

Octreotide

FORM Ampoule containing 50micrograms in 1ml

INDICATION Hyperinsulinaemia

DOSE RANGE – SUBCUTANEOUS INJECTION

AGE	DOSE	FREQUENCY	ROUTE
Neonate – 6months	1.25 - 5microgram /kg	FOUR times daily	SC injection

DOSE RANGE – CONTINUOUS INFUSION

AGE	DOSE	FREQUENCY	ROUTE
Neonate – 6months	0.2 – 0.8microgram/kg/hr OR 6 – 20micrograms/kg/day	Continuous Infusion	IV/SC Infusion

PRESCRIPTION OF CONTINUOUS INFUSION

50micrograms in 10ml sodium chloride 0.9%

This gives:-

- 6microgram/kg/day at 0.05ml/kg/hr
- 12microgram/kg/day at 0.1ml/kg/hr
- 20microgram/kg/day at 0.17ml/kg/hr

Babies weighing <2kg and requiring small doses must be discussed with pharmacy regarding administration, since above flow rates will be too low to run via syringe driver infusion pump.

RECONSTITUTION

Already in solution

DILUTION

For subcutaneous injection

Dilution not required, use neat 50microgram/ml solution

Dose guide:

- 1ml = 50micrograms
- 0.5ml = 25micrograms
- 0.3ml = 15micrograms

For continuous infusion

Octreotide 50microgram/ml	1ml
sodium chloride 0.9%	Up to 10ml total

To give a 50microgram in 10ml solution

This gives:-

- 6microgram/kg/day at 0.05ml/kg/hr
- 12microgram/kg/day at 0.1ml/kg/hr
- 20microgram/kg/day at 0.17ml/kg/hr

METHOD OF ADMINISTRATION

For subcutaneous injection

By subcutaneous injection via insuflon. Do not flush after dose has been administered.

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 IV Drug Monographs

This preparation must be changed every 8 hours and **MUST** be run in a separate line, due to octreotide instability

COMPATIBILITY **DO NOT MIX WITH ANY OTHER MEDICATIONS OR FLUIDS**

CAUTIONS, CONTRA-INDICATIONS AND SIDE EFFECTS

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

FURTHER INFORMATION To reduce local discomfort, let the solution reach room temperature before subcutaneous injection.

LICENSED STATUS

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

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

Consult local policy if applicable

Document Number:	001	Supersedes:	Nil
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Date prepared	October 2018	Date updated	
Updated by		Review Date	October 2021

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.