



NEONATAL MEDICATION PROTOCOLS

SMOF FAT EMULSION 20% with Soluvit N and Vitalipid N Infant
Created by: NCCU
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NCCU Clinical Guidelines
KEMH/PMH
Perth, Western Australia

DRUG:	SMOF FAT EMULSION 20% with Soluvit N and Vitalipid N Infant (KEMH)						
PRESENTATION:	<p>Prefilled syringes: Each 25mL contains:</p> <table style="margin-left: 40px;"> <tr> <td>20% SMOF fat emulsion</td> <td>18.75 mL</td> </tr> <tr> <td>Soluvit N infant</td> <td>1.25 mL</td> </tr> <tr> <td>Vitalipid N Infant</td> <td>5 mL</td> </tr> </table> <p>1g ~ 6mL of fat emulsion containing vitamins Final fat content of emulsion is 17%</p> <p>KEMH SCN use ONLY</p>	20% SMOF fat emulsion	18.75 mL	Soluvit N infant	1.25 mL	Vitalipid N Infant	5 mL
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ACTION & INDICATION:	<p>Concentrated source of energy and essential fatty acids for babies unable to receive enteral feeding because of immaturity or illness.</p> <p>Contains both water soluble and fat soluble vitamins</p> <p>Included in a total parenteral nutrition regimen</p>						
DOSE:	<p>Commencing dose: 12 mL/kg/d (target 2 g fat/kg/d)</p> <p>Increasing to: 18-20mL/kg (target 3-3.4 g fat/kg/d)</p> <p>Dose increments: 6 mL/kg 24 hourly, not exceeding target dose of 3-3.4 g fat/kg/d).</p> <p>3.4 g/kg/day of fat is equivalent to 20mL/kg/day</p>						
ADMINISTRATION:	<p><i>Do not dilute</i></p> <p>Intravenous infusion:</p> <p>Do not infuse in excess of 0.15g/kg/hour (1mL/kg/hr)</p>						
COMMENTS:	<p>Use with caution in the presence of hepatic disease or unconjugated hyperbilirubinaemia.</p> <p>Rapid infusion may interfere with pulmonary diffusion of gases. Fat overload can occur with rapid infusion.</p> <p>Protect from light. Supplied in amber syringes. Use amber lines</p> <p><i>Do not add medication to fat emulsion syringes containing vitamins.</i></p>						
REFERENCES:	<p>Neofax 2013</p> <p>SMOF Product Information 2010</p> <p>Vitalipid N Product Information 2010</p>						