

NEET PG 2020 Memory Based Question Paper

1. Upward movement of the thyroid gland is prevented due to?
 - a) Berry ligament
 - b) Pretracheal fascia
 - c) Sternothyroid muscle
 - d) Thyrohyoid membrane
2. The reason for the long left recurrent laryngeal nerve is due to the persistence of which arch artery?
 - a) 3rd arch
 - b) 4th arch
 - c) 5th arch
 - d) 2nd arch
3. Ligation of the hepatic artery will impair blood supply in
 - a) Right gastric and Right gastroepiploic artery
 - b) Right gastric and Left gastric artery
 - c) Right gastroepiploic and short gastric vessels
 - d) Right gastric and short gastric vessels
4. Wolffian duct remnant in female is
 - a) Pouch of Douglas
 - b) Uterovesical pouch
 - c) Gartner's cyst
 - d) Broad ligament
5. Nerve supply of the extraocular muscles is constituted by all except
 - a) Ophthalmic nerve
 - b) Oculomotor nerve
 - c) Trochlear nerve
 - d) Abducent nerve
6. Claudication due to popliteal femoral incompetence is primarily seen in
 - a) Thigh
 - b) Calf
 - c) Buttocks
 - d) Feet
7. Which muscle is paralyzed if there is hyperextension of metacarpophalangeal joint and flexion of the interphalangeal joint?
 - a) Extensor digitorum
 - b) Interossei and lumbricals
 - c) Adductor pollicis
 - d) Pronator quadratus muscle

8. Tumour of the uncinate process of the pancreas will compress which artery

- a) Portal vein
- b) Superior mesenteric artery
- c) Inferior mesenteric artery
- d) Common hepatic artery

9. A boy met with a motorbike accident. CT brain shows injury to the posterior end of the superior temporal gyrus. He is likely to suffer from

- a) Fluent aphasia
- b) Non-fluent aphasia
- c) Conduction aphasia
- d) None of the above

10. A 65-year-old lady presents with a vascular injury to the inferior frontal gyrus. Which functional area would mostly be affected

- a) Visual
- b) Auditory
- c) Wernicke
- d) Motor speech

11. Where is the highest oxygen concentration presents in fetal circulation

- a) SVC
- b) IVC
- c) Right ventricle
- d) Aorta

12. When the value of V/q is infinity, it means?

- a) No O₂ goes from alveoli to blood and no CO₂ goes from blood
- b) Dead space
- c) The PO₂ of alveolar air is 159mmHg and PCO₂ is 40mmHg
- d) Partial pressure of O₂ and CO₂ are equal

13. Proteoglycan present in the glomerular basement membrane is?

- a) Keratan sulphate 1
- b) Keratan sulphate 2
- c) Heparan sulphate
- d) Chondroitin sulphate

14. 35yr old female was watching TV for long hours with hands under her head. She complains of tingling sensation over her arm. Which type of nerve fibers is most likely to be affected?

- a) Fibers
- b) B - fibers
- c) C - Fibers
- d) Sympathetic nerve fibers

15. The reflex in which there is inhibition of gastric emptying when there is acid and hypertonic solution in the duodenum?

- a) Enterogastric
- b) Gastroileal
- c) Gastrocolic
- d) Myenteric

16. In multiple sclerosis, slow conduction of motor and the sensory pathways is due to?

- a) Defect in the node of Ranvier
- b) Loss of myelin sheath
- c) Leaking of sodium channels
- d) Leaking calcium channels

17. Which of the following clotting factor in a patient on Warfarin therapy, would have decreased gamma carboxyglutamate residue?

- a) Factor 2
- b) Factor 11
- c) Tissue factor
- d) Factor 5

18. Blood stored in citrate-phosphate-dextrose is better for hypoxic patients than acidic-citrate-dextrose because?

- a) It has less P
- b) It is less acidic
- c) The fall in 2, 3 DPG is less
- d) None of the above

19. Which of the following is referred to as the "Window of the limbic system"?

- a) Hypothalamus
- b) Amygdala
- c) Hippocampus
- d) Thalamus

20. Cerebral blood flow is regulated by all except:

- a) Blood pressure
- b) Arterial PCO
- c) Potassium ions
- d) A & C

21. Hepcidin inhibits ?

- a) Absorption of cobalamine

- b) Transfer of iron into enterocytes
- c) Folic acid synthesis
- d) Respiratory oxidase

22. Which of the following technique is used to study current flow across a single ion channel?

- a) Patch clamp
- b) Voltage clamp
- c) Iontophoresis
- d) Galvanometry

23. A 4-year-old boy of a first-degree consanguineous couple was noted by the parents to have darkening of the urine to an almost black color when it was left standing. He has a normal sibling, and there are no other medical problems. Growth and development to date are normal. Which of the following is most likely to be elevated in this patient?

- a) Methylmalonate
- b) Homogentisate
- c) Phenylpyruvate
- d) α -Ketoisovalerate

24. Which of the following is true about different structures of protein?

- a) Secondary structure is the three-dimensional structure of
- b) Secondary structure is stabilized by disulfide bonds
- c) Primary, secondary and tertiary structures destroyed during
- d) Secondary and tertiary structure depends on the sequence of

25. The insulin glucagon ratio decreased. The enzyme is active at this time?

- a) Glucokinase
- b) Hexokinase
- c) Phosphofructokinase
- d) Glucose 6 phosphatase

26. Ochronosis is due to the accumulation of?

- a) Homogentisic acid
- b) Homogentisic acid
- c) Xanthurenate
- d) Glyoxylate

27. Bilirubin in serum can be measured by

- a) Van den Bergh reaction
- b) Ehrlich's Reaction
- c) Schlesinger's Reaction
- d) Fouchet's Reaction

28. If a sample of DNA if adenine is 28% what will be the amount of Cytosine present

- a) 23%
- b) 25%
- c) 46%
- d) 22%

29. Which of the following vitamin at higher doses causes cystoid macular edema-

- a) Vit A
- b) Vit D
- c) Vit E
- d) Niacin

30. True statement regarding Huntington's chorea is

- a) There is a loss of function type of mutation
- b) It is an autosomal recessive
- c) It is a trinucleotide repeat expansion type of disorder
- d) Increased number of CAA repeats

31. Addition of which Amino Acid will increase UV absorption

- a) Tryptophan
- b) Leucine
- c) Proline
- d) Arginine

32. V- Richest source of vitamin B12 ?

- a) Meat
- b) Green leafy vegetables
- c) Corn oil
- d) Sunflower oil

33. Which amino acid is used to synthesize Nitric oxide?

- a) Glycine
- b) Arginine
- c) Tyrosine
- d) Threonine

34. True About Noncompetitive antagonist -

- a) K_m remains same, V_{max} decreases
- b) K_m remains same, V_{max} decreases
- c) K_m decreases, V_{max} increases
- d) K_m increases, V_{max} increases

35. Werner syndrome associated with premature aging is caused due to a defect in which of the following?

- a) Telomerase

- b) Caspase
- c) DNA topoisomerase
- d) DNA helicase

36. Which of the following dietary fiber is insoluble in water?

- a) Pectin
- b) Lignin
- c) Hemicellulose
- d) Cellulose

37. According to NCEP-ATP III, which among the following have not been included in metabolic syndrome?

- a) High LDL
- b) Hypertriglyceridemia
- c) Central Obesity
- d) Hypertension

38. Which of the following is the basis for the intestine-specific expression of apoprotein B-48?

- a) DNA rearrangement and loss
- b) DNA rearrangement and loss
- c) RNA alternative splicing
- d) RNA editing

39. A 30-year-old male came with complaints of swelling around the knee joint.

Histopathological examination of the swelling demonstrated many giant cells interspersed with mononuclear cells.

What is the probable diagnosis

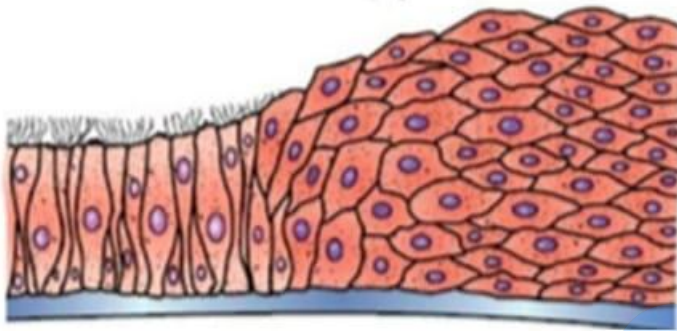
- a) Osteosarcoma
- b) Ewing's sarcoma
- c) Giant cell tumour
- d) Chondrosarcoma

40. 30 years old came with complaints of easy fatigability, exertional dyspnea, and weight loss. She also complains of frequent falls. physical examination revealed there was a bilateral decrease in vibration sense. Her hemoglobin levels were 8.2g%. She was treated with folate. Her anemia improved but neurological symptoms worsened. Which of the following is the most probable reason for her condition?

- a) Folate not absorbed
- b) Unmasked pyridoxine deficiency
- c) Deficiency of folate reductase in CNS

d) Folate therapy caused rapid use of Vit B12 stores aggravating

41. A 45-year-old man who is a chronic smoker came to the clinic with a complaint of cough. The physician examines the patient and takes a biopsy, the picture in the biopsy was as the description below. Which of the following cellular changes has happened to this patient?



- a) Hyperplasia
- b) Dysplasia
- c) Metaplasia
- d) CIN3

42. A 30-year-old woman presents with thyroid swelling. On investigations, her TSH levels are found to be elevated. Postoperative reports showed lymphocytic infiltration and hurthle cells. A most probable diagnosis is?

