

# Tenecteplase for STROKE

- Final check with Telestroke or ED provider  
(3 checks in 30 seconds) = Time OUT prior to dose being given
  1. Right Patient
  2. Right Medication
  3. Right Dose
- **MAX dose of Tenecteplase is 25 mg (5 mL of reconstituted solution)**
- Tenecteplase can precipitate if giving in an IV line with dextrose.
- It is recommended to flush before and after dose with NS

<b>Key Differences:</b> Tenecteplase is <b>NOT</b> compatible with IV dextrose	<b>Tenecteplase for Stroke:</b>	<b>Compare Alteplase:</b>
BP parameter	< 180/105	< 180/105
Weight-Range based dosing (see Dosing Table)	<b>~ 0.25 mg/kg</b>	0.9mg/kg
Maximum dose	<b>25mg (5ml)</b>	90 mg (9ml bolus)
Concentration	<b>5mg/mL</b>	1mg/mL
Half life	20-25 min	5 min
Pharmacy mix/deliver?	Per Site Policy	Per Site Policy
Timeout/dual sign off?	Yes	Yes
Goal door-to-needle	<b>45</b> min or less	<b>45</b> min or less
Bolus administration	<b>Over 5 sec</b>	Over 1-2 min
Infusion post bolus?	<b>No, bolus only</b>	Yes for 1 hour
Signs and sx to watch for after administration	Bleeding, angioedema, neuro changes	Bleeding, angioedema, neuro changes
Neuro Checks & VS frequency (SNAP)	q15min x 2hrs, q30min x 6hrs, q1hr x 16 hrs	q15min x 2hrs, q30min x 6hrs, q1hr x 16 hrs
Brain bleeding risk	<b>Equivalent or less than alteplase<sup>2-5</sup></b>	6%

# Tenecteplase for STROKE

## Tenecteplase Reconstitution:

1. Use 10 mL syringe with blunt fill needle (supplied in kit) to withdraw 10 mL Sterile water
2. Inject 10 mL sterile water into the Tenecteplase vial
3. Gently swirl the vial (DO NOT SHAKE)
4. Inspect vial for clarity and absence of particulate matter
5. Calculate dose according to patients' actual weight using the weight-range dosing table. (Dose should be about 0.25 mg/Kg)
6. Use 5 mL syringe to withdraw dose
7. MAX dose is 25 mg – There should always be waste

<b>Tenecteplase Dosing Acute Ischemic Stroke</b>		
<b>Concentration: 5 mg/mL</b>		
Dose: 0.25 mg/kg (rounded to nearest mg)		
<b>MAX DOSE: 25mg</b>		
<b>Patient's Actual Weight in KG</b>	<b>Dose (mg)</b>	<b>Dose (mL) (*round to nearest 0.2 mL)</b>
26 - 29.9	7	1.4
30 - 33.9	8	1.6
34 - 37.9	9	1.8
38 - 41.9	10	2
42 - 45.9	11	2.2
46 - 49.9	12	2.4
50 - 53.9	13	2.6
54 - 57.9	14	2.8
58 - 61.9	15	3
62 - 65.9	16	3.2
66 - 69.9	17	3.4
70 - 73.9	18	3.6
74 - 77.9	19	3.8
78 - 81.9	20	4
82 - 85.9	21	4.2
86 - 89.9	22	4.4
90 - 93.9	23	4.6
94 - 97.9	24	4.8
98 kg or greater	25	5