

**SURGERY**

**1. 25-year-old male presents with severe perianal pain after straining during passage of hard stool. On examination olive shaped lump at perianal margins is noted. Which is the correct diagnosis?**

- a. Anal fissure
- b. Haemorrhoids
- c. Pilonidal sinus
- d. Anorectal abscess

## 2. Which of the following is not correct about CHPS diagnosed in a 3-week-old infant?

- a. Visible pulsations in Hypogastrium
- b. Olive size lump
- c. Hyponatremia is first electrolyte imbalance to be corrected
- d. Pre-natal exposure to macrolides is a risk factor

**3. 10-year-old child presents with pain that started in epigastrium and migrated to right iliac fossa with fever and multiple vomiting episodes. On examination, rovsing sign is noted. Which of the following is correct about this condition?**

- a. Maximum tenderness is noted at junction of medial 1/3 and lateral 2/3 of line joining ASIS and umbilicus
- b. Preferred investigation for diagnosis of this case is ultrasound
- c. Ochsner Sherren regimen is used for management of appendicular abscess
- d. Alvarado score is used to assess for complications

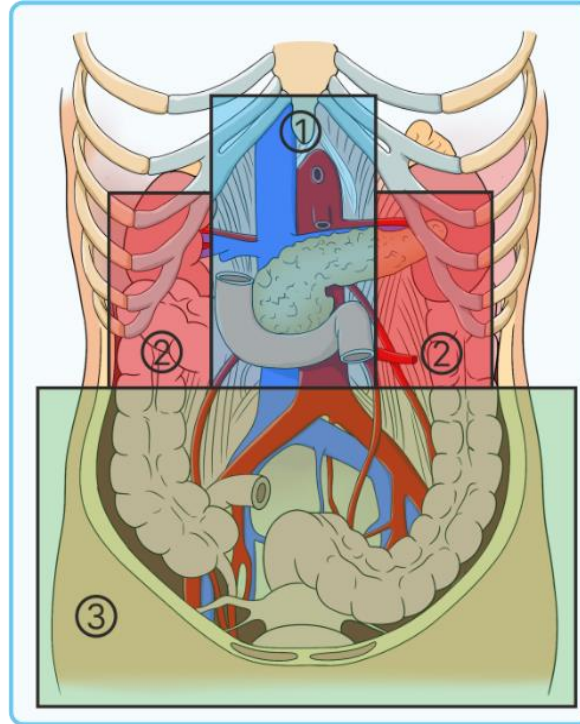
**4. Which of the following hernia is most commonly seen in a patient after undergoing muscle cutting incision in appendicectomy?**

- a. Direct inguinal hernia
- b. Indirect inguinal hernia
- c. Femoral hernia
- d. Incisional hernia

Injury to ilio-hypogastric nerve

**5. Routine exploration for blunt abdominal trauma should be done for which zone?**

- a. 1
- b. 2
- c. 3
- d. All



**6. Which of the following is muscle cutting incision for appendicectomy?**

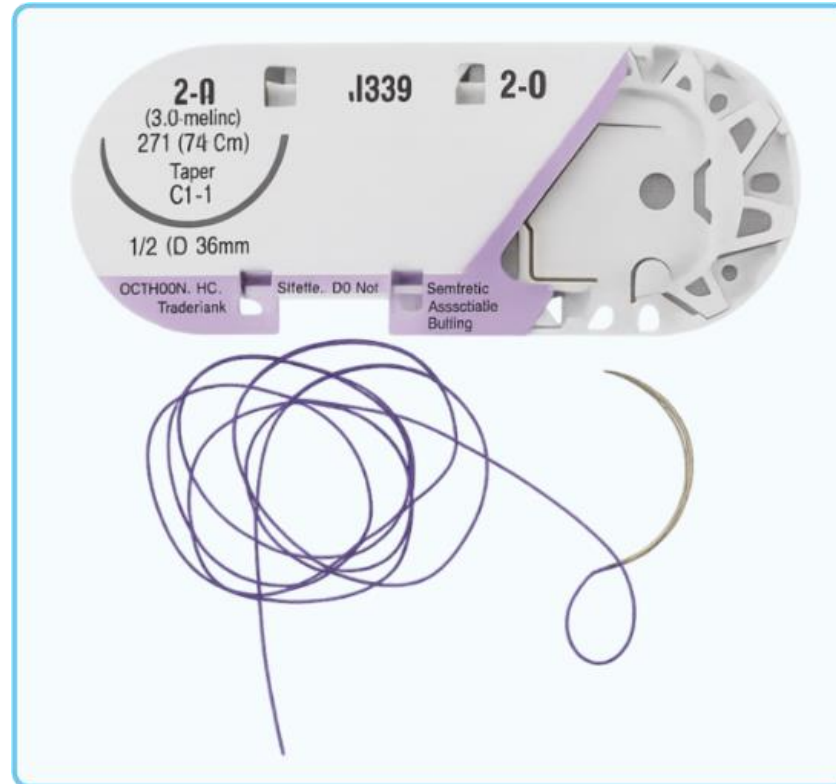
- a. Rutherford Morrison
- b. Mcburney
- c. Lanz
- d. Right lower paramedian

**7. SvO<sub>2</sub>, mixed venous oxygen saturation is used in assessment of shock. This parameter is used in measuring at which of the following sites?**

- a. Inferior vena cava
- b. Subclavian vein
- c. Superior vena cava
- d. Pulmonary artery

