

01. What is the appropriate hourly maintenance fluid rate for an 18 kg child?

- A. 54 ml/hr
- B. 60 ml/hr
- C. 50ml/hr.
- D. 100 ml/hr,
- E. 56-ml/hr.

02.Which structure involved in the patient's symptoms is derived from the first pharyngeal arch?

- A. Muscles of facial expression
- B. Muscles of mastication
- C. Cricothyroid
- D. Laryngeal muscle
- E. Epiglottis

03.Given the location of the trauma at the transpyloric plane, which structure is most likely to be directly affected?

- A. Transection of pancreas
- B. Injury to first part of duodenum
- C. Transverse Colon
- D. Caecum
- E. Sigmoid Colon

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04.Meckel's diverticulum originates from which part of the embryonic gut?

- A. Foregut
- B. Midgut
- C. Hindgut
- D. Duodenal junction
- E. Ileal end

05.Which of the following statements is true regarding the anatomy relevant to a femoral hernia?

- A. The femoral vein is lateral to the femoral ring
- B. The pectineal ligament lies medial to the femoral ring
- C. The femoral artery is medial to the femoral ring
- D. The lymphatics are lateral to the femoral ring
- E. The femoral nerve is medial to the femoral ring.

06.In a Pfannenstiel incision, after retracting the rectus sheath, which structure is typically required to be opened to access the abdominal cavity?

- A. Transversalis fascia
- B. Posterior rectus sheath
- C. Peritoneum
- D. Preperitoneal fat
- E. Rectus abdominis muscle

07.Which lymph node group is responsible for the lymphatic drainage of the fundus of the stomach?

- A. Celiac lymph nodes
- B. Splenic lymph nodes
- C. Paraortic lymph nodes
- D. Hepatic lymph nodes

E. Lumbar lymph node

08.Which lymph nodes group is responsible for the lymphatic drainage of the glans penis?

- A .Deep inguinal lymph nodes
- B. Superficial inguinal lymph nodes
- C. Paraaoortic lymph nodes
- D. Internal Iliac lymph nodes
- E. External iliac lymph nodes

09.What forms the posteromedial boundary of the anatomical snuffbox?

- A. Extensor Pollicis Longus (EPL)
- B. Flexor Pollicis Longus (FPL)
- C Abductor Pollicis Brevis (APR)
- D. EPB
- E. FPB

10.Which of the following statements is true about the psoas major muscle?

- A. Origin from interposed intervertebral disc
- B. Insertion Into the greater trochanter of the femur.
- C. Supplied by femoral nerve.
- D. Action Extension of the hip joint
- E. blood supply by femoral artery

11. During a thyroidectomy, which of the following structures is NOT typically at risk of injury?

- A. Ascending pharyngeal artery
- B. Recurrent laryngeal nerve (RLN)
- C. Superior laryngeal nerve laryngeal neve
- D. Parathyroid glands
- E. Inferior thyroid artery

12. If the patient's tongue deviates to the right side post-operatively, which nerve is likely affected?

- A. Right hypoglossal nerve
- B. Left hypoglossal nerve
- C. Right vagus nerve
- D. Left vagus nerve

13.What is the anatomical relationship of the right renal artery?

- A. Posterior to the inferior vena cava (IVC)
- B. Anterior to the aorta
- C. Posterior to the renal pelvis D. Anterior to the renal vein
- E. Lateral to the renal capsule

14. Which artery is most likely responsible for causing paralysis of the lower limb while leaving the face and upper limb intact?

- A. Anterior cerebral artery
- B. Middle cerebral artery
- C. Posterior cerebral artery
- D. Internal carotid artery
- E. Basilar artery

15.Which artery is most likely involved in causing the patient's symptoms of diplopia and partial vision loss?

- A. Posterior inferior cerebellar artery (PICA)
- B. Posterior cerebral artery (PCA)
- C. Middle cerebral artery (MCA)
- D. AICA
- E. ACA

16.Which of the following muscles is NOT supplied by the facial nerve?

- A. Temporalis muscle

- B. Orbicularis oculi
- C. Buccinator
- D. Platysma
- E. Zygomaticus major

17. The superior gluteal artery originates from which of the following arteries?

- A. Internal iliac artery
- B. External iliac artery
- C. Femoral artery
- D. Inferior mesenteric artery
- E. Abdominal aorta

18. Which nerve is most likely involved in the patient's erectile dysfunction?

- A. Pelvic splanchnic nerve
- B. Pudendal nerve
- C. Ilioinguinal nerve
- D. Genitofemoral nerve
- E. Hypogastric nerve

19. Where is the sinus tarsi located?

- A. Between talus and calcaneus
- B. Between talus and navicular
- C. Between calcaneus and cuboid
- D. Between navicular and cuboid
- E. Between cuboid and cuneiforms

20. In a patient with a cleft lip and palate, which muscle is most likely affected?

- A. Levator veli palatini
- B. Tensor tympani
- C. Styloglossus
- D. Palatoglossus
- E. Masseter

21. At what level of the spinal cord does compression affect respiration?

- A. Thyroid cartilage
- B. Cricoid cartilage
- C. Manubrium
- D. Sternal angle
- E. Xiphoid process

22. Which electrolyte imbalance is most commonly associated with metastatic breast cancer and could explain the patient's symptoms?

- A. Hypercalcemia
- B. Hypokalemia
- C. Hyponatremia
- D. Hypomagnesemia

23. What is the typical daily potassium requirement for a 70 kg man?

- A. 35 mmol
- B. 50 mmol
- C. 70 mmol
- D. 90 mmol
- E. 100 mmol

24. Which preoperative scoring system is used to assess the risk of mortality and morbidity in surgical patients?

- A. APACHE II
- B. POSSUM
- C. Glasgow Coma Scale
- D. MELD Score
- E. CHADS2 Score

25. Which congenital heart defect is most likely responsible for the neonate's symptoms of central cyanosis and conus defect?

- A. Ventricular septal defect (VSD)
- B. Tetralogy of Fallot (TOF)

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- B. Tetralogy of Fallot (TOF)

- C. Pulmonary stenosis
- D. Atrial septal defect (ASD)
- E. Patent ductus arteriosus. (PDA)

26. The floor of the foramen ovale is formed by which structure?

- A. Septum premium
- B. Ostium premium
- C. Septum secundum
- D. Membranous part of VSD
- E. Bulbar cordis

27. Which band in the sarcomere remains the same length during muscle contraction?

- A. A band
- B. MI band
- C. H band
- D. Sarcoma
- E. Myofibril

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- C. H band
- D. Sarcoma
- E. Myofibril

29. Which organism is most likely responsible for osteomyelitis in a patient with sickle cell disease?

- A. Staphylococcus aureus
- B. Streptococcus pneumoniae
- C. Salmonella
- D. meningitis
- E. None of the above

30. Which organism is most likely responsible for lactational mastitis?

- A. Staphylococcus aureus
- B. Streptococcus pneumoniae
- C. Escherichia coli
- D. Candida albicans
- E. Mycobacterium tuberculosis

31. What is the action of Tranexamic acid?

- A. Plasmin inhibitor
- B. Proline analog inhibitor
- C. Vitamin K antagonist
- D. Arginine analog inhibitor
- E. Ornithine analog inhibitor

32. A 4 years old child was playing with his father in his pig farm couple of days before. suddenly he presented with right sided abdominal pain; bloody diarrhea with red tender nodules in his limbs. Surgical laparoscopy was done, and appendix was found to be grossly normal. What is the most likely causative organism?

