

Enoxaparin

FORM Pre-filled syringe containing 20mg in 0.2ml

INDICATION

- 1) Treatment of thrombotic episode
- 2) Prophylaxis of thrombotic episode

DOSE RANGE

1) TREATMENT of thrombotic episode

AGE	DOSE	FREQUENCY	ROUTE
< 2 months	2mg/kg	Twice daily	s/c
2 – 6 months	1mg/kg	Twice daily	s/c

2) PROPHYLAXIS of thrombotic episode

AGE	DOSE	FREQUENCY	ROUTE
< 2 months	0.75mg/kg	Twice daily	s/c
2 – 6 months	0.5mg/kg	Twice daily	s/c

RECONSTITUTION Not required

DILUTION

Enoxaparin 20mg/0.2ml	0.2ml
Water for injection	up to 2ml total

This gives a 10mg/ml solution. Use required volume

Doses greater than 5mg should be given undiluted as the maximum recommended subcutaneous volume for a neonate is 0.5ml.

METHOD OF ADMINISTRATION

Subcutaneous injection.

Do not mix with any other injections or infusions

CAUTIONS, CONTRA-INDICATIONS AND SIDE EFFECTS

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

West of Scotland NEONATAL Parenteral Drug Monographs

MONITORING

Check a heparin assay 4 hours post dose.

Target treatment range = 0.5 - 1.0 u/ml

Target prophylactic range = 0.3 - 0.5 u/ml

Enoxaparin **Treatment Dose** Adjustments based on monitoring results
(Table from Paediatric Thromboembolism and Stroke protocols, Maureen Andrew)

Heparin Assay (units/ml)	Enoxaparin Dose Adjustment	Subsequent monitoring
<0.35	Increase by 25%	4 hours post next dose
0.35 – 0.49	Increase by 10%	4 hours post next dose
0.5 - 1	Not required	Weekly (4hrs post dose)
> 1 – 1.5	Decrease by 20%	4 hours post next dose
>1.5 - 2	Decrease by 30%	4 hours post next dose
> 2	Hold all further doses and measure heparin assay every 12 hours until the result is <0.5units/ml. Then restart enoxaparin at 40% less than previous dose.	

NB. The advice in this table assumes there is no bleeding

FURTHER INFORMATION

- Avoid using multidose vial as this contains benzyl alcohol
- Enoxaparin sodium 20 mg is equivalent to 2,000 IU anti-Xa activity

LICENSED STATUS

Unlicensed use

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.