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AMC CAT MCQ — Free Sample Questions

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SAMPLE QUESTION 1

In managing depression in pregnancy, which option is MOST appropriate according to Australian guidelines?

- A. Avoid all treatment
- B. Use SSRIs such as sertraline if pharmacotherapy is required — Correct answer**
- C. Use lithium as first-line
- D. Prescribe benzodiazepines
- E. Use ECT only

EXPLANATION

SSRIs such as sertraline are relatively safe in pregnancy and recommended when pharmacotherapy is necessary, alongside psychosocial support.

SAMPLE QUESTION 2

A 32-year-old woman has Raynaud phenomenon, swollen hands, anti-centromere antibodies and telangiectasia. She reports reflux.

What is the most likely diagnosis?

- A. Diffuse systemic sclerosis
- B. Limited cutaneous systemic sclerosis — Correct answer**
- C. SLE
- D. Mixed connective tissue disease
- E. Rheumatoid arthritis

EXPLANATION

Raynaud, telangiectasia, reflux and anti-centromere antibodies suggest limited cutaneous systemic sclerosis (CREST spectrum) rather than diffuse disease.

SAMPLE QUESTION 3

A 62-year-old man presents with acute chest pain, diaphoresis, and ECG showing ST elevation in V2–V5

What is the MOST appropriate immediate management in a PCI-capable Australian hospital?

- A. Immediate thrombolysis
- B. Aspirin only
- C. Primary percutaneous coronary intervention (PCI) — Correct answer**
- D. IV nitrates only
- E. Coronary artery bypass grafting immediately

EXPLANATION

STEMI management in Australia prioritises urgent PCI where available. Thrombolysis is considered if PCI cannot be performed within the recommended timeframe.

SAMPLE QUESTION 4

A 28-year-old woman presents with bloody diarrhoea, abdominal pain, and urgency. Colonoscopy shows continuous mucosal inflammation from rectum proximally

What is the MOST likely diagnosis?

A. Crohn's disease

B. Ulcerative colitis — Correct answer

C. Infectious colitis

D. Ischaemic colitis

E. Irritable bowel syndrome

EXPLANATION

Ulcerative colitis presents with continuous colonic inflammation starting at the rectum, unlike Crohn's which is patchy and transmural.

SAMPLE QUESTION 5

A 3-year-old has two focal seizures lasting 20 minutes each during a febrile illness

What is the MOST likely classification?

A. Simple febrile seizure

B. Complex febrile seizure — Correct answer

C. Epilepsy

D. Absence seizure

E. Infantile spasms

EXPLANATION

Complex febrile seizures are prolonged (>15 minutes), focal, or recurrent within 24 hours.

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