



NEONATAL MEDICATION PROTOCOLS

METHYLENE BLUE
Created by: NCCU
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NCCU Clinical Guidelines
KEMH/PMH
Perth, Western Australia

DRUG:	METHYLENE BLUE
PRESENTATION:	Ampoule: 50mg in 5mL
ACTION & INDICATION:	<p>A normally dormant reductase enzyme system is activated, which reduces methylene blue to leucomethylene blue, which in turn reduces methaemoglobin to haemoglobin.</p> <p>Higher than recommended doses may accentuate methaemoglobinaemia</p> <p>For the treatment of drug-induced methaemoglobinaemia</p>
DOSE:	<p>1-2mg/kg/dose</p> <p>Dose may be repeated after one hour.</p>
PREPARATION:	May be diluted with Sodium chloride 0.9% if needed to aid administration
ADMINISTRATION:	Give IV over 5 minutes.
ADVERSE EFFECTS:	<p>Blue green discolouration of urine/faeces</p> <p>Nausea, vomiting, diarrhoea, abdominal pain</p> <p>Hypertension</p> <p>Cyanosis</p> <p>Diaphoresis</p> <p>May cause methaemoglobinaemia</p> <p>Contraindicated in patients with G6PD deficiency and renal insufficiency</p>
REFERENCES:	Paediatric Pharmacopoeia 13 th Ed Royal Women's Hospital Melbourne
DATE:	October 2013