## 8. What is the suture material shown below?

- a. Prolene
- b. Polyglactin
- c. Catgut
- d. Chromic catgut



**9. Are all of the following correct about it except?**

- a. Abbreviated laparotomy
- b. Temporary packing and closure
- c. Low volume resuscitation
- d. Liberal use of colloids to allow volume expansion

**10. 40-year-old with gun-shot to leg is brought to ER in confused state. Heart rate is 120/min, BP 70/50 mm Hg. RR 30/min with nil urine output on Foley catheter insertion. All are correct about his condition except?**

- a. Modified shock index will predict mortality
- b. Location and clamping the bleeder is stop the bleeding
- c. Infuse type O Plasma for volume expansion
- d. Target urine output of 2ml/kg/hour during resuscitation with volume replacement

## 11. Which of the following is correct about components of SOFA score?

- a. SBP, Respiratory rate and GCS
- b. SBP, Respiratory rate, urine output and GCS
- c. MAP,  $po_2/Fio_2$  ratio, GCS, Creatinine,
- d. MAP,  $po_2/Fio_2$  ratio, GCS, Creatinine, platelet count and Bilirubin

## 12. What is the most common site of pressure sores?

- a. Ischium
- b. Greater trochanter
- c. Sacrum
- d. Heel

**13. All of the following causes of shock lead to elevated CVP except?**

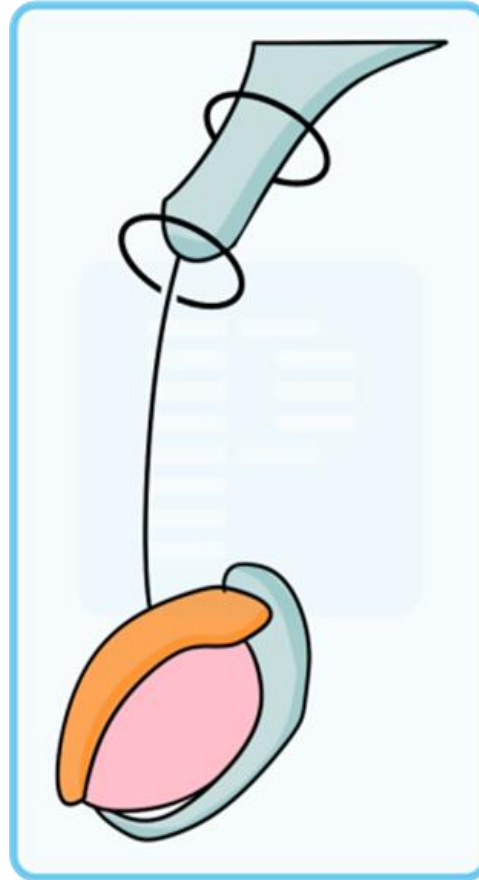
- a. Cardiac tamponade
- b. Pulmonary embolism
- c. Air embolism
- d. Sepsis

**14. Which of the following is best to differentiate between direct and indirect inguinal hernia**

- a. Cough impulse
- b. Groin swelling
- c. Reducibility
- d. Deep ring occlusion test

**15. The following schematic diagram shows indirect inguinal hernial sac and testis relations. Which of the following description is correct for this hernia**

- a. Bubonocele
- b. Funicular
- c. Complete
- d. Saddle bag



**16. When both a direct and an indirect inguinal hernia coexist on the same side, the two sacs lie on either side of the inferior epigastric vessels and is called as?**

- a. Littre hernia
- b. Richter hernia
- c. Hernia en glissade
- d. Pantaloon hernia

**17. The most common type of hernia seen in female patients is?**

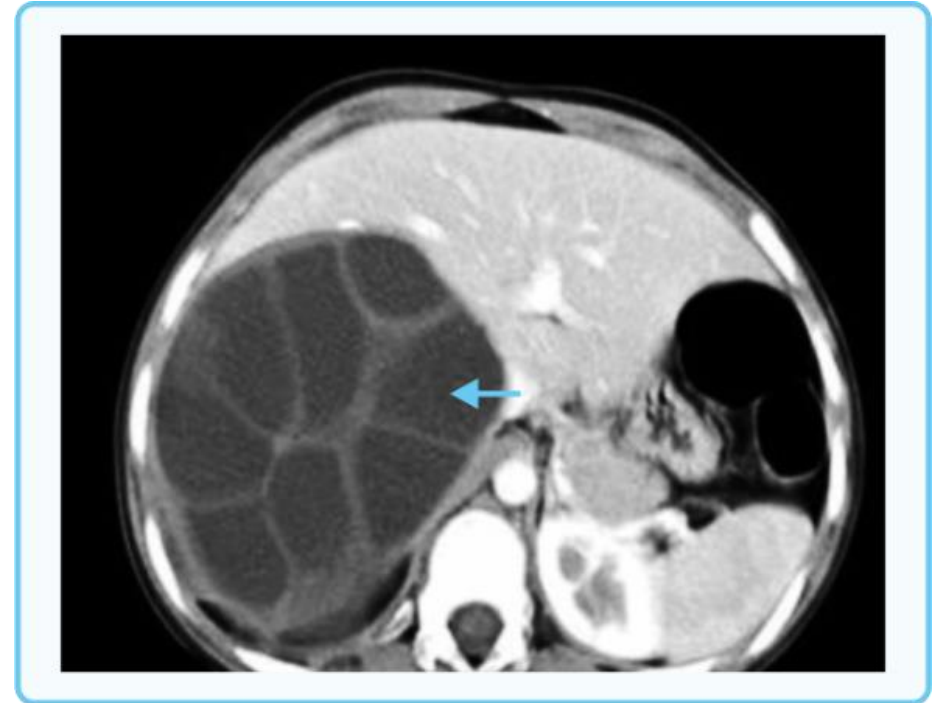
- a. Direct inguinal hernia
- b. Indirect inguinal hernia
- c. Femoral hernia
- d. Maydl hernia

