

University of Michigan Health System
Department of Pharmacy

Medication Safety Competency Evaluation

Name: _____ Date: _____

Total Score: _____ / 12 _____% (pass = 80%)

Please circle the most appropriate answer to each question.

1. All of the following are true, except:

- a) Medication errors may result in as many as 7000 deaths annually in the US.
- b) Adverse events resulting in death are most commonly caused by wrong dose, wrong drug, and wrong route of administration.
- c) Preventable adverse drug events (ADEs) are most frequently the result of ordering errors.
- d) Pharmacists and pharmacy technicians have little responsibility for ADEs because they can only dispense what is ordered.**

2. Which of the following is correct regarding medication safety initiatives implemented in the past several years?

- a) The MAR provides the nurse with more information during the drug administration process.
- b) The pharmacy sometimes places both the generic and common trade name on the medication label to increase recognition and improve safety
- c) Standard administration times are helpful in reducing medication errors
- d) All of the above**

3. According to pharmacy department policies and procedures, all of the following should be reported on a MEDWATCH form except:

- a) Liver function tests 10x normal after 2 weeks of rosiglitazone treatment
- b) Onset of seizures after 3 doses of amoxicillin
- c) Hair loss 1 month after initiation of cyclophosphamide therapy**
- d) Spiking fever following the first dose of rifampin

4. Which of the following is correct regarding adverse drug reactions (ADRs)?

- a) ADR's are reported monthly at the Pharmacy and Therapeutics Committee meeting.**
- b) The ADR should never be recorded in the patient's medical record.
- c) Reporting of ADRs is mandated by the FDA.
- d) All of the above

5. After completion of a MEDWATCH form, the pharmacist should forward the form to:

- a) the FDA
- b) Drug Information**
- c) Pharmacy Administration
- d) Medical Office of Clinical Affairs

6. Which of the following would be classified as a sentinel event according to the UMHS policy?
- a) Morphine overdose resulting the death of an elderly patient
 - b) Improper warfarin therapy causing a cranial bleed that ultimately results in permanent left-sided loss of arm movement
 - c) Surgery on the wrong hip joint
 - d) **All of the above**
7. Which of the following is incorrect regarding the hospital's Sentinel Event policy?
- a) **Staff members are never included in the investigation of the event and, therefore, should only discuss details of the event with their immediate supervisor**
 - b) The "root cause analysis" focuses on systems and processes rather than individuals
 - c) The Chief of Staff is charged with the responsibility for determining if an event meets the criteria for a sentinel event review
 - d) All syringes, IV bags, and tubing should be saved in patient-labeled plastic bags.
8. Which of the following is true regarding Risk Management and incident reports?
- a) A patient incident is a situation that occurs to a patient that is not considered part of routine medical care.
 - b) Incidents may cause patient harm or have the potential for causing harm.
 - c) A patient incident should be documented on the hospital's approved Incident Report Form
 - d) **All of the above**
9. ISMP is the abbreviation for which organization?
- a. International Society of Medical Physicians
 - b. Interpreting Safety by Mechanical Processes
 - c. **Institute for Safe Medication Practices**
 - d. Ideals for Safe Medicine and Pharmacy

For each of the following orders, how can they be improved to avoid a medication error?

10. NPH Insulin 5U SQ daily

- a) Do not capitalize the word insulin
- b) Use QD as an abbreviation for daily
- c) **Write out the word units instead of using the abbreviation U**
- d) None of the above

11. HCTZ 50 mg qAM PO for diuresis

- a) Do not leave a space between 50 and mg
- b) **Spell out the word hydrochlorothiazide**
- c) Avoid using medical terms such as diuresis
- d) Use all small letters for qam

12. Terbutaline .5 mg PO TID

- a) Always use the trade name whenever possible
- b) Place the frequency before the route
- c) Capitalize milligrams (MG not mg)
- d) **Place a zero before the period (ie, 0.5)**

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