

ATI MED SURG RN FLUID AND ELECTROLYTE BALANCE: CHRONIC KIDNEY FAILURE AND HEMODIALYSIS 3.0 CASE STUDY TEST



Question: 1 of 5

CORRECT

Time Elapsed: 00:03:12
Pause Remaining: 08:20:00

PAUSE

FLAG

A nurse is providing teaching to a client who has chronic kidney failure (CKF) and is scheduled to begin hemodialysis. Which of the following statements should the nurse make about the hemodialysis procedure?



"Toxins, waste, and excess fluids are removed from arterial blood using a machine two to three times per week."

CORRECT My Answer

The nurse should instruct the client that hemodialysis is a process that removes toxins and waste from the blood and eliminates excess fluids. Hemodialysis involves the use of vascular access, a dialyzer, dialysate, and a hemodialysis machine that regulates and monitors the process.

"Waste, fluid, and electrolytes are exchanged within the peritoneal cavity by gravity 7 days per week."

INCORRECT

The nurse should use this description to describe continuous ambulatory peritoneal dialysis.

"A tissue compatible kidney is received from a living or cadaver donor."

INCORRECT

The nurse should use this description to describe a kidney transplant.

"Waste, fluid, and electrolytes are exchanged within the peritoneal cavity using a cycling machine during sleeping hours."

INCORRECT

The nurse should use this description to describe automated peritoneal dialysis.



Question: 2 of 5

CORRECT

Time Elapsed: 00:05:41
Pause Remaining: 08:20:00

PAUSE

FLAG

A nurse is reviewing the medical record of a client who has chronic kidney failure (CKF). Which of the following diseases in the client's history is a main cause of CKF?



Diabetes mellitus

CORRECT My Answer

Diabetes mellitus and hypertension are the most common causes of CKF.

Rheumatoid arthritis

INCORRECT

Rheumatoid arthritis is not a known cause of CKF.

Asthma

INCORRECT

Asthma is not a known cause of CKF.

Gout

INCORRECT

Although gout can lead to CKF, it is not a main cause. Diabetes and hypertension are the most common causes of CKF.



Question: 3 of 5

CORRECT

Time Elapsed: 00:07:33
Pause Remaining: 08:20:00

PAUSE



FLAG

A nurse is reviewing laboratory values for a client who has chronic kidney failure (CKF). Which of the following values should the nurse expect?

BUN 18 mg/dL

INCORRECT

Clients who have CKF will have an increased BUN level caused by the inability of the kidneys to excrete waste and the buildup of nitrogenous products. This BUN level is within the expected reference range of 10 to 20 mg/dL.

Potassium 5.6 mEq/L

CORRECT

My Answer

The most common cause of hyperkalemia is acute or chronic kidney failure because the damaged kidneys are unable to excrete potassium. This potassium level is above the expected reference range of 3.5 to 5 mEq/L.

Hematocrit 40%

INCORRECT

Clients who have CKF will have a decreased hematocrit level due to anemia caused by a reduced production of erythropoietin by the kidneys. This hematocrit level is within the expected reference range of 37% to 52%.

Creatinine 0.9 mg/dL

INCORRECT

Clients who have CKF will have an increased creatinine level caused by the inability of the kidneys to excrete waste and the buildup of nitrogenous products. This creatinine level is within the expected reference range of 0.5 to 1.3 mg/dL.



Question: 4 of 5

CORRECT

Time Elapsed: 00:08:28
Pause Remaining: 08:20:00

PAUSE



FLAG

A nurse is providing teaching to a client who has chronic kidney failure and is scheduled to begin hemodialysis. Which of the following access sites should the nurse describe to the client?



Peripherally inserted central catheter (PICC)

INCORRECT

PICCs are not used for the purpose of hemodialysis.

Central venous catheter

INCORRECT

Central venous catheters are not used for the purpose of hemodialysis.

Arteriovenous fistula (AVF)

CORRECT

My Answer

AVFs are one of the internal accesses used for hemodialysis therapy. An AVF is created by surgically joining an artery and a vein.

Peripheral IV catheter

INCORRECT

Peripheral IV catheters are not used for the purpose of hemodialysis.

PREVIOUS

CONTINUE



Question: 5 of 5

CORRECT

Time Elapsed: 00:09:40
Pause Remaining: 08:20:00

PAUSE

FLAG

A nurse is providing teaching to a client who has chronic kidney failure (CKF) and is scheduled to begin hemodialysis treatments. Which of the following client statements indicates an understanding of the teaching?



"I will be sure to weigh myself every week when I start dialysis treatments."

INCORRECT

Clients who are undergoing hemodialysis treatment should be taught to weigh themselves every day.

"I will be on dialysis treatments until I can start urinating on my own again."

INCORRECT

Clients who have CKF that requires dialysis have reached a stage of their disease in which renal replacement or transplantation is required. Their kidneys will not recover to provide for adequate urination.

"I will only need dialysis treatments when my lab values are abnormal."

INCORRECT

Once renal replacement therapy starts, it will have to be continued on a routine basis of two to three treatments per week, unless a kidney transplant is performed.

"I will have to have dialysis treatments two or three times a week."

CORRECT

My Answer

Hemodialysis treatments vary with each client, but are usually performed two to three times per week.