**18. 30-year-old patients present fever and right upper quadrant pain that is radiating to the right shoulder. Ultrasound shows an abscess in the right lobe of the liver measuring 3 x 3 cm. Which is the correct line of management of this case?**

- a. IV albendazole
- b. IV metronidazole
- c. IV metronidazole + USG guided drainage
- d. IV metronidazole + USG guided drainage + pig tail catheter for residual drainage

**19. A 30 year old butcher presents with mass in the right upper quadrant. On examination increased liver span is noted. CT abdomen is shown below. Which of the following is not correct about this condition**

- a. Gharbi classification used for radiological assessment
- b. PAIR is used for management of CE5 cysts
- c. Can rupture into biliary tree causing cholangitis
- d. Humans are intermediate hosts

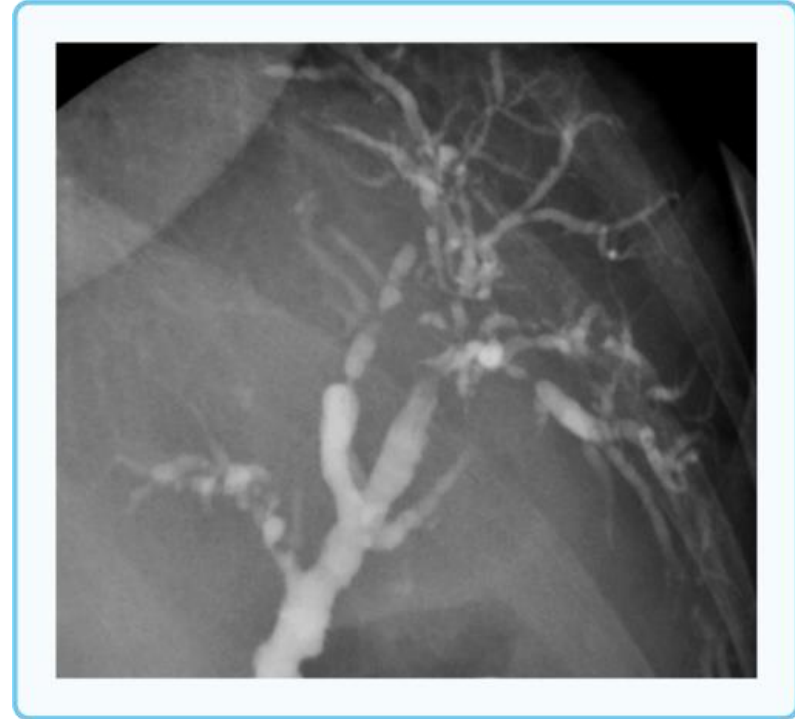


**20. Balthazar score is used for assessment of which of the following**

- a. Acute pancreatitis
- b. Chronic pancreatitis
- c. Carcinoma pancreas
- d. Pseudo pancreatic cyst

**21. 25-year-old woman presents with fatigue and pruritus with jaundice. She has a known case of ulcerative colitis. USG shows evidence of cholestasis. ERCP image is shown below. Which of the following is correct about this condition?**

- a. Associated with anti-mitochondrial antibody
- b. Central dot sign
- c. Onion skinning
- d. Segmental dilation of biliary tree



**22. A patient with blunt trauma to the chest is brought to hospital. On examination use of accessory muscles of respiration is noted and trachea appears deviated to the contralateral side. Breath sounds appear distant with dullness to percussion. Which of the following should be done in this patient?**

- a. Urgent CXR
- b. Urgent wide bore needle in 5<sup>th</sup> ICS in mid axillary line
- c. Urgent wide bore needle in 2<sup>nd</sup> ICS in mid clavicular line
- d. Do blood grouping and cross matching and start massive transfusion protocol

**23. The image shown shows which of the following**

- a. Eschmann blade
- b. Humby knife
- c. Mesher
- d. Watson knife



**24. A road traffic accident victim is a 20-year-old guy who was hit by a car while walking on the sidewalk. Which of the following is the first step in management of this patient?**

- a. Direct pressure tourniquet for external bleeding
- b. Secure airway after C spine stabilization
- c. Insert wide bore cannula and start crystalloids
- d. Assess for head injury and deteriorating neurological status

**25. Child with IHPS is having following ABG report: pH: 7.48, PCO<sub>2</sub> = 48 and HCO<sub>3</sub> = 33 meq/L. Na 130 meq, K 2.8 meq/L and Chloride of 90 meq/L. Which is correct about management**

- a. First give Normal saline to correct dehydration followed by KCL correction
- b. First give KCL correction followed by normal saline
- c. First give ringer lactate to correct dehydration
- d. First give KCL correction followed by ringer lactate

**26. The 1 month old infant is vomiting, poor feeding and alcoholic stools with enlarged liver and high colour urine. USG abdomen shows triangular cord sign. What test should be done for confirmation of diagnosis**

- a. Hepatobiliary iminodiacetic acid scan
- b. ERCP
- c. Intra-operative cholangiography
- d. CT abdomen

