



Emergency Department/Outpatient Hematology Center Pain Management Algorithm for Patients with SCD in VOC

Child w/SCD presents with persistent pain

Assess pain according to appropriate pain scale

Mild pain
(score 1-3)

Moderate/Severe Pain
(score 4-10)

Narcotic given at home w/in last 4h

Give PO morphine 0.3-0.5mg/Kg (max 15mg)
Give Ibuprofen 10mg/Kg/dose if not given within the last 6 hours (MAX 800mg/dose)
Apply warm packs to painful area
Provide oral fluids
No labs required if no clinical indication

REASSESS PAIN IN 30 MINUTES

Pain well controlled?
(pain score \leq 3 or at baseline*)

YES

Observe in ED/clinic for 30 mins

REASSESS PAIN

Pain well controlled?
(pain score \leq 3 or at baseline*)

YES

*Pain control: patients with chronic pain may have a high baseline pain score

Give intranasal Fentanyl 1.5-2 mcg/Kg/dose (MAX 100mcg/dose)
[Can repeat a second dose in 15mins if pain \geq 5 and IV access not established yet]
Draw Labs: CBC w/diff, Retic, CMP, extra pink top
Give IV Morphine 0.1-0.2 mg/Kg/dose (MAX 4mg/dose)
[If history of morphine intolerance, consider Hydromorphone 0.015 mg/Kg/dose if approved by attending (MAX 1mg/dose)]
Give IV Ketorolac 0.5mg/Kg (MAX 30mg/dose)
Start 1 x maintenance IVF (no bolus unless indicated)
Give famotidine for GI prophylaxis
Apply warm packs to painful area
Continuous Pulse oximetry

REASSESS PAIN IN 30 MINUTES

Pain well controlled?
(pain score \leq 3 or at baseline*)

YES

Give PO morphine (0.3-0.5mg/kg; Max 15mg/dose) and observe for at least 1 hour

REASSESS PAIN

Pain well controlled?
(pain score \leq 3 or at baseline*)

YES

Repeat morphine 0.1-0.2 mg/kg/dose IV (MAX: 4mg/per dose)

REASSESS PAIN IN 30 MINUTES

Pain well controlled?
(pain score \leq 3 or at baseline*)

NO

Give 3rd dose of IV morphine 0.1-0.2 mg/kg/dose IV (MAX: 4mg/per dose)
Scheduled Morphine 0.1-0.2 mg/Kg/dose (MAX 3mg/dose) IV every 3 hours until patient is transferred to the floor
Prepare patient for admission
Contact Heme/Onc attending on call

Prepare patient for discharge
Emphasize fluid intake
Prescribe Ibuprofen and home opiate to continue scheduled for 2 days, then take as needed;
Dispense narcotic for a total supply of 3 days
Give SCD discharge instruction sheet
Family to call hematology clinic within 48 hours of discharge or sooner if symptoms worsen