

IV Thrombolytic Treatment

All eligible patients with disabling acute ischemic stroke may be offered an intravenous thrombolytic.

Tissue plasminogen activator (tPA) is a clot buster medication that is administered intravenously and restores blood flow to the brain by removing the clot causing the occlusion.

Exclusion Criteria

Intracranial hemorrhage identified on imaging
INR greater than 1.7
Recent surgery in the last 3 months
Currently taking a DOAC (Apixban, Dabigatran, Edoxaban or Riveroxaban)

Adverse Complications

Most common

- Bleeding (systemic or intracranial)

Other

- Bruising (minor/major)
- Angioedema
- Hypersensitivity
- Nausea/Vomiting
- Seizures

Treatment Window



tPA must be administered within **4.5 hours** of stroke symptom onset

Target Door-to-Needle Time
30 minutes

Source: strokebestpractices.ca v0.1 Sept 2022

Mixing tPA

Watch a video on how to mix tPA [Click Here!](#)

