

# Hydralazine

**FORM** Ampoules containing 20mg powder for reconstitution.

**INDICATION** Treatment of hypertension

**DOSE RANGE**

**Slow IV Injection**

AGE	DOSE	FREQUENCY	ROUTE
Neonate – 6 months	100 - 500 microgram/kg/dose	Repeated every 4 to 6 hours as necessary Max 3mg/kg/day	IV

**Continuous Infusion** (preferred route in cardiac patients)

AGE	DOSE	FREQUENCY	ROUTE
Neonate – 6 months	12.5 – 50 microgram/kg/hr, adjusted to patients response. Maximum dose 2-3mg/kg/day	Continuous IV infusion	IV

Doses may need to be reduced in patients with impaired renal or hepatic function

**NB.** Hydralazine is inactivated by glucose so do not run with Parenteral Nutrition or any drugs made up in glucose

**PRESCRIPTION OF CONTINUOUS INFUSION**

**1.25mg/kg in 50ml infusion fluid**  
This gives:-  
• 12.5microgram/kg/hour at 0.5ml/hour

**RECONSTITUTION**

Reconstitute a 20mg ampoule of Hydralazine with 1ml Water for Injection.

**DILUTION**

**For slow IV injection:**

Hydralazine 20mg/1ml solution	0.25ml
Sodium Chloride 0.9%	up to 10ml total

Gives a 500 microgram in 1ml solution, Use required volume.

**For continuous IV Infusion:**

**Using the diluted 500microgram/ml solution (see above)**  
2.5 x wt (kg) is the number of ml of 500microgram/ml to be diluted up to 50ml total with infusion fluid (equivalent to **1.25mg/kg in 50ml**)

**METHOD OF ADMINISTRATION**

**For slow IV injection**

Administer over 20 minutes to avoid rapid reduction of blood pressure.

**For continuous Infusion**

By continuous intravenous infusion, flow rate adjusted according to the baby's response (see prescription section for details).

# West of Scotland NEONATAL PARENTERAL Drug Monographs

## COMPATIBILITY

<b>Solution compatibility</b>	sodium chloride 0.45%, sodium chloride 0.9%
<b>Solution incompatibility</b>	<b>glucose 5%, glucose 10%,</b>
<b>IV Line compatibility</b>	Dobutamine (in NaCl) , dopamine (in NaCl), heparin, potassium chloride in NaCl),
<b>IV Line incompatibility</b>	furosemide, TPN, <b>any infusion made up in glucose</b>

**THIS LIST IS NOT EXHAUSTIVE PLEASE CONTACT PHARMACY FOR FURTHER INFORMATION ON COMPATIBILITY WITH ANY MEDICINES NOT INCLUDED**

## CAUTIONS, CONTRA-INDICATIONS AND SIDE EFFECTS

See Summary of Product Characteristics and most recent edition of BNF for Children (links below)

**PH** 3.4 – 4.4

**LICENSED STATUS** Not licensed for use in children.

**LINKS** [BNF for Children](#) / [Electronic Medicines Compendium](#):

**APPLICABLE POLICIES** [West of Scotland Neonatal Guidelines](#):

Consult local policy if applicable

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**Administer reconstituted solutions immediately.**

**All vials, ampoules and infusion bags are for single use only unless otherwise stated.**

Dose may vary depending on indication, age, renal function, hepatic function, and concomitant medications. This monograph should be used in conjunction with the package insert, BNF for Children, and Summary of Product Characteristics. For further advice contact your clinical pharmacist or pharmacy department.