

SIMULATION MEDICATION ERRORS REFLECTION QUESTIONS

Directions: Provide in-depth, thorough answers to each of the following questions by October 31st, 2025 at 0800. Answers should be added directly into this document and must total at least 400 words. Please submit to your personal Edvance360 Dropbox along with the completed Variance Report. Include all medication errors on one Variance Report.

1. Explain errors in the process that could have contributed to this incident.
There are many errors that could have contributed to the wrong amount of fluids being administrated per hour and the wrong amount of Acetaminophen being given. One of the things that could have stopped the fluids from being administered at the wrong amount is that when we first when in the room, since the fluids were already running, we should have checked the order and the amount that was running rather than focusing on what we had to do otherwise. The wrong dose of acetaminophen being administered could have been prevented if we would have looked at the right dosage recommendation on skyscape. We also could have triple checked the medication dosages before administering.
2. What are the potential complications that could have occurred to this patient related to the medication error(s)? **Some complications from administering too much fluid are that his lungs could have become wet and he could have had some edema. This also could have caused some shortness of breath and high blood pressure. Some potential complications from administering too much acetaminophen in a child are liver failure, abdominal pain, and fatigue.**
3. What follow-up care would you provide to the patient related to the medication error(s)? **Because of these medication errors, you would assess his vital signs, assess for edema, and listen to his lungs. I would also assess any overall change in health status and check his liver and kidney levels in case of toxicity.**
4. How would you prevent this type of event from occurring in the future? **I would prevent this event from occurring in the future by double checking any medication that is already running while I go into the room to see if who hung it did it correctly. For the oral medication I will double check that I have the correct recommended dosage and that the order matches what I would give. I would also make sure that I had done all of my math correctly.**
5. Write an SBAR to the healthcare provider regarding this incident.
S- Noah Sleeping is a 3-year-old male. He was admitted for croup and has had decreased oral intake. He also has a left ear infection. He was given too much acetaminophen and his fluids have been running at too high of a rate. His fluids were running at 80 mL/hr, which was supposed to be 52 mL/hr and he was given 275mg of Acetaminophen, which should have been 225mg. He did not have any

change or decline in health status after these medications being administered. His dad is at bedside and is aware of the medication error.

B- With his croup he has had a barky cough that improved at night while outside. He has not had great oral intake. His mom smokes outside at home and his brother also has a history of asthma.

A- He is currently having mild retractions, audible stridor, intermittent cough, and is having around a 4/10 pain based on the FACES scale. His current vitals are 90/56 BP, HR 126, 100.5 fever, oxygen saturation of 96%, and 24 RR. He was medicated for his fever, given Zyrtec, and did receive a breathing treatment and a steroid.

R- I will continue to monitor his lungs and vital signs. I will also asses for any kidney or liver problems, as well as swelling from too much medication.