

1) Choose the correct sequence of muscle contraction in ejaculation?

- a) Ischiocavernosus contraction → urethralis → Bulbospongiosus
- b) Ischiocavernosus contraction → Bulbospongiosus → urethralis
- c) Bulbospongiosus → urethralis → Ischiocavernosus
- d) Bulbospongiosus Ischiocavernosus → urethralis

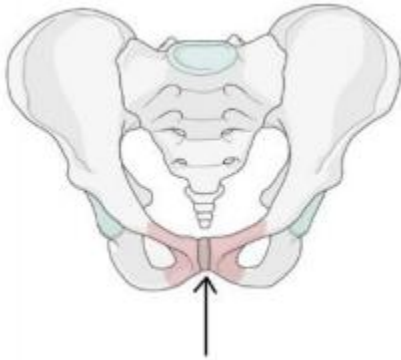
2) Deep inguinal ring is a defect in?

- a) External oblique muscle aponeurosis
- b) Internal oblique muscle aponeurosis
- c) Transversus abdominis muscle aponeurosis
- d) Transversalis fascia

3) Name the skin receptor responsible for detecting rapid vibration sense?

- a) Meissner corpuscle
- b) Paccinian corpuscle
- c) Merkel cell
- d) Ruffini's corpuscle

4) Which type of joint is present at the arrow mark shown in the diagram?



- a) Primary cartilaginous
- b) Secondary cartilaginous
- c) Fibrous
- d) Synovial

5) A lesion in left sided motor nucleus of facial nerve leads to?

- a) Right sided loss of wrinkles on forehead and right side corner of mouth goes down
- b) Right sided loss of wrinkles on forehead and right side corner of mouth goes up
- c) Left sided loss of wrinkles on forehead and left side corner of mouth goes down
- d) Left sided loss of wrinkles on forehead and right side corner of mouth goes up

6) Structure developing in dorsal mesogastrium?

- a) Lesser omentum
- b) Falciform ligament
- c) Spleen
- d) Liver

7) A patient developed the following deformity, after overhead weightlifting exercises. Which of the following muscle is involved?



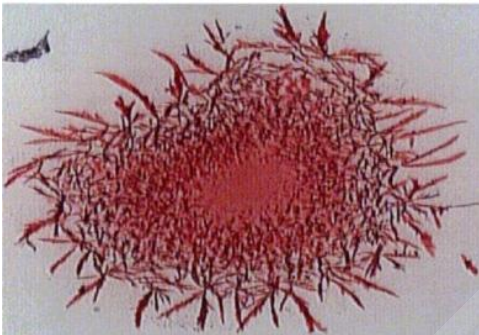
- a) Latissimus dorsi
 - b) Trapezius
 - c) Serratus anterior
 - d) Supraspinatus
- 8) Contralateral homonymous hemianopia with macular sparing occurs due to lesion at the level of?
- a) Optic nerve
 - b) Optic tract
 - c) Optic radiation
 - d) Orbital cortex
- 9) Posterior tibial artery pulse is felt?
- a) Between medial malleolus and medial border of tendo-calcaneus in inversion
 - b) Between medial malleolus and medial border of tendo-calcaneus in eversion
 - c) Between medial malleolus and lateral border of tendo-calcaneus in inversion
 - d) Between medial malleolus and lateral border of tendo-calcaneus in inversion
- 10) Patient underwent removal of left submandibular salivary gland, and lingual nerve was damaged. Which of the following statements is NOT correct?
- a) Sublingual gland secretions are reduced
 - b) Previous 2 / 3rd tongue taste sensation is lost
 - c) Sensation at the floor of mouth lost
 - d) Tongue deviated to left side
- 11) Ductus arteriosus develops from which pharyngeal arch artery?
- a) 3
 - b) 4
 - c) 5
 - d) 6
- 12) Which enzyme deficiency is seen in TaySach's disease?
- a) Hexosaminidase A
 - b) Glucocerebrosidase
 - c) G-6-PD
 - d) Hexosaminidase A & B
- 13) An Alcoholic patient presented with mental confusion, gait problem and ophthalmoplegia. Which vitamin deficiency is seen?
- a) B1
 - b) A
 - c) B9