- A. Yersinia enterocolitica
- B. Staphylococcus aureus
- C. Campylobacter
- D. E.Coli
- E. Entamoeba histolytica

33. A group of 3 ladies presented to the ED two hours after eating a meal with severe vomiting and diarrhea. Examination revealed abdominal tenderness with low grade fever. Which organism is the most likely cause?

- A. Staphylococcus aureus
- B. E.Coli
- C. Clostridium perfringens
- D. Clostridium botulinum
- E. Pseudomonas

34.A 9 years old girl presented with fever, upper respiratory tract infection and hematuria.

Diagnosis of hemolytic uremic syndrome was made. What is the most responsible organism?

- A. Staphylococcus aureus
- B. Streptococcus pyogenes
- C. E.Coli
- D. Clostridium difficile
- E. Bacteroids

35.A patient had a 24-hour duration colicky pain and bloody diarrhea after eating barbecued chicken. Which organism causes this condition?

- A-Staph aureus
- B. Ecoli
- C. Campylobacter
- D. S. pyogenes
- E.None of the above

36.Which of the following tumor markers is raised in a patient with differentiated yolk sac tumor of the testis?

- A. Beta-HCG
- B. Alkaline phosphatase
- C. LDH
- D. AFP
- E. S100

37.A 15 years old male presents with a unilaterally enlarged testis. His labs are unremarkable. His father reports a history of orchidopexy for ipsilateral undescended testis. What is the most likely cause of his condition?

- A. Choriocarcinoma
- B. Seminoma
- C. Teratoma
- D. Yolk sac tumor
- E. Leydig cell tumor

38.A 49 years old female hasmephrostomy for infected hydronephrosis 3 months ago. She is now undergoing hysterectomy for a fibroid What is the best investigation for follow up of hydronephrosis?

- A. Antegrade urethrogram
- B,Retrograde urethrogram
- C. CT abdomen
- D. MRI
- E. USS

39.Which of the following structure is remnant of embryonic notochord?

- A. Nucleus pulposus
- B. Spinal cord
- C. Annulus fibrosus
- D. Spina meninges
- E. Sclerotome

40.Coeliac artery supplies which of the following structures of foregut except?

- A. Esophagus
- B. Pylorus of Stomach
- C. Spleen
- D. liver hepatocytes
- E.Pancreas

41. A 7 years old child has pain on his scrotum for 6 hours with chocolate eating. He has same pain 4 months ago which relieved spontaneously. What is the most appropriate?

- A. Perform an ultrasound
- B. Reassure and discharge
- C. Immediate scrotal exploration
- D. Anti-inflammatory
- E. Antibiotics

42.A child presented in the neonatal period by abdominal distention and infrequent passage of meconium what is your diagnosis?

- A. Duodenal atresia
- B. Meconium ileus
- C. Hirschsprung
- D. Malrotation
- E. Pyloric stenosis

43. A 24 years old man with long term history of Crohn's disease. He has recurrent abdominal pain and loss of appetite. His labs show Albumin is 29 (ow). What is the best feeding option for that patient?

- A. Central parenteral nutrition
- B. Peripheral parenteral nutrition
- C. High protein diet
- D. Elemental diet
- E. Gastrostomy

44. A 65-year-old man remains on the high dependency unit following a gastrectomy three days previously. His urine output 80 ml/hour for the last 24 hours, He has one abdominal drain and no nasogastric losses, His urea and electrolytes are normal, He still nil by mouth for a further 24 hours. Which of the following fluid regimes is most appropriate to his electrolyte and water requirements over the next 24 hours?

- A. 1 L of 0.9 % saline plus 1.5 L. of 4 % dextrose/0.18 % saline
- B. 1 L of 0.9 % saline plus 1.5 L of 5 % dextrose
- C. 1 L of 0.9 % saline plus 1.5 L of Hartmann's solution
- D. 2L of 0.9% saline

45. A 40 years old man presented by Fracture shaft of femur after car accident and diagnosed as fat embolism after 24 hours. What is the best management to fat embolism?

- A. Best supportive care
- B. Elevation of Albumin above 30 gm
- C. Methyl prednisone
- D. Warfarin
- E. Heparin until PT > 50 %

46. A 40 years old patient on laparotomy operation and take a depolarizing muscle relaxant. What is the name of Depolarizing agent for muscle relaxant used in anesthesia?

- A. Succinyl choline
- B. ecuronium
- C. Pancronium
- D. Atracium
- E. Neostigmine

47. A 45 years old patient undergoing colonoscopy but urse says patient is still awake. Anesthetic doctor checks patient and founds he is sleeping but notices pinpoint pupil. Which of this medication may be given for induction?

- A. Fulmazenil
- B. Fentanyl
- C. Naloxone
- D. idazolam
- E. Ketamine

48. A 38 years old male has colle's fracture and he is prepared for operation. What is the local anesthesia used in biers block?

- A. Lidocaine
- B. upivacaine
- C. Xylocaine
- D. Prilocaine
- E. Cocaine

49. A 21-year-old man falls down a ravine while skiing and is trapped for several hours. He is finally brought to the emergency department profoundly hypothermic with a core temperature of 29 C. Which method is most effective at raising the core temperature?

- A. Re-warming with electric blankets
- B. Increasing the room temperature
- c. Instillation of warm intra-vesical fluid

- D. Instillation of warmed rectal fluid
- E. Instillation of warmed intra peritoneal fluid

50. A 63-year-old woman with a caecal cancer is booked for an elective right hemicolectomy. She is otherwise fit and well. In the pre-assessment clinic, she asks about the benefits of the enhanced recovery program. Which of the following is a potential benefit?

- A. Reduced length of hospital stay
- B. Reduced likelihood of chronic pain
- C. Routine use of abdominal drains
- D. Routine use of nasogastric tube
- E. Decrease the size of wound

51. 45 years old Lady is diabetic, hypertensive and with history of kidney failure prepared for hysterectomy surgery, which of the following scores is not relevant in the perioperative period?

- A. ASA
- B. NEA
- C. Charlson
- D. APACHE
- E. Canadian Anesthetic society

52. Mechanism of gastric acid secretion includes which of the following?

- A. Stimulation of chief cell
- B. Stimulation of bruner cell
- C. Stimulation Of parietal Cell
- D. Somatostatin stimulation
- E.CCK stimulation

53. Chronic pancreatitis patient with pale unable to flush stool, which test can be done?

- A. Fecal elastase
- B. Chymotrypsin
- C. Lipase
- D. Elastase
- E. Trypsin

54. What is the sign of unopposed parasympathetic stimulation

- A. Mydriasis
- B. urine retention
- C. Bronchodilation
- D. Detrusor muscle contraction
- E. Constipation

55. Which one of these does not change its size during skeletal muscle contraction?

- A. A band
- B. band
- C.H band
- D. Sarcomere
- E. Myofibril

56. Which of the following is preganglionic neurotransmitter in the nervous System?

- A. Acetylcholine
- B. Noradrenaline
- C. Adrenaline
- D. Dopamine
- E. Doputamine

57. A patient with a history of MI and atrial fibrillation was admitted to ICU due to symptoms of abdominal pain, PR bleeding and abdominal distension. He had a blood picture consistent with metabolic acidosis. Which of the following best describe lactate ?