- a) Graves disease
- b) Hashimoto's thyroiditis
- c) Follicular carcinoma
- d) Medullary carcinoma thyroid

43. Which of the following will be seen on cardiac biopsy of a patient who had a post MI reperfusion injury?

- a) Waviness of fibres
- b) Eosinophilic contraction bands
- c) Neutrophils in cardiac cells
- d) Swelling of cells

44. Loss of foot process is classical in case of?

- a) Membranous glomerulitis
- b) Segmental glomerulosclerosis
- c) IgA nephropathy

d) Diabetic nephropathy

45. Which of the following factors play a major role in the initiation of thrombus formation?

- a) Vasoconstriction
- b) Coagulation cascade activation
- c) Platelets activation
- d) Endothelial injury

46. A 33-year-old man presents with a 5-week history of calf pain, swelling, and low-grade fever. Serum levels of creatinine kinase are elevated. A muscle biopsy reveals numerous eosinophils also she had peripheral blood eosinophilia. Which of the following interleukins is primarily responsible for the increase in eosinophils in this patient?

- a) IL 2
- b) IL 4
- c) IL 1
- d) IL6

47. Which of the following is true about PAN?

- a) Microscopy shows fibrinoid necrosis in large arteries
- b) ANCA is positive
- c) 30% of people have HbsAg positive
- d) Patient have hypogammaglobulinemia

48. A 23-year-old male presented with a history of fatigue and tiredness. On investigation, he was found to have Hb values of 9gm%, MCV of 101 FL. peripheral smear examination showed microcytic RBC and hypersegmented neutrophils. Which is most probable etiology

- a) Lead poisoning
- b) Iron deficiency anemia
- c) Chronic alcoholism
- d) Hemolytic anemia

49. What is the main feature of chemotaxis as observed in white blood cells?

- a) Increased random movement of neutrophils
- b) Increased adhesiveness to intima
- c) Increased phagocytosis
- d) Unidirectional locomotion of neutrophils

50. Which of the following anticancer drugs are competitive inhibitors of tyrosine

kinase –

- a) Imatinib and sunitinib
- b) Letrozole
- c) Bicalutamide
- d) Fulvestrant

51. Which is not a prokinetic agent?

- a) Dopamine antagonist
- b) 5HT₄ agonist
- c) Macrolides
- d) Diphenylmethane

52. Which of the following drugs act by inhibiting DNA replication?

- a) 6 Mercaptopurine
- b) Actinomycin D
- c) Mitomycin C
- d) Asparaginase

53. DOC for Onychomycosis?

- a) Terbinafine
- b) Fluconazole
- c) Nystatin
- d) Itraconazole

54. Theophylline by what mechanism causes diuresis?

- a) PDE3 inhibition
- b) PDE4 inhibition
- c) Beta 2 agonist action
- d) Adenosine A₁ receptor antagonism

55. Which of the following antimicrobials should not be given to a chronic asthmatic patient managed on theophylline therapy?

- a) Erythromycin
- b) Amoxicillin
- c) Cefotaxime
- d) Cotrimoxazole

56. DOC of prophylaxis for motion sickness?

- a) Promethazine
- b) Prochlorperazine
- c) Metoclopramide
- d) Itopride

57. Which of the following antihypertensive drug is avoided in patients with high serum uric acid levels?

- a) Hydrochlorothiazide
- b) Enalapril

- c) Prazosin
- d) Atenolol

58. Mechanism of resistance to penicillins via beta-lactamase is

- a) Altered penicillin-binding proteins
- b) Drug efflux
- c) Breaks drug structure
- d) Alteration in 50S ribosome structure

59. A patient on lithium therapy developed hypertension. He was started on Thiazide for hypertension. After a few days, he developed coarse tremors and other symptoms suggestive of lithium toxicity. What is the probable mechanism of interaction?

- a) Thiazide increases the tubular reabsorption of lithium
- b) Thiazide inhibits the metabolism of lithium
- c) Thiazides act as an add on the drug to lithium
- d) All of the above

60. Which drug acts via the tyrosine kinase receptor?

- a) Insulin
- b) TSH
- c) LH
- d) MSH

61. Pegloticase is used for the treatment of an Ankylosing spondylosis

- a) Reactive Arthritis
- b) CPPD
- c) Chronic tophaceous gout
- d) Refractory Rheumatoid arthritis

62. Fluoroquinolone contraindicated in liver disease is

- a) Levofloxacin
- b) Pefloxacin
- c) Ofloxacin
- d) Lomefloxacin

63. At a high altitude of 3000 m, a person complains of breathlessness. All of the following can be used for the management of this person except?

- a) Intravenous digoxin
- b) Oxygen supplementation
- c) Immediate descent
- d) Acetazolamide

64. A patient with diabetes and COPD developed postoperative urinary retention. Which of the following drugs can be used for short term treatment to relieve the symptoms of this person?

- a) Bethanechol
- b) Methacholine
- c) Terazosin
- d) Tamsulosin

65. Drug of choice for invasive aspergillosis is

- a) Posaconazole
- b) Voriconazole
- c) Liposomal AMB
- d) Caspofungin

66. Which of the following drugs acts by inhibiting the transcription of DNA to RNA?

- a) Rifampicin
- b) Nitrofurantoin
- c) Ciprofloxacin
- d) Novobiocin

67. A patient was recently started on Fluphenazine. A few weeks later, he developed tremors, rigidity, bradykinesia, and excessive salivation. The first line of management for this patient is

- a) Selegiline
- b) Trihexyphenidyl
- c) Pramipexole
- d) Amantadine

68. A person was given a muscle relaxant that competitively blocks nicotinic receptors. Which of the following drugs is used for reversal of muscle relaxation after surgery?

- a) Neostigmine
- b) Carbachol
- c) Succinylcholine
- d) Physostigmine

69. Zero-order kinetics is otherwise known as saturation kinetics. It is independent of:

- a) Plasma concentration
- b) Clearance
- c) Volume of distribution
- d) Half life

70. Which of the following anticancer drugs are competitive inhibitors of tyrosine kinase –

- a) Imatinib and sunitinib
- b) Letrozole
- c) Bicalutamide
- d) Fulvestrant

71. Which of the following is the law on child sexual abuse in India?

- a) Child Sexual Abuse Prevention Act
- b) Protection Of Children from Sexual Offences Act (POCSO)
- c) Child Welfare Act
- d) Sexual Offences Act

72. Punishment of perjury comes under IPC section?

- a) IPC 191
- b) IPC 192
- c) IPC 193
- d) IPC 197

73. When civil negligence is brought up against a doctor, the onus of proof lies upon -

- a) Judicial first-degree magistrate
- b) Police not below the level of sub-inspector
- c) Doctor
- d) Patient

74. Relatives of a patient told during postmortem examination that the person had a tattoo - which was now invisible. How to identify?

- a) Examine the Lymph node
- b) Spectrophotometer
- c) Ordinary light
- d) X-ray

75. True about hymen in Child rape is-

- a) Hymen easily tears because it is thin
- b) Hymen easily tears because it is in the front
- c) Hymen hardly tears because it is highly elastic
- d) Hymen hardly tears because it is situated deep

76. Magnan's symptoms are related to

- a) Cocaine poisoning
- b) Cannabis
- c) Cannabis
- d) Alcohol

77. Parents of the Child complains of

assaulted by one of their relatives and anal pain in a child, On investigation test shows yellow iodine crystals with picric acid - what is the name of the test?

- a) Florence test
- b) Barberio's test
- c) Acid phosphatase test
- d) Creatine Phosphokinase

78. The Magistrate can detain the maximum number of days for a mentally ill person as per mental health care is

- a) 30 days
- b) 90 days
- c) 50 days
- d) 100 days

79. Vector for zika virus is -

- a) Aedes
- b) Culex
- c) Anopheles
- d) None of these

80. All are true regarding Japanese encephalitis except ?

- a) Caused by flavivirus
- b) Humans are dead-end hosts
- c) Transmitted by culex
- d) Cattles are amplifier hosts

81. All of the following is/are having superantigen Property Except

- a) Vibrio cholera
- b) Streptococcal pyrogenic
- c) Staphylococcal enterotoxins
- d) None of these

82. Type A bioterrorism Agent-

- a) Chikungunya
- b) Anthrax
- c) Hendra
- d) Influenza

83. Culture media used for E.coli 0157:H7 is

- a) SMAC
- b) Wilson and Blair medium
- c) Potassium tellurite in Mcleod's medium
- d) Deoxycholate citrate agar (DCA)

84. Donovanosis is Caused By-

- a) H. ducreyi
- b) Leishmania donovani

- c) K. granulomatis
- d) Treponema pallidum

85. Fungal Infection which is acquired by traumatic inoculation is?

- a) Sporothrix
- b) Blastomycosis
- c) Coccidioides
- d) Paracoccidioides

86. Which of the following is not involved in urethritis

- a) Trichomonas
- b) H.ducreyi
- c) Chlamydia
- d) Gonococcus

87. A patient complains about nausea, vomiting and stomach cramps after attending a social gathering party, which causative organism is likely responsible for Food Poisoning within 3 hours.

- a) Staphylococcus aureus
- b) Salmonella
- c) Clostridium botulinum
- d) Clostridium perfringens

88. A 46-year-old woman with HIV complains severe persistent diarrhea, Histological Investigation was performed, Identify the organism causing diarrhea in HIV Patient.