**27. You are an intern and are performing a deep ring occlusion test in a patient with hernia. Which is the correct statement about it?**

- a. If expansile impulse is seen medial to deep ring it implies indirect inguinal hernia
- b. If expansile impulse is seen lateral to deep ring it implies indirect inguinal hernia
- c. If expansile impulse is seen medial to deep ring it implies direct inguinal hernia
- d. If expansile impulse is seen lateral to deep ring it implies direct inguinal hernia

**28. A young female has been diagnosed with femoral hernia. Which of the following is correct about it by NYHUS classification of groin hernias**

- a. Type I
- b. Type II
- c. Type III A
- d. Type III C

**29. A patient with hemoglobinopathy is diagnosed with gall stones. What is the composition of these stones?**

- a. Cholesterol Monohydrate
- b. Calcium Bilirubinate
- c. Calcium Mono-oxalate
- d. Calcium triple phosphate

**30. A 70-year-old man has undergone TURP for Benign prostatic hyperplasia. Which of the following fluids is used for continuous bladder irrigation:**

- a. Normal Saline
- b. Glycine
- c. Mannitol
- d. Sterile water

**31. A 25-year old man sustained a head injury. He is admitted to the ICU. On examination he is having eye opening to pain stimulus, speaks in inappropriate words. On giving painful stimulus to the left hand he exhibits a weak flexion of right arm. The left pupil is non-reactive to light and the right exhibits pupillary reaction. Calculate GCS-P score of this patient**

- a. 7
- b. 8
- c. 9
- d. 10

**32. A patient of chest trauma underwent thoracic surgery. While reviewing output charts you find 200 mL of blood in the drain within the last one hour. What is the next step in management?**

- a. Document and continue monitoring
- b. Clamp the drain
- c. Notify the surgeon
- d. Remove the Drain



**33. You find a patient with central line dressing soaked with blood. What should you do first?**

- a. Change the dressing
- b. Apply pressure over the site
- c. Notify the physician
- d. Start another IV line

**34. 30-year-old construction worker who smokes presents with night pain in feet and legs. Earlier he was having cramp like pain in calves that are precipitated by walking and relieved by standing still. Which is correct about this condition?**

- a. Ankle branchial index of  $< 0.5$
- b. Loss of compressibility of vein on ultrasound
- c. Fogarty catheter is used for treatment
- d. Start PDE 3 inhibitor to cause vasoconstriction

**35. TRAM flap is used for which of the following**

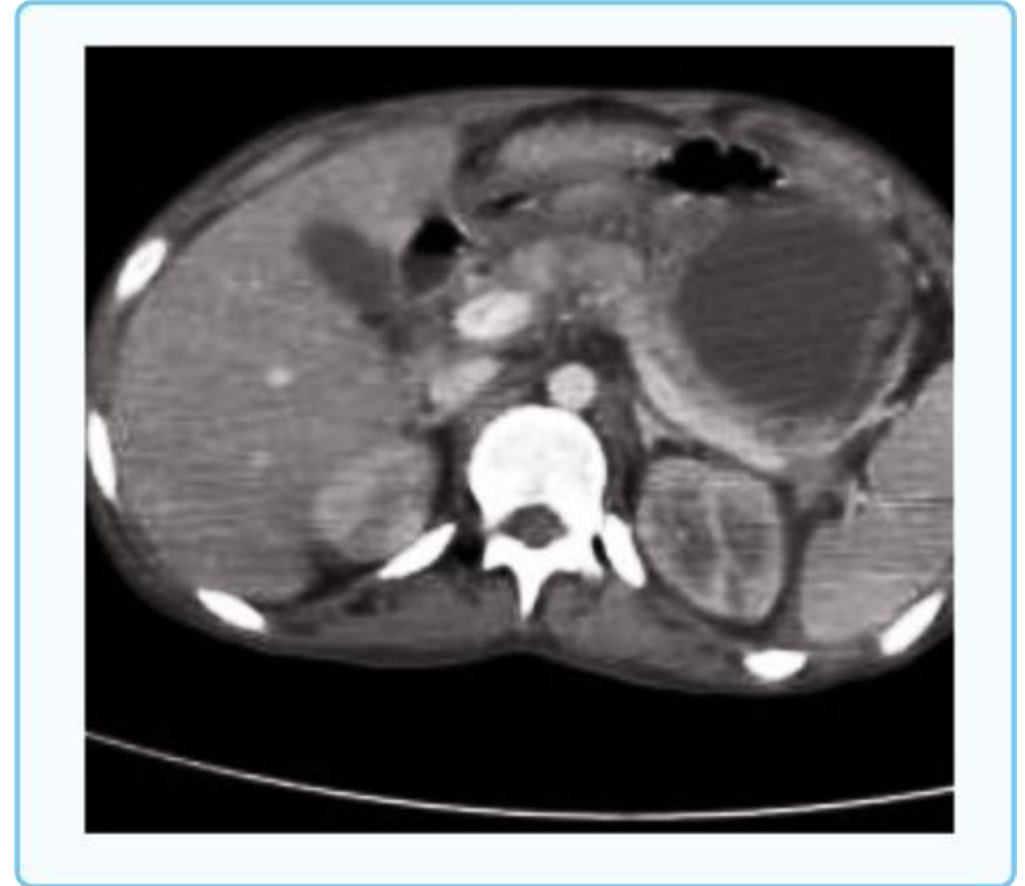
- a. Breast reconstruction
- b. Lip reconstruction
- c. Pilonidal sinus surgery
- d. Venous ulcer repair