- A. Produced due to anaerobic fermentation of glucose to pyruvate
- B. Production of only 2 ATP, while spending 4 ATP in Cori cycle
- C. Produced due to feduced tissue perfusion,
- D. Produced due to aerobic respiration

E. Produced in liver only

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- D. Produced due to aerobic respiration
- E. Produced in liver only

59. A 65 years old man with known ischemic heart disease and atrial fibrillation presents with a paralysis of his left lower limb. Which arterial territories most likely to be involved?

- A. Left anterior cerebral
- B. Left middle cerebral
- C. Right anterior cerebral
- D. Right middle cerebral
- E. Right posterior cerebral

60. In cases of Unilateral cleft lip there is failure of fusion of?

- A. Maxillary process and medial nasal process
- B. Maxillary process and lateral nasal process
- C. Frontonasal process
- D. Palatine processes
- E. None of the above

61. A 4-year-old boy presents to the Emergency Department with a two-day history of headache vomiting and drowsiness. A CT scan reveals dilatation of both his lateral ventricles and his third cerebral ventricle. His fourth ventricle was of normal size. It is suspected that he has an obstruction to his cerebrospinal fluid flow. At which of the following sites is the obstruction most likely to be?

- A. Cerebral aqueduct (of Sylvius)
- B. Infundibular recess
- C. Interventricular foramen (of Monro)
- D. Lateral foramen of fourth ventricle (foramen of Luschka)
- E. Median foramen of fourth ventricle (foramen of Magendie)

62. A 60-year-old woman with breast carcinoma complains of difficulty chewing her food and is found to have numbness of the lower lip on one side. CT scanning shows a small metastatic lesion affecting the bony skull base on. The same side as the lip numbness.

Which foramen is the most likely to involve?

- A. Foramen caecum
- B. Foramen magnum
- C. Foramen ovale
- D. Foramen rotundum
- E. Foramen spinosum

63. A clinical scenario that you need to do a tracheostomy, which of the listed structures has the least chance to get injured in this procedure?

- A. Ascending pharyngeal artery
- B. Recurrent laryngeal nerve
- C. Anterior jugular artery
- D. Thyroid ismuth
- E. None of the above

64. 35-year-old man is admitted to hospital with vomiting, nausea and severe headaches. An MRI scan reveals a tumor of the cerebellopontine angle. Which one of the following pairs of cranial nerves is most likely to be compressed by this tumor?

- A. Accessory and vagus
- B. Facial and vagus
- C. Facial and vestibulocochlear

- D. Glossopharyngeal and vestibulocochlear
- E. Vagus and vestibulocochlear

65. A 30-year-old patient underwent an appendectomy 2 days ago. On postoperative day 2, the patient develops wound crepitus in the area of the surgical incision. The wound appears swollen and is emitting a foul odor. The patient reports increasing pain and fever.

What is the most appropriate initial treatment for the wound crepitus observed after appendectomy?

- A. Surgical debridement and antibiotics
- B. Drain placement and observation
- C. Topical antibiotics and wound dressing
- D. Oral antibiotics and pain management
- E. Wound irrigation with normal saline

66. Given that the pleurodesis fluid protein level is 61 g/L, which of the following statements is true regarding the pleural fluid/serum protein ratio?

- A. Pleural fluid/serum protein ratio >0.5
- B. Pleural fluid/serum protein ratio <0.5
- C. Pleural fluid/serum protein ratio = 1
- D. Pleural fluid/serum protein ratio <0.1
- E. Pleural fluid/serum protein ratio not indicative of effusion types

67. A 55-year-old patient who had a peripherally inserted central catheter (PICC) removed suddenly collapses. The patient is showing signs of hypotension, with distended jugular veins (JVP) and decreased breath sounds on examination. There is a concern for a potential air embolism or other severe complications. What is the most appropriate immediate action to take in this scenario?

- A. Reverse Trendelenburg position
- B. Left lateral decubitus position
- C. Place the patient in the supine position
- D. Administer supplemental oxygen
- E. Place the patient in the Prone position.

68. A 55-year-old patient, who recently underwent abdominal surgery, presents with symptoms of dyspnea, hypotension, and tachycardia two days post-operation. On examination, there is normal air entry in one lung and decreased air entry in the other lung, along with bilateral basal crackles. Given the patient's symptoms of dyspnea, hypotension, tachycardia, and the physical exam findings, which of the following treatments is most appropriate?

- A. Adrenaline
- B. Norepinephrine
- C. Dobutamine
- D. Hydrocortisone

69. A 65-year-old man with a history of prostate cancer presents with new symptoms of back pain and difficulty walking. Imaging studies reveal sclerotic bone metastases. The patient is also experiencing fatigue and loss of appetite. Given the sclerotic bone metastases from prostate cancer, what is the most likely blood finding?

- A. High PSA
- B. Hypercalcemia
- C. Hyperkalemia
- D. Low hemoglobin
- E. Elevated creatinine

70. A patient recently presents with hypertension and flushing in his face, which of the following help you to reach your diagnosis?

- A. Serum ACTH level
- B. Serum Aldosterone
- C. Urinary VMA
- D. Serum Renin activity
- E. Serum cortisol

71. What type of collagen is primarily found in a keloid scar?

- A. Calcium
- B. Collagen type 1
- C. Collagen type 2

- D. Collagen type 3
- E. Collagen type 4

72. 55-year-old diabetic patient is scheduled for elective surgery. The patient has a history of poorly controlled diabetes and experiences fluctuations in blood sugar levels. The surgical team is concerned about various potential perioperative complications that could affect the patient's recovery. Given the patient's diabetic status and the nature of the surgery, which of the following complications should the team be particularly cautious about?

- A. Orthostatic hypotension
- B. Hemorrhagic shock
- C. Acute kidney injury
- D. Deep vein thrombosis
- E. Pneumothorax

73. ADH release from which of the following nucleus ?

- A. Supraoptic nucleus
- B. Arcuate nucleus
- Paraventricular nucleus
- D. Preoptic nucleus.
- E. Lateral hypothalamic nucleus

74. A 1 year old boy has 2 cm umbilical defect reducible hernia his mother worried regarding that. What is the most appropriate management ?

- A. Reassurance
- B. Primary surgical repair
- C. Open repair with suture
- D. Laparoscopy with mesh

75. Which of the following is the commonest site of thoracic aortic injury in blunt chest trauma ?

- A. Ascending aorta
- B. Thoracic arch proximal to the left subclavian artery
- C. Descending aorta just distal to the subclavian artery.
- D. Descending aorta just above the level of diaphragm midline
- E. Root of aorta

76. A lady with a history of renal cancer presented with pain in sternum. What is the most appropriate management?

- A. NSAIDs
- B. Nerve block
- C. Opioids
- D. Remove sternum
- E. Radiotherapy

77. A 70-year-old patient has heart failure. Post-partum what is the isolated type of amyloidosis?

- A. AL
- B. AA
- C. B2 micro globulin
- D. Transthyretin
- E. Non. the above

78. An x-ray shows signs of joint space narrowing and osteophyte formation. Given the history of hip fixation and current symptoms of pain with X-ray findings, what is the most likely diagnosis?

