

Paediatric Stroke – Emergency management in children – Alteplase

This document forms part of the statewide guideline for [Paediatric Stroke – Emergency management in children](#)

Alteplase prescription and administration in Paediatric Acute Ischaemic Stroke



ALERT - THIS IS A HIGH-RISK MEDICATION

Ensure correct dose - a 10x error is potentially lethal

Prescribers and Staff reconstituting/administering this drug should not be interrupted

The Total Dose of Alteplase is 0.9mg/kg (maximum 90mg) administered as two parts a LOAD followed by an INFUSION

LOAD – 0.09mg/kg (10% of total dose) maximum of 9mg – given as a push over 1 minute

Followed by

INFUSION – 0.81mg/kg (90% of total dose) maximum of 81mg – infused over 59 minutes.

Reconstitution/Dilution

Dilute to 1 mg/mL regardless of ampoule strength

Each 10mg vial of Alteplase is to be reconstituted with the supplied diluent (10mL of Water for Injection)

Each 50mg vial of Alteplase is to be reconstituted with supplied diluent (50mL of Water for Injection)

Do not shake, use gentle inversion only

Route and Method of Administration

- Alteplase should be administered intravenously
- The use of Dose Error Reduction (DERS) software is recommended for the INFUSION.

Compatibility

- Alteplase must be administered via a dedicated IV line
- Sodium Chloride 0.9% and Water for Injection.



10-13kg

Alteplase for Paediatric Ischaemic Stroke – Vial options 10mg and 50mg

Only in consultation with a Paediatric Neurologist

Administration of Alteplase should NOT OCCUR unless all requirements in *Checklist Prior to Administration of Alteplase for Paediatric Ischaemic Stroke* have been met.

Weight in kg	Drug	Vial concentration	Recommended dose/kg	Preparation		Dose	Dose in mL	Administration dedicated IV line
				Dilution WFI	Final Concentration			
10kg (10-10.49kg)	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	0.9mg	0.9mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	8.1mg	8.1mL	Infuse over 59 mins
10.5kg (10.5-10.99kg)	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	0.95mg	0.95mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	8.5mg	8.5mL	Infuse over 59 mins
11kg (11-11.49kg)	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	0.99mg	0.99mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	8.9mg	8.9mL	Infuse over 59 mins
11.5kg (11.5-11.99kg)	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	1.0mg	1.0mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	9.3mg	9.3mL	Infuse over 59 mins
12kg (12-12.49kg)	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	1.1mg	1.1mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	9.7mg	9.7mL	Infuse over 59 mins
12.5kg (12.5-12.99kg)	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	1.1mg	1.1mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	10.1mg	10.1mL	Infuse over 59 mins
13kg (13-13.49kg)	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	1.2mg	1.2mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	10.5mg	10.5mL	Infuse over 59 mins

14-21kg

Alteplase for Paediatric Ischaemic Stroke – Vial options 10mg and 50mg

Only in consultation with a Paediatric Neurologist

Administration of Alteplase should NOT OCCUR unless all requirements in *Checklist Prior to Administration of Alteplase for Paediatric Ischaemic Stroke* have been met.

Weight in kg	Drug	Vial concentration	Recommended dose/kg	Preparation		Dose	Dose in mL	Administration dedicated IV line
				Dilution WFI	Final Concentration			
14kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	1.3mg	1.3mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	11.3mg	11.3mL	Infuse over 59 mins
15kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	1.4mg	1.4mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	12.2mg	12.2mL	Infuse over 59 mins
16kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	1.4mg	1.4mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	13.0mg	13.0mL	Infuse over 59 mins
17kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	1.5mg	1.5mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	13.8mg	13.8mL	Infuse over 59 mins
18kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	1.6mg	1.6mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	14.6mg	14.6mL	Infuse over 59 mins
19kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	1.7mg	1.7mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	15.4mg	15.4mL	Infuse over 59 mins
20kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	1.8mg	1.8mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	16.2mg	16.2mL	Infuse over 59 mins
21kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	1.9mg	1.9mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	17.0mg	17.0mL	Infuse over 59 mins

22-29kg

Alteplase for Paediatric Ischaemic Stroke – Vial options 10mg and 50mg

Only in consultation with a Paediatric Neurologist

Administration of Alteplase should NOT OCCUR unless all requirements in *Checklist Prior to Administration of Alteplase for Paediatric Ischaemic Stroke* have been met.

Weight in kg	Drug	Vial concentration	Recommended dose/kg	Preparation		Dose	Dose in mL	Administration dedicated IV line
				Dilution WFI	Final Concentration			
22kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	2.0mg	2.0mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	17.8mg	17.8mL	Infuse over 59 mins
23kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	2.1mg	2.1mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	18.6mg	18.6mL	Infuse over 59 mins
24kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	2.2mg	2.2mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	19.4mg	19.4mL	Infuse over 59 mins
25kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	2.3mg	2.3mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	20mg	20mL	Infuse over 59 mins
26kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	2.3mg	2.3mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	21mg	21mL	Infuse over 59 mins
27kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	2.4mg	2.4mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	22mg	22mL	Infuse over 59 mins
28kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	2.5mg	2.5mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	23mg	23mL	Infuse over 59 mins
29kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	2.6mg	2.6mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	23mg	23mL	Infuse over 59 mins

30-37kg

Alteplase for Paediatric Ischaemic Stroke – Vial options 10mg and 50mg

Only in consultation with a Paediatric Neurologist

Administration of Alteplase should NOT OCCUR unless all requirements in *Checklist Prior to Administration of Alteplase for Paediatric Ischaemic Stroke* have been met.

