

PAIN PLAN TOOLKIT FOR CLINICIANS AND SCD PATIENTS

Until a universal cure for sickle cell disease (SCD) can be found, patients and healthcare providers need to work together to develop a pain management plan for at home and when acute care is needed. This tool has been designed for individuals with SCD to document their current SCD care pain and share with their healthcare providers to facilitate development of an individualized pain plan in an acute care setting as well as for everyday life.



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SCD HISTORY

Which of these are you currently taking for your SCD? (*Check all that apply*) L-Glutamine Regular, monthly blood transfusions Hydroxyurea □ Voxelotor Unsure Crizanlizumab Other: _____ Have you ever had a stem cell transplant? (Check one) □ Yes Description of typical pain crisis: _____ Do you have other medical problems? (*Check all that apply*) Diabetes High blood pressure Heart failure Hearing problems □ Vision problems or Avascular necrosis (bone breakdown due to difficulty seeing sickle cell disease) Other:

Medical Education

Novel Interventions for Preventing/Reducing Pain Crisis in Sickle Cell Disease

CURRENT PAIN MANAGEMENT

Please check any of the words/phrases below that describe your **CURRENT** pain characteristics:

Sensory Pain:	Emotions:	Timing:		
Pins	Annoyed	Slow		
□ Needles	☐ Wanting to scream	On/off		
Squeezing	☐ Wanting to cry	Continuous		
Stabbing	EFeeling distraught	🗌 Fast/abrupt		
Other	Other	Other		
What triggers your pain crisis? (Check	all that apply)			
Exposure to cold temperatures	Exposure to hot temperatures	Increased physical activity		
Decreased physical activity	Psychological factors (eg, stre	ss, anxiety, depression)		
Lack of fluid intake	Other:			
Do you have chronic everyday pain? (C	heck one)			
🗌 Yes 🗌 No				
How often do you experience SCD-rela	ted pain?			
Daily	Weekly; times per weekly; times per weekly;	ek		
Monthly; times per month Other:				
If you have daily pain, rate your daily pain severity (Circle below; on a scale of 1 to 10)				
No pain 1 2 3 4	5 6 7 8 9	10 Worst pain		
Where have you HISTORICALLY experienced SCD-related pain?				

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	Pain Crisis in Sickle Ce	en Disease
CURRENT PAII	N MANAGEMENT (CONTINUED)	
Have you had an	y of these problems with your pain crisis?(<i>Ch</i>	neck all that apply)
🗌 Acute ch	nest syndrome/pneumonia/lung infection	☐ Kidney failure
🗌 Stroke o	r difficulty walking/talking	
Have you needed	d to be in the intensive care unit (ICU)? (Check	(one)
🗌 Yes	□ No	
) A / la a ta a a a a a a a a		
	ised to help your pain in the past 2 years? Wha	
	ncy department:	
	ospital:	
How many times	in the last year have you visited the emergence	cy department for SCD pain?
TRANSFUSION	1	
When should yo	u be transfused?	

Do we need to call your sickle cell doctor before you receive blood? (Check one)

🗌 Yes 🗌 No



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INDIVIDUALIZED ACUTE CARE PLAN

When to seek care (call your physician or go to the emergency department)

- Breathing is difficult, shortness of breath
- Fever, temperature is >102°F
- Neurologic changes (difficulty walking or talking)
- Pain is different than usual for your sickle cell disease
- Chest pain

Example of home pain regimen:

- Ibuprofen 600 mg every 8 hours
- Cyclobenzaprine 10 mg every 12 hours
- If pain is severe or persistent, add oxycodone 10 mg every 3-4 hours
- Hydration and rest are KEY

Nonpharmacologic Strategies for Sickle Cell Pain Management

Psychological Strategies	Behavior Strategies	Physical Strategies	
Distraction (TV, music, phone)	Deep breathing	Hydration	
Imagery	Relaxation exercise	Heat (warm blanket, heat packs)	
Education/teaching	Self-hypnosis	Massage	
Hypnotherapy	Biofeedback	Physical therapy	
Psychotherapy	Behavioral modification	Transcutaneous electrical nerve stimulation (TENS)	
	·	Acupuncture/acupressure	
		Blood transfusions	

https://www.uspharmacist.com/article/sickle-cell-disease-pain-management



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If you are experiencing a pain crisis, please use this section of the toolkit to provide additional information to your emergency department healthcare team to assist in promptly implementing a pain management strategy.

Emergency Department Checklist:

- Bring your current pain management plan with you or ask the nurse to look it up in your electronic medical record upon arrival at the emergency department
- Bring your regular doctor's contact information and provide this to your emergency department healthcare team
- Bring a list of all of your current medications including dose and frequency
- Tell the emergency department staff immediately that you have sickle cell disease and share the information you have completed in this pain crisis toolkit

	Name	Phone Number
Hematologist/Sickle cell doctor		
Physician		
Nurse		
Social Worker		
Caregiver/Family member		
Caregiver/Family member		

Caregivers/Contact Information

Current Medications

Name of Medication (Including prescription and over-the-counter medications)	Dose (eg, milligrams)	Frequency (How many times daily)	When did you last take this medication?