

Surgery INI-25 (May) Reworked

Subject: Surgery

Topic: Peripheral vascular disease (PVD)

Subtopic: Arterial Disorders

Question Number: 1

Non-Clinical Question:

Imminent gangrene in peripheral vascular disease (PVD) is associated with an ankle-brachial pressure index (ABPI) of less than:

Options:

- A) 1.0
- B) 0.7
- C) 0.5
- D) 0.3

Correct Answer: D) 0.3

Question number: 2

Non-clinical Question:

Which of these is **not** a contraindication to breast-conserving therapy (BCT)?

Options:

- A) Prior chest radiation
- B) Positive margins after resection
- C) Scleroderma
- D) Limited to one quadrant

Correct Answer: D) Limited to one quadrant

Subject: Surgery / Plastic surgery technique

Topic: Scar revision techniques

Subtopic: Z-plasty

Question Number: 3

Non-Clinical Question:

What is the Z-plasty technique?

Options:

- A) Technique for scar lengthening
- B) Technique of flap creation
- C) Zig-zag suture
- D) Local transposition flap

Correct Answer: A) Technique for scar lengthening

Question Number: 4

Clinical Question:

A female presents with bleeding per rectum. A mass is felt 6 cm from anal verge. The tumour shows intra-mucosal carcinoma. What is the stage of the cancer?

Options:

- A) 1
- B) 2A
- C) 2B
- D) 0

Correct Answer: D) 0

Subject: Surgery / Urology

Topic: Nephrolithiasis — metabolic risk factors

Subtopic: Recurrent stone risk factors

Question Number: 5

Non-Clinical Question:

Recurrent urinary stones occur in all of these except:

Options:

- A) Hyperoxaluria
- B) Hyperuricosuria
- C) Hypercalciuria
- D) Hypercitraturia

Correct Answer: D) Hypercitraturia

Subject: Surgery

Topic: Thoracic trauma / pleural disease

Subtopic: Tension pneumothorax

Question Number: 6

Non-Clinical Question:

All the following are true regarding tension pneumothorax **except**:

Options:

- A) A common cause of tension pneumothorax is positive pressure ventilation (PPV)
- B) Thoracic spine injury can cause pneumothorax
- C) Breath sounds are absent on the affected side
- D) Simple pneumothorax cannot convert into a tension pneumothorax

Correct Answer: D) Simple pneumothorax cannot convert into a tension pneumothorax

Subject: Surgery

Topic: Pituitary tumours

Subtopic: Functional Adenoma

Question Number: 7

Non-Clinical question:

Most common pituitary tumour in clinical practice is:

Option:

- A) GH producing adenoma
- B) ACTH producing adenoma
- C) Functional adenoma
- D) Non-functional adenoma

Correct Answer: C) Functional adenoma

Subject: Surgery

Topic: Breast carcinoma

Subtopic: TNM staging

Question Number: 8

Non-clinical Question:

Which of these is not included in stage T4b breast cancer?

Options:

- A) Ulceration
- B) Satellite nodules
- C) Skin erythematous excoriation > 1/3rd
- D) Peau d'orange

Correct Answer: C) Skin erythematous excoriation > 1/3rd

Subject: Surgery / Urology

Topic: Imaging for ureteric calculi

Subtopic: Investigation of choice

Question Number: 9

Clinical Question:

A patient with ureteric calculi is being investigated. What is the **investigation of choice** for diagnosis?

Options:

- A) USG KUB (ultrasound)
- B) NCCT KUB (non-contrast CT KUB)
- C) CECT KUB
- D) Ureteroscopy

Correct Answer: B) NCCT KUB

Subject: Surgery

Topic: GastroIntestinal tract

Subtopic: Appendicitis

Question Number: 10

Clinical Question:

A 20-year-old female has fever, nausea and rebound tenderness with migration of pain to the right iliac fossa (RIF). Lab investigation shows raised TLC of 15,000. What is the Alvarado score?

Options:

- A) 6
- B) 7
- C) 5
- D) 4

Correct Answer: A) 6

Subject: Surgery / Burns management

Topic: Burn resuscitation — Muir & Barclay formula

Subtopic: Colloid specified

Question Number: 11

Non Clinical Question:

Which colloid is used in resuscitation as per the **Muir & Barclay** formula?

Options:

- A) PRBC
- B) FFP
- C) Albumin
- D) Dextran

Correct Answer: C) Albumin

Subject: Surgery

Topic: Wound care

Subtopic : Negative pressure wound therapy (VAC)

Question Number: 12

Non-Clinical Question:

Which is **NOT** correct about vacuum-assisted closure (VAC)?

