Sickle Cell Disease with “Stroke”:

Emergency Department Management Clinical Practice Guideline (CPG)

Protocol approved by:
Divisions of Pediatric Emergency Medicine and Hematology/Oncology
Date of approval: 6/09

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Sickle Cell Disease with “Stroke”
Clinical Practice Guideline (CPG)

Altered Mental Status, Focal Neurological Findings, and/or Seizures = Possible “Stroke”
ESI Level 1

Notify ED Attending
Immediately Order:
- CBC, reticulocyte count, Blood Culture
- Type and Cross 2 units PRBCs
- IV: NS 10cc/kg bolus
- CT Brain w/o contrast (to r/o CNS bleed)
- PRBC transfusion (target Hb 10-11 gm/dl)

ED physician to Emergently Consult Hematology Attending to determine if emergency exchange transfusion is needed

If fever:
- Follow Sickle Cell Fever CPG
- Consider Lumbar Puncture if meningitis is

Discuss with PICU Attending