

- **Pediatric Case 7: Brittany Long (Core)**
- **Guided Reflection Questions**
- **Opening Questions**
- How did the simulated experience of Brittany Long's case make you feel?
 - I felt confident in my skills during the simulation, however it was a little overwhelming since I needed to know what I should prioritize and know what the most important things to do at that moment.
- Describe the actions you felt went well in this scenario.
 - I think the beginning stages of my interaction went amazing, and I felt that I did what was the most important thing to do which was to alleviate Brittany's pain.
- **Scenario Analysis Questions[1]**
- **EBP** What is the relationship between fluid and oxygen therapy in the treatment of sickle cell anemia?
 - Dehydration can trigger a vaso-occlusive crisis since the RBC are more likely to clump together in this condition.
- **EBP** What complications might Brittany Long face if her symptoms are not recognized and treated in a timely manner?
 - HTN, delayed puberty, organ damage, gallstones, and leg ulcers.
- **EBP** What methods of pain management did you use and what other methods should be considered for Brittany Long, based on the latest evidence-based practice?
 - Due to Brittany rating her pain a 6 on the FACE scale, I decided to administer the morphine sulfate that was ordered by the provider. Other methods that could have been implicated was guided imagery, distraction with child life, encouraging the mom to hold her daughter or touch, and ask the provider if the patient could get a PCA pump for her pain.
- **PCC/I** What discharge teaching should be provided to assist Brittany Long's mother with her home care?
 - For discharge education I believe the best thing to teach Brittany and her mother are the early s/s of vaso-occlusive crisis and different non-pharmacologic ways to manage her pain. I would also teach them when it is crucial for them to visit the ED.
- **S/QI** Reflect on ways to improve safety and quality of care based on your experience with Brittany Long's case.
 - Some ways that I could improve safety and quality care is to implement the red rules by assuring the bed is in the lowest position, its locked, she has non-skid socks, and that her call light is within reach. Especially her call light because it is important for Brittany to call when she decides to get out of bed so she doesn't have an injury since Morphine Sulfate causes side effects such as being drowsy or dizzy.
- **T&C/I** Identify additional individuals who should be included on Brittany Long's care team.
 - School nurse if she attends public school, physical therapy, friends and family members, caregivers, and doctors/nurses when she goes to the ED or hospital.
- **T&C/I** What key elements would you include in the handoff report for this patient? Consider the situation-background-assessment-recommendation (SBAR) format.
 - S: Brittany is a 5 y/o African American female who was experiencing sickle cell crisis
 - B: She came into the ED for pain in the right leg that has been occurring for the past 2 days, I have given her tylenol, ibuprofen, and has NS running in the left arm

- A: Vital signs are within normal limits, she is rating her pain 0 out of 5 on the FACES scale after administering morphine sulfate via IV. She has continuous pulse ox on her finger as well as BP. She has humidified O2 running via NC, her right leg is now warm.
- R: Continue monitoring pain and vital signs as well as providing education to the mother and daughter to manage crisis
- **QI** Discuss quality-of-care indicators for the management of children with sickle cell disease.
 - Quality care indicators would be mortality & morbidity rates.
- **Concluding Questions**
- Reflecting on Brittany Long's case, were there any actions you would do differently? If so, what were these actions, and why would you do them differently?
 - I would ask the mother more questions about her daughter's disease since she knows more about it and I would also ask about Brittany's history with the disease. This would implement these actions because I know that this crisis is acute and it can occur at any moment since this is a disease that Brittany has to live with for the rest of her life.
- Describe how you would apply the knowledge and skills that you obtained in Brittany Long's case to an actual patient care situation.
 - Since I learned the early indications of vaso-constictive crisis I would then be able to teach other patients who have to live with this disease. I would also communicate with the patient and the family, and assuring to get a history since it is crucial in order to help and treat other patients.