- d) B12
14. A female patient with macrocytic anaemia, Homocystinuria & normal methylmalonate levels. Which vitamin therapy can help in this?
- a) Folate plus Vitamin B12
 - b) Folate
 - c) Vitamin A
 - d) Vitamin C
15. Macrocytic anaemia case with normal methyl-malonyl with increased level of homocysteine. What is the diagnosis?
- a) B9 deficiency
 - b) B12, 9 deficiency
 - c) Iron deficiency
 - d) Anaemia of chronic ds
16. A heart patient suddenly has chest pain. Which isoenzyme of LDH enzyme is elevated?
- a) LDH -1
 - b) LDH -5
 - c) LDH -2
 - d) LDH -4
17. Cofactor for Mitochondrial SOD (Superoxide Dismutase)?
- a) Mn
 - b) Cu
 - c) Zn
 - d) Mb
18. Nitric oxide is synthesized from?
- a) L-Hydroxy proline
 - b) Arginine
 - c) D-Histidine
 - d) Cysteine
19. Which of the following is involved in protein folding?
- a) Chaperone
 - b) Ubiquitin
 - c) Proline
 - d) Arginine
20. Which of the following is not given in a case of fatty liver disease?
- a) Choline
 - b) Ethanol
 - c) Folic acid
 - d) Methionine
21. 16 Years old girl was kidnapped. Police caught the accused and brought to the police station. After some time, the accused was found dead in the station. Inquest in this case should be done by?
- a) Executive Magistrate
 - b) Judicial Magistrate
 - c) Police
 - d) No inquest needed
22. Dowry Death inquest is according to which CrPC?
- a) 174
 - b) 175
 - c) 176
 - d) 304-B
23. Identify the fingerprint pattern shown in image?



- a) Loop
- b) Whorl
- c) Arch
- d) Composite

24) Identify the test that shows the following crystals?



- a) Teichman
- b) Takayama
- c) Florence
- d) Barberis

25. Which of the following is a true statement about dying declaration?

- a) If victim survives it is as such inadmissible
- b) Oath is administered while recording it
- c) Ideal person to record DD is the attending doctor
- d) Alteration of terms / phrases of dying person is allowed

26) In regard to a fetal death classification, a test was done to determine the cause which includes dipping the lung in to the water. Identify the test?

- a) Foderes
- b) Ploquets
- c) Hydrostatic
- d) Wredins

27) A patient is brought to casualty with history of snake bite with features as shown. During course of Treatment, the patient expires. The accused snake's photo was captured by relatives as shown in image. What could be the cause of death in this case?



- a) Shock
- b) Respiratory paralysis
- c) Circulatory failure
- d) Rhabdomyolysis

28. Identify the method of solvent abuse done with use of a plastic bag applied to mouth & nose?



- a) Bagging
- b) Huffing
- c) Glading
- d) Sniffing

29) Sexual gratification obtained through obscene telephone calls is called as?

- a) Scophophilia
- b) Scoptophilia
- c) Scatologia
- d) Voyeurism

30) A person was found dead in his apartment and the forensic team observed the scene and gave these noted details regarding injury that caused death. The injury over the vertebra has clean cut margins but the bones appeared to be crushed. What could be the correct option in this scenario?

- a) Incised
- b) Chop
- c) Lacerated
- d) Stab

31) Rotten egg odour is associated with?

- a) Arsenic
- b) Hydrogen sulphide
- c) Aluminium phosphide
- d) Phosphorus

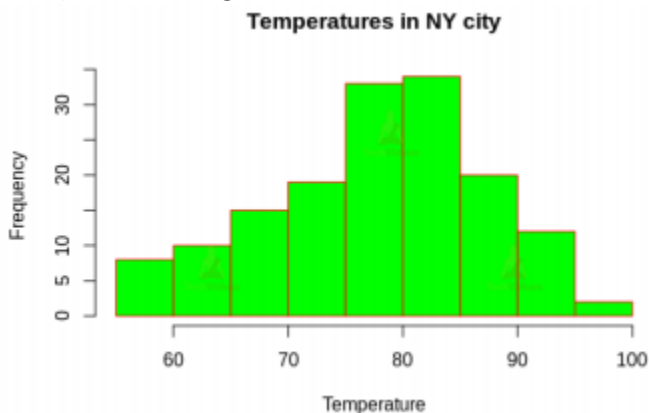
32) Minimum number of Antenatal visits required are?