- A. Secondary Osteoarthritis
- B. Avascular Necrosis
- C. Hardware-related infection
- D. Rheumatoid arthritis

79. The urinary bladder develops from which of the following embryological structures?

- A. Allantois
- B. urachus
- C. Urogenital fold
- D. mesonephric duct
- E. primitive urogenital sinus

80.Which factor is involved in the intrinsic pathway of the coagulation cascade?

- A. Factor IXa
- B. Factor VII
- C. Factor Xa
- D. Factor I
- E. Factor II

81.What is the primary immunoglobulin involved in a Type 1 hypersensitivity reaction?

- A.IgE
- B. IgG
- C. IgA
- D. IgM
- E. IgD.

82.Which of the following interventions is typically encouraged under the ERAS protocol?

- A. Remove NG tube in recovery
- B. Start intravenous fluids aggressively preoperatively
- C. Administer routine opioids for postoperative pain management
- D. Encourage prolonged fasting before surgery
- E. Use traditional wound dressings for postoperative care,

83.Which Dermatome of pelvic diaphragm ?

- A. S1
- B. S2
- C. S3
- D. S4
- A. L5

84.Which of the following side effects is commonly associated with total parenteral nutrition (TPN)?

- A. Hypophosphatemia
- B. Hyperkalemia
- C. Hypercalcemia
- D. Metabolic alkalosis
- E. Hyperuricemia

85.Given the following lab results and clinical presentation, which condition is most consistent with uncompensated metabolic acidosis?

- A. Lactate 6 mmol/L
- B. Serum bicarbonate (HCO_3^-), of 24 mmol/L
- C. pH of 7.38 with a partial pressure of carbon dioxide (pCO_2) of 40mmHg
- D. Serum bicarbonate (HCO_3^-) of 18mmol/L with a normal pCO_2
- E. pH of 7.22 with a partial pressure of carbon dioxide (pCO_2) of 30 mmHg

86.In the context of a pulmonary embolism, what is a common ECG finding you might observe in right axis deviation?

- A. Q wave in lead III
- B. ST elevation in V1
- C. T wave inversion in V5 and V6
- D. Prolonged T interval
- E. Low voltage QRS complexes

87.Given the patient's weight of 50 kg, what is the maximum amount of lidocaine with adrenaline (assuming a standard concentration of 1% lidocaine with 1:100,000 adrenaline) that can be safely administered?

- A.35 ml
- B. 50 ml
- C.70 m

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- B. 50 ml
- C.70 mL
- D.75mL

E. 90 mL

89.What is the most likely underlying cause of the prolonged QT interval in this patient?

- A. Hypocalcemia
- B. Hyperkalemia
- C. Hypercalcemia
- D. Hypokalemia
- E. Hypermagnesemia

90.Given the diagnosis of gas gangrene, what is the appropriate treatment?

- A. Amoxicillin
- B. Co-amoxiclav
- C. Piperacillin plus Tazobactam
- D. Flucloxacillin
- E. ancomycin & Ceftriaxone

91.Given the clinical presentation of forunia gangrene, what is the typical microbiological finding associated with this condition?

- A. Polymicrobial
- B. Gram-positive cocci only
- C. Gram-negative rods only
- D. Fungal infection
- E. Mycobacterial infection

92.Dabigatran is a direct inhibitor of which coagulation factor?

- A. Factor II (Thrombin)
- B. Factor I (Fibrinogen)
- C. Factor IX
- D. Factor VII
- E. Factor X

93.For this patient with postpartum hyperthyroidism and currently breast feeding, which of the following treatments is most appropriate?

- A. Propylthiouracil
- B. Carbimazole
- C. Radio iodine and advice breast feeding cessation
- D. Radioactive iodine
- E. Surgery

94. A person hit in a precordial region. He is conscious. He appears lethargic, and on examination, he has narrow pulse pressure and distended neck veins (engorged JVP). His abdomen is tender, and he has decreased breath sounds on auscultation. Based on the clinical presentation, what is the most likely typeof shock?

- A. Obstructive shock
- B. Hypovolemic shock
- C. Cardiogenic shock
- D. Septic shock
- E. Anaphylactic shock

95. A 20 years old man suffered from jaundice after he take blood transfusion by about three months. What is the cause of jaundice?

- A. infection by Hepatitis C
- B. infection by Hepatitis B
- C. infection by Hepatitis A
- D. Hemolysis of transfused blood
- E. ABO incompatibility

96.A 22 years old man has cervical vertebra trauma. He has upper limbs weakness more than the lower limbs. What is mostly diagnosis?

- A. Tabes dorsalis
- B. Sub-acute degeneration of the cord
- C. Brown Sequard syndrome
- D. central cord syndrome

E. Herpes zoster

97. During the submandibular gland surgery, what is the artery at risk of injury?

- A. Lingual artery
- B. Facial artery
- C. external carotid artery
- D. internal carotid artery
- E. superficial temporal artery

98. A 9 month child presented with impalpable undescended testis on one side and other testis is present. What is the next step for management?

- A. Surgical exploration under general anesthesia in 3 months
- B. MRI under general anesthesia
- C. CT under general anesthesia
- D. abdominal ultrasound
- E. orchiectomy

99. A 5 years old child has burn on anterior abdominal wall & thigh. What is the first step on management to minimize burn damage?

- A. Rinse area with water
- B. iv fluids
- C. 100% O₂
- D. non-adhesive dressing
- E. graft

100. 75-year-old active man suffered a fall when he was returning from the town. Xray revealed a displaced sub capital femoral neck fracture. What is the most appropriate management?

- A. Cemented THR
- B. Cemented hemiarthroplasty
- C. Cementless bipolar arthroplasty
- D. Open reduction and internal fixation
- E. Cementless THR

101. 20-year-old man presents to the emergency department with a stab injury to the thenar eminence. On examination he is found to have a 2 cm long laceration with inability to oppose thumb and index fingers. Which of the following structures is most likely to be injured?

- A. Anterior interosseous nerve
- B. Recurrent branch of median nerve
- C. Posterior interosseous nerve
- D. Radial nerve.
- E. Deep ulnar nerve.

102. 50-year-old woman sustains a displaced distal radial fracture. This is manipulated under anaesthetic and treated in a cast for six weeks. After three months she returns to the fracture clinic with painful and limited pronation and supination. which of the following is the most diagnoses?

- A. Complex regional pain syndrome Type 1 (reflex sympathetic dystrophy)
- B. Malunion
- C. Non-union
- D. Posterior interosseous nerve palsy
- E. Radial nerve compression

103. Regarding the anatomy of the scaphoid bone, which part of this bone is at risk of avascular necrosis?

- A. Distal end
- B. Lateral border
- C. Proximal end
- D. Medial border
- E. Anterior aspect

104. 52-year-old man presented with ruptured abdominal AAA. On histopathological examination he has cystic medial necrosis. what is the most likely responsible cause?

- A. Connective tissue disorder
- B. Hypertension
- C. Aspergillosis

- D. Syphilis
- E. Wall atheroma

105. A 55-year-old male presented with chronic ischemia. CT angiography showed occlusion of both SFA and popliteal arteries, while anterior tibial is functioning well what is the best management?

- A. Femoral distal graft
- B. Angioplasty
- C. Best medical treatment
- D. Amputation
- E. Follow up

106. 30-year-old male presents with Sudden Unilateral exophthalmos, limited eye movement in all direction, congestions, exophthalmos and has a bruit, erythematous eye .what is the most likely diagnosis?

