Start the lipids at 1 g/kg/day and increase by 1 g each day to 3 g/kg/day depending on plasma triglyceride monitoring

	<b>Dose</b>	<b>Volume to be prescribed</b>
<b>Day 1</b>	<b>1g/kg/day</b>	<b>7.7mls/kg/day</b>
<b>Day 2</b>	<b>2g/kg/day</b>	<b>15.4mls/kg/day</b>
<b>Day 3 and onwards</b>	<b>3g/kg/day</b>	<b>23.1mls/kg/day</b>

**ROUTE** IV infusion

**ADMINISTRATION** Via central and peripheral IV access  
Lipids and delivery tubing should be changed every 48 hours.

**STORAGE** Refrigerate before use. Discard unused portion.

**MONITORING** Plasma Triglycerides - Before each increase and 24 hrs after 3 g/kg/day. Weekly thereafter in some cases.

**COMPATIBLE DRUGS** Check compatibility carefully under each individual drugs in protocol book.

**REFERENCE**

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