

PEDIATRIC SICKLE CELL WITH PAIN, EMERGENCY DEPARTMENT, GUIDELINE

Updated: January 27, 2023

Clinical Algorithm:



Clinical Pathway Summary

CLINICAL PATHWAY NAME: Pediatric Sickle Cell with Pain, Emergency Department

PATIENT POPULATION AND DIAGNOSIS: Pediatric patients with Sickle Cell Disease presenting to the Emergency Department with acute pain episode. Excludes fever or concern for acute chest syndrome.

APPLICABLE TO: Helen DeVos Children's Hospital

BRIEF DESCRIPTION: This outlines the algorithm of decision making for treatment of pediatric patients with sickle cell disease who present to the emergency department with acute pain consistent with vaso-occlusive crisis and without other complications. It has advised doses and timing to best treat pain consistent with national organization guidelines.

IMPLEMENTATION DATE: February 28, 2023

LAST REVISED: January 27, 2023

Pathway Information

OWNER: Megan Burcham, Matthew Pridgeon

EXPERT IMPROVEMENT TEAM (EIT): N/A

CLINICAL PRACTICE COUNCIL (CPC): Children's

CPC APPROVAL DATE: February 28, 2023

References

Muslu CS, Kopetsky M, Nimmer M, Visotcky A, Fraser R, Brousseau DC. The association between timely opioid administration and hospitalization in children with sickle cell disease presenting to the emergency department in acute pain. *Pediatr Blood Cancer*. 2020 Sep;67(9)

Brandow AM, Carroll CP, Creary S, Edwards-Elliott R, Glassberg J, Hurley RW, Kutlar A, Seisa M, Stinson J, Strouse JJ, Yusuf F, Zempsky W, Lang E. American Society of Hematology 2020 guidelines for sickle cell disease: management of acute and chronic pain. *Blood Adv*. 2020 Jun 23;4(12)