- a) 3
- b) 4
- c) 5
- d) 6

33) A man came for health check-up after his father had a cerebrovascular accident who died last month. He was having the history of hypertension. Which type of prevention is this?

- a) Primordial

- b) Primary
 - c) Secondary
 - d) Specific protection
- 34) Mid-year population is taken on?
- a) 01 September
 - b) 01 June
 - c) 01 April
 - d) 01 July
- 35) Identify the Statistical diagram shown below?
- a) Histogram
 - b) Bar diagram
 - c) Frequency polygon
 - d) Scatter diagram



- 36) Identify the Logo shown below?
- a) AGMARK
 - b) PFA standards
 - c) Food Standards and Safety Authority of India (FSSAI)
 - d) Bureau of Indian Standards (BIS)



- 37) Regarding the School health service guidelines recommendations, which of the following statements is true?
- a) Minimum area 5 s ft. per student
 - b) Minus type desk
 - c) Can allot 60 students per classroom
 - d) Light coming from front of the expressed glass
38. Researcher was conducting study in relation of Depression associated with history of social media usage. One group had social media users with depression and another group had social media users without depression. Which type of study design is used?
- a) Cohort study
 - b) Case control study
 - c) Cross sectional study
 - d) Random sampling

- 39) Delphi technique used for collective opinion of?
- Population
 - Group
 - Community
 - Individual
- 40) A Researcher did study on staff, nurses and junior resident doctors doing yoga (Divided into male and female). Yoga shows 25% decreased risk of infections. Which is the best test to test the significance of the result?
- ANOVA
 - Chi square test
 - Z test
 - Correlation
- 41) A Researcher undertakes follow-up study for a certain time period duration, and tells that the people increasingly develop the disease with time, then it expressed as?
- Incidence
 - Cumulative incidence
 - Prevalence
 - Relative risk
- 42) All of following are Principles of Primary Health Care Except?
- Community participation
 - Appropriate facility
 - Intersectoral coordination
 - Equitable distribution
- 43) In different types of graphs, Secular trend of a Disease is best represented by?
- Line diagram
 - Bar graph
 - Box and whiskers plot
 - Stem leaf plot
- 44) Which of the following depicts Severity / lethality of disease?
- Proportional mortality rate
 - Case specific death rate
 - Case fatality rate
 - Total deaths due to that disease
- 45) In a hospital, systematic observation and recording of doctors spending time with patients care and time without patients' care is calculated for future management purposes. The type of management technique used here is?
- Network analysis
 - System analysis
 - Work sampling
 - Decision making
46. Definition of blindness, as per WHO?
- < 1/60 in better eye
 - < 1/60 in worse eye
 - < 3/60 in better eye
 - < 3/60 in worse eye
- 47) A 8-month-old child reported to a PHC with runny nose and fever since last 3 days. Rash started on face and then covered the trunk part of body. What's the most likely diagnosis?
- Measles
 - Chicken pox
 - Mumps
 - Rubella
- 48) Which of the following is NOT constrained by Time or Existing resources?
- Vision
 - Target
 - Goal
 - Mission

49) Newborn Health Mission component do not include?

- a) Target of infant mortality to double digit by 2030
- b) Antenatal care
- c) Postnatal visits
- d) Care during labor

50) Identify the Contraceptive shown in the Photograph given below?

- a) CuT 7
- b) CuT 220B
- c) CuT 380A
- d) NOVA-T



51) If you are posted as a Medical officer in an area under NVBDCP, and you will be advised to spray Malathion for malaria prophylaxis. What could be the probable decision you will take regarding frequency of Malathion spray?

- a) Once very fortnight
- b) Once every 3 months
- c) Twice every 3 months
- d) Once every month

52. A country is suspecting a severe disease. What's the probable time within which one should report it to WHO?

- a) 6 hours
- b) 12 hours
- c) 24 hours
- d) 48 hours

53. Least Iron content is present in?

- a) Beans
- b) Milk
- c) Spinach
- d) Liver

54. In an operation theatre, the nurse spilled blood on the floor. What can be used to disinfect it?

- a) Cresol
- b) 70% Ethyl alcohol
- c) Glutaraldehyde
- d) 1% Sodium hypochlorite

55. In a train accident, there were 74 dead, 64 were severely injured, 20 moderately injured and 32 mildly injured. Color coding in Triage Highest to Lowest category is?

