

## Assessment Test

### The 2012 Landscape of I.V. Medication Safety: Processes, Tools, and Training

This activity is located at <http://www.ashpadvantage.com/iv/medsafety/>

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1. Requirements for compounding pharmacies have been developed by the Food and Drug Administration.
  - a. True
  - b. False
  
2. Which of the following is NOT a factor that has increased the risks associated with i.v. medications?
  - a. Drug shortages
  - b. Outsourcing medications to compounding pharmacies
  - c. Requests for inpatient use of “patient’s own” i.v. medications and infusion devices
  - d. Pharmacist shortage
  
3. According to Dr. Shane, which of the following organizations have led safety summits during the past decade that focused on improving i.v. medication safety?
  - a. American Society of Health-System Pharmacists (ASHP) and Institute for Safe Medication Practices (ISMP)
  - b. American Hospital Association (AHA) and Institute for Safe Medication Practices (ISMP)
  - c. American Society of Health-System Pharmacists (ASHP) and American Medical Association (AMA)
  - d. American Hospital Association (AHA) and American Medical Association (AMA)
  
4. Which of the following BEST meets the challenges of i.v. safety?
  - a. Well-trained and experienced i.v. staff
  - b. Technology designed for implementation in the i.v. room
  - c. Well-designed technology properly used by well-trained staff
  - d. Bedside technology designed to reduce i.v. medication errors
  
5. Which of the following characteristics is LEAST important to consider when evaluating and selecting i.v. technology?
  - a. Allows the pharmacist to minimize time in the i.v. room.
  - b. Validates simple i.v. compounding of one drug, one diluent, and one dose.
  - c. Supports complex i.v. compounding including batches and multiple drugs in one dose.
  - d. Supports i.v. staff but discourages “work arounds”.



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6. The use of compounding isolators, barcode verification, and i.v. workflow software in an ISO 7 i.v. clean room guarantee correct aseptic procedures are in use.
  - a. True
  - b. False
7. Which of the following is NOT a human factor that contributes to errors in the I.V. Room?
  - a. Inadequate training
  - b. Interruptions
  - c. Technology failure
  - d. Changing priorities
8. According to Ms. Power, when seeking to optimize i.v. medication safety, hiring pharmacists and technicians with strong compounding skills is more important than hiring staff that are reliable and follow rules.
  - a. True
  - b. False
9. The virtual cleanroom setting can be used to teach
  - a. Individualized (hands-on) sterile compounding technique.
  - b. USP Chapter <797> standards.
  - c. Product compatibility.
  - d. Inventory management.
10. Which of the following is TRUE regarding the virtual cleanroom setting?
  - a. Pharmacy students felt learning was enhanced.
  - b. Knowledge of patient safety was diminished.
  - c. The virtual setting served as a replacement for hands-on training.
  - d. The virtual environment was difficult to navigate.
11. The virtual cleanroom is MOST advantageous for pharmacists practicing in
  - a. Managed care settings.
  - b. Community settings.
  - c. Health-system settings.
  - d. Any setting.
12. Which of the following is true?
  - a. The virtual cleanroom environment did not support the education of pharmacy students.
  - b. The virtual cleanroom environment emphasizes patient/medication safety issues.
  - c. The virtual cleanroom environment is inconsistent with practice.
  - d. The virtual cleanroom will be outdated with changes in USP Chapter <797>.



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