Weight in kg	Drug	Vial concentration	Recommended dose/kg	Preparation		Dose	Dose in mL	Administration dedicated IV line
				Dilution WFI	Final Concentration			
30kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	2.7mg	2.7mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	24mg	24mL	Infuse over 59 mins
31kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	2.8mg	2.8mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	25mg	25mL	Infuse over 59 mins
32kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	2.9mg	2.9mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	26mg	26mL	Infuse over 59 mins
33kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	3.0mg	3.0mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	27mg	27mL	Infuse over 59 mins
34kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	3.1mg	3.1mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	28mg	28mL	Infuse over 59 mins
35kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	3.2mg	3.2mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	28mg	28mL	Infuse over 59 mins
36kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	3.2mg	3.2mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	29mg	29mL	Infuse over 59 mins
37kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	3.3mg	3.3mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	30mg	30mL	Infuse over 59 mins

38-45kg

Alteplase for Paediatric Ischaemic Stroke – Vial options 10mg and 50mg

Only in consultation with a Paediatric Neurologist

Administration of Alteplase should NOT OCCUR unless all requirements in *Checklist Prior to Administration of Alteplase for Paediatric Ischaemic Stroke* have been met.

Weight in kg	Drug	Vial concentration	Recommended dose/kg	Preparation		Dose	Dose in mL	Administration dedicated IV line
				Dilution WFI	Final Concentration			
38kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	3.4mg	3.4mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	31mg	31mL	Infuse over 59 mins
39kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	3.5mg	3.5mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	32mg	32mL	Infuse over 59 mins
40kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	3.6mg	3.6mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	32mg	32mL	Infuse over 59 mins
41kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	3.7mg	3.7mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	33mg	33mL	Infuse over 59 mins
42kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	3.8mg	3.8mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	34mg	34mL	Infuse over 59 mins
43kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	3.9mg	3.9mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	35mg	35mL	Infuse over 59 mins
44kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	4.0mg	4.0mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	36mg	36mL	Infuse over 59 mins
45kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	4.1mg	4.1mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	36mg	36mL	Infuse over 59 mins

46-53kg

Alteplase for Paediatric Ischaemic Stroke – Vial options 10mg and 50mg

Only in consultation with a Paediatric Neurologist

Administration of Alteplase should NOT OCCUR unless all requirements in *Checklist Prior to Administration of Alteplase for Paediatric Ischaemic Stroke* have been met.

Weight in kg	Drug	Vial concentration	Recommended dose/kg	Preparation		Dose	Dose in mL	Administration dedicated IV line
				Dilution WFI	Final Concentration			
46kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength		4.1mg	4.1mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength		37mg	37mL	Infuse over 59 mins
47kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength		4.2mg	4.2mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength		38mg	38mL	Infuse over 59 mins
48kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength		4.3mg	4.3mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength		39mg	39mL	Infuse over 59 mins
49kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength		4.4mg	4.4mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength		40mg	40mL	Infuse over 59 mins
50kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength		4.5mg	4.5mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength		41mg	41mL	Infuse over 59 mins
51kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength		4.6mg	4.6mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength		41mg	41mL	Infuse over 59 mins
52kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength		4.7mg	4.7mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength		42mg	42mL	Infuse over 59 mins
53kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength		4.8mg	4.8mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength		43mg	43mL	Infuse over 59 mins

54-61kg

Alteplase for Paediatric Ischaemic Stroke – Vial options 10mg and 50mg

Only in consultation with a Paediatric Neurologist

Administration of Alteplase should NOT OCCUR unless all requirements in *Checklist Prior to Administration of Alteplase for Paediatric Ischaemic Stroke* have been met.

Weight in kg	Drug	Vial concentration	Recommended dose/kg	Preparation		Dose	Dose in mL	Administration dedicated IV line
				Dilution WFI	Final Concentration			
54kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength		4.9mg	4.9mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength		44mg	44mL	Infuse over 59 mins
55kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength		5.0mg	5.0mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength		45mg	45mL	Infuse over 59 mins
56kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength		5.0mg	5.0mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength		45mg	45mL	Infuse over 59 mins
57kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength		5.1mg	5.1mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength		46mg	46mL	Infuse over 59 mins
58kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength		5.2mg	5.2mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength		47mg	47mL	Infuse over 59 mins
59kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength		5.3mg	5.3mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength		48mg	48mL	Infuse over 59 mins
60kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength		5.4mg	5.4mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength		49mg	49mL	Infuse over 59 mins
61kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength		5.5mg	5.5mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength		49mg	49mL	Infuse over 59 mins

62-69kg

Alteplase for Paediatric Ischaemic Stroke – Vial options 10mg and 50mg

Only in consultation with a Paediatric Neurologist

Administration of Alteplase should NOT OCCUR unless all requirements in *Checklist Prior to Administration of Alteplase for Paediatric Ischaemic Stroke* have been met.

