

1. Document the patient history you obtained for Brittany Long, including previous pain crises, hospitalizations, precipitating events, medical treatment, and home management.

Brittany Long is a 5 yr-old African American female with a history of sickle cell disease. Brittany takes regular folic acid supplement as prescribed. She was brought into the emergency department during the night by her mother, who stated that the patient has been complaining

of right lower leg pain over the last 2 days. She has had pain crises before, mostly managed at home with acetaminophen and ibuprofen. She has been hospitalized twice, once at age 4 years for a vaso-occlusive crisis episode and once at age 3 years for a fever.

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2. Document your initial focused assessment of Brittany Long.

- I listened to her lungs (clear and equal bilaterally), checked her RR (24), attached the pulse ox (99%), checked her pulse, attached the NIBP (110/74), took her temp (37.3), did a pain assessment (3/5 for pain) and checked her right lower leg and found that it was warm to touch.

3. Identify and document key nursing diagnoses for Brittany Long.

- Pain management by evidence of pain in right lower leg
- Vaso-occlusive pain crisis from sickle cell anemia
- Hypovolemia by evidence of pale extremities

4. Referring to your feedback log, document the nursing care you provided and Brittany Long's response.

0:00 You arrived at the child.

0:00 You introduced yourself.

0:09 You washed your hands. To maintain patient safety, it is important to wash your hands as soon as you enter the room.

- 0:10 Child status - ECG: Sinus rhythm. Heart rate: 124. Pulse: Present. Blood pressure: 109/74 mm Hg. Respiration: 25. Conscious state: Appropriate. SpO2: 97%. Temp: 99 F (37.4 C)
- 1:10 Child status - ECG: Sinus rhythm. Heart rate: 124. Pulse: Present. Blood pressure: 110/75 mm Hg. Respiration: 25. Conscious state: Appropriate. SpO2: 98%. Temp: 99 F (37.3 C)
- 1:22 You identified the child. To maintain patient safety, it is important that you quickly identify the child.
- 1:30 You identified the relatives. This is important, as the patient is below 18 years of age.
- 1:49 You verified signed consent from the child's relative. This was reasonable.
- 2:10 Child status - ECG: Sinus rhythm. Heart rate: 124. Pulse: Present. Blood pressure: 109/74 mm Hg. Respiration: 24. Conscious state: Appropriate. SpO2: 98%. Temp: 99 F (37.3 C)
- 2:54 You asked the parent: Does she have any known allergies? The parent replied: 'No. I don't think so.'
- 3:06 You tried to verify the blood, but the child didn't have any orders for blood transfusion.
- 3:10 Child status - ECG: Sinus rhythm. Heart rate: 125. Pulse: Present. Blood pressure: 110/74 mm Hg. Respiration: 24. Conscious state: Appropriate. SpO2: 98%. Temp: 99 F (37.3 C)
- 3:34 You assessed the pain level using the FACES scale. The child answered 6 on the FACES pain scale with a range of 0 to 10.
- 3:46 You asked the child if anything made the pain better. (In pain) She replied: 'No...'
- 3:50 You asked the child if anything made the pain worse. (In pain) She replied: 'Any time I move my leg.'
- 3:55 You asked the child how long she had pain for. (In pain) She replied: 'A few days.'
- 4:01 You asked the child if she needed anything for the pain. (In pain) She replied: 'Yes, please.'
- 4:10 You asked the child what she was doing when this started. (In pain) She replied: 'Nothing.'
- 4:10 Child status - ECG: Sinus rhythm. Heart rate: 125. Pulse: Present. Blood pressure: 110/74 mm Hg. Respiration: 24. Conscious state: Appropriate. SpO2: 99%. Temp: 99 F (37.3 C)
- 4:20 You asked the child if anything else was bothering her. (In pain) She replied: 'No, I don't think so.'
- 4:33 You asked the parent: Has she been eating and drinking normally? The parent replied: 'Yes.'
- 4:38 You asked the parent: Has there been vomiting, diarrhea, or constipation? The parent replied: 'No.'
- 4:44 You asked the parent: Has she urinated today? The parent replied: 'Yes, several times.'
- 4:52 You asked the parent: Does she have any known allergies? The parent replied: 'No. I don't think so.'
- 4:59 You asked the parent: What is her immunization status? The parent replied: 'She has had no recent immunizations. We follow the recommended schedule.'
- 5:07 You asked the parent: Is she being given any medications? The parent replied: 'Yes; painkiller and folic acid.'
- 5:10 Child status - ECG: Sinus rhythm. Heart rate: 125. Pulse: Present. Blood pressure: 109/74 mm Hg. Respiration: 24. Conscious state: Appropriate. SpO2: 99%. Temp: 99 F (37.3 C)