- a) Green Yellow Red Black

- b) Yellow Red Green Black
 - c) Black Yellow - Red Green
 - d) Red - Yellow - Green – Black
- 56) A healthy person get in contact with an infected case, and they have to separate him not more than the incubation period of disease. This is called as?
- a) Absolute quarantine
 - b) Isolation
 - c) Interruption of transmission
 - d) Serial interval
57. A male underwent Vasectomy and after 3 months his wife got pregnant. What advice should have been given to him post-vasectomy?
- a) Abstinence for 3 months after the procedure
 - b) Usage of Barrier methods for 3 months after the procedure
 - c) OCPS usage for 1 month
 - d) Female condom usage for 1 month
- 58) First investigation for TB Diagnosis?
- a) Chest X-ray
 - b) Sputum smear examination
 - c) CB-NAAT
 - d) Liquid culture
59. In ORS, Sodium is given along with Glucose for?
- a) Reducing secretions
 - b) Osmosis
 - c) Facilitative diffusion
 - d) Co-transport
- 60) A factory worker had a history of frequent exposure to groundnuts. Subsequently he develops Hepatocellular carcinoma. Most likely exposure association is?
- a) Ergot toxin
 - b) Aflatoxin
 - c) Sanguinarine
 - d) Pyrrolizidine alkaloids
- 61) A Medical officer examines workers in mines and suspected Silicosis. What should be his comments?
- a) It is reversible once we remove the cause
 - b) It takes 6-10 years to develop
 - c) Fibrotic changes in the lungs of the patient can be reversed
 - d) TB screening should be done at regular intervals
- 62) A person returning from malaria endemic country should continue chemoprophylaxis for how long?
- a) 1 week
 - b) 15 days
 - c) 4 weeks
 - d) 4 months
- 63) An infant is given Buffalo milk. It is superior because?
- a) High calories and high protein
 - b) Low calories and high protein
 - c) High calories and low protein
 - d) Low calories and low protein
- 64) Long term changes / sequelae of a disease are seen in?
- a) Secular trend of a disease
 - b) Cyclical trend of a disease
 - c) Disease changing its traits according to herd immunity in the population
 - d) Disease changing the symptoms as per seasons
- 65) A 5-year-old child came into OPD with fever, rashes on the body. There were rashes on the axilla and flexor surface with various macules, papules and vesicles. Rashes and blisters are in different stages and non- uniform. Most probable diagnosis is?

- a) Chickenpox
- b) Smallpox
- c) Epstein Barr
- d) Measles

66) Regular monitoring of visual acuity and fundus examination is required with the patient is being treated with which of the following DMARD?

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

67) A female presented with burning micturition and symptoms of UTI. Which fluoroquinolones is least likely to be effective?

- a) Ofloxacin
- b) Moxifloxacin
- c) Ciprofloxacin
- d) Levofloxacin

68) A patient with heart disease presented with breathlessness the features of the patient shown in images. Which of the following is used to treatment of oedema for this patient?

- a) ACE Inhibitor
- b) Na – K – 2Cl symporter inhibitor in loop of Henle
- c) Na – Cl symporter inhibitor in DCT
- d) Aldosterone in DCT



69) A patient with pancreatic carcinoma is on morphine for treatment of pain. After a few days, the pain is not relieved as much as earlier. What can be the likely reason for this?

- a) Decrease in absorption of morphine
- b) Pain intensity has increased
- c) Opioid receptors are up regulated
- d) Desensitization of Opioid receptors

70) A female patient presented with pain and redness in great toe. Serum uric acid level is 9.4 mg/dL. The physician prescribed a drug for the treatment. Which of the following enzyme is inhibited by this drug?

- a) Xanthine oxidase
- b) Thymidylate synthase
- c) phosphoribosyl transferase
- d) DHFR

71) A patient on anticancer therapy developed infection. Total leucocytes count of this patient was 2000/mm³, which of the following drug is effective?

- a) Oprelvekin
- b) Filgrastim
- c) Erythropoietin
- d) Romiplostim

72) A person presents with acute chest pain. Nitroglycerine was given sublingually and the pain relieved within 5 minutes. what is the mechanism of the drug?

