

Pediatric Sickle Cell Emergencies from Head to Toe: A Multimodality Imaging Approach

Purpose/Introduction

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Learning Objectives/Aims:

Review the clinical presentation, imaging findings, and management of emergencies in children with sickle cell disease, with attention to the critical role of imaging when differentiating between potential diagnoses and directing appropriate care.

Methods:

This exhibit will explore the multimodality emergency imaging of children with:

- I. Acute vasoocclusive pain crisis
- II. Dactylitis
- III. Infection/sepsis
- IV. Acute chest syndrome
- V. Stroke
- VI. Splenic sequestration
- VII. Gallbladder disease
- VIII. Renal nephropathy and infarcts

Conclusion: We will emphasize the central role of imaging in identifying acute and life-threatening complications in children with sickle cell disease, as well as the value of radiology in uncovering other pathologic processes that should be considered when these children present to the emergency department.