**36. Which of the following is not a feature commonly associated with breast cancer in terms of clinical presentation, histopathology, or TNM staging?**

- a. Painless, firm, fixed mass in the upper outer quadrant of the breast with associated axillary lymphadenopathy
- b. Invasive ductal carcinoma showing glandular differentiation with possible necrosis and desmoplastic stroma
- c. T2 category includes a tumor size  $>2$  cm but  $\leq 5$  cm without regional lymph node involvement or distant metastasis
- d. Lobular carcinoma in situ (LCIS) typically shows invasion through the basement membrane into surrounding tissue

**37. A 45-year-old man presents with nausea vomiting and lump in epigastrium. He is a known alcoholic and has been hospitalized earlier for abdominal paracentesis. CT scan is shown. Diagnosis is?**

- a. Ascites
- b. Spontaneous bacterial peritonitis
- c. Pseudo-pancreatic cyst
- d. Stomach volvulus



### **38. What is the site of impaction in Gall stones ileus**

- a. Hartman pouch
- b. Ampulla of vater
- c. Ileo-caecal valve
- d. 60 cm proximal to ileo-caecal valve

**39. Leading cause of lower GI bleeding causing hospitalization and hemodynamic instability is**

- a. External hemorrhoids
- b. Internal hemorrhoids
- c. Anal fissure
- d. Diverticulosis

**40. A 30-year-old alcoholic patient is having severe epigastric pain. You have admitted the patient and given IV PPI. He is having violent retching but says he is not able to vomit. Efforts in putting a NG tube are unsuccessful. Which medical condition should be suspected?**

- a. Mallory Weiss syndrome
- b. Stomach volvulus
- c. Boerhaave syndrome
- d. Menetrier disease

**41. Which of the following is a pre malignant lesion of stomach**

- a. GIST
- b. Zollinger ellison syndrome
- c. Menetrier disease
- d. Enteropathy associated T cell lymphoma

## 42. Imaging modality of choice for detection of Zollinger Ellison syndrome?

- a. Gallium 68 DOTATE PET- CT
- b. Somatostatin receptor scintigraphy
- c. Endoscopic ultrasound
- d. Indium 111 Radiolabelled scan





**43. Which of the following is not correct about carcinoma stomach?**

- a. Trosseau syndrome
- b. Sister mary joseph nodules
- c. Osteoblastic secondaries
- d. Iron deficiency anemia

#### 44. Which of the following features will not be seen in patients of achalasia cardia

- a. Lack of gas bubble in stomach
- b. Sigmoid oesophagus
- c. Standing or sitting up straight during meal times
- d. Oesophageal manometry shows hyper- peristalsis

45. Which of the following blades is used for Incision and drainage

A	B	C	D
 A scalpel blade with a sharp, pointed tip and a straight edge, labeled with the number 17.	 A scalpel blade with a curved, concave edge and a straight edge, labeled with the number 15.	 A scalpel blade with a curved, concave edge and a straight edge, labeled with the number 22.	 A scalpel blade with a curved, concave edge and a straight edge, labeled with the number 20.

**46. The 25-year-old male presents with swelling in the femoral region which is smooth, compressible and pulsatile in nature. History of trauma to leg, two years ago is present. Diagnosis is?**

- a. Femoral hernia
- b. Saphena varix
- c. Congenital Arteriovenous malformation
- d. Arteriovenous fistula

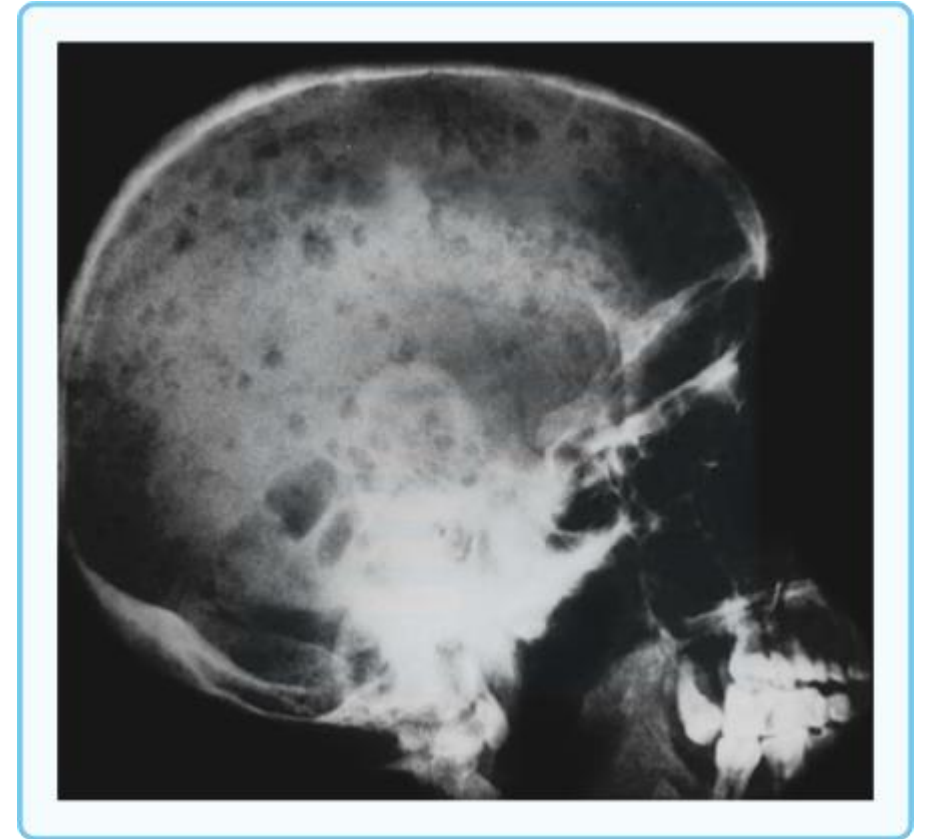
**47. Old white man presents with the following lesion that has been growing steadily over the last one year. Regional lymph nodes are not involved. Diagnosis?**

