Suspected Stroke Imaging Pathway:

Emergency Department and Inpatient Management/SR and AMBH only





SIGNS /SYMPTOMS CONCERNING FOR STROKE

- Use FASTER to evaluate for Stroke
 - Facial droop Arm and/or leg weakness or tingling Stability-ataxia or coordination Talking-aphasia, inability to speak and/or comprehend Eye/Vision abnormality React
- · Consider Stroke for any acute onset altered mental status or new onset focal seizure without a return to baseline

INITIAL PROVIDER ASSESSMENT INCLUSIONS Assess & document time of patient's last known normal ≥2 years of age History/Risk factors¹ Physical assessment (reference NIH Stroke scale) ¹RISK FACTORS GOAL: Assess MRI eligibility²: Time from Stroke Alert to • Safety (i.e. pacemaker, VAD, metal implants, dental Sickle Cell Disease Imaging Start: ≤30 mins hardware, etc...) Congenital Heart Disease Assess need for sedation for imaging **Previous Stroke** NOTE: Lack of risk factors does NOT exclude patients from following this Consult Neurology to Guideline ≥ 72 hours discuss plan-of-care since last seen No need for stroke alert normal? No Activate Stroke Alert LABS INTERVENTIONS By Calling 5-7778 • CMP Manage ABCs CBC-Diff STROKE ALERT TIER I CALL Cardio-Respiratory Monitoring DIC panel Neuro checks w. vital signs • Urine Pregnancy Test (for girls GOAL OF STROKE ALERT CALL: DETERMINE IMAGING PLAN² a30 min of reproductive age) & Drug O₂ PRN to maintain SpO₂≥93% Patient's Attending calls Transfer Center with Stroke Alert NPO Screen Transfer Center conferences in (in this order): Type & Screen Place 20g IV in AC Sat-Sun Mon-Fri CG8 Treat Hypoglycemia Neurology Attending On Call • Neurology Attending On Call • BG Target 60 - 150 mg/dl Neurology Resident On Call Neurology Resident On Call Neuroradiologist On Call (7a-10p) • Neuroradiologist On Call (7a-7p) • Radiologist On Call (10p-7a) • Radiologist On Call (7p-7a) ²IMAGING GUIDANCE CT Technologist CT Technologist MRI Technologist (7a-7p only) • MRI Technologist (7a-7p only) PREFERRED (if immediately available): Neurology resident to assess MRI Brain (Acute Stroke Protocol) patient at the bedside within 30 Contraindications for MRI: STROKE ALERT TIER II VOALTE MESSAGE mins and will determine need for Patient requires intubation and/or Stroke Neurologist involvement. Transfer center to send Voalte alert to the following departments/clinicians sedation to notify them that a patient is being worked up for Stroke: Patient does not pass MRI Safety • CT Team lead, CT Techs, Pharmacist(s), ED Charge RN, ED ANM, PICU Charge Screening RN, PICU Admitting, CICU Float/Call Attending, Hematology Attending On-ALTERNATE (if MRI contraindicated or Call, Neurology Resident on call, Stroke Neurologist, CICU Charge RN, Rapid Unavailable): Order CT Head w/o contrast Response Team, and the House Supervisor CTA Head and CTA Neck. • Cardiac patients to be admitted to CICU instead of PICU CT **MRI** MRI Unavailable or Order MRI Brain (Acute Contraindications CT Head w/o contrast Stroke Protocol)2 Present²? CTA Head & CTA Neck² Radiologist to notify on-call Neurology Attending of results Neurology Attending to call patient's Attending with Results **POSITIVE FOR STROKE NEGATIVE FOR STROKE** Consider common Stroke mimics: Refer to Stroke Treatment Pathway Migraine • Focal seizure with Todd's paralysis Meningitis Encephalitis

Demyelinating Disorder

• Brain tumor