

Role of Regional Anesthesia in Patients with Acute Sickle Cell Pain: A Scoping Review

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Abstract

Sickle cell disease is the most prevalent inherited blood disorder in the world, with significant morbidity and mortality. Patients often have recurrent painful vaso-occlusive episodes, and the American Society of Hematology gives a conditional recommendation for the use of regional anesthesia for acute sickle cell pain management. This scoping review summarizes the current evidence and identifies gaps for future research. Our screening process is outlined, and articles that mentioned the use of regional anesthesia for acute sickle cell crises were included. We present and interpret our results and highlight opportunities for future investigation.

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