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Nursing

BONENT-CHT

BONENT Certified Hemodialysis Technologist - Technician (CHT)











Question: 1

Which of the following is the appropriate order of steps for cannulation using aseptic technique for needle insertion in hemodialysis?

- A. Clean the access site, palpate the access site, put on gloves, secure the needle, insert the needle
- B. Palpate the access site, clean the access site, put on gloves, insert the needle, secure the needle
- C. Clean the access site, put on gloves, palpate the access site, insert the needle, secure the needle
- D. Put on gloves, clean the access site, palpate the access site, insert the needle, secure the needle

Answer: C

Explanation: The correct order of steps for cannulation using aseptic technique for needle insertion in hemodialysis is to first clean the access site, then put on gloves, palpate the access site to locate the appropriate insertion point, insert the needle into the access site, and finally, secure the needle in place.

Question: 2

Which of the following infectious diseases should a hemodialysis technician be particularly vigilant about when recognizing complications in dialysis treatments?

- A. Malaria
- B. Tuberculosis (TB)
- C. Measles
- D. Chickenpox

Answer: B

Explanation: A hemodialysis technician should be particularly vigilant about recognizing complications related to infectious diseases such as tuberculosis (TB) during dialysis treatments. TB is a highly contagious bacterial infection that primarily affects the lungs but can also impact other organs. Patients receiving hemodialysis are at an increased risk of developing TB due to their weakened immune systems and frequent exposure to healthcare settings. Recognizing the symptoms and complications of TB in dialysis patients is crucial for early detection, appropriate management, and preventing the spread of infection to other patients or healthcare providers.

Question: 3

Which of the following is the correct order of steps to perform cannulation using aseptic technique for needle insertion in hemodialysis?

- A. Wipe the access site, put on gloves, palpate the access site, insert the needle, secure the needle.
- B. Clean the access site, put on gloves, palpate the access site, insert the needle, secure the needle.
- C. Put on gloves, clean the access site, palpate the access site, insert the needle, secure the needle.
- D. Palpate the access site, clean the access site, put on gloves, insert the needle, secure the needle.

Answer: D

Explanation: The correct order of steps to perform cannulation using aseptic technique for needle insertion in hemodialysis is to first palpate the access site to locate the appropriate insertion point, then clean the access site, put on gloves, insert the needle into the access site, and finally secure the needle in

place.

Question: 4

What is the purpose of ancillary equipment and supplies in the context of hemodialysis?

- A. To monitor the patient's blood pressure during the treatment.
- B. To provide additional comfort and support to the patient during the treatment.
- C. To disinfect the dialysis machine between treatments.
- D. To assist with the removal of fluid and waste products from the patient's blood.

Answer: D

Explanation: Ancillary equipment and supplies in hemodialysis are used to assist with the removal of fluid and waste products from the patient's blood. This includes components such as dialyzers, bloodlines, and ultrafiltration systems. These equipment and supplies are essential for the proper functioning of the hemodialysis treatment and ensuring the effective removal of toxins and excess fluid from the patient's body.

Question: 5

Which of the following is not a responsibility of the nephrologist in the dialysis center?

- A. Ordering the dialyzer that would be specific for the patient.
- B. Ordering the length of time for the dialysis treatment.
- C. Ordering any anti-coagulation medications that might be needed.
- D. Ordering the supplies for the patient.

Answer: D

Explanation: The responsibility of ordering supplies for the patient typically falls under the role of the dialysis center or the dialysis technician/technologist. The nephrologist is responsible for making decisions related to the dialyzer selection, determining the appropriate length of time for the dialysis treatment, and prescribing any necessary anti-coagulation medications based on the patient's condition and needs.

Question: 6

Which of the following is an example of personal protective equipment (PPE) that a hemodialysis technician should wear during dialysis procedures?

- A. Stethoscope
- B. Blood pressure cuff
- C. Syringe
- D. Gown

Answer: D

Explanation: A gown is an example of personal protective equipment (PPE) that a hemodialysis technician should wear during dialysis procedures. Wearing a gown helps protect the technician from contact with potentially infectious materials, including blood, bodily fluids, and contaminated surfaces. It acts as a barrier between the technician's clothing and the patient's fluids, reducing the risk of cross-contamination and transmission of pathogens. Properly wearing and disposing of gowns is essential for maintaining aseptic conditions and preventing the spread of infections in the dialysis unit.

Question: 7

Which of the following is the correct procedure for cannulation using aseptic technique for needle insertion during hemodialysis?

