

Postgraduate Corner

1. In quinine sulphate overdose :
 - a. QTc interval shortens
 - b. Amiodarone is the anti-arrhythmic of choice for VT with pulse.
 - c. Quinine induces insulin release.
 - d. Continuous veno-venous hemofiltration will remove quinine
2. In relation to acute aortic dissection:
 - a. More common in females with peak incidence between 50-70 yrs of age
 - b. The European Society of Cardiology classifies into type A and type B
 - c. Adequate beta blockade should be established before initiation of vasodilator therapy in medical management.
 - d. Type A aortic dissection is managed medically.
3. Regarding defibrillation true is:
 - a. Transthoracic impedance is approximately 100 Ohms in adults.
 - b. Anteroposterior electrode placement is less effective than the sterno-apical position.
 - c. Biphasic defibrillators have a first shock efficacy of >86% for long duration VF
 - d. Biphasic defibrillators offer a survival advantage over monophasic devices.
4. Regarding variceal bleeding false is:
 - a. Portal hypertension is the most common cause.
 - b. Terlipressin may be beneficial in reducing bleeding.
 - c. Broad-spectrum antibiotics should be given acutely.
 - d. TIPS and liver transplantation may be considered in severe cases.
5. Regarding the Sengstaken-Blakemore tube false is:
 - a. Effective at controlling torrential bleeding from varices.
 - b. It has three lumens.
 - c. Insertion to the 55 cm mark at the incisors indicates that the gastric balloon position is below the gastroesophageal junction.
 - d. The oesophageal balloon must be deflated every 6 hours.
6. Regarding alcoholic liver disease(ALD) true is:
 - a. 30% of cirrhotic patients develop hepatorenal syndrome (HRS) within 1 year of diagnosis.
 - b. One UK unit of alcohol contains 20-24 g ethanol.
 - c. Ethanol metabolism causes accumulation of lipid in liver cells.
 - d. Infliximab is useful in preventing HRS in severe ALD.
7. Mannitol 20%:
 - a. 500 ml bag contains 100 g of mannitol.
 - b. Is alkalotic.
 - c. Mannitol solutions may crystallise at room temperature and should be discarded.
 - d. 0.25-1.0 mg/kg should be given IV for raised ICP.
8. Regarding pre-eclampsia true is
 - a. Results from trophoblastic invasion of spiral arteries within placenta.
 - b. More common in primiparous women.
 - c. Usually presents before 20 weeks gestation.
 - d. Proteinuria with high BP is required for diagnosis.
9. Dominant R-wave in lead V1 on ECG is found
 - a. WPW type B
 - b. Inferior myocardial infarction
 - c. HOCM
 - d. Dressler's syndrome.
10. Regarding oesophageal Doppler true is
 - a. Velocity of blood (m/s) in the descending aorta can be calculated provided the aortic cross-sectional area is known.
 - b. It is assumed 70% of cardiac output is distributed caudally to the descending aorta.
 - c. Doppler probes must be removed after 1 week.
 - d. Is accurate when used with a working epidural.

Answers

1. c, 2. c, 3. c, 4. a, 5. d, 6. c, 7. a, 8. b, 9. c, 10. b