

Self-Test - Alaris® Infusion Pump

1. What types of patients must have an Alaris® Infusion pump to administer intravenous fluids and medication, regardless of the IV solution?
 - a) All patients with central lines
 - b) All pediatric patients
 - c) All patients receiving a mainline IV fluid with D5W
 - d) a, b

2. Which of the following is true about selecting a Patient Profile on the Alaris® Infusion pump:
 - a) The clinician must check that the correct profile is in use at the beginning of each shift and when a patient is transferred to his/her care.
 - b) The clinician must check that the correct profile is in use only when administering a secondary medication.
 - c) The clinician does not have to check that the profile in use when running a basic infusion.
 - d) It is the initial clinician who starts the Alaris® Infusion pump that is responsible for ensuring the profile is correct.

3. To ensure the longest battery life for the Alaris® Infusion pump it should be plugged in:
 - a) When the 'Low Battery' message appears.
 - b) Whenever possible, including when it is not in use.
 - c) When the battery Run Time displayed is less than 30 minutes.

4. When the Alaris® Infusion pump is cleaned with the Super Sani-Cloth between patient uses, the minimum wait time to ensure adequate disinfecting ability of the cleaning agent is:
 - a) 30 seconds
 - b) 1 minute
 - c) 3 minutes
 - d) 5 minutes

5. When the Tamper Resist button is activated the clinician can still:
 - a) Silence the audio alarm.
 - b) View volume(s) infused.
 - c) View and test audio alarm setting.
 - d) All of the above.

6. The following are all correct for the 'Delay Options' on the Alaris® Infusion pump **except**:
 - a) Can only be programmed prior to the initiation of an infusion.
 - b) Can be programmed as a specific number of minutes or for a specific time.
 - c) Allows a callback to be scheduled if the clinician wishes.
 - d) The Pause option also appears under the Delay Options.

7. When connecting a secondary medication set to the primary IV tubing the best technique is to:
- a) Use the lever lock cannula provided in the secondary package.
 - b) Use a threaded lock cannula
 - c) Use no adapter; attach the secondary line directly to the Smartsite[®] needless injection port on the mainline.
8. When a secondary medication set is connected to the mainline it can be used to administer more than one medication if the medications are compatible and back-priming is done.

TRUE

FALSE

9. The Guardrails[®] Safety Software on the Alaris[®] Infusion pump defines the minimum and maximum infusion rate limits and the minimum and maximum recommended concentration limits of medications.

TRUE

FALSE

10. The Alaris[®] Infusion pump contains Hard Guardrails[®] limits for medications. These Hard Guardrails[®] cannot be overridden during pump programming.

TRUE

FALSE

Alaris® Infusion Pump Self-Test Answers & Rationale

1. d.	The decision to use a pump to administer a medication is per administrative or discipline-specific policy, or based on clinical discretion. As per KGH policy requires all pediatric patients and patients with central lines to receive IV therapy via an infusion pump.
2. a.	The health care professional must check that the correct profile is in use at the beginning of each shift and when a patient is transferred to his/her care.
3. b.	The battery has the longest life if the pump is plugged in and battery use is infrequent. Frequent use of the battery power and insufficient battery charge cycles significantly decrease the life of the battery
4. d.	The Super Sani-Cloth is safe for cleaning the Alaris® Infusion pump and must be allowed a wait time of 5 minutes minimum to be effective at disinfection.
5. d.	
6. a.	The Delay option can be programmed at the beginning of an infusion <u>or</u> during an infusion.
7 c.	The SmartSite® needless valve port on the primary infusion line is designed to be a needle-free valve, the use of a firm cannula or needle can result in the valve not opening correctly and/or result in a puncture and cause leaking.
8. TRUE	
9. TRUE	
10. TRUE	