- a. Basal cell cancer
- b. Squamous cell cancer
- c. Potts puffy tumor
- d. Soft tissue sarcoma



**48. A middle- aged lady presents with abdominal groans, psychic moans and recurrent kidney stones. X-ray skull is shown below. Which is correct about the blood work of this patient?**

- a. Low phosphate, high calcium with high SAP
- b. Low phosphate with low calcium and high SAP
- c. High phosphate with low calcium and high SAP
- d. High phosphate with high calcium and high SAP



**49. 40-year-old lady presents with breast mass which is non tender with a bosselated appearance. Skin over the breast is stretched, red and shows dilated veins. No axillary lymph nodes are palpable. Diagnosis is?**

- a. Breast abscess
- b. Fibroadenoma
- c. Fibrocystic disease of breast
- d. Sero-cystic disease of breast

**50. Primigravida after delivery is having brawny induration over the right breast with tender fluctuant swelling. Body temperature is 39 C. Which is the correct intervention?**

- a. Breast pump for milk evacuation
- b. Antibiotics with breast pump
- c. Antibiotics with incision and drainage
- d. Milk suppression with bromocriptine 2.5 mg BD for 2 weeks

**51. Which of the following is most aggressive breast cancer?**

- a. Paget's disease
- b. Mastitis carcinomatosis
- c. DCIS
- d. LCIS

**52. The 30-year-old lady has breast mass in the right upper outer quadrant of breast which measures 3 x 4 cm. It has limited mobility due to adherence to overlying skin and is showing signs of ulceration. What is the staging of tumours?**

- a. T4 a
- b. T4 b
- c. T4 c
- d. T4 d

**53. Which of the following is not a component of triple assessment technique for breast mass?**

- a. Clinical examination
- b. USG imaging
- c. Core biopsy
- d. Self-breast examination

**54. A 60-year-old man presents with low backache, nocturia and urinary hesitancy. MRI spine shows multiple fractures in LS spine. Suspecting a carcinoma prostate which investigation will confirm diagnosis?**

- a. Urodynamic Study
- b. Prostate specific antigen > 4 ng/ml
- c. Trans-rectal ultrasound
- d. Intravenous urography

**55. Investigation of choice for a 60-year-old patient with dysphagia, pneumonia episodes and cachexia?**

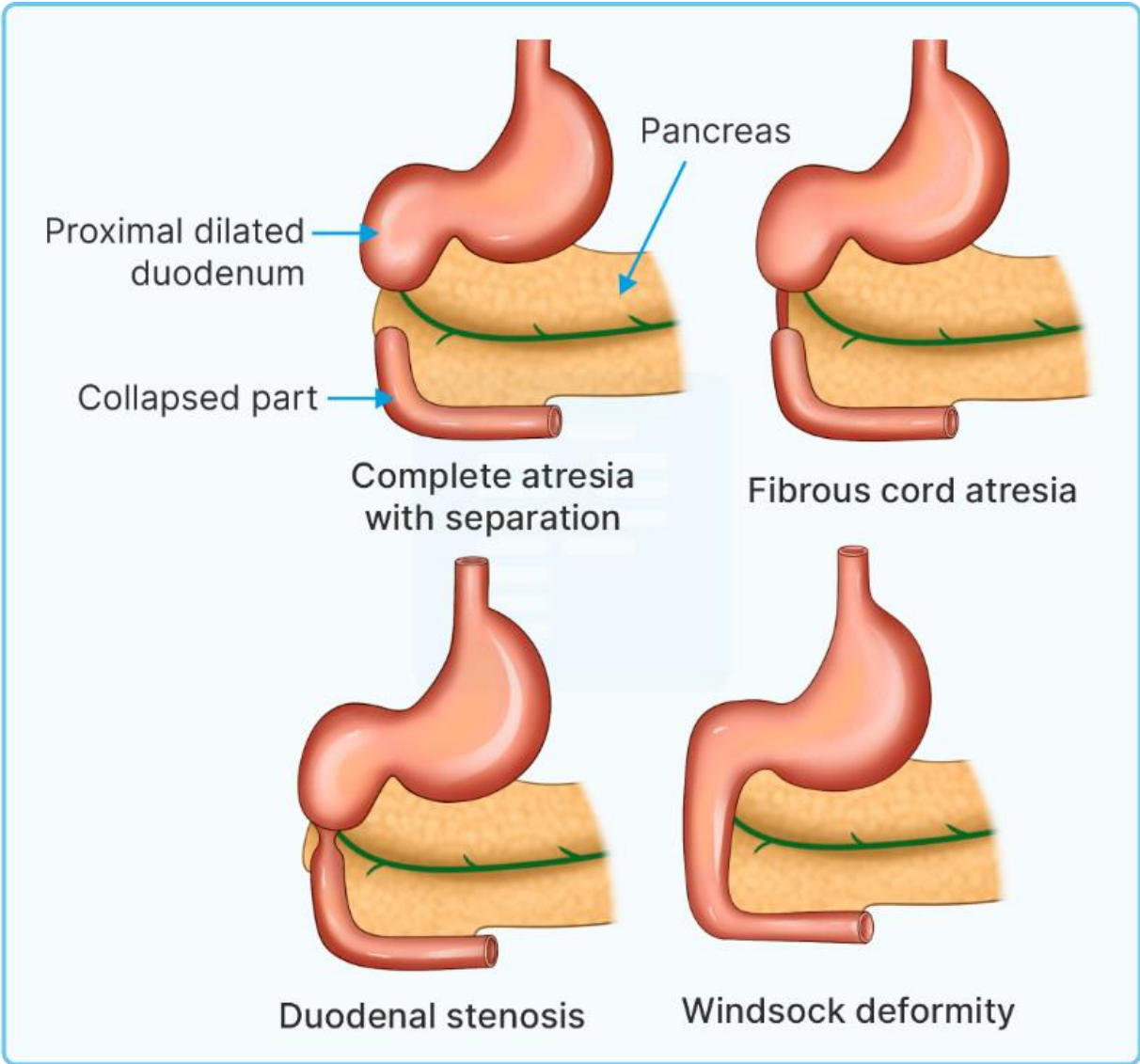
- a. Barium swallow
- b. Barium meal follow through
- c. Upper GI endoscopy
- d. Endoscopic ultrasound

