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CCFP SAMP — Free Sample Questions

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SAMPLE QUESTION 1

A 59-year-old man presents to the emergency department with sudden onset severe tearing chest pain radiating to the back. He has a history of long-standing hypertension. Blood pressure is 190/110 mmHg in the right arm and 165/95 mmHg in the left arm. A new diastolic murmur is heard. What is the MOST appropriate next step in management?

- A. Administer aspirin and arrange urgent coronary angiography
- B. Start intravenous beta-blocker to rapidly control heart rate and blood pressure — Correct answer**
- C. Give sublingual nitroglycerin and observe
- D. Send patient home with oral antihypertensives
- E. Treat with proton pump inhibitor for presumed GERD

EXPLANATION

This presentation is highly suggestive of acute aortic dissection. The immediate priority is rapid reduction of shear stress on the aortic wall by controlling heart rate and blood pressure, most effectively with intravenous beta-blockade (e.g., esmolol). Imaging should follow hemodynamic stabilization.

SAMPLE QUESTION 2

A 72-year-old man presents to your clinic with progressive fatigue and dyspnea on exertion. He has a history of coronary artery disease and chronic kidney disease. His hemoglobin is 78 g/L and he appears pale with mild tachycardia.

Which factor MOST increases this patient's risk of decompensation from anemia?

- A. Age over 70
- B. Presence of coronary artery disease — Correct answer**
- C. Male sex
- D. Chronic kidney disease alone
- E. Mild tachycardia

EXPLANATION

Patients with underlying ischemic heart disease are at higher risk of decompensation from anemia and may require urgent transfusion.

SAMPLE QUESTION 3

Which traveler is most appropriate for the Japanese encephalitis vaccine?

- A. Intravenous normal saline hydration
- B. Hydrochlorothiazide
- C. Oral calcium carbonate
- D. NSAIDs
- E. Observation only — Correct answer**

EXPLANATION

Hydration is the first-line treatment in severe symptomatic hypercalcemia to promote renal calcium excretion.

SAMPLE QUESTION 4

A 32-year-old man presents with jaundice, dark urine, and fatigue for 1 week. He recently recovered from

a respiratory tract infection. On exam: mild splenomegaly and scleral icterus are noted. Labs: Hb 82 g/L, MCV 90 fL, reticulocyte count elevated, LDH elevated, indirect bilirubin elevated, haptoglobin undetectable. Peripheral smear shows spherocytes.

Q3. first-line treatment?

A. Corticosteroids (e.g., prednisone) — Correct answer

B. biologic agents

C. iron I.V

EXPLANATION

Steroids are the initial treatment for autoimmune hemolytic anemia.

SAMPLE QUESTION 5

A 22-year-old man strikes his head in a motorcycle accident. He loses consciousness briefly, then regains it, followed by rapid deterioration. CT shows a biconvex, lens-shaped hematoma.

What is the most likely diagnosis?

A. Intracerebral hemorrhage

B. Epidural hematoma — Correct answer

C. Subarachnoid hemorrhage

D. Subdural hematoma

E. Ischemic stroke

EXPLANATION

Lucid interval with lens-shaped hematoma is classic for epidural hematoma, usually due to middle meningeal artery rupture.

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