- a) Cryptosporidium
- b) Staphylococcus aureus
- c) Salmonella
- d) Clostridium botulinum

89. Organism Causing LGV

- a) Chlamydia trachomatis
- b) Neisseria gonorrhoeae
- c) Treponema pallidum
- d) Haemophilus ducreyi

90. Which interleukin responsible for producing IgE from B cells

- a) IL 1
- b) IL 3
- c) IL 4
- d) Both B & C

91. HbsAg is based on which principle

- a) Immunochromatography assays
- b) Chemiluminescence

- c) ELISA
- d) Immunofluorescence

92. Nosocomial Infection occurs within?

- a) A- 48
- b) B. 72
- c) C. 24
- d) D. 50

93. Which of the following cell components produced by *Neisseria gonorrhoeae* is responsible for attachment to host cells?

- a) Lipooligosaccharide
- b) Pili (fimbriae)
- c) IgA1 protease
- d) Outer membrane porin protein

94. Where will you put chemical liquid biomedical waste

- a) White
- b) Yellow
- c) Blue
- d) Red

95. Maximum work hours for a person including overtime under the factories act:

- a) 48
- b) 50
- c) 60
- d) 100

96. The vaccine to be given after disaster

- a) vaccination against typhoid
- b) vaccination against cholera
- c) vaccination against typhoid and cholera
- d) vaccination against tetanus

97. What is the MONICA project?

- a) Multinational monitoring of trends and determinants in
- b) Multinational of trends and determinants in cerebrovascular
- c) Multinational monitoring of trends and determinants in diabetes
- d) Multinational monitoring of trends and determinants in

98. Extended sickness benefit for tuberculosis under the ESI Act is:

- a) 91 days
- b) 1-year
- c) 2 years
- d) 4 years

99. A person reports 4 hours after having a clean wound without laceration. He had

taken TT 10 years before. the next step in management is:

- a) Full course Tetanus vaccine to be given
- b) Full dose TT with TIG
- c) Single-dose TT
- d) No need for any vaccine

100. Recent Influenza Pandemic was due to:

- a) H1N1
- b) H5N1
- c) H7N7
- d) H3N2

101. Mission Indradhanush is for:

- a) Non-communicable diseases
- b) Universal immunization
- c) Family planning
- d) Safe water and sanitation

102. A study had a normal distribution with the median value as 200 and standard deviation 20. 68 % will fall between

- a) 160-240
- b) 170-230
- c) 180-220
- d) 190-210

103. Which of the following is a technique/method based on behavioural sciences

- a) Management by objectives
- b) Network analysis
- c) Systems analysis
- d) Decision making

104. As per the sustainable development goals, The target for MMR is to achieve maternal deaths of

- a) < 70 / Lac live births
- b) < 100 / lac live births
- c) < 7 / 1000 live births
- d) < 10 / 1000 live births

105. The best method for routine monitoring of air pollution

- a) Sulphur dioxide, smoke, and particulate matter
- b) Sulphur dioxide, Hydrogen sulphide, carbon monoxide
- c) Carbon dioxide, hydrogen sulphide, lead
- d) Sulphur dioxide, Lead and particulate matter

106. The variation in data is compared with another data set by:

- a) Variance
- b) Coefficient of variation
- c) The standard error of mean
- d) Standard deviation

107. In which of the following methods of management is the benefit measured in natural units?

- a) Program budgeting system
- b) Network analysis
- c) Cost-effective analysis
- d) Cost-benefit analysis

108. The difference between the incidence in the exposed and non-exposed group is best given by:

- a) Relative risk
- b) Attributable risk
- c) Population attributable risk
- d) Odds ratio

109. If one variable is given then you can find another variable by

- a) Coefficient of variation
- b) Coefficient of correlation
- c) Coefficient of regression
- d) Coefficient of determination

110. Prospective screening is done in case of?

- a) Neonate for thyroid diseases
- b) Immigrant screening
- c) Pap smear for 45-year female
- d) Diabetes mellitus for 40-year male

111. A researcher wanted to prove the relation between COPD and smoking. He collected patients records from government hospitals and records of cigarette sales from the finance and taxation department. This is an example of which study design:

- a) Cross-sectional
- b) Posological study
- c) Ecological study
- d) Operations research

112. A study was done to assess malnutrition among young children. 100 children were selected each from rural and urban areas. Out of these, 30 among rural and 20 among urban were found to be

malnourished. which of the following statistical test is used to compare the data sets?

- a) Paired t-test
- b) Chi-square
- c) The standard error of mean
- d) ANOVA

113. The active disinfectant property of bleaching powder is due to:

- a) Chlorine
- b) Hypochloric acid
- c) Hypochlorous acid
- d) Chloramines

114. Mother does not transmit what antibody to the baby –

- a) Polio
- b) Diphtheria
- c) Diphtheria
- d) Tetanus

115. Voluntary admission can be done maximum up to how much time according to MHA 2017

- a) 48 hrs
- b) 7 Days
- c) 30 Days
- d) 90 Days

116. Blood bags are disposed of in

- a) Yellow bag
- b) Black bag
- c) Red bag
- d) White bag

117. Absolute contraindication for IUD (Intra Uterine Contraceptive Device) are all except –

- a) Pregnancy
- b) Undiagnosed vaginal bleeding
- c) Pelvic inflammatory disease
- d) Uterine malformation

118. Which of the following is water-related disease

- a) Yellow fever
- b) Scabies
- c) Cholera
- d) Dysentery

119. In Vision 2020, the target for Secondary

Service center is for how much population –

- a) 10000
- b) 50000
- c) 1 lac
- d) 5 lac

120. CA-125 is a marker for the screening of ovarian cancer. To characterize this test, histopathological confirmation of ovarian cancer was done in a cohort of patients. 60/100 women who tested positive for this test had ovarian cancer and 20/100 women who tested negative had ovarian cancer. What is the negative predictive value of this test?

- a) 20/100
- b) 40/100
- c) 60/100
- d) 80/100

121. Screening is not useful in which carcinoma

- a) Carcinoma prostate
- b) Carcinoma colon
- c) Carcinoma breast
- d) Testicular tumor

122. Admission rate bias is?

- a) Reporting bias
- b) Response bias
- c) Berksonian bias
- d) None

123. Stimulation of the external auditory canal leads to cough due to which nerve

- a) Auricular branch Vagus
 - b) Greater auricular nerve
 - c) Auriculotemporal nerve
 - d) Facial Nerve
- a) Otoplasty
 - b) Myringoplasty
 - c) Tympanoplasty
 - d) Meatoplasty

125. Tubercular Otitis media is characterized by all except

- a) Painful otorrhea
- b) Multiple perforations
- c) Pale granulations
- d) Foul-smelling ear discharge

126. Partial and full closure done in

- a) Atrophic rhinitis
- b) Allergic rhinitis
- c) Vasomotor rhinitis
- d) Occupational rhinitis

127. Occipitomenal view of PNS X-ray called as

- a) Caldwell view
- b) Water view
- c) Town view
- d) Pine view

128. What causes shifting fluid?

- a) Exudative Retinal detachment
- b) Tractional Retinal Detachment
- c) Rhegmatogenous retinal detachment
- d) Retinodialysis

129. Conjunctival injection, pharyngeal injection, polymorphic rash, cervical lymphadenopathy can be seen in

- a) Kawasaki syndrome
- b) Measles
- c) Thrombocytopenia
- d) Mumps

130. Incongruous Homonymous hemianopia with Wernicke's hemianopia pupil is seen with the lesion of

- a) Optic radiation
- b) Lateral geniculate body
- c) Optic tract
- d) Anterior occipital cortex

131. The patient came with proptosis, restriction of eye movements, and was Euthyroid. What could this be from?

- a) Orbital Cellulitis
- b) Orbital Lymphoma
- c) Orbital pseudotumor
- d) Thyroid ophthalmopathy

132. Prerequisite for sympathetic ophthalmitis

- a) Penetrating injury to the eye
- b) Blunt ocular tumor
- c) Chemical injury
- d) Urinary tract infection

133. Photostress test to differentiate

- a) Lens and cornea

- b) The macula and Optic nerve diseases
- c) Cataract and glaucoma
- d) Retinal and vitreous diseases

134. Which layer of cornea helps in the hydration of stroma of cornea

- a) Endothelium
- b) Epithelium
- c) Descemet membrane
- d) Stroma

135. A 65 old male with a history of hypertension and diabetes, presents to the OPD with complaints of diplopia and squint. On examination, the secondary deviation is more than the primary deviation. Which of the following is most likely diagnosis

- a) concomitant squint
- b) paralytic squint
- c) Restrictive squint
- d) Pseudo squint

136. Esotropia is common in

- a) Myopia
- b) Hypermetropia
- c) Emmetropia
- d) Astigmatism

137. An extra row of cilia posterior to the grey line

- a) Distichiasis
- b) Tylosis
- c) Madarosis
- d) Trichiasis

138. The patient came with unilateral Proptosis and bilateral Abducent nerve palsy. This could be from

- a) Cavernous sinus
- b) Orbital cellulitis
- c) Orbital pseudotumor
- d) Orbital lymphoma

139. The characteristic finding of fungal ulcers?

- a) Satellite lesions
- b) Dendritic ulcer
- c) Ring abscess
- d) White hypopyon

140. A drug used in a patient with increased

IOP and optic disc changes, ciliary congestion for decrease IOP acts by increasing uveoscleral outflow is

- a) Latanoprost
- b) Pilocarpine
- c) Dorzolamide
- d) Timolol

141. A patient diagnosed with Rheumatoid arthritis was on medications. After 2 years, he developed a blurring vision and was found to have corneal opacity.

Which drug is most likely to cause this?

- a) Sulfasalazine
- b) Chloroquine
- c) Methotrexate
- d) Leflunomide

142. Nutcracker esophagus, the correct statement is

- a) There is extremely forceful peristaltic activity leading to
- b) There is no medical t/t available
- c) Type of oesophageal Malignancy
- d) None

143. Which of the following criteria is used to assess the prognosis of the liver condition as represented in the picture below?