**56. Skeletal pulsatile metastasis is seen in which of the following?**

- a. Multiple Myeloma
- b. Potts puffy tumor
- c. Follicular cancer thyroid
- d. Paget disease

**57. Down syndrome child develops non-bilious vomiting with dehydration and hypokalemia on day 2 of life. USG shows a distended stomach and railroad track duodenum. Diagnosis is?**

- a. CHPS
- b. Duodenal atresia (Pre ampullary)
- c. Jejunal atresia
- d. Ileal atresia



## 58. True about GIST?

- a. Most common epithelial cell tumor of GUT
- b. Most common location is ileum
- c. Treatment of choice for localized tumor is imatinib mesylate
- d. Most common presentation is GI hemorrhage

**59. A 25-year-old male comes with complaints of increased urinary frequency with pain at the tip of penis. He noted terminal hematuria and occasional interruption of urinary stream. The NCCT pelvis shows a bladder stone. Intervention to be done is:**

- a. Cystolitholapaxy
- b. ESWL
- c. Pyelolithotomy
- d. Ureterosigmoidostomy

**60. A lady was presented with the following lesion in the right arm. She underwent mastectomy 10 years ago. Diagnosis is?**

- a. Lymphangiosarcoma
- b. Lymphedema
- c. Cancer en cuirasse
- d. Elephantiasis Chirugens



## 61. Cameron ulcer is seen in

- a. Stomach in Para-esophageal hernia
- b. Stomach in sliding hernia
- c. Stomach in burns
- d. Stomach in raised ICP

**62. A 30-year-old patient presents with a lump in the peri umbilical area present since childhood. The lump is 5 X 8 cm soft, freely mobile in direction perpendicular to mesentery with a zone of resonance around it. Diagnosis is?**

- a. Umbilical hernia
- b. Peri umbilical hernia
- c. Mesenteric lymphadenitis
- d. Mesenteric cyst

### **63. Which is correct about lateral aberrant thyroid?**

- a. MC location is posterior third of tongue
- b. Stomatolalia
- c. MRI neck is the investigation of choice
- d. Seen with papillary carcinoma of thyroid

**64. Which of the following structures is first to be ligated during thyroidectomy?**

- a. Superior thyroid artery
- b. Superior thyroid vein
- c. Middle thyroid vein
- d. Thyroidea ima artery

**65. A 24-year-old unmarried lady presents with heat intolerance, weight loss and palpitations. Thyroid is diffusely enlarged and thyroid function test shows elevated FT<sub>3</sub>, FT<sub>4</sub> and Low TSH levels. She has bilateral proptosis. Which of the following is first line management of this lady?**

- a. Radioactive iodine
- b. Total thyroidectomy
- c. Start Levothyroxine for euthyroid status
- d. Propranolol with carbimazole

**66. The 50-year-old lady presents with fever, malaise and painful thyroiditis. Pain is shifting in areas of thyroid. She has tachycardia with tremulousness. Free T4 and FT3 are elevated with poor radioactive uptake. ESR is 90 mm fall in the 1st hour are detected. Diagnosis is?**

- a. Ligneous Thyroiditis
- b. Reidel thyroiditis
- c. Grave disease
- d. De Quervain Thyroiditis

## 67. Treatment for stage I breast cancer

- a. Wide local excision
- b. Bilateral mastectomy
- c. Breast conservative surgery, axillary dissection if SLNB+ and RT
- d. Neoadjuvant therapy plus MRM and RT

**68. Burst appendicitis is an example of?**

- a. Primary peritonitis
- b. Secondary peritonitis
- c. Tertiary peritonitis
- d. Quaternary peritonitis

**69. A patient on PPI for PUD is non-compliant and presents with severe epigastric pain. Blumberg sign is positive with guarding and rigidity. Dullness in flanks on percussion is found. Which of the following is the best investigation for diagnosis?**

- a. X Ray abdomen (supine)
- b. CT abdomen
- c. USG abdomen
- d. Barium meal follow through

