

STROKE

Get your attending! Time is brain...

tPA Contraindications

Symptom Onset <3 Hours

Age <18
 Bleeding on Head CT
 History Consistent with Hemorrhage (Even if CT normal)
 History of Intracranial Hemorrhage
 Persistent SBP >185 or DBP >110
 Known Intracranial AV malformation, neoplasm, or aneurysm
 Active Internal Bleeding or Trauma
 Platelet Count <100,000
 Elevated PTT/PT/INR with Anticoagulant Use
 Non-Compressible Arterial Puncture (within 7 days)
 Head Trauma, Surgery, or Stroke (within 3 months)
 Recent Intracranial/Spinal Surgery
 FSBG <50
 Seizure at Stroke Onset

Symptom Onset <4.5 Hours

All of the Above PLUS
 Age >80
 History of Prior Stroke AND Diabetes
 ANY Anticoagulant Use (even if labs normal)
 Multi-lobe Infarction on CT (>1/3 hemisphere)
 NIHSS >25

Reference: Tintinallis and mdcalc.com

Approach to Stroke

1) Determine the Last Known Well

2) Finger Stick Blood Glucose

3) STAT CT Head (Without Contrast)

4) Perform NIHSS Stroke Scale

Alert? (0-3 points)

Oriented? (0-2 points)

Follows Commands? (0-2 points)

Extra Ocular Movements? (0-2 points)

Visual Fields? (0-3 points)

Facial Motor? (0-3 points)

Left Arm Motor? (0-4 points)

Right Arm Motor? (0-4 points)

Left Leg Motor? (0-4 points)

Right Leg Motor? (0-4 points)

Upper Ext or Lower Ext Ataxia? (0-3 points)

Sensory? (0-2 points)

Language? (0-3 points)

Dysarthria? (0-3 points)

Extinction and Inattention? (0-2 points)

5) Give tPA (If No Contraindications)