Mantoux Tuberculin Skin Test Pre- and Post-Test and Answer Key

Circle the correct letter for each answer. Each question has only one answer (unless otherwise indicated).

Please check to indicate whether this is a:

Pre-Test_________Post-Test_________

1. The correct amount of PPD antigen to use in a tuberculin skin test is:
   a. .05 mL of 5 tuberculin units
   b. 0.1 mL of 5 tuberculin units
   c. 0.5 mL of 5 tuberculin units
   d. 1 mL of 5 tuberculin units

2. A Mantoux tuberculin skin test is administered:
   a. intermuscularly
   b. intradermally
   c. subcutaneously
   d. by scratching the skin

3. A positive skin test means a patient:
   a. probably has TB disease
   b. probably has TB infection
   c. has TB and is infectious
   d. is allergic to PPD solution

4. A skin test should be read at:
   a. 24 to 48 hours (1 to 2 days)
   b. 48 hours (2 days)
   c. 48 to 72 hours (2 to 3 days)
   d. any time up to a week

5. If a patient fails to show up for the scheduled reading, a positive reaction may still be measurable for how long after testing?
   a. 7 days
   b. 10 days
   c. 14 days
   d. none of the above

6. When placing the skin test, it is important to record the:
   a. date
   b. administrator
   c. arm of placement
   d. lot # and expiration date of PPD solution
   e. all of the above

7. A tuberculin reaction of 5 mm is positive in:
   a. Persons known to have or suspected of having HIV infection
   b. Close contacts of a person with infectious TB
   c. Persons who have a chest X-Ray suggestive of previous TB
   d. All of the above

8. Which patients described below have a positive tuberculin skin test reaction? Check all correct answers.
   _____ Mr. West, 36 years old, with HIV infection, 8 mm induration
   _____ Ms. Hernandez, 26 years old, native of Mexico, 7 mm induration
   _____ Ms. Jones, 56 years old, has diabetes, 12 mm induration
   _____ Mr. Sung, 79 years old, resident of a nursing home, 11 mm induration
   _____ Mr. Williams, 21 years old, no risk factors, 13 mm induration
   _____ Ms. Marcos, 42 years old, chest x-ray findings suggestive of previous TB, 6 mm induration
   _____ Ms. Rayle, 50 years old, husband has pulmonary TB, 9 mm induration

Please Turn Over
9. The following circles represent indurations from a Mantoux tuberculin skin test. Measure and interpret the circles for the following individuals. Indicate your response by filling in the millimeters of induration and indicate whether this is a positive or negative skin test result.

A 30-year-old man with HIV infection

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A 25-year-old woman, IV drug user, documented HIV negative

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A 20-year-old close contact of an infectious TB case

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A 34-year-old health care worker in a long term care facility

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A 32-year-old person with no known exposures or risk factors

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Correct answer(s) are in bold.

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   - ✓ Mr. Sung, 79 years old, resident of a nursing home, 11 mm induration
   - ✓ Mr. Williams, 21 years old, no risk factors, 13 mm of induration
   - ✓ Ms. Marcos, 42 years old, chest x-ray findings suggestive of previous TB, 6 mm induration
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A 30-year-old man with HIV infection                  11 mm induration

[Circle]  

Negative  Positive

A 25-year-old woman, IV drug user, documented HIV negative  8 mm induration

[Circle]  

Negative  Positive

A 20-year-old close contact of an infectious TB case  5 mm induration

[Circle]  

Negative  Positive

A 34-year-old health care worker in a long term care facility  6 mm induration

[Circle]  

Negative  Positive

A 32-year-old person with no known exposures or risk factors  13 mm induration

[Circle]  

Negative  Positive