**70. Ground glass appearance on X Ray abdomen is a feature of which of the following**

- a. Peritonitis
- b. Small bowel obstruction
- c. Large bowel obstruction
- d. Paralytic ileus

**71. Which of the following is the best investigation for diagnosis of Acute mesenteric ischemia?**

- a. UGI endoscopy
- b. NCCT abdomen
- c. CECT abdomen
- d. CTA Abdomen

## 72. Which of the following is not correct about Burst abdomen

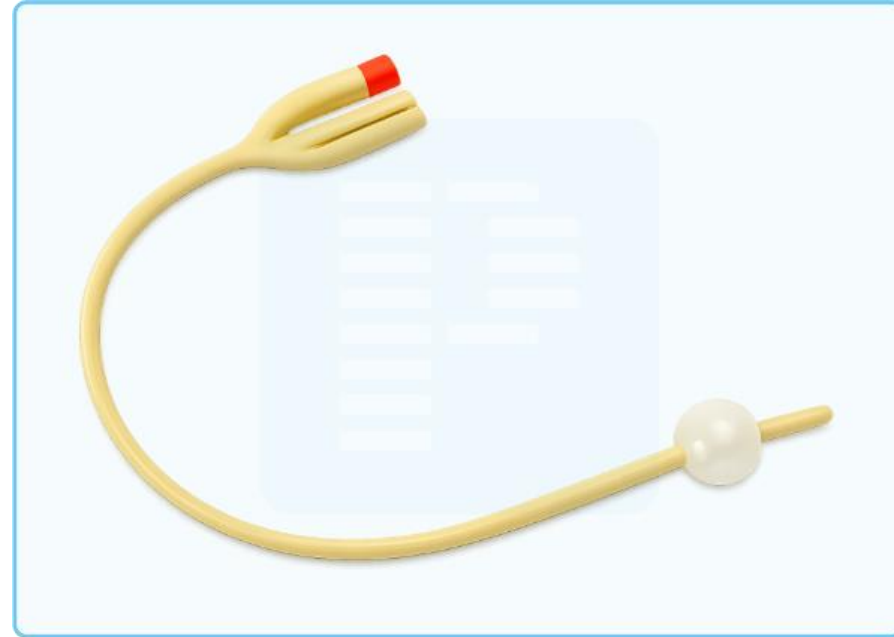
- a. Occurs between 5<sup>th</sup> to 8<sup>th</sup> post operative day
- b. Vertical incision is more prone for dehiscence
- c. Suturing of peritoneum is most vital for wound strength
- d. Suture length to wound length ratio should be > 4:1

**73. A 30-year-old female patient with migraine attack has a violent bout of vomiting leading to blood in vomitus. Which of the following investigations is not required for this case?**

- a. Blood grouping
- b. Hematocrit
- c. UGI Endoscopy
- d. Barium meal follow through

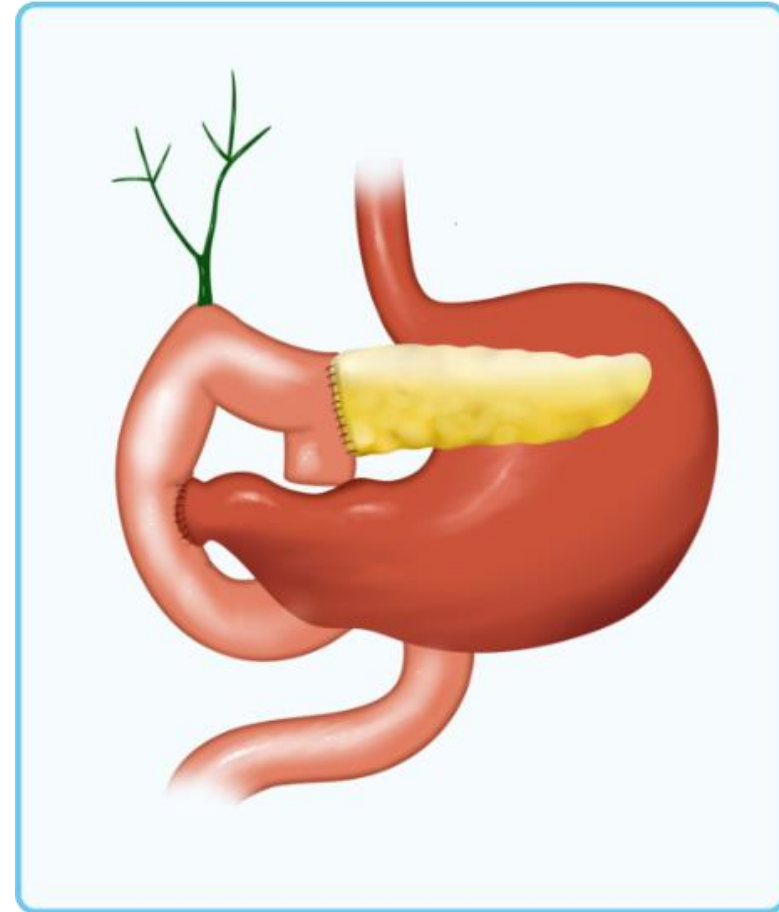
## 74. The following catheter is used for?

- a. Reduction of intussusception
- b. Supra pubic urine drainage
- c. Bladder irrigation post prostatectomy
- d. Relieve urine retention in BPH



**75. Which procedure is shown here**

- a. Bilroth I procedure
- b. Bilroth II procedure
- c. Roux en Y cholecystojejunostomy
- d. Whipple procedure



**THANK YOU**