Review Questions

Chronic Kidney Disease: A New Classification and Staging System: Review Questions

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The questions below are based on the article “Chronic Kidney Disease: A New Classification and Staging System,” which begins on page 18 of this issue. Choose the single best answer for each question.

1. Which of the following measures of kidney function is most important for defining and classifying chronic kidney disease (CKD)?
   (A) Blood pressure
   (B) Glomerular filtration rate (GFR)
   (C) Presence or absence of hematuria
   (D) Renal imaging results
   (E) Urine protein level

2. The serum creatinine concentration is a suboptimal measure of kidney function because it is affected by each of the following EXCEPT:
   (A) Body and muscle mass
   (B) Certain drugs
   (C) Diet
   (D) Laboratory analytical methods
   (E) Serum lipid levels

3. Which of the following is the gold standard test for measuring GFR?
   (A) Cockcroft Gault equation
   (B) Creatinine clearance (24-hour urine collection)
   (C) Inulin clearance
   (D) Iothalamate clearance
   (E) MDRD equation

4. Which of the following is the GFR cutoff that identifies diabetic patients who meet criteria for initiation of renal replacement therapy?
   (A) 25 mL/min
   (B) 20 mL/min
   (C) 15 mL/min
   (D) 10 mL/min
   (E) 5 mL/min

5. Each of the following maneuvers has been employed to reduce the progression of renal disease EXCEPT:
   (A) Blood pressure control
   (B) High protein diet
   (C) Lipid control
   (D) Modulation of the renin-angiotensin system with angiotensin-converting enzyme inhibitors and angiotensin receptor blockers
   (E) Tight glycemic control in diabetic patients with nephropathy

6. Which of the following is an urgent indication for initiation of renal replacement therapy?
   (A) Advanced anemia of chronic kidney disease
   (B) Hyperphosphatemia
   (C) Profound hypoalbuminemia
   (D) Severe hyperkalemia
   (E) Symptomatic hypocalcemia

For answers, see page 62.

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Answers to the review questions asked on page 46. The article on chronic kidney disease begins on page 18.

1. (B) Glomerular filtration rate (GFR)  
2. (E) Serum lipid levels  
3. (C) Inulin clearance  
4. (C) 15 mL/min  
5. (B) High protein diet  
6. (D) Severe hyperkalemia