Weight in kg	Drug	Vial concentration	Recommended dose/kg	Preparation		Dose	Dose in mL	Administration dedicated IV line
				Dilution WFI	Final Concentration			
62kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	5.6mg	5.6mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	50mg	50mL	Infuse over 59 mins
63kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	5.7mg	5.7mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	51mg	51mL	Infuse over 59 mins
64kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	5.8mg	5.8mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	52mg	52mL	Infuse over 59 mins
65kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	5.9mg	5.9mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	53mg	53mL	Infuse over 59 mins
66kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	5.9mg	5.9mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	53mg	53mL	Infuse over 59 mins
67kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	6.0mg	6.0mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	54mg	54mL	Infuse over 59 mins
68kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	6.1mg	6.1mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	55mg	55mL	Infuse over 59 mins
69kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	6.2mg	6.2mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	56mg	56mL	Infuse over 59 mins

70-77kg

Alteplase for Paediatric Ischaemic Stroke – Vial options 10mg and 50mg

Only in consultation with a Paediatric Neurologist

Administration of Alteplase should NOT OCCUR unless all requirements in *Checklist Prior to Administration of Alteplase for Paediatric Ischaemic Stroke* have been met.

Weight in kg	Drug	Vial concentration	Recommended dose/kg	Preparation		Dose	Dose in mL	Administration dedicated IV line
				Dilution WFI	Final Concentration			
70kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength		6.3mg	6.3mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength		57mg	57mL	Infuse over 59 mins
71kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength		6.4mg	6.4mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength		58mg	58mL	Infuse over 59 mins
72kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength		6.5mg	6.5mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength		58mg	58mL	Infuse over 59 mins
73kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength		6.6mg	6.6mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength		59mg	59mL	Infuse over 59 mins
74kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength		6.7mg	6.7mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength		60mg	60mL	Infuse over 59 mins
75kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength		6.8mg	6.8mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength		61mg	61mL	Infuse over 59 mins
76kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength		6.8mg	6.8mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength		62mg	62mL	Infuse over 59 mins
77kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength		6.9mg	6.9mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength		62mg	62mL	Infuse over 59 mins

78-85kg

Alteplase for Paediatric Ischaemic Stroke – Vial options 10mg and 50mg

Only in consultation with a Paediatric Neurologist

Administration of Alteplase should NOT OCCUR unless all requirements in *Checklist Prior to Administration of Alteplase for Paediatric Ischaemic Stroke* have been met.

Weight in kg	Drug	Vial concentration	Recommended dose/kg	Preparation		Dose	Dose in mL	Administration dedicated IV line
				Dilution WFI	Final Concentration			
78kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	7.0mg	7.0mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	63mg	63mL	Infuse over 59 mins
79kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	7.1mg	7.1mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	64mg	64mL	Infuse over 59 mins
80kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	7.2mg	7.2mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	65mg	65mL	Infuse over 59 mins
81kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	7.3mg	7.3mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	66mg	66mL	Infuse over 59 mins
82kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	7.4mg	7.4mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	66mg	66mL	Infuse over 59 mins
83kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	7.5mg	7.5mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	67mg	67mL	Infuse over 59 mins
84kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	7.6mg	7.6mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	68mg	68mL	Infuse over 59 mins
85kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	7.7mg	7.7mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength	1mg/mL	69mg	69mL	Infuse over 59 mins

86-≥90kg

Alteplase for Paediatric Ischaemic Stroke – Vial options 10mg and 50mg

Only in consultation with a Paediatric Neurologist

Administration of Alteplase should NOT OCCUR unless all requirements in *Checklist Prior to Administration of Alteplase for Paediatric Ischaemic Stroke* have been met.

Weight in kg	Drug	Vial concentration	Recommended dose/kg	Preparation		Dose	Dose in mL	Administration dedicated IV line
				Dilution WFI	Final Concentration			
86kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength		7.7mg	7.7mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength		70mg	70mL	Infuse over 59 mins
87kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength		7.8mg	7.8mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength		70mg	70mL	Infuse over 59 mins
88kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength		7.9mg	7.9mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength		71mg	71mL	Infuse over 59 mins
89kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength		8mg	8mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength		72mg	72mL	Infuse over 59 mins
≥90kg	Alteplase <u>LOAD</u>	Various strengths	0.09mg/kg	Dilute to 1mg/mL regardless of ampoule strength		8mg	8mL	IV PUSH
	Alteplase <u>INFUSION</u> (after loading dose)	Various strengths	0.81mg/kg	Dilute to 1mg/mL regardless of ampoule strength		72mg	72mL	Infuse over 59 mins