



NEONATAL MEDICATION PROTOCOLS

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

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| DRUG: | DOPAMINE |
| PRESENTATION: | Ampoule: 200mg / 5mL |
| ACTION & INDICATION: | Inotropic agent that increases cardiac output and renal perfusion |
| DOSE: | 2 to 20 microgram / kg / minute Begin at 3 microgram / kg / minute and titrate dose according to response. |
| PREPARATION: | Use solution prepared in Pharmacy if available. Diluent: 0.9% Sodium chloride, Glucose 5% and 10%, Glucose and Saline Solutions. Withdraw 30mg of dopamine per kg of baby's weight (0.75mL/kg) and dilute to 50mL with appropriate infusion fluid. This will give the following infusion rates: 0.5mL / hr = 5 microgram / kg / minute 1mL / hr = 10 microgram / kg / minute 1.5mL / hr = 15 microgram / kg / minute If a different concentration is required, refer to the Calculation of Drug Infusion table. |
| ADMINISTRATION: | Intravenous or umbilical venous infusion (umbilical arterial is not the preferred route) |
| ADVERSE EFFECTS & COMMENTS: | Ectopic beats, bradycardia, tachycardia, vasoconstriction, excessive diuresis. Hypertension – blood pressure must be continuously monitored during infusion. Extravasation can cause tissue necrosis. |
| REFERENCES: | Neofax 2012 BNF for Children 2013 |
| DATE: | August 2013 |