- A. Cavernous sinus thrombosis
- B. Graves' disease
- C. Posterior communicating artery aneurysm
- D. Carotid-cavernous fistula
- E. Orbital sepsis

107. 45 year old Patient has a slow growing firm painless lump in front of her ear on examination what is you probable diagnosis?

- A. Lipoma
- B. Skin cancer
- C. Pleomorphic adenoma
- D. Osteoma
- E. Preauricular sinus

108. Which feature of a mammogram is LEAST likely to be suggestive of carcinoma of breast?

- A. Popcorn calcifications
- B. Micro calcifications
- C. Speculations
- D. Difference in density of breast tissue
- E. Nipple retraction

109. A 50 year old man has Neck swelling, on examination he has deviated trachea, lower border of the mass can't be felt what your diagnosis is?

- A. Retrosternal Goiter
- B. Thyroid Nodule
- C. Brachial cyst
- D. Dermoid cyst
- E. Lymphoma

110. A 70-year-old man with carcinoma of the bronchus presents with blurring of vision, headaches and nausea, particularly in the morning. Which of the following is the most appropriate treatment?

- A. Carbamazepine
- B. Dexamethasone
- C. Morphine elixir
- D. Paracetamol
- E. Radiotherapy

111. A Patient with ABG show PH 7.56 , CO₂= 3.5 , HCO₃ =20 (22-26) what is the abnormality shown in this ABG ?

- A. Respiratory acidosis uncompensated
- B. Respiratory acidosis compensated
- C. Respiratory alkalosis uncompensated
- D. Respiratory alkalosis compensated
- E. Mixed metabolic and respiratory alkalosis

112. A 44 years old woman is seen in pre admission clinic. Her blood glucose is 12 mmol/L and her urine is positive for glucose. Sodium glucose transporter (SGLUT2) has become saturated in the woman. in which part of nephron is protein predominantly found ?

- A. Distal convoluted tubules
- B. Collecting ducts

- C. proximal convoluted tubule
- D. Loop of Henle ascending part
- E. Loop of henle descending part

113. A 72 years old Patient diagnosed as subdural hemorrhage after head injury. Next day after evacuation, he presented by headache, nausea, vomiting, low plasma sodium 122, low plasma osmolarity, high urine osmolarity. What is your appropriate management?

- A. 50 ml 3% NaCl
- B. Vasopressor antagonist
- C. Bendroflumethiazide
- D. Mannitol
- E. Aldosterone

114. Young patient with cast on his limb. After removal of it , he presented by oliguria , dark urine high K and myoglobin and creatinine kinase 1000. What is the first treatment for this patient?

- A. Hemodialysis
- B. Iv fluids to become output 200-300ml/hour
- C. Mannitol
- D. Insulin glucose
- E. Alkalization of urine

115.What is embryology of floor of foramen ovale?

- A. Septum premium
- B. Osteum premium
- C. Septum secundum
- D. Membranous
- E. part of VSD Bulbar cordis

116.What is level of diaphragmatic opening where does thoracic duct pass from abdomen?

- A. T12
- B. T10
- C. T8
- D. T6
- E. L1

117.Nerve supply to angle of mandible ?

- A. Auriculotemporal
- B. Great auricular
- C. Lesser occipital
- D. Marginal mandibular
- E. Auricular branch of vagus

118.What prevents uterine prolapse during vaginal delivery?

- A. Transverse perineal (Cardinal)ligament
- B. Round ligament
- C. Levator ani
- D. Ovarian ligament
- E. Cervical ligament

119.Young patient has appendicitis suffered from pain in umbilicus shifted or referred to right iliac fossa , which nerve responsible for umbilical pain reaching to T 10 segment of spinal cord?

- A.Thoracic splanchnic nerve
- B. Lumbar splanchnic pain
- C. Vagus
- D. Iliohypogastric
- E. Ilioinguinal

120.While doing hernia repair, Surgeon found nerve percing the external oblique muscle and enter inguinal canal and pass anterior to spermatic cord. What is that nerve?

- A. Genitofemoral nerve
- B. Iliohypogastric nerve
- C. Ilioinguinal nerve
- D. Femoral nerve
- E. Obturator nerve

121. Patient with supra renal mass going came for surgical removal. In operation, left supra renal gland lower pole medially corresponds to?

- A. celiac ganglion
- B. body of pancreas
- C. left renal vein
- D. left crus of diaphragm
- E. Splenic arteries

122. Patient presented in HDU after burn presented with distended abdomen and hiccup. What is your diagnosis?

- A. Acute gastric dilatation
- B. Stress ulcer
- C. Hematemesis
- D. Hemoptysis
- E. Intestinal obstruction

123. A patient had trauma to his ankle. Xray revealed no fracture while ankle pain persists. The most appropriate investigation is:

- A. Stress Xray
- B. CT
- C. MRI
- D. Bone scan
- E. Repeat Xray

124. A 38 years old man sustained a tibial fracture for which he undergone closed reduction and casting. One hour later, he developed severe pain and numbness in his leg. What is the most appropriate management?

- A. Analgesia and follow up
- B. Assess pulsation
- C. Compartmental pressure management
- D. Four compartments decompression
- E. Affected compartments decompression

125. A 28-year-old male patient presented to the surgical unit 3 months post colostomy reversal that was done as a treatment for a perforated viscus. He now presents with severe abdominal pain, vomiting and swelling at the stoma site which of the following is the reason for that?

- A. Wound dehiscence
- B. intestinal obstruction
- C. Obstructed incisional hernia
- D. Wound infection
- E. None of the above

126. What are the biopsy findings in Barrett esophagus?

- A. Nonkeratinized stratified squamous epithelium
- B. Columnar with goblet cells
- C. Transitional epithelium
- D. Squamous epithelium
- E. Simple epithelial

127. Which of the following is not considered as a risk factor for aortic dissection?

- A. Hypertension
- B. Pregnancy
- C. Atherosclerosis
- D. Diabetes mellites
- E. Smoking

128. 70-year-old lady presents with a two-day history of constipation and vomiting. On examination she has right iliac fossa tenderness and little abdominal distension. A CT scan is performed and is suggestive of an obstructing carcinoma of the colonic hepatic flexure (stage T3). What is the best action?

- A. Ileocolic bypass
- B. High anterior resection
- C. Insertion of self-expanding metallic stent
- D. Extended right hemicolectomy and ileocolic anastomosis
- E. Right hemicolectomy

129. A 24-year-old male with a history of a recurrent perianal fistulas in the previous year and he is not responding to the management whatever surgical or medical treatment, what is the most likely underlying cause?

- A. Crohn's Colitis
- B. Diverticular disease
- C. Ulcerative Colitis
- D. Right colon cancer
- E. Left colon cancer

130. A 40 years old patient presented with painful thyroid nodule F NAC was done which reveled siderophages with some epithelial cells what your diagnosis?

- A. Follicular carcinoma
- B. Anaplastic carcinoma
- C. Medullary carcinoma
- D. Papillary carcinoma
- E. Thyroid cyst

131. A 58-year-old woman presented to the Emergency Department with a large fluctuant swelling at the site of a recent insect bite. She is anxious, tachycardia, and pyrexia. ECG shows critical fibrillation. She is noted to have a goiter. The swelling at the site of the bite requires surgical drainage. Which of the following classes of drug would be most appropriate as part of her preoperative preparation for surgery?