- a) Release of nitric oxide
 - b) Release of Endothelin
 - c) Calcium channel Blocker
 - d) Beta channel Blocker
- 73) A 60-year-old man present to OPD with low backache. His PSA levels are 100 ng/ml. Which of the following drug is indicated?
- a) Somatostatin
 - b) Goserelin
 - c) Terlipressin
 - d) Testosterone
- 74) A patient with resting tremor was diagnosed to be of parkinsonism. Which of the following therapy is not indicated?
- a) Pramipexole
 - b) Rivastigmine
 - c) Dee Brain Stimulation
 - d) Levodopa + Carbidopa
- 75) A Pregnant female presented with burning micturition. A diagnosis of cystitis was made. which of the following drug will be useful for the treatment?
- a) Amoxicillin
 - b) TMP - SMX
 - c) Ciprofloxacin
 - d) Doxycycline
- 76) A patient has pain in facial nerve distribution while chewing and speaking, which of the following drug should be given for treatment?
- a) Lamotrigine
 - b) Phenobarbitone
 - c) Haloperidol
 - d) Carbamazepine
- 77) Which of the following is a true statement regarding Aliskiren?
- a) It is contraindicated in diabetes mellitus
 - b) It is indirectly increase renin levels
 - c) It is given in pregnancy
 - d) It increases the aldosterone levels
- 78) Which of the following drug is used as radio sensitizer in head and neck cancers?
- a) Cisplatin
 - b) Amifostine
 - c) Paclitaxel
 - d) Doxorubicin
- 79) A 20-year-male is on low dose of oral steroid therapy for the last 10 years, now he develops progressive loss of vision in both the eyes. What is the reason?
- a) Glaucoma
 - b) Cystoid macular edema
 - c) Cataract
 - d) Retinal detachment
- 80) For the treatment of acute migraine attack, a patient took some medicines. After that he develops change in colour vision and numbness in the tip of the thumb. What is likely drug responsible and its treatment?
- a) Sumatriptan
 - b) Dihydroergotamine
 - c) Propranolol
 - d) Phenoxybenzamine
- 81) A child presented to emergency with GTCS since 30 minutes. Airway has been secured but the child is still having seizures. What is initial treatment to control the seizures?
- a) Valproate
 - b) Diazepam
 - c) Phenobarbitone

- d) Levetiracetam
- 82) A Person from non-endemic area visited India and was given prophylaxis for malaria. How long the person should continue after travelling from India?
- a) 7days
 - b) 15days
 - c) 4weeks
 - d) 4 months
- 83) A child took several iron tablets. What is the antidote for poisoning?
- a) BAL
 - b) EDTA
 - c) Penicillamine
 - d) Desferrioxamine
- 84) Adrenaline acts via beta 2 receptors cause bronchodilatation where histamines act on H1 receptors to cause bronchoconstriction. Which type of antagonism it is?
- a) Physical
 - b) Chemical
 - c) Pharmacological
 - d) Physiological
- 85) A Person having a history of angina and heart rate of 90 bpm and tense personality developed BP of 150/125. The preferred drug for treatment of hypertension?
- a) Enalapril
 - b) Amlodipine
 - c) Atenolol
 - d) Thiazides
- 86) A boy fell down while playing and the nose is deviated but septum was found normal, what is the next step done?
- a) Lower the edema then close reduction after 7 days
 - b) Closed reduction and automatically swelling decreases
 - c) Septo-rhinoplasty
 - d) Open reduction
- 87) A patient underwent removal of submandibular gland and lingual nerve was damaged during surgery. Which of the following is NOT correct?
- a) Rate of sublingual (or submandibular) secretion is reduced
 - b) Taste sensation of Anterior 2 / 3rd of tongue is lost
 - c) Sensation in floor of mouth lost
 - d) Tongue deviation
- 88) Syphilis affects which part of the nose?
- a) Bony septum
 - b) Lateral wall of nose
 - c) Floor of nose
 - d) Vestibule
- 89) A professional trumpet blower presents with left sided neck swelling. Following is the radiographic findings of the patient. What is the most likely diagnosis?
- a) Laryngocele
 - b) Laryngeal cyst
 - c) Thyroglossal cyst
 - d) Epiglottitis



90) Drug used for treatment of cystitis in pregnancy?

