

# Tenecteplase (TNK) for Acute Ischemic Stroke

- Trillium Health Partners will now be utilizing Tenecteplase (TNK) in addition to Alteplase (tPA) for the treatment of ischemic stroke
- Tenecteplase (TNK) will be easier to prepare and administer. Only a bolus is needed. You no longer need to prepare an infusion as you do for alteplase (tPA)
- All thrombolytic treatment indications, inclusion and exclusion criteria remain the same
- Can be given up to 4.5 hours from onset of symptoms
- Monitoring and care of the patient pre and post Tenecteplase (TNK) administration is the same as tPA
- Dosing for Acute Ischemic Stroke is 0.25mg/kg (Max dose 25mg/dose) and is **NOT the SAME** as other indications i.e. Acute ST-Elevation Myocardial Infarction
- **Maximum Dosage of Tenecteplase for Acute Ischemic Stroke is 25 mg = 5 mL**

## Reconstitution of Tenecteplase TNK

- Using 10 mL syringe and needle, withdraw 10 mL of Sterile Water from the supplied diluent vial
- Inject all 10 mL of sterile water into the 50 mg Tenecteplase vial directing the water toward the side of the vial . Slight foaming is not unusual; any large bubbles will dissipate if the product is allowed to stand undisturbed.
- GENTLY swirl the vial to mix completely. DO NOT SHAKE. Solution should be colourless or pale yellow and transparent.

## Administration of Tenecteplase (TNK)

- Determine the correct STROKE dose of Tenecteplase based on patient-weight band dosing. **NOTE:** Ensure you are using the appropriate size syringe (i.e. 3mL or 5mL)
- Perform an independent double check with another qualified healthcare professional (nurse/physician)
- Using an established IV site, flush with 20mL normal saline to ensure patency before Tenecteplase administration. **NOTE:** Do not mix Tenecteplase with any other medications or use any filters on IV tubing
- Administer Tenecteplase as an IV Bolus push over 5 seconds
- Flush with 20mL of normal saline following administration of Tenecteplase

### FOR TREATMENT OF ACUTE ISCHEMIC STROKE

Intravenous Tenecteplase (TNK: 0.25 mg/kg, maximum 25 mg)  
Dosing information (50 mg vial diluted with 10 mL Sterile Water)

Patient Weight (kg)	Tenecteplase Dose (mg)	Volume Tenecteplase to be administered (mL)
30-31	7.6 mg	1.5 ml
32-33	8.1 mg	1.6 ml
34-35	8.6 mg	1.7 ml
36-37	9.1 mg	1.8 ml
38-39	9.6 mg	1.9 ml
40-41	10.1 mg	2.0 ml
42-43	10.6 mg	2.1 ml
44-45	11.1 mg	2.2 ml
46-47	11.6 mg	2.3 ml
48-49	12.1 mg	2.4 ml
50-51	12.6 mg	2.5 ml
52-53	13.1 mg	2.6 ml
54-55	13.6 mg	2.7 ml
56-57	14.1 mg	2.8 ml
58-59	14.6 mg	2.9 ml
Greater than or equal to 60 to less than 70	17.5 mg	3.5 mL
Greater than or equal to 70 to less than 80	20 mg	4 mL
Greater than or equal to 80 to less than 90	22.5 mg	4.5 mL
Greater than or equal to 90	25 mg	5 mL
	<b>MAX DOSE</b>	<b>MAX</b>