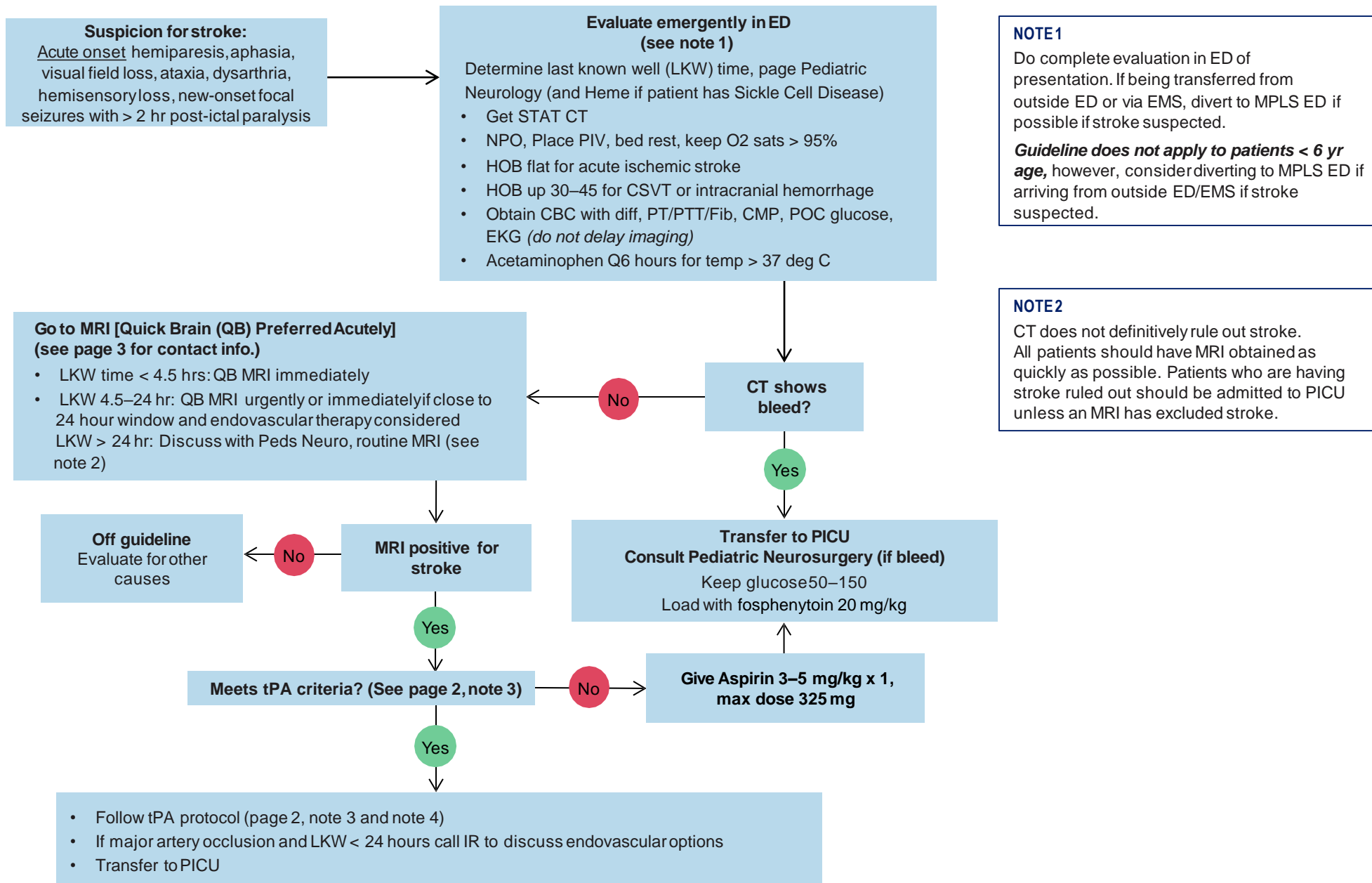


Aim: To standardize evaluation and management of suspected stroke.



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NOTE 3

tPA Protocol (Adapted from CHOP and TIPS trial study criteria)

Inclusion Criteria: Age 6–18 years

- Clinical diagnosis of ischemic stroke with onset within 4.5 hours of treatment initiation
- Confirmed restricted diffusion on MRI
- Symptoms indicate evolving major disabling stroke

Exclusion Criteria:

- Stroke due to: endocarditis, sickle cell, bilateral Moyamoya
- Stroke or head trauma within past 3 months
- Any prior intracranial hemorrhage which might increase risk recurrent hemorrhage
- Major surgery within 14 days
- GI or GU bleeding within previous 21 days
- Arterial puncture at non-compressible site within 7 days
- Lumbar puncture within 7 days
- Rapidly improving stroke symptoms
- CT or SWI MRI with evidence of hemorrhage
- Presentation consistent with acute myocardial infarction (MI) or post-MI pericarditis (requires cardiology evaluation)
- Persistent SBP or DBP ≥ 10 mmHg above the 95th percentile for norms**
- Platelets $< 100,000$
- Glucose < 50 or > 400
- INR > 1.7 if on warfarin
- On heparin therapy within 48 hours and with elevated PTT
- Pregnant or lactating female
- CT with evidence of hypodensity and/or effacement of cerebral or cerebellar sulci in $> 33\%$ of MCA territory (relative contraindication)

NOTE 4**tPA administration:**

- Total dose 0.9 mg/kg (Max dose 90 mg)
- Administer 10% of the dose as an IV bolus over 5 minutes. Infuse remainder over 1 hour via dedicated IV line
- Hold other anticoagulation x at least 24 hours
- Monitor in ICU at least 48 hours
- Avoid invasive procedures (e.g., blood draws, catheters, lines, NG placement) x at least 24 hours

**** BP Normative values: 95% average 24-hr values for children according to age**

Age	Boys	Girls
5	116/74	115/74
6	118/75	116/74
7	119/75	118/74
8	120/75	119/74
9	121/75	120/74
10	123/75	121/75
11	125/76	122/75
12	127/76	123/76
13	130/76	124/76
14	133/77	125/76
15	136/77	125/77
16	138/78	126/77

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Contact information: Minneapolis

Pediatric Neuro On-Call: Amion: Noran/Children's
PICU Attending: 612-813-8563 or Amion
CVCC Attending: 612-813-8411 or Amion
Neuroradiology: 612-813-8200 or Amion
Sedation Coordinator: 612-813-8285
Abbott Neuro Interventional Radiology:
612-863-4359, ext. 3; if unsuccessful,
612-863-1000 will page the on-call radiologist.

Contact information: St. Paul

General Imaging Department: 651-220-6147
Pediatric Neuro On-Call: Amion: Noran/Children's
PICU Attending: 651-220-8563 or Amion
Neuroradiology: 651-220-7125 or Amion
Neuro Interventional Radiology: 651-241-8256

Outpatient Stroke Clinic

2530 Chicago Avenue South, Suite 267
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651-220-5230

Workgroup:

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