

Advancing Infection Control Capacity & Education (ACE): COACHING TO CERTIFICATION

Session 11: Preventing and Controlling the Transmission of Infectious Agents – Part 3

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Q1: A patient is admitted with pruritic lesions on hands, webs of fingers, wrists, extensor surface of elbows and knees, and the outer surface of the feet, armpits, buttocks and waist. What type of isolation does this person require?

- a. Contact
- b. Droplet
- c. Airborne
- d. No isolation is required



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Q2: Which of the following does not describe indirect contact transmission?

- a. Mites from scabies-infested patient
- b. Equipment that is not cleaned, disinfected or sterilized adequately between patients
- c. Food and water supplies that are not prepared and maintained according to sanitation standards
- d. Inadequate hand hygiene performed by a caregiver

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Q3: A pediatric patient has been diagnosed with pediculosis. What is the most appropriate follow-up to prevent it from spreading to other patients or healthcare professionals?

- a. Place the patient on contact precautions until 24 hours after the appropriate treatment has been initiated.
- b. Require all visitors and HCP who enter the room to wear a disposable scrub cap for any patient contact
- c. Use an insecticidal spray in the room after the patient is discharged
- d. Prophylactically treat all family member and anyone with close physical contact with the patient

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Q4: What type of respiratory protection (mask) is recommended for immune and non-immune healthcare personnel when caring for a patient with smallpox?

- a. Surgical mask
- b. Exam mask
- c. N95 or high-level respirator
- d. Procedure mask



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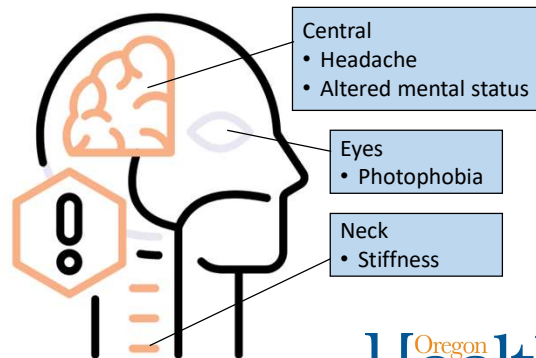
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Q5: A patient with bacterial meningitis due to *Neisseria meningitidis* requires what type of transmission-based precautions?

- a. Contact
- b. Standard
- c. Droplet
- d. Airborne

Symptoms of Meningitis



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Q6: A staff nurse informs the IP that a patient with confirmed multi-drug resistant TB requires an immediate bronchoscopy. In which of the following rooms must the procedure be performed?

- a. The operating room under positive pressure
- b. Standard procedure room in the endoscopy suite
- c. The ICU with direct exhaust to the outside
- d. Airborne infection isolation room



Photo Credit: [Dr. Y Rosen](#)

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Q7: An autopsy is ordered on a patient who was diagnosed with tuberculosis (TB). Which of the following statements is correct regarding postmortem care of a deceased TB patient?

- a. Autopsy rooms should be at positive pressure with respect to adjacent areas, and room air must be exhausted directly outside
- b. An oscillating autopsy saw should be used to reduce the infectious aerosols
- c. An approved mask is necessary for respiratory protection
- d. Standard Precautions are sufficient because *Mycobacterium tuberculosis* needs a living host to survive



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Q8: A patient is admitted to rule out TB. All of the following would be noted as a risk factor for transmission of infection to the staff except:

- a. Improper N95 respirator use by the staff
- b. Surgical mask placed on the patient during transport
- c. Acid-fast bacilli (AFB) smear positive sputum culture for the patient
- d. Patient placed in a regular exam room in the emergency department

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Q9: Which type of isolation always requires a private room?

- a. Contact Precautions
- b. Standard Precautions
- c. Airborne Precautions
- d. Droplet Precautions



Photo Credit: [The Neenan Company](#)

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Q10: An RN is caring for a patient who presented to the Emergency Department with symptoms consistent with Influenza. When caring for this patient, she should use which of the following types of precautions?

- a. Standard Precautions
- b. Standard and Droplet Precautions
- c. Airborne Precautions
- d. Droplet Precautions if influenza is confirmed

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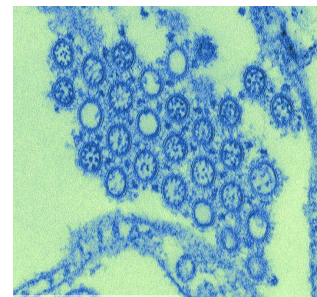
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Q11: A woman in active labor with confirmed influenza has been admitted to an acute care facility. Recommendations for influenza transmission between hospitalized infected mothers and their infants include all the following except:

- a. The mother should be placed on Droplet Precautions
- b. The baby should stay in the same room as the mother
- c. Keep the isolette at least 3 feet away from the mother when she is not interacting with the baby
- d. The baby should receive formula during the 5-day period following the mother's symptom onset



H1N1 Influenza

Photo Credit: Cynthia S. Goldsmith

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Q12: Which of the following has a low risk of transmission from sexual contact?

- a. Hepatitis B
- b. Hepatitis C
- c. HIV
- d. Syphilis

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Q13: A patient who had neurosurgery was exposed to Creutzfeldt-Jakob disease (CJD) prions through surgical instruments that were not correctly processed after they had been previously used on an infected patient. As a result, she has developed the disease herself. This is an example of which mode of transmission?

- a. Familial CJD
- b. Iatrogenic CJD
- c. Spontaneous CJD
- d. Mutational CJD

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Q14: The Hemodialysis Department at a hospital completes a monthly water culture testing. The results are over the limit for colony-forming units (CFU/mL). Which of the following actions should be done first?



- a. Notify the physician
- b. Initiate daily water culture testing
- c. Disinfect the system
- d. Notify the Infection control Department

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