- a) Child pugh score
- b) Milan score
- c) Meld score
- d) Alvarado score

144. Sudden onset headache with neck rigidity?

- a) Intraparenchymal hemorrhage
- b) Sah
- c) Meningitis
- d) None of the above

145. Vegetation in mitral valve seen in which condition

- a) Libman sacks
- b) Infective endocarditis
- c) NBTE
- d) Rheumatic fever

146. Water hammer pulse is seen in

- a) Aortic regurgitation
- b) Mitral stenosis
- c) Aortic stenosis

d) Left ventricular failure

147. What will you do when 3 yrs old child parents come to phc with fever, cough since 5 days with chest indrawing present under mnci classification

- a) Give antipyretics only
- b) Give antibiotics and follow up
- c) Refer urgently to tertiary care
- d) Give antibiotics and refer to tertiary care

148. What poison will you detect in skeleton even after emaciation

- a) Lead
- b) Arsenic
- c) Mercury
- d) Cadmium

149. $\text{pH} 7.2$, HCO_3^- (10 or 12), pCO_2 -35 , 32

metabolic acidosis due to

- a) K^+ excretion by the kidney
- b) CO_2 expiration by lungs
- c) H^+ excretion by the kidney
- d) HCO_3^- loss by kidney

150. Impaired function of Aquaporin results in

- a) Liddle syndrome
- b) Nephrogenic DI
- c) Cystic fibrosis
- d) Barter syndrome

151. Most serious complication of measles is:
September 2008

- a) Croup
- b) Meningo-encephalitis
- c) Otitis media
- d) Pneumonia

152. The most common cause of death in SLE in children

- a) Lupus nephritis
- b) Lupus cerebritis
- c) Libman sacks endocarditis
- d) Anemia and infections

153. A patient having multiple Gall stones and shows 8 mm dilation and 4 stones in CBD, best treatment modalities are –

- a) Cholecystectomy with choledocholithotomy at the same setting
- b) ESWL
- c) Cholecystectomy and wait for ERCP

d) All

154. Pulmonary plethora is seen with all except:

- a) TGS
- b) Ebstein anomalies
- c) Hypoplastic left heart syndrome
- d) Double outlet right ventricle

155. 20 years old man presented with the complaint of swelling of the wrist for the last two years. histopathological examination showed spindle-shaped cells and verocay bodies what is the diagnosis?

- a) Lipoma
- b) Dermoid cyst
- c) Neuro fibroma
- d) Schwannoma

156. Hemodynamically unstable patient with SVT

- a) IV IBUTILIDE
- b) IV DILTIAZEM
- c) CARDIOVERSION
- d) Iv beta-blockers

157. A Female patient was on lithium for bipolar disorder for 6 months. she fasted for some days due to religious condition and later presented with seizures, tremors, confusion and weakness. What investigations have to be done to diagnose her condition

- a) serum electrolytes
- b) serum lithium
- c) ECG
- d) MRI

158. Lithium causes:

- a) Hypokalemia
- b) Hyperkalemia
- c) Hypocalcemia
- d) Hypercalcemia

159. A 50-year-old man presents with paresthesia. HB-6.8g/dl. Peripheral smear shows macrocytosis and neutrophils with hypersegmented nuclei. endoscopy reveals atrophic gastritis. a most probable diagnosis is

- a) Folate deficiency

- b) Vitamin B12 deficiency
- c) Riboflavin deficiency
- d) Iron deficiency

160. All trans retinoic acid is used in the treatment of tumour associated with

- a) BCR-ABL
- b) PML-RARA
- c) CMYC
- d) CEBPA

161. Renal tubular acidosis with ABG value

pH = 7.24 P_{O_2} = 80; P_{aCO_2} = 36 Na = 131;

22

HCO⁻ = 14 Cl⁻ = 90; BE = -13 Glucose =

3

135 above ABG picture suggest –

- a) Respiratory acidosis
- b) Respiratory alkalosis
- c) Metabolic acidosis
- d) Metabolic alkalosis

162. Patient with pulmonary fibrosis. Which antiarrhythmic drug should not be given

- a) Amiodarone
- b) Flecainide
- c) Iv ibutilide
- d) lidocaine

163. A 42-year-old patient with obstructive jaundice. Alp, Ggt, haptoglobin all increased. The most likely cause is:

- a) Alcohol
- b) Lead
- c) Chronic rf
- d) None of the above

164. The differentiating feature between IBS and organic GI disease is:

- a) Diarrhea
- b) Stool calprotectin
- c) Pain abdomen
- d) Mucus in stools

165. Atient has fatigue. But not gaining weight. Body was warm. Investigation will show:

- a) Low TSH with more t3 or t4
- b) High TSH with normal t3 or t4
- c) High TSH with euthyroid
- d) Increased uptake of t3, but decrease t4

166. Warming in Frost frostbite should be done at what temperature:

- a) 37 degree
- b) 42 degree
- c) 44 degree
- d) 46 degree

167. Which of the following is not seen in Pituitary apoplexy

- a) Headache
- b) Hypertension
- c) Hypotension
- d) Vomiting

168. Loss of pain/temperature sensation on ipsilateral face & C/L body due to thrombosis in

- a) PICA
- b) Posterior cerebellar artery
- c) Superior cerebellar artery
- d) None of the above

169. All found in LVF except

- a) Lung oligemia
- b) Kerley b lines
- c) Rales
- d) Pedal edema

170. All of the following show low glucose in pleural fluid, EXCEPT-

- a) Empyema
- b) Malignant pleural effusion
- c) Rheumatoid arthritis
- d) Dressler's syndrome

171. A 25 years old lady with a history of fever for 1 month presents with headache and ataxia. Brain imaging shows dilated ventricles and significant basal exudates. Which of the following will be the most likely CSF finding:

- a) Lymphocytosis, Low Glucose, High protein
- b) Lymphocytosis, Normal Glucose, High protein
- c) Lymphocytosis, Low Glucose, Normal protein
- d) Neutrophilia, Low glucose, Low Protein

172. Which of the following drug can be given in patients of primary pulmonary hypertension?

- a) Icatibant
- b) Bosentan
- c) Labetolol

d) Sodium nitroprusside

173. A patient arrived in ER following an RTA with hypotension, respiratory distress and subcutaneous emphysema with no entry of air on one side. What will be the best management?

- a) Needle decompression in 5th intercostal space in the
- b) Continue PPV
- c) Shift to ICU and incubate
- d) Secure IV line and start fluid resuscitation after insertion of the

174. Treatment of Renal cell carcinoma of less than 4 cm will be-

- a) Partial nephrectomy
- b) Radical nephrectomy
- c) Radical nephrectomy + postoperative radiotherapy
- d) Radical nephrectomy + chemotherapy

175. Which is not seen in Asepsis score-

- a) Erythema
- b) Induration
- c) Serous discharge
- d) Purulent exudate

176. Esophageal manometry was performed - it revealed panesophageal pressurization with distal contractile integrity as >450mm Hg pressure in the body. What will be the diagnosis?

- a) Type 1 achalasia
- b) Type 2 achalasia
- c) Type 3 achalasia
- d) Jackhammer esophagus

177. What will be the appropriate management for Abdominal aortic aneurysm-

- a) Monitor till size reaches 55mm
- b) Immediate surgery
- c) USG monitoring till >70mm asymptomatic
- d) No treatment

178. What is the T stage of a 2.5cm lung carcinoma, not involving the pleura?

- a) T1a
- b) T2
- c) T1b
- d) T1c

179. In, the primary survey which is not included-

- a) CECT to look for bleeding
- b) Exposure of the whole body
- c) ABC
- d) Recording BP

180. MC location of gastrinoma in MEN-1 syndrome?

- a) Duodenum
- b) Jejunum
- c) Pancreas
- d) Ileum

181. Patients have precancerous lesions with abdominal swelling and inguinal nodes are seen. On examination, lymphadenopathy was found. The most probable carcinoma related to this condition will be?

- a) ca penis
- b) CaTestis
- c) ca prostate
- d) ca bladder

182. A man under alcohol intoxication had fallen into a manhole and had a perineal injury with swollen scrotum and upper thigh along with blood at meatus. The patient is having difficulty passing urine as well. What will be the injury associated due to this trauma?

- a) Bladder rupture
- b) Penile fracture
- c) Bulbar urethra
- d) Membranous urethra

183. Patient with a history of carcinoma bladder presenting with dyspnoea with clinical signs of DVT and tachycardia. The risk for the patient to develop Pulmonary embolism according to WELL's score

- a) High
- b) Medium
- c) Low
- d) Cannot comment without d-dimer values

184. After 4 months of renal transplantation, a patient can likely to develop which infection-

- a) EBV
- b) CMV
- c) Candida

d) Histoplasma

185. The patient is present with fecal peritonitis and during laparotomy, a diverticular perforation is seen. Which stage is classified according to Hinchey's stage?

- a) 1
- b) 2
- c) 3
- d) 4

186. A young man met with a motorbike accident and had injuries to ileum and jejunum. Therefore the entire ileum and partial jejunum were resected. Which of the following would the patient suffer from

- a) Vitamin B12 deficiency
- b) Atrophic gastritis
- c) Constipation
- d) None

187. A patient after a heavy meal comes with epigastric pain. On examination tenderness and rigidity in the upper abdomen. X-ray showing pneumomediastinum. What can be the cause-

- a) Spontaneous esophageal rupture
- b) Penetrating foreign body injury to esophagus
- c) Perforated peptic ulcer
- d) Rupture of emphysematous bulla

188. Transplantation between identical twins-

- a) Isograft
- b) Allograft
- c) Autograft
- d) Xenograft

189. Thoracoscoring, what is not the component

- a) ASA CLASSIFICATIONS
- b) SURGERY PRIORITIES
- c) Performance status
- d) Expected complications post-surgery

190. Retrosternal goiter which is true?

- a) All patients should undergo CT chest
- b) All patients require a median sternotomy
- c) it receives blood supply from thoracic vessels
- d) Majority of retrosternal goitres should be operated immediately

191. True for King's Criteria with acute fulminant liver failure except-

- a) Age
- b) Jaundice <7days
- c) Serum bilirubin >17.5 mg/dl
- d) INR >3.5

192. A patient who was posted for elective inguinal hernia surgery has history MI for which he underwent CABG. What will you do in pre operative assessment?

