

## ***Northwest Stroke Solutions Stroke Thrombolysis Criteria***

### **Inclusion criteria**

- ▶ Clinical diagnosis of ischemic stroke causing measurable neurologic deficit
- ▶ Onset of symptoms or Last Known Well <4.5 hours
- ▶ Age ≥18 years

### **Exclusion criteria**

#### **Historical**

- ▶ Stroke or head trauma in the previous three months
- ▶ Previous intracranial hemorrhage
- ▶ Intracranial neoplasm, arteriovenous malformation, or aneurysm
- ▶ Recent intracranial or intraspinal surgery
- ▶ Arterial puncture at a noncompressible site in the previous seven days

#### **Clinical**

- ▶ Symptoms suggestive of subarachnoid hemorrhage
- ▶ Persistent blood pressure elevation (systolic ≥185 mmHg or diastolic ≥110 mmHg) despite attempted treatment to reduce
- ▶ Serum glucose <50 mg/dL (<2.8 mmol/L)
- ▶ Active internal bleeding
- ▶ Acute bleeding diathesis, including but not limited to conditions defined in 'Hematologic'

#### **Hematologic**

- ▶ Platelet count <100,000/mm<sup>3</sup>\*
- ▶ Current anticoagulant use with an INR >1.7 or PT >15 seconds\*
- ▶ Heparin use within 48 hours and an abnormally elevated aPTT\*
- ▶ Current use of a direct thrombin inhibitor or direct factor Xa inhibitor with evidence of anticoagulant effect by laboratory tests such as aPTT, INR, ECT, TT, or appropriate factor Xa activity assays

#### **Head CT scan**

- ▶ Evidence of hemorrhage
- ▶ Evidence of a multilobar infarction with hypodensity involving >33 percent of the cerebral hemisphere

#### **Relative exclusion criteria**

- ▶ Only minor and isolated neurologic signs
- ▶ Rapidly improving, non-disabling stroke symptoms
- ▶ Major surgery or serious trauma in the previous 14 days
- ▶ Gastrointestinal or urinary tract bleeding in the previous 21 days
- ▶ Myocardial infarction in the previous 3 months
- ▶ Seizure at the onset of stroke with postictal neurologic impairments
- ▶ Pregnancy

#### **Additional relative exclusion criteria for treatment from 3 to 4.5 hours from symptom onset**

- ▶ Age >80 years
- ▶ Oral anticoagulant use regardless of INR
- ▶ Severe stroke (NIHSS score >25)
- ▶ Combination of both previous ischemic stroke and diabetes mellitus