

Self-assessment questions

Anaesthesia and chronic renal failure

A. SELECT THE SINGLE CORRECT ANSWER

- 1 The cardiovascular consequences of chronic renal failure include all of the following except:
 - A Hypertension
 - B Congestive cardiac failure
 - C Myocarditis
 - D Pericarditis
 - E Coronary artery disease
 - 2 Which of the following agents should be avoided in the patient with renal insufficiency:
 - A Pancuronium
 - B Isoflurane
 - C Succinylcholine
 - D Gallamine
 - E Thiopentone
 - 3 With reference to the chronic anaemia seen with renal dysfunction, which of the following statements is incorrect:
 - A Oxygen carrying capacity is reduced to about half of normal
 - B There is a decrease in the concentration of 2,3-diphosphoglycerate
 - C The main aetiological factor is a decrease in renal erythropoietin
 - D The half-life of red blood cells is reduced
 - E There is a compensatory increase in cardiac output
 - 4 Concerning the bleeding tendency of uraemia:
 - 1 The bleeding tendency can usually be reversed by adequate dialysis
 - 2 Hepatic dysfunction can contribute to the bleeding tendency of uraemia
 - 3 The primary defect is platelet dysfunction
 - 4 A coagulation screen is not required prior to spinal anaesthesia
 - 5 Regarding the use of regional anaesthesia in renal failure which of the following statements is/are incorrect?
 - 1 The total dosage of local anaesthetic should be reduced
 - 2 Epinephrine should be avoided
 - 3 Sympathetic blockade can result in profound hypotension
 - 4 Acidosis increases the central nervous threshold to local anaesthetics
 - 6 Concerning the use of succinylcholine in chronic renal failure which of the following statements is/are correct?
 - 1 The plasma cholinesterase level is always reduced in chronic renal failure
 - 2 Succinylcholine is contraindicated in patients with uraemic neuropathy
 - 3 Precurarization prevents a rise in the serum potassium
 - 4 If the serum potassium is less than 5.5 mEq/L it is considered safe to administer succinylcholine.
- B. FOR EACH QUESTION ONE OR MORE OF THE COMPLETIONS IS CORRECT, ANSWER AS FOLLOWS:
- A If only 1, 2 and 3 are correct
 - B If only 1 and 3 are correct
 - C If only 2 and 4 are correct
 - D If only 4 is correct
 - E If all are correct

ANSWERS
1 C 3 B 5 D
2 D 4 A 6 C