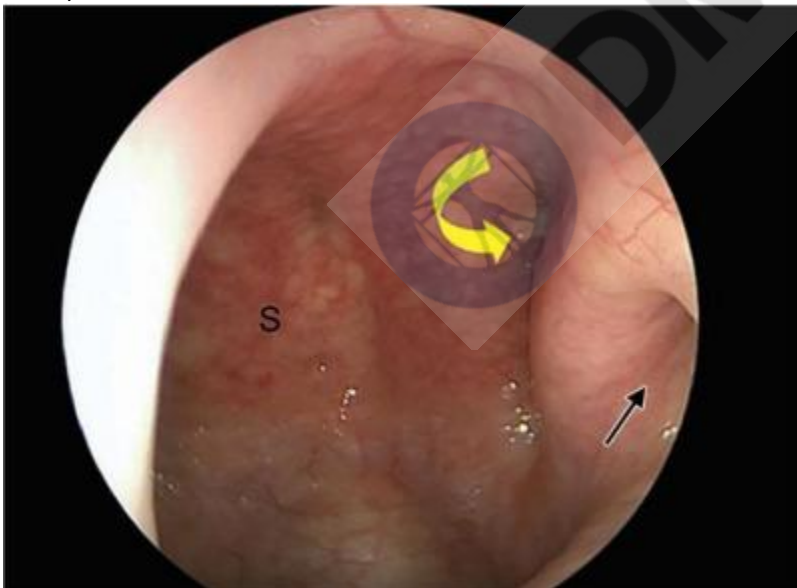
- a) Amoxicillin/ Ampicillin
- b) Ciprofloxacin
- c) Azithromycin
- d) Sulfonamides

91) Pharyngeal pouch is located between?

- a) Superior and middle constrictor
- b) Middle and Inferior constrictor
- c) Thyropharyngeus and cricopharyngeus
- d) Thyroid and cricoids

92) Endoscopic image is given. Identify the marked structure?

- a) Eustachian tube opening
- b) Torus tubaris
- c) Fossa of rosenmuller
- d) None



93) Hypopharyngeal carcinoma with involvement of the same side with no extension to the opposite side. What is the staging?

- a) T3 NO MO
- b) T4b NO MO
- c) T1 NO MO
- d) T4a NO MO

94. Reservoir sign and pain near mastoid antrum is seen in which of the following condition?

- a) Mastoiditis

- b) Acute otitis media
- c) otitis externa
- d) CSOM

95. All are true about the given picture. Except?

- a) Its usually a retention cyst
- b) Extravasation is not that common
- c) It is transluminant
- d) All are true



96) A 2-month old baby is having watery discharge / fluid leakage from umbilicus, this is due to?

- a) Failure of midgut to recanalize
- b) Failure of involution of allantoic duct
- c) Failure of involution of omphalomesenteric duct
- d) Failure of rotation of midgut

97) A paediatric patient presented with headache, ear discharge, fever, reservoir sign is present. what is the diagnosis?

- a) CSF otorrhea
- b) Acute mastoiditis
- c) Acute suppurative otitis media
- d) Otitis externa

98) A mother delivered 33 weeks old baby, via normal vaginal delivery with no complications at birth. What is the preferred method of feeding the neonate?

- a) OGT feeds
- b) Direct breast feeding
- c) Paladai feeds
- d) Parenteral nutrition

99) A 6-year-old child presented with abdominal pain, hematemesis and palpable spleen. He had a history of exchange transfusion for neonatal jaundice. What is the probable diagnosis?

- a) Budd Chiari syndrome
- b) Cirrhosis of liver
- c) Viral hepatitis
- d) Portal vein thrombosis

100) A 1-year-old child presents with 1st episode of wheeze and breathing difficulty. Chest X-ray shows bilateral hyperinflation. Which of the following can be a causative organism for this case?

- a) RSV
- b) S. pneumoniae
- c) H. influenza
- d) Coxsackie virus

101) True regarding buffalo milk composition when compared to human milk?

- a) High calorie, high protein
- b) Low calorie, low protein

- c) High calorie, low protein
- d) Low calorie, high fat

102) A 3-month old child presents with complaints of fever, cough, not able to feed and breathing difficulty. On examination, respiratory rate was 58 / min, chest retractions were present. What would be your next step of Management?

