UNMH Pediatric Acute Ischemic Stroke Protocol

Revised 8/2017
Stroke Program

Protocol Inclusion Ages
Ages 2-17. Also including age 18 with medical complexity and followed by pediatric subspecialty service.

Inclusion Stroke Symptoms: Acute unilateral weakness.

Additional Stroke Symptoms: Unilateral numbness, speech-language difficulty, speech loss of vision/double vision, loss of balance/coordination, new focal seizure.

Alteplase Exclusion Criteria
- Underlying bleeding disorder
- Major surgery or parenchymal biopsy within 24 hours of presenting to UNMH PED
- Known cerebral AVM
- Underlying vasculitis
- Large territory infarct
- Aneurysm
- Asymptomatic large vessel occlusion
- Suspected bacterial endocarditis
- Large territory infarct
- Malignancy or within 1 month of completing cancer treatment
- Known allergy to t-PA

Anticoagulation
- Parental consent
- Physical exam consistent with Acute Ischemic Stroke
- NIHSS ≥ 6

Aalteplase Eligibility Criteria*
- Age ≤ 17 years or < 4.5 hours from symptom onset
- Ischemic stroke on imaging (MR/CT)
- NIHSS ≥ 6
- No exclusions

IA Thrombectomy Guidelines***
- Large vessel occlusion: ICA, MCA, M1, Basilar
- Age ≤ 60 years
- NIHSS ≥ 8
- ≤ 24 hours from symptom onset
- ASPECT score for CT 6-10
- Parental consent
- Final determination by Neurovascular attending (see Neurosurgery call list in am)