- a) History + c/e + routine labs + angiography to look for stent
- b) History + c/e + routine labs
- c) History + c/e + routine labs + stress test
- d) History +c/e + routine labs + V/Q scan

193. History of trauma with a stab injury to the right lower chest with low BP and low pulse rate. It can be improved with IV fluids and after resuscitation in the trauma center patient's BP becomes normal. A chest X-ray showed clear lung fields. What will be the next step-

- a) EFAST
- b) Keep immediate chest tube
- c) CECT abdomen
- d) CECT chest

194. In a patient with parathyroid adenoma, how do we confirm the removal of the correct gland after surgery?

- a) 50% reduction in PTH after 10mins
- b) 50% reduction in PTH after 5mins
- c) 25% reduction in PTH after 10mins
- d) 25% reduction in PTH after 5mins

195. Flap commonly used in breast reconstruction is?

- a) DIEP based on deep inferior epigastric vessels
- b) TRAM based on superior gluteal vessels
- c) Gluteal flap based on thoracodorsal artery
- d) Latissimus dorsi flap based on the inferior epigastric artery

196. A 30-year-old man is presented with cramping gluteal pain after walking 500m. Which is the vessel involved during this?

- a) Arterial disease with aortoiliac involvement
- b) Arterial disease with femoral artery involvement
- c) Femoral venous insufficiency
- d) None

197. Which is the most common pancreatic endocrine neoplasm?

- a) Insulinoma
- b) Gastrinoma
- c) VIPoma
- d) Glucagonoma

198. An elderly man with a long-standing mole over the face which is increasing in size and showing irregular borders. What will be the diagnosis?

- a) Superficial spreading melanoma
- b) Lentigo maligna
- c) Acral melanoma
- d) Nodular melanoma

199. Which parameter conclusively rules out malnutrition?

- a) Edema
- b) Lean body mass
- c) Skinfold thickness
- d) Normal ECF volume

200. A 2 years baby with 6.7 kg, Hb%- 6 mg/dl total protein 3mg/dL, low albumin with distended stomach but no proteinuria. What will be the diagnosis?

- a) Marasmus
- b) Kwashiorkor
- c) Indian childhood cirrhosis
- d) None

201. In RDS in a child, which cells are found defective?

- a) Type 1 pneumocytes
- b) Type 2 pneumocytes
- c) Bronchial epithelium
- d) None

202. Cause of greenish-black stool in a neonate -

- a) Meconium
- b) Biliverdin
- c) Bilirubin
- d) Urochrome

203. A term baby on breastfeeding with bilirubin 14mg/dL which of the following is true?

- a) Exchange transfusion
- b) Continue to breastfeed

- c) Phototherapy
- d) None

204. True hermaphroditism karyotype:

- a) 45 XO streaked gonads
- b) 46 XX Ovotestis
- c) 47 XY+9
- d) 47 XX

205. APGAR score 3 at 1 minute indicates:

- a) Mildly depressed
- b) Further resuscitation not needed
- c) Severely depressed
- d) Normal

206. A woman developed pain and crawling sensation on her legs at night. Clinical history of restless leg syndrome. Drug of choice?.

- a) Pramipexole
- b) Gabapentin
- c) Vitamin B12
- d) Iron tablets

207. History of Arthritis involving 1st MCP joint, other PIP & DIP joints, spares wrist and ankle. What could be the diagnosis

- a) Osteoarthritis
- b) Rheumatoid arthritis
- c) Psoriatic arthritis
- d) Gout

208. 12 yr old Child admitted to ICU with blunt trauma and femur fracture- Pao₂ 60% despite 100%o₂ and rebreather mask, CXR shows lung fields clear but the patient remains confused. What is most likely the diagnosis -

- a) Pulmonary contusion.
- b) Fat embolism syndrome.
- c) Hypovolaemic shock.
- d) Pulmonary embolism.

209. A 4 yr old child while playing suddenly spun around his elbow from her servant maid's hand and now continuously crying not allowing anyone to touch his elbow. He is keeping his elbow extended .what is most likely the diagnosis -

- a) Radial head fracture
- b) Pulled elbow
- c) supra condylar fracture

d) Elbow dislocation

210. A sexually active female with the profuse frothy foul-smelling discharge with intense itching. Strawberry cervix revealed on examination. What will be the diagnosis?

- a) Trichomonas vaginalis
- b) Bacterial vaginosis
- c) Candidiasis
- d) None

211. 33 yr old female with heavy menstrual bleeding for 6 months comes to the gynaecology OPD. On examination, no abnormality was seen. USG also appeared normal. The patient was tried to be managed on non-hormonal treatment but it failed. What will be the next management step?

- a) Hormonal therapy
- b) Endometrial sampling
- c) Hysterectomy
- d) Hysterectomy

212. Postmenopausal women 1st line of drug for osteoporosis is-

- a) OCP
- b) Bisphosphonates
- c) Raloxifene
- d) Strontium

213. Prolactin secreted maximum at-

- a) 24 hrs after delivery
- b) REM
- c) 2 hrs running
- d) 24 hour after Ovulation

214. All are used for postcoital contraception except-

- a) CuT
- b) Ru 486
- c) High dose estrogen
- d) Danazol

215. A patient delivered at home with a complete perineal tear came to the hospital after 2 weeks. What management will you prefer?

- a) Immediate repair
- b) Repair 3 weeks post-delivery
- c) Repair 6 weeks post-delivery

d) Repair 3 months post-delivery

216. In Modern obstetrics, for sensitized Rh-negative mother what should be done to evaluate the condition of the mother?

- a) MCA doppler peak systolic volume
- b) Fetal blood
- c) Amniocentesis
- d) Biophysical profile

217. A 7 weeks pregnant lady has 1 accidental exposure to x-ray. Which of the following should be done?

- a) Continue pregnancy
- b) Terminate pregnancy
- c) Chromosome analysis
- d) Pre invasive diagnostic testing

218. A 32-year-old woman complains of amenorrhea since the delivery of a baby 15 months previously, despite the fact that she did not breastfeed her baby. The delivery was complicated by excessive hemorrhage that required a transfusion of 2.5 liters of blood. She has also been fatigued and has gained an additional 4.5Kg since the baby was born.

Laboratory data show the following:

Serum LH < 1 IU/L (normal, 4-24 IU/L)

Serum estradiol 5 pg/mL (normal, 20 - 100 pg/mL)

Serum TSH 0.1 mU/L (normal, 0.5 - 5 mU/L)

Serum GH 3 ng/mL (normal, < 5 ng/mL)

Serum ACTH 28 pg/mL (normal, 10 - 50 pg/mL)

Serum prolactin 2 ng/mL (normal, Injection of 500 µg of TRH failed to produce the expected rise in both serum TSH and prolactin. Which of the following diagnoses most likely explains the findings in this patient?

- a) Hashimoto's thyroiditis
- b) Isolated gonadotropin deficiency
- b) Isolated gonadotropin deficiency
- c) Primary amenorrhea
- d) Sheehan's syndrome

219. Meiosis occurs in

- a) Adult ovary
- b) Prepubertal testis
- c) At birth in ovary

d) All

220. DCDA twins, 38wks, first twin breech mother has BP 140/96, 1+ proteinuria what's the management

- a) Immediate LSCS
- b) Induction at 40 weeks
- c) Immediate induction and delivery
- d) Induction if signs of preeclampsia

221. A 36-week old pregnant lady with previous twin delivery. What is the Ovarian score?

- a) G2P1
- b) G2P2
- c) G3P2
- d) G3P3

222. Misoprostol used in the induction of labour is an analogue of which of the following type of prostaglandin?

- a) PG E1
- b) PG E2
- c) PG I2
- d) PG F2alpha

223. In early pregnancy clinical signs of feeling the cervix and the body of bulky uterus separated because of softened isthmus at 6 - 8 weeks of gestation :

- a) Goodell's sign
- b) Chadwick's sign
- c) Piskacek's sign
- d) Hegar's sign

224. 13 yr old child visit gynaecology OPD with a complaint of not attaining menarche with karyotype 46XX. On examination, clitoromegaly is seen. Which enzyme is most likely to be deficient in the above condition?

- a) 21 alpha-hydroxylase
- b) 11 beta-hydroxylase
- c) 17 alpha-hydroxylase
- d) 3 beta-hydroxysteroid dehydrogenase

225. A mother brought her 16-year-old daughter to Gynaecology OPD with a complaint of not attending menarche. She gives H/O cyclic abdominal pain. On further examination midline, abdominal swelling seen. Per rectal examination

reveals a bulging mass in the vagina.

Which of the following can be most commonly seen?

- a) Imperforate hymen
- b) Transvaginal septum
- c) Vaginal agenesis
- d) MRKH

226. Which of the following is not an estrogen-dependent pubertal change?

- a) Hair growth
- b) Menstruation
- c) Vaginal Cornification
- d) Cervical mucus

227. A 22-year-old primigravida visits ANC OPD with 20 weeks POG. On examination uterine height reveals a 16-week size. USG shows reduced liquor. What will be the diagnosis?