- A. Apply pressure to the access site immediately after needle removal.
- B. Apply a sterile dressing over the access site after needle insertion.
- C. Use a blunt needle for cannulation to reduce the risk of vessel damage.
- D. Clean the access site with a disinfectant and insert the needle at a 45-degree angle.

Answer: D

Explanation: The correct procedure for cannulation using aseptic technique for needle insertion during hemodialysis is to clean the access site with a disinfectant and insert the needle at a 45-degree angle. This helps ensure a clean and sterile access site, reducing the risk of infection. Inserting the needle at a 45-degree angle allows for proper placement within the blood vessel and minimizes the risk of vessel damage. After needle insertion, it is important to secure the site with appropriate dressings and apply pressure to the access site immediately after needle removal to prevent bleeding and maintain hemostasis.

Question: 8

Which of the following alarms should the hemodialysis delivery system go into bypass for?

- A. All of the above
- B. Wrong conductivity
- C. Wrong temperature
- D. Wrong pH

Answer: A

Explanation: The hemodialysis delivery system should go into bypass for all of

the above alarms. Wrong pH, wrong conductivity, and wrong temperature can indicate potential complications or errors in the dialysis treatment process. Going into bypass mode allows the system to temporarily suspend the treatment until the issue is resolved or investigated further by the hemodialysis technician or medical staff. This helps ensure patient safety and prevents any potential harm or adverse events during the treatment.

Question: 9

Which of the following personal protective equipment (PPE) is necessary to wear when working in a dialysis setting?

- A. Gown and gloves only
- B. Gloves and mask only
- C. Gown, gloves, and mask
- D. Gloves only

Answer: C

Explanation: When working in a dialysis setting, it is necessary to wear a gown, gloves, and mask as personal protective equipment (PPE). These items of PPE help to protect against potential exposure to infectious diseases, bloodborne pathogens, and other contaminants that may be present in the dialysis environment.

Question: 10

Which of the following is the most appropriate personal protective equipment (PPE) to wear when handling potentially infectious materials in a dialysis

setting?

- A. Gown and gloves only
- B. Gloves and mask only
- C. Gown, gloves, and mask
- D. Gloves only

Answer: C

Explanation: When handling potentially infectious materials in a dialysis setting, the most appropriate personal protective equipment (PPE) to wear includes a gown, gloves, and a mask. This combination of PPE helps to protect against potential exposure to infectious diseases.

Question: 11

Which of the following is not considered one of the eight core curriculum modules for dialysis technician/LPN training?

- A. Dialyzer reprocessing
- B. Treatment of the water
- C. Financial interpretation
- D. All of the above

Answer: C

Explanation: The eight core curriculum modules for dialysis technician/LPN training typically include topics such as dialyzer reprocessing, treatment of the water used in dialysis, and other technical aspects of the job. Financial interpretation, however, is not typically included in the core curriculum for dialysis technician/LPN training.

Question: 12

Which of the following is an example of biohazard waste that should be disposed of properly in a dialysis setting?

- A. Soiled linen
- B. Used dialyzers
- C. Empty medication vials
- D. Patient medical records

Answer: B

Explanation: In a dialysis setting, used dialyzers are considered biohazard waste and should be disposed of properly. Biohazard waste poses a potential risk of infection and must be handled and disposed of according to established protocols to ensure the safety of staff and patients.

Question: 13

Which of the following complications in dialysis treatments is associated with infectious diseases?

- A. Hepatitis
- B. Hyperkalemia
- C. Hypotension
- D. Hypocalcemia

Answer: A

Explanation: Hepatitis is a complication of dialysis treatments that can be associated with infectious diseases. Hepatitis is an inflammation of the liver, often caused by viral infections such as hepatitis B or hepatitis C. Patients receiving dialysis are at an increased risk of hepatitis due to potential exposure to infected blood or contaminated equipment during the treatment process.

Question: 14

What is the proper procedure for disinfecting a dialysis station between treatments?

- A. Spray the surfaces with a disinfectant solution and wipe them dry with a clean cloth
- B. Wipe down all surfaces with a disinfectant solution and allow them to air dry
- C. Use a combination of soap and water to clean the surfaces, followed by a disinfectant solution
- D. Use a high-pressure steam cleaner to sanitize the surfaces

Answer: B

Explanation: The proper procedure for disinfecting a dialysis station between treatments involves wiping down all surfaces with a disinfectant solution and allowing them to air dry. This helps to ensure that any potential contaminants are eliminated, reducing the risk of cross-contamination.

SAMPLE QUESTIONS



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