

GUIDELINES FOR MANAGEMENT OF SICKLE CELL PAIN CRISIS IN THE EMERGENCY DEPARTMENT

Triage

Vital signs
 Thorough physical exam / evaluate for other complications.
 Pain scale (age appropriate)
 Pain < 6 (trial of PO pain meds)
 Pain \geq 6 Proceed to IV pain mgt



Obtain IV access
 Obtain labs: CBC, BMP (in case of other complications obtain labs/diagnostics as indicated).

*Give first dose of:

IV Morphine (0.1 – 0.2 mg/kg) **OR**
 IV Hydromorphone (0.05 -0.03 mg/kg) **OR**
 Intranasal (IN) Fentanyl

*And also give IV Ketorolac (0.5mg/kg; max 30mg) **OR** Ibuprofen PO 10mg/kg

*Start IV fluids at maintenance rate.

Complete all of the above within 30 minutes of triage



Reevaluate patient 60 minutes after first medication dose

Pain significantly improved

Yes

No

Give 2nd dose of IV or IN pain medication
 Re-evaluate in 60 min.

Reevaluate patient 60 minutes after second dose

Pain significantly improved

Yes

No

Give 3rd dose of morphine, Hydromorphone or Fentanyl
 Notify hematologist for admission

- Ensure adequate supply of PO pain medication at home (20-30 doses)
- Notify hematologist and discharge.
- Provide SCD pain action plan and ensure scheduled F/U

* Dose amount of morphine/hydromorphone can be patient specific i.e. some patients may need higher doses of opioid from the outset; this information can be