- a) Renal agenesis
- b) Fetal anemia
- c) Barter's syndrome
- d) Liddle syndrome

228. Most common site for Fertilization is-

- a) Ampulla
- b) Isthmus
- c) Intramural
- d) Fimbriae

229. Distension media used for hysteroscopy with bipolar cautery?

- a) Glycine
- b) NS
- c) Co₂
- d) Dextran 70

230. Best treatment option for septate uterus-

- a) Tompkins Metroplasty
- b) Jones metroplasty
- c) Strassmann metroplasty
- d) Transcervical hysteroscopic resection of the septum

231. A pregnant female had Meconium stained liquor and underwent emergency LSCS. A few days later her condition deteriorated. USG showed edematous bowels. What's the cause?

- a) Meconium peritonitis
- b) Paralytic ileus
- c) Adhesive intestinal obstruction

d) Intra-abdominal abscess

232. 18-year-old girl presents with 6 months of amenorrhea with h/o low-grade fever, weight loss, pain abdomen, generalized weaknesses. On PR examination, palpable left-sided pelvic mass felt...

Diagnosis is

- a) Fibroid with degeneration
- b) TB pelvis with Tubo ovarian mass
- c) Ectopic pregnancy
- d) Granulosa cell tumour

233. A Child is born, covered with a thick membranous coat, what could be the possible diagnosis?

- a) Lamellar ichthyosis
- b) X-linked ichthyosis
- c) Ichthyosis Vulgaris
- d) Ichthyosis acquista

234. Mouth to mouth respiration provides what percentage of oxygen ?

- a) 10%
- b) 16%
- c) 21%
- d) 100%

235. Cancer patient undergoes radiotherapy, pick the true statement for radiosensitivity of tissues?

- a) Rapidly dividing cells are resistant to radiation
- b) GI mucosa is one of the most radioresistant tissues in the body
- c) The intensity of radiation is inversely proportional to the square
- d) Small blood vessels are least resistant to radiation

236. Most common DRUG causing dependence?

- a) Cannabis
- b) Cocaine
- c) Heroin
- d) Amphetamine

237. MBBS student she was choking with dyspnea, chest tightness, anxiety and an impending sense of doom on examination all systemic conditions were found normal, then she went to psychiatry. What is the probable diagnosis of the condition?

- a) Panic disorder
- b) Depression

- c) Epilepsy
- d) Asthma

238. A patient with depression was given Imipramine for 2 weeks. Relatives noticed increased excitement, colourful clothes, increased talking. What is the next step in management?

- a) Antipsychotic with Imipramine continued
- b) Discontinue Imipramine and start Valproate
- c) Continue Imipramine alone
- d) Manage with Valproate alone

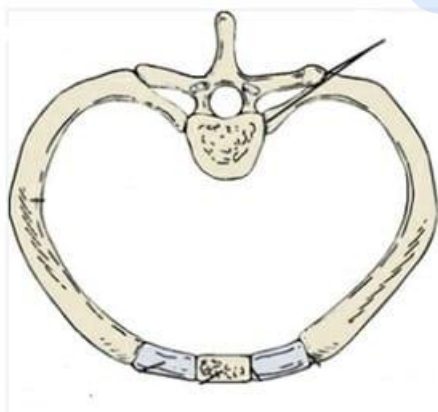
239. A Patient falls down often with behavioral change and enuresis. What is the condition associated with him?

- a) Frontotemporal dementia
- b) Normal pressure hydrocephalus
- c) Parkinson's disease
- d) Alzheimer's disease

240. A Patient with depressive symptoms for 6 months and associated with auditory hallucinations for 2 weeks. What is the probable diagnosis of the condition?

- a) Psychotic depression
- b) Schizoaffective disorder
- c) Mania depressive illness
- d) Schizophrenia

241. Identify the type of joint in the given Picture



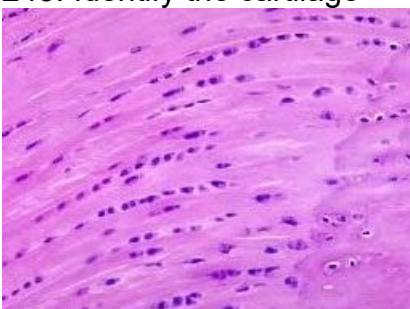
- a) Syndesmosis
- b) Synarthrosis
- c) Synovial joint
- d) Symphysis

242. Identify the muscle. What is its nerve Supply



- a) Dorsal scapular nerve
- b) Thoracodorsal nerve
- c) Spinal accessory nerve
- d) Suprascapular nerve

243. Identify the cartilage



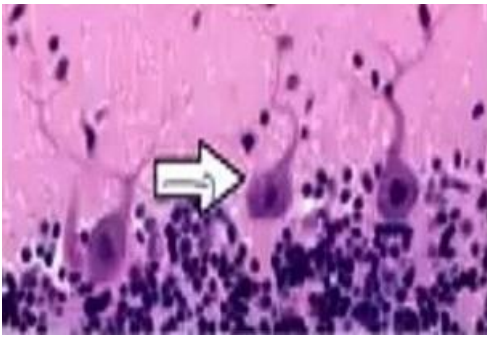
- a) Hyaline cartilage
- b) Elastic cartilage
- c) Articular cartilage
- d) Fibrocartilage

244. Identify the boundaries of the anatomical structure in the image



- a) Extensor pollicis longus
- b) Abductor pollicis longus
- c) Styloid process of the radius
- d) All of the above

245. Identify the cell type marked in the cerebellum?



- a) Basket cells
- b) Granule cells
- c) Golgi cells
- d) Purkinje cells

246. Identify the sleep wave marked in the EEG during the sleep-wake cycle?



- a) Stage 1 sleep
- b) REM sleep
- c) Stage 2 sleep
- d) Stage 3 sleep

247. Casal's necklace is seen in deficiency of:



- a) Vitamin A deficiency
- b) Niacin
- c) Iron deficiency anemia
- d) Vitamin B12 deficiency

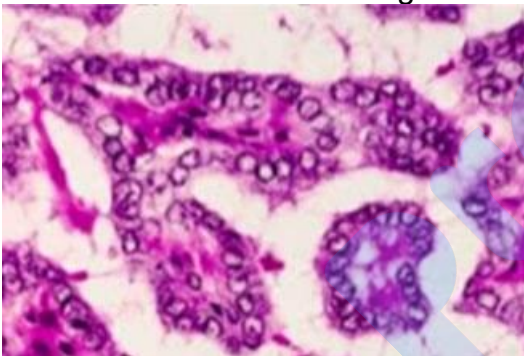
248. An Hiv positive patient with a CD4 COUNT OF 300/Cumm presents with mucosal lesions in the mouth as shown

in the figure. on microscopy budding yeasts and pseudohyphae are seen. A most probable diagnosis is?



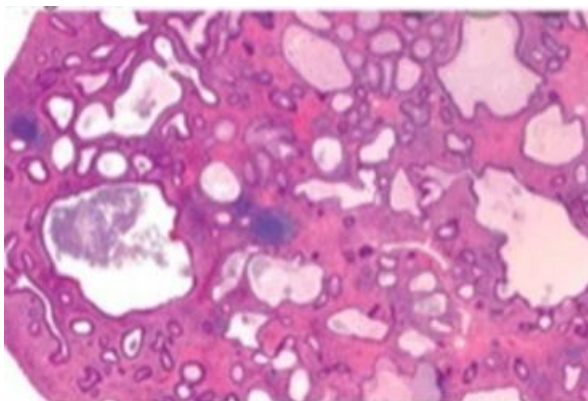
- a) Candidiasis
- b) Hairy leukoplakia
- c) Lichen planus
- d) Diphtheria

249. A 25-Year-old male presented with a 2cm thyroid nodule. A thyroidectomy was done. The histology picture is given below. what could be the diagnosis



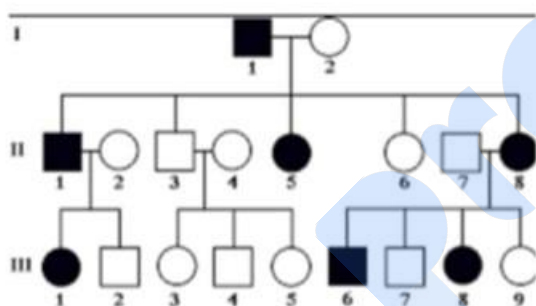
- a) Papillary carcinoma thyroid
- b) Follicular adenoma
- c) Graves disease
- d) Adenomatous goitre

250. A 5-year-old child presented with a history of blood in the stools. On examination, there was a polypoid mass in the rectum, a biopsy of which showed as below. A most probable diagnosis is?



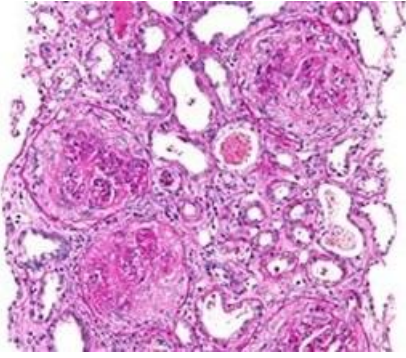
- a) Villous adenoma
- b) Juvenile polyp
- c) Vascular malformation
- d) Serrated adenoma

251. 25-year-old man presents for a routine physical examination. The patient is tall and on examination, he was found to have an early diastolic murmur. His family pedigree is given below. Which of the following is the mode of inheritance by which the disease is likely to be transmitted?