- a) Severe pneumonia - Give antibiotics and refer immediately
- b) Very severe pneumonia and refer urgently
- c) Pneumonia -Start antibiotics and send child home
- d) No pneumonia

103) All of the following are components of TOF except?

- a) Overriding aorta
- b) Sub-pulmonic stenosis
- c) VSD
- d) Tricuspid stenosis

104) A neonate was found to have Grimace on inserting a catheter into nose, some flexion of limbs was noted. Heart rate - 120 / minute, Blue extremities were noted with irregular breathing. Find out the APGAR Score?

- a) 4
- b) 6
- c) 8
- d) 10

105) A patient's mother while bathing her child noticed there was no testes in the scrotum and on examination- one right testes was in Inguinal region and left was in perineum. What is the DIAGNOSIS?

- a) bilateral undescended testes
- b) bilateral ectopic testes
- c) right undescended and left ectopic testes
- d) left undescended and right ectopic testes

106) A 4-year-old child presented with fever, running nose and following lesions. Probable aetiology?

- a) HSV 1
- b) HSV 2
- c) Coxsackie virus
- d) Streptococci pneumonia

107) A patient of 23 years came to the clinic with a known history of myopia with -2 D in left and -3 D in the right eye. He is sent for retinoscopy. What is the movement of retinal reflex in the right eye?

- a) It moves in the same direction of the retinoscope
- b) It moves in the opposite direction of the retinoscope
- c) Vertical movement is having wider reflection and moves in the opposite direction
- d) There is no movement of the reflex

108) Identify the clinical condition from the skin finding as given below?

- a) Chicken pox
- b) HSV
- c) HPV
- d) Measles



109) Which curvature develops after the baby starts to walk?

- a) Primary cervical curvature
- b) Secondary sacral curvature
- c) Primary sacral curvature
- d) Secondary lumbar curvature

- 110) A mother complains that her baby is not drinking properly from breast and now complaints of pain and swelling of the breast. Probable condition?
- Breast abscess
 - Mastitis
 - Breast engorgement
 - Sore nipple
- 111) In a paediatric patient with seizure which drug is initially used in management?
- Diazepam
 - Phenytoin
 - Phenobarbitone
 - Haloperidol
- 112) A 54-year-old female patient with the history of Amenorrhea for last 16 months. What should be the hormone levels identified in this patient?
- Increased LH, decreased FSH
 - Increased LH and FSH
 - High FSH, low LH
 - LOW LH AND FSH
- 113) In which of the following condition, MTP is not indicated?
- Medical: mother's life is in danger
 - Socioeconomic: Large family size
 - Eugenic: coming baby is handicap
 - Failure of contraception
- 114) A 40 years old female with severe cardiac compromise, she had to undergo an operation for which the surgeon gave clearance, which of the following surgery must not be done?
- Total hysterectomy
 - Subtotal hysterectomy
 - Vaginal hysterectomy
 - Laparoscopic hysterectomy
- 115) What is the first sign of $MgSO_4$ toxicity?
- Respiratory depression
 - Loss of patellar reflex
 - Cardiac arrest
 - Absent urine output
- 116) A mother brings her 18-year-old child with complaints of not attained menarche. GPE shows normally developed breast and pubic hair. On examination vaginal ending is blind and uterus not palpable. What is the next line of investigation?
- USG
 - T3, TSH
 - Estrogen and Progesterone
 - FSH and LH
- 117) A Female patient came with c/o pruritis, greenish discharge per vaginum. What is the causative organism?
- Trichomonas
 - Candida - curdy white discharge + itching
 - Bacterial vaginosis - Foul smelling greyish white + no itching
 - Chlamydia - mucopurulent endocervical discharge
- 118) A 14-year-old girl with well-developed secondary sexual characteristics but presents with amenorrhea. What is the treatment you will prefer next?
- Wait and Watch
 - Estrogen
 - Give ADH
 - GnRH
- 119) 33-year-old unmarried female presents with the complaint of amenorrhea and fainting. what is the next step you should perform in this patient?
- UPT (urine pregnancy test)

- b) Endoscopic Biopsy
- c) D and C
- d) Hysteroscopy

120) A female in labor is having occipital posterior position. The cervix gets 8cm dilated, forceps applied in occipitomandibular direction and tried to rotate, but doctor is not able to rotate. In which type of pelvis, the fetal head cannot be rotated?

