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Cannabinoid receptor-specific mechanisms to ameliorate pain in sickle cell anemia via inhibition of mast cell activation and neurogenic inflammation

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Disclosures: None

Contributions: L.V. performed experiments, analyzed and interpreted data, and wrote the manuscript; D.V. pain-testing, immunofluorescent staining, and data analysis; J.N., isolation, culture and staining of mast cells; B.B analyzed data, wrote the manuscript and prepared for submission; J.L. performed behavioral analysis and analyzed the data; K.G. conceived, designed, planned, and supervised the entire study, analyzed and interpreted data, and edited the manuscript.