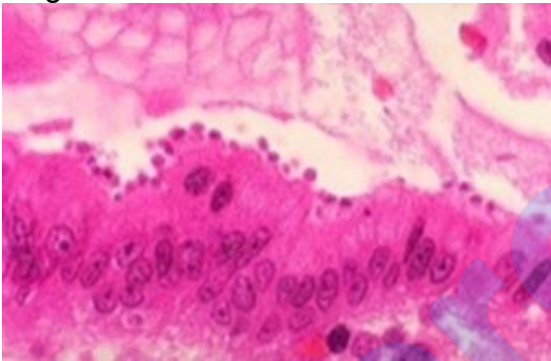
- a) AD
- b) AR
- c) XLR
- d) XLD

252. A 51-year-old person came with a complaint of hematuria. On examination, he was normotensive and had pedal edema. Investigations revealed the patient had no glucosuria and had a creatinine value of 9mg%. Renal biopsy is as shown below which of the following investigations one should do to identify the etiology of the disease?



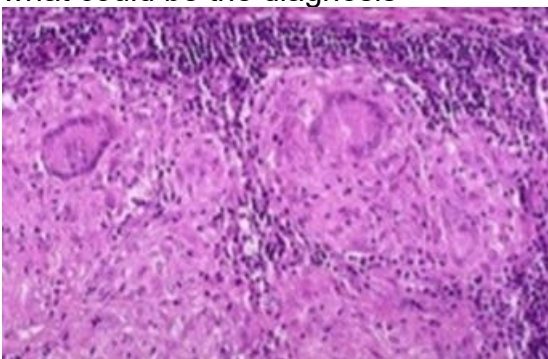
- a) ANA
- b) ANTI GBM antibodies
- c) HIV RNA
- d) Urine immunoelectrophoresis

253. A 35-year-old heterosexual patient diagnosed with HIV had a history of chronic watery diarrhea. A colonoscopic biopsy is shown below. A most probable diagnosis is?



- a) Giardia
- b) CMV
- c) Microspora
- d) Cryptosporidium

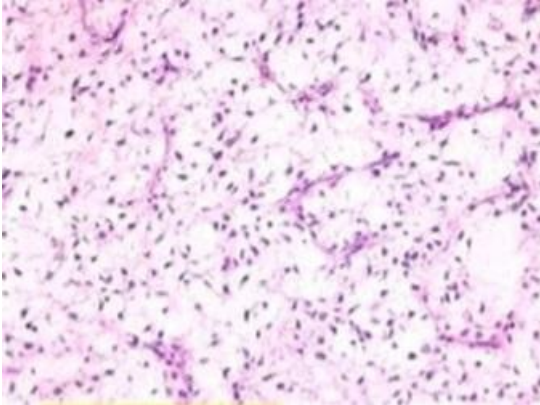
254. An 11-year boy presented with cough for 15 days on examination he was found to have cervical lymphadenopathy. lymph node examination showed below finding what could be the diagnosis



- a) Leprosy
- b) Sarcoidosis
- c) TB

d) Syphilis

255. A 40year old person presented with 10*8 swelling in a retroperitoneal, biopsy from the lesion is as shown below. Molecular analysis demonstrated t(12,16). A most probable diagnosis is



- a) Myxoid liposarcoma
- b) Lipoma
- c) Synovial sarcoma
- d) Pleomorphic sarcoma

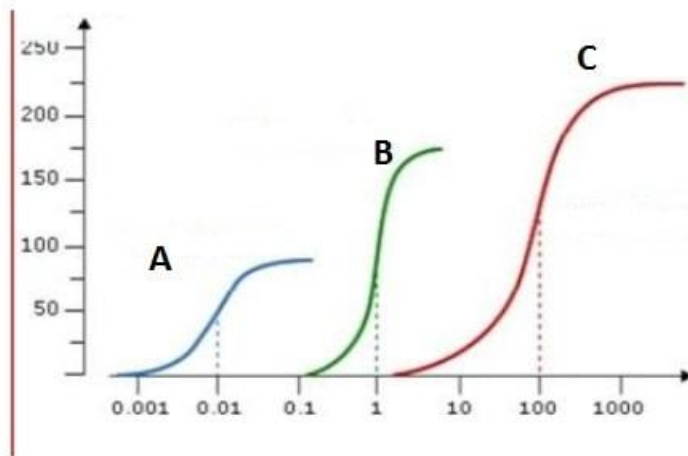
256. 47. 35-year-old woman with a long history of dyspnea, chronic cough, sputum production, and wheezing dies of respiratory failure following a bout of lobar pneumonia. She was not a smoker or an alcoholic. The lung autopsy is shown in the image. Which of the following underlying condition was most likely associated with the pathologic changes shown here?



- a) Mutation in dynein arms
- b) Cystic fibrosis
- c) Alpha 1 antitrypsin deficiency
- d) Antibodies against type 4 collagen

257. Graph showing three drugs A, B & C. Which of the following drugs shown in the graph below has the highest

potency?



- a) Drug A
- b) Drug B
- c) Drug C
- d) Both Drug A & B

258. In the following X-ray of the wrist, what is the exact age-



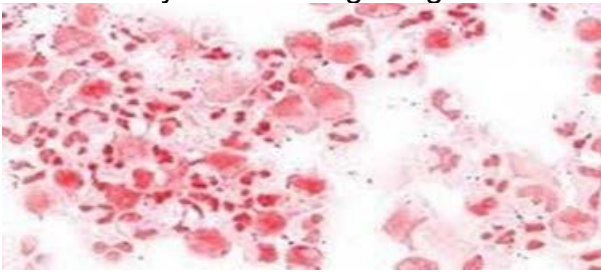
- a) 2 yrs
- b) 8yrs
- c) 6yrs
- d) 9 yrs

259. Identify the phenomena



- a) Electric Burn
- b) Crocodile Burn
- c) Scalds
- d) Putrefaction

260. Identify the following Image



- a) *Neisseria meningitidis*
- b) *Neisseria cinerea*
- c) *Neisseria gonorrhoeae*
- d) *Neisseria polysaccharea*

261. Identify the Image



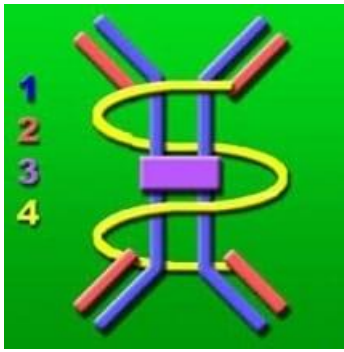
- a) *Trichuris trichiura*
- b) *Ancylostoma duodenale*
- c) *Paragonimus*
- d) *Strongyloides*

262. Identify the organism causing an infection on the upper arm



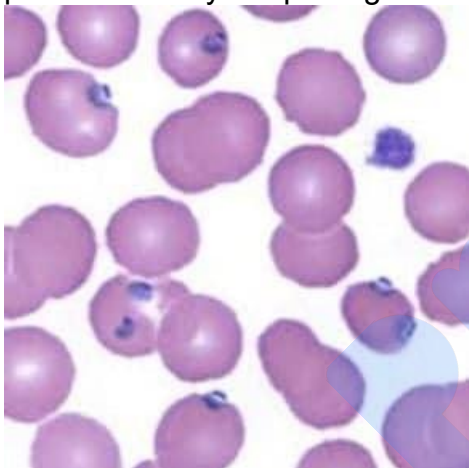
- a) *Tinea corporis*
- b) *Tinea capitis*
- c) *Tinea cruris*
- d) *Tinea manus*

263. Immunoglobulin Image shown below is of-



- a) IgA
- b) IgG
- c) IgM
- d) IgE

264. A 15 years old boy presented with fever and chills for 3 days. On examination, he was found to have delayed skin pinch time and dry oral mucosa. A peripheral blood smear revealed the following picture. Identify the pathogen involved?



- a) Babesia
- b) Plasmodium vivax
- c) Plasmodium falciparum
- d) Salmonella typhi

265. A patient complains about painful blisters around the angle of mouth identify the pathogen



- a) Herpes Labialis
- b) Herpangina

- c) Herpes zoster
- d) Epstein - Barr

266. A patient with the following feature shown in the image. The patient reports having another 3-year-old sibling at home, who is fully immunized as per the immunization schedule. what is the best measure to prevent diphtheria in the sibling of the diphtheria case child.



- a) Give diphtheria toxoid booster
- b) Give a full course of DPT vaccine
- c) Give prophylactic erythromycin
- d) Nothing is required to be done

267. The most common site of origin of the diverticulum of the pharynx seen in the barium swallow given below is



- a) Between stylopharyngeus and palatopharyngeus
- b) Between middle and inferior constrictor
- c) Between inferior constrictor and esophagus
- d) Between thyropharyngeus and cricopharyngeus

268. Battle sign image Bluish Purple colour behind mastoid?



a) Battle sign

- b) Bezold abscess
- c) Both A and B
- d) None of these

269. The patient presents with, fever, dysphagia. Image showing pushing tonsil. what is the diagnosis?



- a) Parapharyngeal abscess
- b) Retropharyngeal abscess
- c) Peritonsillar abscess
- d) Ludwig's angina

270. This patient gives a history of toothache for one week. What is the diagnosis:



- a) Acute parotitis
- b) Angioneurotic edema
- c) Ludwig's angina
- d) Parapharyngeal abscess

271. The movement is lost in:



- a) Third nerve palsy
- b) Trochlear palsy
- c) Sixth nerve palsy
- d) Facial nerve palsy

272. Identify the condition given below in the Image



- a) Peutz jeghers
- b) Juvenile polyp
- c) Villous adenoma
- d) Hyperplastic polyp

273. Barium Swallow examination is shown.
What can be the most probable diagnosis?



- a) Esophageal Ca
- b) Esophageal Ring
- c) Esophageal Tear
- d) Achalasia Cardia