- A. Alpha-1 adrenoceptor agonist+ thionamides
- B. Alpha-2 adrenoceptor agonist+ thionamides
- C. Alpha adrenoceptor blocker+ thionamides
- D. Beta adrenoceptor agonist+ thionamides
- E. Beta adrenoceptor blocker+ thionamides

132. Glans penis carcinoma- which lymph nodes involved?

- A. External iliac
- B. Internal iliac
- C. Deep inguinal
- D. Medial Superficial inguinal
- E. Vertical superficial inguinal

133. Right gonadal vein drain into

- A. IVC
- B. Renal vein
- C. Suprarenal vein
- D. Portal vein
- E. Superior mesenteric vein

134. True relation to right renal artery

- A. Posterior to renal pelvis
- B. Posterior to superior mesenteric artery
- C. Posterior to IVC
- D. Anterior to renal vein
- E. anterior to aorta

135. Stab to right of sternal angle and directed inferiorly. Which structure may be injured?

- A. Aorta
- B. IVC
- C. Right atrium
- D. Right brachiocephalic vein
- E. Pulmonary artery

136. A 32-year-old woman has a pigmented lesion excised from her left calf. The histopathological diagnosis is melanoma in situ, which is completely excised with a 1 cm margin. What is the next most appropriate management?

- A. Education about skin self-examination and discharge from follow up
- B. Elective inguinal lymph node dissection
- C. Re excision with 2 cm margin
- D. Removal of any other pigmented
- E. None of the above

137. A 7-year-old girl is admitted for an elective tonsillectomy. She has had normal development and her pulse, pressure and weight are normal for her age .she is being prepared for surgery which of the following preoperative tests is required?

- A. Clotting test
- B. Full blood count
- C. Renal function test
- D. All of the above
- E. No needed investigation

138. Hypercalcemia is firstly treated by?

- A. Iv saline chloride .9%
- B. IV ca chelating
- C. K supplementation
- D. Pamidronate
- E. Zolendronate

139. Lady old age known to be diabetic and hypertensive. 3 day post-operative, she on insulin infusion and take 3 L of fluids and suffered from dyspnea , shortness of breath, hypoxia, bilateral wheeze, oliguria and BP 160/90 and. What is the cause of it oliguria?

- A. Pre-renal hypovolemia
- B. Pre-renal cardiac failure
- C. Diabetic nephropathy
- D. Hypertensive nephropathy
- E. Autoimmune nephropathy

140. According to Starling law in capillaries What is filtration pressure if Hydrostatic pressure of capillary is 45, Hydrostatic pressure of Bowman is 10 , Oncotic pressure in capillary is 27 and Oncotic pressure in Bowman is 0. What is the filtration pressure?

- A. 55
- B. 60
- C. 8
- D. 25
- E. 18

141. 70 years old patient with strangulated hernia on warfarin for long time and his INR now is 7 , which can be corrected by IV

- A. PCC
- B. PCC and vitamin K
- C. Vitamin K
- D. Plasma
- E. Plasma and vitamin K

142. 24 hours after a routine aortic valve replacement for a heavily calcified valve the patient's heart rate abruptly falls to 40 beats / minute. The atrial pressure which was 7 mmHg and then become 15 mmHg. Which of the following is the most likely diagnosis?

- A. Atrial fibrillation
- B. Cardiac tamponade
- C. Digoxin toxicity
- D. Heart block
- E. Left ventricular failure

143. Woman has right side meningioma presents with features suggestive of a Brown Squared syndrome. The clinical findings will include which of the following?

- A. Left sided weakness, right sided loss of pain and temperature
- B. Right sided weakness, left sided loss of pain and temperature
- C. Both Right sided weakness and right sided loss of pain and temperature
- D. Both left sided weakness and let sided loss of pain and temperature
- E. None of the above

144. A 40 years old patient presented by signs of Obstructive jaundice as pale stool and dark urine, what is found increasing in his urine?

- A. Unconjugated bilirubin
- B. conjugated bilirubin
- C. Urobilinogen
- D. Stercobilinogen

E. Stercobilin

145. Patient presented by low blood pressure, muscle weakness and lethargy then we found hypercholesterolemia in his blood level. What is your diagnosis?

- A. Hyperthyroidism
- B. Hypothyroidism
- C. Addison
- D. Hypertriglyceridemia
- E. Cushing syndrome

146. Anterior leg compartment syndrome can be diagnosed by pain on passive:

- A. Hallux flexion
- B. Hallux extension
- C. Ankle dorsiflexion
- D. Foot Eversion
- E. Foot Inversion

147. Inguinal ligament forms the superior border of which of the following landmarks?

- A. Femoral triangle
- B. Femoral canal
- C. Inguinal canal
- D. Sub sartorial canal
- E. Popliteal fossa

148. 53 years old female known as breast cancer under chemotherapy was brushing her teeth when she felt sudden pain in her right arm. Investigations revealed a supracondylar fracture humerus with no associated neurovascular injury. Bone scan revealed single well circumscribed lesion affecting the site of fracture. No other lesions were detected. What would be the best management?

- A. External fixation
- B. Radiotherapy
- C. Internal fixation and radiotherapy
- D. Internal fixation and chemotherapy
- E. Chemotherapy

149. Inguinal ligament forms the superior border of which of the following landmarks?

- A. Femoral triangle
- B. Femoral canal
- C. Inguinal canal
- D. Sub sartorial canal
- E. Popliteal fossa

150. A 50 years old female patient is on double anti platelet for mitral valve replacement. While she was going down the stairs, she felt that her knee gave away. Examination revealed a large swelling above the patella, and she cannot straight her leg. Which of the following is the most likely diagnosis?

- A. Spontaneous hemarthrosis
- B. Pathological fracture patella
- C. Quadriceps muscle rupture
- D. Patellar ligament rupture
- E. Anterior cruciate ligament injury

151. A 43 years old man suffered a leg trauma during a fight. Investigations revealed a fracture tibia and fibula with widening of the space between them. What is the type of joint between tibia and fibula?

- A. Syndesmosis
- B. Plane
- C. Ellipsoid
- D. Hinge
- E. Ball and socket synovial

152. During modified radical mastectomy, which of the following structures may be sacrificed?

- A. Cephalic vein
- B. Axillary vein
- C. Intercostobrachial nerve
- D. Long thoracic nerve
- E. Thoracodorsal nerve

153. Interferons gamma makes which cell to carry out its function?

- A. Lymphocytes
- B. Macrophage
- C. Neutrophils
- D. Plasma cell
- E. Eosinophils

154. A 35-year-old weight lifter presented with unilateral tender breast swelling 1x1 cm what is your possible diagnosis?

- A. Gynecomastia
- B. Carcinoma of breast
- C. Lymphedema
- D. Lipoma
- E. Sarcoma

155. A 25-year-old RTA patient is admitted to the emergency department, on examination he is alert and coherent. He has congested neck veins, increased respiratory rate and diminished air entry on right side of his chest. His X-ray showed shifted trachea to the left side what is the management of this condition?

- A. Pericardiocentesis
- B. Chest cannula 5th intercostal space mid axillary line
- C. Needle decompression of 2nd intercostal space Mid – clavicular line
- D. Endotracheal intubation
- E. CT chest

156. Infliximab what is the Mechanism of action of this drug?

- A. Monoclonal antibody which form TNF- alpha
- B. Cytotoxic Chemotherapy
- C. Inhibition of mTOR Protein (mammalian targeted of rapamycin receptor)
- D. Activation of complement system
- E. PD-01 System

157. A 60-year-old man is found to have a 2 cm diameter mass in the upper lobe of his left lung. The lesion is excised, and it is found that the lesion includes connective tissue, mature cartilage and ciliated epithelium. What is the most likely diagnosis?

