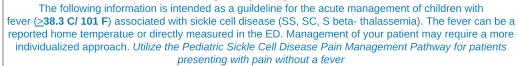


## Pediatric Sickle Cell Disease Fever Management in the Emergency Department





General, Vitals, H&P (ESI TRIAGE LEVEL 2 at minimum): Assess vital signs (including continuous pulse ox), mental, respiratory, and circulatory status; Notify MD if concerned about patient's appearance; Place patient on CR monitor; Apply topical anesthetic to potential IV sites (patients with central venous catheter should be treated utilizing the Fever/Central Line Order Set; Comprehensive History & Physical Examination Assess and Document Pain: Treat pain according to Pediatric Sickle Cell Disease Pain Management Clinical Pathway

Individualzed Care Plan: Look for FYI tab with individualized care plan if one exists for the patient

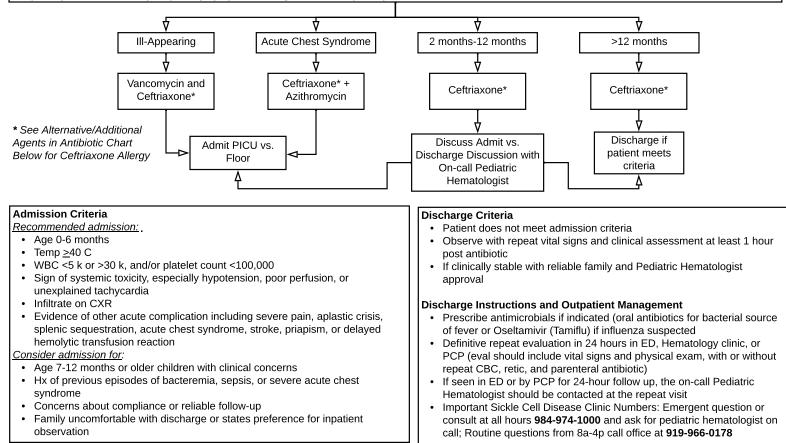
Laboratory and imaging studies on all patients: CBC + differential, Reticulocyte count, Blood culture. In addition: CXR for all patients <5

## Additional interventions and diagnostic testing to be considered:

## <u>IV Fluids</u>: Attempt oral hydration first. If unable to tolerate PO initiate <u>D5 1/2 NS at maintenance or 1.5 X maintenance</u>; AVOID BOLUSING UNLESS REQUIRING ACTIVE RESUSCITATION FOR SIGNIFICANT HEMODYNAMIC INSTABILITY

UA/Urine Cx/Urine Pregnancy: Clinical suspicion for UTI; consider for following if there is no acute focus of infection (girls 2-12 months, uncircumcised boys 2-12 months, circumcised boys 2-12 months, history of UTI or renal anomaly); Urine HCG on post-menarchal girls, girls  $\geq$ 12 years

<u>Type and Screen</u>: pale, tachycardia, ill-appearing; suspected splenic sequestration; Acute chest syndrome; Hgb < 5 g/dl or 20% decrease from baseline; retic <1% <u>CXR</u>: >5 yo with cough, parental report of difficulty breathing/respiratory sx, chest pain, new hypoxemia, or clinical suspicion for pneumonia/acute chest syndrome <u>Respiratory Viral Panel</u>: if any respiratory symptoms during seasonal respiratory outbreaks



## Antibiotics

Medication	Dosage	Notes
Standard Agents		
Ceftriaxone	75 mg/kg IV or IM x 1 (max dose 2 g)	
Severe Illness Agents		
Cefotaxime	100 mg/kg IV x 1 (max dose 2 g)	
Vancomycin	20 mg/kg IV x 1 (max dose 1250 mg)	
Alternative/ Additional Agents		
Levofloxacin	10 mg/kg IV x 1 (max dose 750 mg)	<ul> <li>substitute levofloxacin for known/suspected cephalosporin allergy and NO concern for CNS infection</li> <li>use in combination with Vancomycin for severe febrile illness</li> </ul>
Meropenem	40 mg/kg IV x 1 (max dose 2 g)	- substitute Meropenem for known/suspected cephalosporin allergy in combination with vancomycin for proven/suspeted CNS infection

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