274. Identify the condition given in the image below?



- a) Chronic lymphedema
- b) Cushing syndrome
- c) Osteoporosis
- d) None

275. Identify the condition given below-



- a) MCU with Bulbar urethral stricture
- b) MCU with penile stricture
- c) RGU with membranous stricture
- d) RGU with prostatic stricture

276. What is the use of the instrument given in the image below?



- a) Laparoscopic sterilisation
- b) Removal of ectopic pregnancy
- c) Termination of pregnancy
- d) Laparoscopic procedures to create pneumoperitoneum

277. Identify the image below:



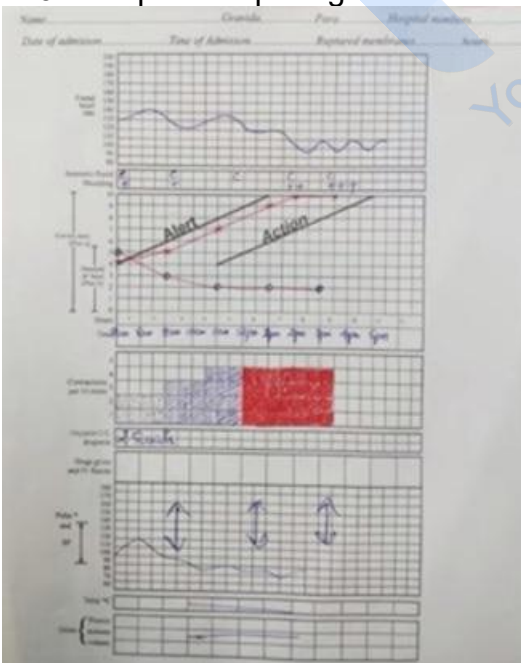
- a) Female condom
- b) Male condom
- c) Chaaya
- d) Today

278. What condition of the mother is associated with the following fetal anomaly?



- a) ACE inhibitor
- b) GDM
- c) Pregestational DM
- d) Valproate

279. Interpret the partogram.



- a) CPD
- b) Maternal exhaustion
- c) Inadequate uterine contractions

d) Rupture uterus

280. 60 yr female with a history of intermittent bleeding with USG pic shown below.



What is the diagnosis?

- a) Endometrial polyp
- b) Ca endometrium
- c) Submucosal fibroid
- d) None

281. What will be the Hysteroscopic finding in the given image?



- a) Bilateral Hydrosalpinx
- b) Bilateral cornual block
- c) Normal HSG
- d) Bicornuate uterus

282. A lady on treatment for infertility developed ascites, abdominal pain & dyspnea.

USG of the patient was done shown below. What will be the diagnosis?



- a) PCOS
- b) OHSS
- c) Theca lutein cyst

d) Mucinous cystadenomas

283. 5-year male child present to the clinic with H/O recurrent infection. On examination he was found to have rashes shown below in the image. On routine blood investigation, low platelet count was found. What will be the diagnosis?



- a) Wiskott Aldrich syndrome
- b) Job's syndrome
- c) Chediak Higashi syndrome
- d) None

284. The patient is presenting with the deformity of the finger as shown. The PIP is involved but the DIP is spared.



- a) Osteoarthritis
- b) Rheumatoid arthritis
- c) Psoriatic Arthritis
- d) Ankylosing spondylitis

285. What is the most likely diagnosis given in the image –



- a) Popeye's sign
- b) Griesinger sign

- c) Rising sun sign
- d) Winner sign

286. The patient is presenting with pain around the base of the thumb, tendons involved –



- a) APB & EBL
- b) APL & EPB
- c) APB & EPB
- d) APL & EPL

287. The shown angle in the image is known As



- a) Cobb's angle
- b) Bohler's angle
- c) Ferguson angle
- d) Baumann's angle

288. What is the diagnosis of 55 old women with a chronic low backache-



- a) Osteoporosis
- b) Hurler's syndrome
- c) Paget's disease
- d) Renal osteodystrophy

289. Identify the condition shown in the image?

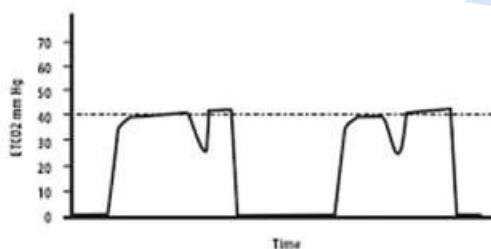


- a) Ichthyosis Vulgaris
- b) Syndromal ichthyosis
- c) Leprosy
- d) Sarcoidosis

290. The patient came with history of bullae involving >30 %A, body surface area along with erosions of the lips and other mucosae for the past 7 days. What is the most probable underlying etiology?

- a) Bacterial infection
- b) Viral infection
- c) Drugs
- d) Malignancy

291. Which of the following does the image of Capnograph below depicts?



- a) During inspiration
- b) Inspiration with cardiac oscillations
- c) During expiration
- d) spontaneous respiration

292. Identify the device shown in the image.



- a) Nasopharyngeal Airway
- b) Endotracheal Tube(Cuffed)
- c) Guedel Airway
- d) Laryngeal Mask Airway

293. Identify the condition in the X-ray given below-



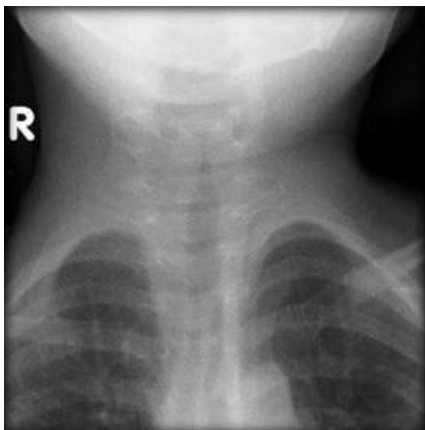
- a) TGA
- b) TAPVC
- c) TOF
- d) Ebstein's anomaly

294. A chest radiograph obtained a male with hypertension. What will be the diagnosis?



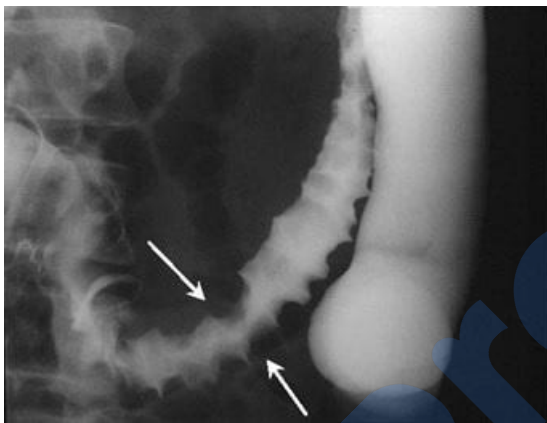
- a) Tetralogy of Fallot
- b) Ebstein's Anomaly
- c) TAPVC
- d) Coarctation of Aorta

295. Steeple sign is seen in which of the following condition?



- a) Acute epiglottitis
- b) Acute laryngotracheobronchitis
- c) Laryngeal papillomatosis
- d) Bilateral abductor paralysis

296. Identify the radiological sign given below-



- a) Diverticulitis
- b) Ischaemic colitis
- c) Appendicitis
- d) None

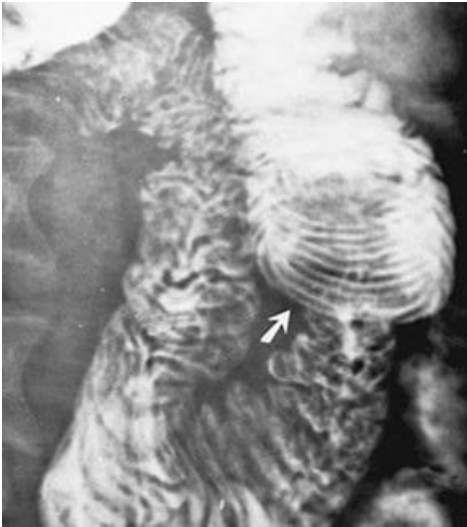
297. A middle-aged man with a swelling over the neck since childhood with the overlying skin not intact which had a bag or worm-like appearance with a black spot in the middle. What will be the diagnosis?



- a) Cirroid aneurysm

- b) Varicocele
- c) Plexiform neurofibroma
- d) Lymphangioma

298. Identify the radiological image given below-



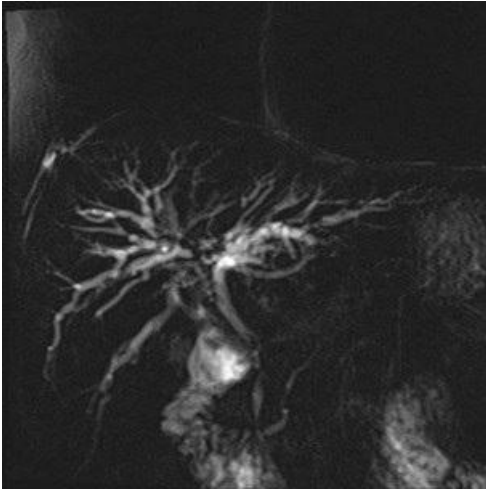
- a) Intussusception
- b) Carcinoma colon
- c) Sigmoid volvulus
- d) Sigmoid volvulus

299. Name the sign seen in the given below image represents-



- a) Mickey mouse sign
- b) String sign
- c) Tillaux sign
- d) Stemmer's sign

300. A 35-year-old male presents with recurrent episodes of abdominal pain, jaundice, and fatigue and underwent MRCP. What will be the most likely diagnosis?



- a) Primary biliary cirrhosis
- b) Caroli's disease
- c) Primary sclerosing cholangitis
- d) Oriental cholangitis