- A. Adenoma
- B. Carcinoma
- C. Chondroma
- D. Hamartoma
- E. Sarcoma

158. A 33-year-old presented by severe pain in her eye and proptosis following a kick of house's leg. On examination she cannot open her eye, restriction of movement, affection of afferent pupillary reflex and severe papilledema what is the urgent initial management?

- A. CT Orbit
- B. Corticosteroid
- C. Lateral canthotomy
- D. Analgesia
- E. MRI

159. A patient with malignant melanoma. What is the best prognostic factor?

- A. Breslow thickness < 1 mm
- B. Free margins
- C. No lymph nodes involved
- D. No distant spread
- E. Completeness of excision

160. Which is the first substance secreted in the process leading to increased renal reabsorption of sodium in response to the above injury?

- A. Angiotensin I
- B. Angiotensin II
- C. Angiotensinogen
- D. Antidiuretic hormone.
- E. Renin

161. Atrio-Ventricular septal defect embryology mainly from which of the following?

- A. Endocardial cushion
- B. Sinus venosus
- C. Truncus Arteriosus
- D. coronary sinus
- E. septum primum

162. Lactulose is a drug used in portal hypertension encephalopathy and treatment of chronic constipation. Where is lactulose activated?

- A. Ascending colon
- B. Duodenum
- C. Jejunum
- D. Stomach
- E. Ileum

163. Portion of blood in Pulmonary bed or circulation?

- A. 10 to 15 %
- B. 20 to 25 %
- C. 25-30 %
- D. 50 to 60 %
- E. 60 %

164. What is the level of Bifurcation of common carotid arteries?

- A. C2
- B. C4
- C. C6
- D. T1
- E. T3

165. A 3 years Patient presented with abdominal pain and dark bleeding per rectum which revealed after 2-3 hours, with history of anemia and intussusception 6 months ago managed conservatively. Which investigation to do for that patient?

- A. Colonoscope
- B. Technetium 99 scan
- C. CT abdomen with contrast
- D. CT abdomen without contrast
- E. MRI

166. A 40 years old man has chronic kidney disease and he is on replacement therapy. He suffered from normocytic normochromic anemia. What is the cause of that anemia?

- A. Decrease iron absorption
- B. Bone marrow depression
- C. Increase hemolysis
- D. Folic acid deficiency
- E. erythropoietin deficiency

167. Anesthesiologists prefer spinal Anesthesia for Myasthenia gravis patient. what is the neurotransmitter prevented from its work in the tissue?

- A. Dopamine
- B. Adrenaline
- C. Noradrenaline
- D. Acetylcholine
- E. Histamine

168. 39 years old man after trauma to face. After examination, the cheek is flat and depressed. He developed ecchymosis around eye and complains of some diplopia and numbness over the cheek and upper lip. What is the bone affected?

- A. Maxillary
- B. Lacrimal
- C. Zygoma
- D. mandibular
- E. occipital

169. Sensory nerve supply to the area behind earlobe is by which nerve?

- A. Great auricular
- B. Lesser occipital
- C. Occipital

- D. Trigeminal
- E. Auriculo-temporal

170. Man suffered from chronic pancreatitis with undigested fat and steatorrhea. The cause of undigested fat?

- A. Cholysystokinin CCK
- B. Trypsin and lipase
- C. Gastrin
- D. Vasoactive intestinal peptide VIP
- E. somatostatin

171. 55 years old with intracranial insult causing bulbar palsy and admitted in ICU and now made tracheostomy and need to prevent aspiration. What is the procedure used?

- A. Enteral tube feeding
- B. Give antibiotic to prevent aspiration
- C. Cuffed tracheostomy tube
- D. Cuffed endotracheal tube
- E. None of the above

172. 48 years old man is recovering following appendectomy in the ward but his follow up charts show oliguria. What is the initial management for correction this oliguria?

- A. 500 ml Hartman solution and observe in half hour
- B. 2 liter Hartman rapidly
- C. Start an infusion of noradrenaline
- D. Administer intravenous furosemide
- E. Insert a Swann Ganz Catheter

173. The phrenic nerve enters the neck from thorax. Which structure is medial to phrenic nerve?

- A. Trachea
- B. SVC
- C. Esophagus
- D. Subclavian artery
- E. Right brachiocephalic vein

174. A surgeon is due to perform a mid-humeral shaft fracture fixation while he found a nerve passing posterior then lateral to humerus. The nerve then passes anteriorly at the lateral condyle. What is the expected described nerve?

- A. Radial nerve
- B. Median nerve
- C. Ulnar nerve
- D. Anterior interosseous nerve
- E. Posterior interosseous nerve

175. Three months following a Colle's fracture which was managed by casting, a 32 years old patient presented with wrist pain and inability to extend thumb. Examination revealed that he can't lift his thumb off the table and cannot fully move his interphalangeal joint. Which of the following is the most likely cause?

- A. Extensor pollicis longus tear
- B. Abductor pollicis brevis tear
- C. Opponens pollicis tear
- D. 4th lumbricals tear
- E. Abductor pollicis longus tear

176. A 2 years old child is assessed after lung surgery. His sensory examination is unremarkable, but he is unable to push himself from crawling to standing position due to right arm weakness. Which of the following structures would be injured?

- A. Thoracodorsal nerve
- B. Long thoracic nerve
- C. Intercostobrachial nerve
- D. Lateral pectoral nerve
- E. Medial pectoral nerve

177. During a hip surgery, an orthopedic surgeon tried to release iliopsoas muscle near its insertion to the lesser trochanter of femur. Which structure is at risk?

- A. Femoral nerve
- B. Femoral artery
- C. Femoral vein

- D. Sciatic nerve
- E. Medial circumflex artery

178.A 50 year old builder presented with cough and shortness of breath. He was diagnosed as Mesothelioma which one of the following can describe it?

- A. Vascular tumor
- B. Primary tumor of lung
- C. Epithelial tumor and tubular cells
- D. Neuroendocrine tumor
- E. None of the above

179.Which antibody is a pentamer and cannot cross the placenta from the following?

- A. IgG
- B. IgA
- C. IgD
- D. IgM
- E. IgE

180.A 35 year old lady has a history of breast surgery while she was abroad. She presented with red erythematous lesion and 3 lumps over the surgical site and her mammogram showed 3 area of calcification what s your diagnosis?

- A. Fibroadenoma
- B. Phylloides
- C. Breast sarcoma
- D. Fat necrosis
- E. Inflammatory breast cancer

181.A 55 year old man on Rivoroxaban falls on his back of the head. Feels completely fine. What would be your next step?

- A. CT in 1 hour
- B. CT in 8 hours
- C. Discharge with warning sings
- D. X-ray skull
- E. Refer to neurosurgeon

182.During one of your night shifts on-call, one patient's blood transfusion line was connected with another patient's IV line. However, it was recognized and corrected before the transfusion started. What is the level of harm to the patient?

- a. Near Miss
- b. Major harm
- c. Moderate harm
- d. Minor harm
- e. Insufficient harm.

