

Presentation

Vial containing 500 mg tranexamic acid in 5ml (100 mg/ml).

Indications

- Patients with **TIME CRITICAL** injury where significant internal/external haemorrhage is suspected.
- Injured patients fulfilling local Step 1 or Step 2 trauma triage protocol – **refer to Appendix in trauma emergencies overview (adults).**

Actions

Tranexamic acid is an anti-fibrinolytic which reduces the breakdown of blood clot.

Contra-indications

- Isolated head injury.
- Critical interventions required (if critical interventions leave insufficient time for TXA administration).
- Bleeding now stopped.

Side Effects

Rapid injection might rarely cause hypotension.

Additional Information

- There is good data that this treatment is safe and effective (giving a 9% reduction in the number of deaths in patients in the CRASH2 trial).
- There is no evidence about whether or not tranexamic acid is effective in patients with head injury; however there is no evidence of harm.
- High dose regimes have been associated with convulsions; however, in the low dose regime recommended here, the benefit from giving TXA in trauma outweighs the risk of convulsions.
- Refer to local PGD for information on administration procedures.

Dosage and Administration

Route: Intravenous only – **administer SLOWLY over 10 minutes – can be given as 10 aliquots administered 1 minute apart.**

AGE	INITIAL DOSE	REPEAT DOSE	DOSE INTERVAL	CONCENTRATION	VOLUME	MAXIMUM DOSE
>12 years – Adult	1 gram	NONE	N/A	100 mg/ml	10 mls	1 gram
11 years	500 mg	NONE	N/A	100 mg/ml	5 mls	500 mg
10 years	500 mg	NONE	N/A	100 mg/ml	5 mls	500 mg
9 years	450 mg	NONE	N/A	100 mg/ml	4.5 mls	450 mg
8 years	400 mg	NONE	N/A	100 mg/ml	4 mls	400 mg
7 years	350 mg	NONE	N/A	100 mg/ml	3.5 mls	350 mg
6 years	300 mg	NONE	N/A	100 mg/ml	3 mls	300 mg
5 years	300 mg	NONE	N/A	100 mg/ml	3 mls	300 mg
4 years	250 mg	NONE	N/A	100 mg/ml	2.5 mls	250 mg
3 years	200 mg	NONE	N/A	100 mg/ml	2 mls	200 mg
2 years	200 mg	NONE	N/A	100 mg/ml	2 mls	200 mg
18 months	150 mg	NONE	N/A	100 mg/ml	1.5 mls	150 mg
12 months	150 mg	NONE	N/A	100 mg/ml	1.5 mls	150 mg
9 months	150 mg	NONE	N/A	100 mg/ml	1.5 mls	150 mg
6 months	100 mg	NONE	N/A	100 mg/ml	1 ml	100 mg
3 months	100 mg	NONE	N/A	100 mg/ml	1 ml	100 mg
1 month	50 mg	NONE	N/A	100 mg/ml	0.5 ml	50 mg
Birth	50 mg	NONE	N/A	100 mg/ml	0.5 ml	50 mg