- 5:14 You asked the parent: Have there been any recent illnesses? The parent replied: 'No.';
- 5:18 You asked the parent: Has she ever had any health problems? The parent replied: 'Yes. She has sickle cell disease.';
- 5:24 You asked the parent: Have her growth and development been normal? The parent replied: 'Yes.';
- 5:29 You asked: Are there any hereditary illnesses in the family? The parent replied: 'Yes, sickle cell disease.';
- 5:34 You asked the parent: Is there anything else that you think we should know? The parent replied: 'No. I don't think so.';
- 5:39 You asked the parent: Are there smokers in the household? The parent replied: 'No.';
- 5:44 You asked the parent: Has she ever received blood or had a reaction to a blood transfusion? The parent replied: 'No. I don't think so.';
- 5:50 You asked the parent: Do you have pets at home? The parent replied: 'No. We don't have any pets.';
- 6:10 Child status - ECG: Sinus rhythm. Heart rate: 125. Pulse: Present. Blood pressure: 108/74 mm Hg. Respiration: 24. Conscious state: Appropriate. SpO2: 99%. Temp: 99 F (37.3 C)
- 6:18 You examined the child's legs. The right lower leg is warm to the touch. There is normal elasticity of the skin. She looks slightly pale, and her skin is cool.
- 6:34 You looked for normal breathing. She is breathing at 24 breaths per minute. The chest is moving equally.
- 7:02 You attached the pulse oximeter. This was indicated by order.
- 7:10 Child status - ECG: Sinus rhythm. Heart rate: 125. Pulse: Present. Blood pressure: 111/75 mm Hg. Respiration: 24. Conscious state: Appropriate. SpO2: 99%. Temp: 99 F (37.3 C)
- 7:15 You checked the pulse at the brachial artery. The pulse is strong, 125 per minute, and regular. It is correct to assess the child's vital signs.
- 7:41 You attached the automatic noninvasive blood pressure (NIBP) measurement cuff. This will allow you to reassess the child continuously.
- 7:55 You measured the temperature in the ear. The temperature was 99 F (37.3 C).
- 8:10 Child status - ECG: Sinus rhythm. Heart rate: 126. Pulse: Present. Blood pressure: 111/75 mm Hg. Respiration: 24. Conscious state: Appropriate. SpO2: 99%. Temp: 99 F (37.3 C)
- 8:14 You examined the child's skin. There is normal elasticity of the skin. She looks slightly pale, and her skin is cool.
- 8:42 You gave the child a sip of juice. Comforting the child with a favorite drink is advisable.
- 8:47 You offered the child a toy. This is reasonable.
- 9:06 You phoned the provider in order to discuss the patient.
- 9:10 Child status - ECG: Sinus rhythm. Heart rate: 126. Pulse: Present. Blood pressure: 111/75 mm Hg. Respiration: 24. Conscious state: Appropriate. SpO2: 99%. Temp: 99 F (37.3 C)

- 10:10 Child status - ECG: Sinus rhythm. Heart rate: 126. Pulse: Present. Blood pressure: 111/75 mm Hg. Respiration: 24. Conscious state: Appropriate. SpO2: 99%. Temp: 99 F (37.3 C)
- 10:47 You assessed the pain level using the FACES scale. The child answered 6 on the FACES pain scale with a range of 0 to 10.
- 11:10 Child status - ECG: Sinus rhythm. Heart rate: 126. Pulse: Present. Blood pressure: 111/75 mm Hg. Respiration: 24. Conscious state: Appropriate. SpO2: 99%. Temp: 99 F (37.3 C)
- 11:13 You assessed the child's IV. The site had no redness, swelling, infiltration, bleeding, or drainage. The dressing was dry and intact. This is correct. Assessing any IVs the child has is always important.
- 12:10 Child status - ECG: Sinus rhythm. Heart rate: 126. Pulse: Present. Blood pressure: 108/74 mm Hg. Respiration: 24. Conscious state: Appropriate. SpO2: 99%. Temp: 99 F (37.3 C)
- 12:19 You started a bolus of 250 mL of normal saline IV, given over 60 minutes. It is important to use the basic rights of medication administration to ensure proper drug therapy. This was indicated by order.
- 13:04 You administered 2.4 mg of morphine IV. It was reasonable to give an opioid here.
- 13:10 Child status - ECG: Sinus rhythm. Heart rate: 126. Pulse: Present. Blood pressure: 111/75 mm Hg. Respiration: 24. Conscious state: Appropriate. SpO2: 99%. Temp: 99 F (37.3 C)
- 13:21 You flushed the cannula.
- 13:57 You asked the child if she felt better. (In pain) She replied: 'Yes, I'm feeling better now.'
- 14:10 Child status - ECG: Sinus rhythm. Heart rate: 115. Pulse: Present. Blood pressure: 103/70 mm Hg. Respiration: 19. Conscious state: Appropriate. SpO2: 99%. Temp: 99 F (37.3 C)
- 14:11 You phoned the provider in order to discuss the patient.
- 15:10 Child status - ECG: Sinus rhythm. Heart rate: 107. Pulse: Present. Blood pressure: 98/66 mm Hg. Respiration: 15. Conscious state: Appropriate. SpO2: 99%. Temp: 99 F (37.3 C)
- 15:49 A patient handoff was performed.

5. Document the patient teaching that you would provide for Brittany Long and her family before discharge, including disease process, nutrition, signs and symptoms of crises, prevention of infection and dehydration, and pain management.

- I would educate the mother about possible signs of infection such as fever and shortness of breath. I would have them monitor her for swelling. Look for signs of dehydration, look at her legs frequently. Manage her pain at home with acetaminophen and drink plenty of fluids.