183.A 25 years-old man has multiple episodes of diarrhea associated with joint pain. His colonoscopy revealed crypt abscess in the wall of the colon. What is the diagnosis?

- a. Rectal ulcer
- b. Crohn's disease
- c. Ulcerative colitis
- d. FAP
- e. rheumatoid arthritis

184.What is the mechanism of action of Tranexamic acid?

- a. Inhibits thrombin.
- b. Inhibits of factor Xa
- c. Inhibits plasmin.
- d. Antiplatelet
- e. Increase the RBC

185.A 7 years old boy has bleeding tendencies and his mother said his two sisters never had the issue before and she suspects this bleeding my from her divorced husband. What is the cause of these bleeding tendencies?

- A. factor 7
- B. Factor 8
- C. Factor 11
- D. Factor 12
- E. factor 13

186. A 1 day old infant is born with severe respiratory compromise. On examination, he has a scaphoid abdomen and an absent apex of the

heart on the left side and stomach appears on the chest. Which of the following anomalies is most likely?

- A. Situs inversus
- B. Septum transversum defect
- C. Pleuriperitoneal membrane defect
- D. central tendon defect
- E. duodenal atresia

187. A 30 years old patient presented to ER after RTA with temporal bone injury and medial meningeal artery causing extradural hemorrhage. What is the location of that injury?

- A. Vertex
- B. Glabella
- C. Nasion
- D. Pterion
- E. sphenoid

188. A 70 years old ex-sailor presents with a crusty exophytic ulcer over his left cheek since 6 months. On examination, the ulcer has got an everted edge with basloid features. A few enlarged lymph nodes are palpable in his neck. What is your diagnosis?

- A. Squamous cell cancer
- B. Basal cell cancer
- C. Keratoacnathoma
- D. Malignant melanoma
- E. Merkel cell tumor

189. A Patient has tingling on ipsilateral side of front of head and ophthalmoplegia is seen. Where are the Nerves responsible passing through?

- A. Superior orbital fissure
- B. Foramen ovale
- C. Foramen rotundum
- D. Foramen magnum
- E. Foramen spinosum

190. Which of the following Para nasal sinus drains into superior meatus of the nasal cavity?

- A. Anterior ethmoidal sinus
- B. Posterior ethmoidal sinus
- C. Frontal sinus
- D. Maxillary sinus
- E. nasolacrimal duct

191. A 26-year-old patient sustained an upper limb trauma resulting in a comminuted proximal forearm fracture. On examination, he can't extend his elbow and there is altered sensation radiating to the little finger. Which nerve root is responsible for the lesion?

- A. C5
- B. C6
- C. C7
- D. C8
- E. T1

192. A patient had Injury at wrist resulting in thenar muscle injury. Upon examination, hand was placed on the table with palm up, the patient can't make his thumb 90 degree on the hand. Which muscle is involved?

- A. Adductor pollicis
- B. Abductor pollicis brevis
- C. Flexor pollicis brevis
- D. Extensor pollicis longus
- E. Opponens pollicis

193. A 23 years old patient suffered a fracture supracondylar fracture of humerus with anterior interosseous nerve affection. The fracture was reduced, and internal fixation done. Backslap was applied and the patient was transferred to the ward. 6 hours postoperatively, you note that the forearm is painful especially with passive movement. What is the best next step in management?

- A. Transfer the patient to theatre and perform decompression.
- B. Physiotherapy

- C. Removal of slab and reassess after 4 hours
- D. Analgesia and follow up
- E. Nerve conduction velocity

194. A 50-year-old Patient came to ER assessment of consciousness level was done according to GCS patient do abnormal flexion, open eye to pain and sounds what the GCS?

- A. 9
- B. 7
- C. 12
- D. 11
- E. None of the above

195. A 42-year-old lady presented with bloody nipple discharge, skin tethering and nipple retraction. Her U/S was normal. What is your Next step?

- A. Core biopsy
- B. MRI
- C. U/S in 6 months
- D. Mammogram
- E. MRI

196. A 22-year-old man has been stabbed in the left fifth intercostal space at mid-clavicular line. Which structure is most likely to have been penetrated?

- A. Left atrium
- B. Left lobe of the liver
- C. Left lung
- D. Right atrium
- E. Right ventricle

197. During the submandibular gland surgery, what is the artery at risk of injury?

- A. Lingual artery
- B. Facial artery
- C. external carotid artery
- D. internal carotid artery
- E. superficial temporal artery

198. What is the embryology or origin of thyroglossal cyst

- A. 4th branchial arch
- B. 3rd branchial arch
- C. thyroglossal duct
- D. isthmus of thyroid gland
- E. 4th branchial pouch

199. A 9 month child presented with impalpable undescended testis on one side and other testis is present. What is the next step for management?

- A. Surgical exploration under general anesthesia in 3 months
- B. MRI under general anesthesia
- C. CT under general anesthesia
- D. abdominal ultrasound
- E. orchiectomy

200. 5 years old child has burn on anterior abdominal wall & thigh. What is the first step on management to minimize burn damage?

- A. Rinse area with water
- B. iv fluids
- C. 100% O₂
- D. non-adhesive dressing
- E. graft

201. 40 years old patient with body weight 65 kg suffered from 20% surface area burn. What are the crystalloid fluid requirements during first 8 hours?

- A. 1.3 liters
- B. 2.6 liters
- C. 5.2 liters

- D. 6.4 liters
- E. 7 liters

202. 50 years old man undergoes hernia repair. What is the method done for reducing risk of postoperative mesh infection least?

- A. Shaving of the surgical site immediately pre-operative
- B. Pre-operative cleaning with antiseptic skin solution
- C. Regular sterilization of the walls and floor
- D. Zooning of the operation room
- E. Good aeration of the operation room

203. A patient undergone splenectomy after trauma. During operation the surgeon was due to ligate the splenic artery. What is the structure most likely to be injured during this step?

- A. Tail of pancreas
- B. Fundus of stomach
- C. Pancreatic duct
- D. Phrenico-colic ligament
- E. Lineorenal ligament

204. What is the most reliable score for detection of perioperative morbidity and mortality?

- A. NELA (national emergency laparotomy for audit)
- B. ASA
- C. Apache II
- D. POSSUM (physiological and operative severity scoring system)
- E. Charlson

205. A 22 years old man has cervical vertebra trauma. He has upper limbs weakness more than the lower limbs. What is mostly diagnosis?

- A. Tabes dorsalis
- B. Sub-acute degeneration of the cord
- C. Brown Sequard syndrome
- D. central cord syndrome
- E. Herpes zoster

206. Which of the following is preganglionic neurotransmitter in the nervous system?

- A. Acetylcholine
- B. Noradrenaline
- C. Adrenaline
- D. Dopamine
- E. Doputamine

207. A 20 years old man suffered from jaundice after he take blood transfusion by about three months. What is the cause of jaundice?

- A. infection by Hepatitis C
- B. infection by Hepatitis B
- C. infection by Hepatitis A
- D. Hemolysis of transfused blood
- E. ABO incompatibility

208. 57 years old man diagnosed as tertiary hyperparathyroidism after renal transplantation. Which of the following is considered as parathormone hormone function?

- A. Activation of 1,25 hydroxy cholecalciferol
- B. Direct increase absorption of Calcium and phosphate through GIT
- C. Increase bone mineralization
- D. Decrease calcium reabsorption from the kidney
- E. Increase phosphorus absorption from kidney