

# Yorkshire and Humber Neonatal Operational Delivery Network

## Drug Administration Guide

# Pancuronium

<b>Indication</b>	Muscle relaxation
<b>Dose</b>	100 micrograms/kg initially Followed by 50-100 micrograms/kg every 4-6 hours as needed
<b>Route of administration</b>	Preferably via <b>central line</b> or large peripheral vein due to low pH Slow intravenous injection over 3-5 minutes
<b>To prepare</b>	4mg in 2mL vials (2mg/mL) Can be administered <b>undiluted</b> or can be diluted.  <b>Preferred diluent:</b> sodium chloride 0.9%, glucose 5%  <b>To make 200 micrograms/mL:</b> Withdraw 1mL of pancuronium (2mg/mL) and add to 9mL of diluent to make total volume 10mL
<b>Compatibilities</b>	Aminophylline, caffeine citrate, cefuroxime, dobutamine, dopamine, fentanyl, fluconazole, gentamicin, heparin, hydrocortisone, midazolam, milrinone, morphine, ranitidine, sodium nitroprusside, vancomycin
<b>Known incompatibilities</b>	Parenteral nutrition
<b>Notes</b>	Dosing differs from that stated in the BNFC.  Pancuronium must only be given to babies receiving or about to receive ventilator support.  If there is no compatibility information for specific drugs, do not assume compatibility. For incompatible drugs or those with no compatibility information use a separate line or, for short infusions, flush well between drugs.  For side-effects see the BNFC - <a href="#">Pancuronium BNFC</a>
<b>References</b>	Leeds Teaching Hospitals neonatal prescribing and administration monograph, Bradford Teaching Hospitals neonatal formulary, Handbook on Injectable Drugs Trissel et al, BNFC, Medicines Complete.



The Yorkshire and Humber  
**Neonatal**  
Operational Delivery Network

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Clinicians must accept individual responsibility for using this information and prescribing safely.