Options:

- A) Reduces bacterial load
- B) Continuous or intermittent negative pressure
- C) Promotes healing of tissue
- D) Reduces edema of wound

Correct Answer: A) Reduces bacterial load

Subject: Surgery

Topic: GastroIntestinal tract

Question Number: 13

Non-Clinical Question:

Which of these is **incorrectly** paired?

Options:

- A) Chronic pancreatitis — Manheim score
- B) Achalasia — Los Angeles classification
- C) Colonoscopy — Boston score
- D) Parathyroid resection — Miami criteria

Correct Answer: B) Achalasia — Los Angeles classification

Subject: Surgery

Topic: GastroIntestinal tract

Subtopic: Bariatric surgery

Question Number: 14

Non-Clinical Question:

Identify the bariatric surgery in the given image:



Options:

- A) Sleeve gastrectomy
- B) SADI-S
- C) BPD
- D) DS

Correct Answer : B) SADI-S

Subject: Surgery

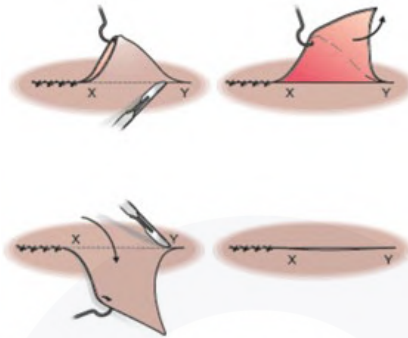
Topic: Minor procedures

Subtopic: Soft tissue procedure identification

Question Number: 15

Non-Clinical Question:

Identify the procedure:



Options:

- A) I & D (incision & drainage)
- B) STSG (split thickness skin graft)
- C) Keloid excision
- D) Dog ear correction

Correct Answer: D) Dog ear correction

Subject: Trauma

Topic: Emergency surgery

Subtopic: Immediate management of traumatic chest compromise

Question Number: 16

Clinical Question:

A patient with a history of chest trauma and breathlessness is found to have systolic BP 90 mmHg, SpO2 85%, GCS 8/15 and absent breath sounds. What is the next step?

Options:

- A) Secure airway, needle thoracotomy, and IV fluids
- B) Blood transfusion and send for CT
- C) Take history, give IV Dextrose and send for eFAST
- D) CT scan of head and airway securing

Correct Answer: A) Secure airway, needle thoracotomy, and IV fluids

Subject: Surgery

Topic: Burns

Subtopic: Estimation of burn area — Rule of Nines (adult)

Question Number: 17

Clinical Question:

While cooking, a sudden cooker blast caused burns of face with singeing of eyebrows, bilateral upper limbs, and front of chest. What is the burn area?

Options:

- A) 27–30%
- B) 33–36%
- C) 40–45%
- D) 50–56%

Correct Answer: C) 27–30%

Subject: Surgery

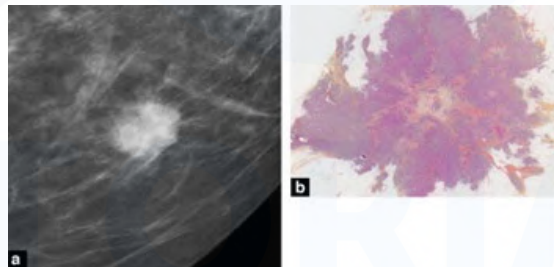
Topic: Breast cancer

Subtopic; Indications for germline testing

Question Number: 18

Clinical Question:

The mammogram and histopathological picture of a woman with breast cancer is given below. She had undergone a mastectomy. Her aunt died of cancer. Which test will you do for the sister of the patient?



Options:

- A) BRCA1
- B) TP53
- C) CDH-1
- D) RET

Correct Answer: A) BRCA1

Subject: Surgery

Topic: Colorectal cancer

Subtopic: Dukes staging

Question Number: 19

Clinical Question:

A 62-year-old man is diagnosed with colorectal cancer. Histopathology reveals that the tumor has invaded the muscularis propria but there is no involvement of lymph nodes or distant metastasis. According to the Dukes staging system, what is the most appropriate stage?

Options:

- A) Dukes stage 0
- B) Dukes stage A (Stage I)
- C) Dukes stage B1 (Stage IIa)
- D) Dukes stage B2 (Stage IIb)

Correct Answer : C) Dukes stage B1 (Stage IIa)