- a) Android pelvis
- b) Anthropoid pelvis
- c) Platypelloid pelvis
- d) Gynecoid pelvis

121) Female having 14 weeks of missed abortion. Which is the agent of choice to be used in this condition?

- a) Mifepristone
- b) Misoprostol
- c) Oxytocin
- d) Methotrexate

122) A 35yr old Female presented with 14 week of gestation with bleeding per vaginum, doctor started misoprostol with dose 200 mcg. How much maximum dose can be given?

- a) 3
- b) 4
- c) 5
- d) 6

123) Cervical cancer is caused by which type of virus?

- a) HPV
- b) HIV
- c) HBV
- d) EBV

124) What is shown in the following image?

- a) Polyhydramnios
- b) Endometriosis
- c) Endometritis
- d) Mucinous ovarian adenoma

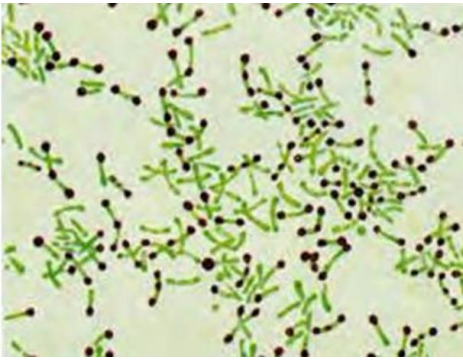


125) A Young Female is having inserted IUCD 6 months ago. Now she has presented with the complaints of amenorrhea and fainting since two cycles. What may be the cause for this condition?

- a) PID
- b) Endometriosis
- c) Ectopic pregnancy
- d) Failed contraception

126) Identify the given non spore forming bacteria?

- a) Clostridium difficile
- b) Clostridium perfringens
- c) Clostridium tetani
- d) Corynebacterium diphtheria



- 127) A primigravida is in labor from last 12 hours with tender and rigid uterus. Fetal head not palpable, loss of Fetal movements. what is the most appropriate diagnosis?
- Abruptio placenta
 - placenta previa
 - polyhydramnios
 - Prom
- 128) A female with C-Section delivery, the baby was seeming to be normal but the placenta was morbidly adherent, what could be the reason for this condition?
- absence of nitabuchs membrane
 - absence of decidua parietalis
 - absence of syncytiotrophoblast
 - absence of cytotrophoblast
- 129) A 37 weeks of pregnant female came with the complaint of bleeding per vaginum associated with pain. the fetal heart rate was absent and uterus is tender. what is the diagnosis and management for this patient?
- Placental abruption and normal vaginal delivery
 - Placental abruption and LSCS
 - Placenta previa and normal vaginal delivery
 - Placenta previa and LSCS
- 130) Hormone responsible for Lactogenesis?
- Oxytocin
 - GH
 - Estrogen
 - Progesterone
- 131) A pregnant lady delivered a child and after 24 hrs later she came with complaint of heavy bleeding. What might be the cause for the bleeding in this patient?
- Battledore placenta
 - Succenturiate lobe
 - Velamentous placenta
 - Circumvallate placenta
- 132) Most common symptom seen in endometriosis is?
- Polymenorrhea
 - Dysmenorrhea
 - HMB
 - Amenorrhea
- 133) A 32-year-old female patient complaints on her 4th day of postpartum delivery of fever, dysuria, foul smelling discharge. what is the probable diagnosis in this patient?
- Puerperal sepsis
 - Thrombophlebitis
 - UTI
 - Endometritis
- 134) Auspitz sign is seen in?
- Pemphigus vulgaris
 - Psoriasis Vulgaris
 - Pustular psoriasis

d) DLE

135) Ulcer "with overhanging / undermined edges" in the neck region as shown in the image given below. Diagnosis?

- a) Tubercular lymph node
- b) Malignant Cervical lymphadenopathy
- c) Syphilis
- d) Reactive lymphadenopathy



136) Which mineral deficiency can lead to following condition?

- a) Zinc
- b) Iron
- c) Calcium
- d) Vitamin A



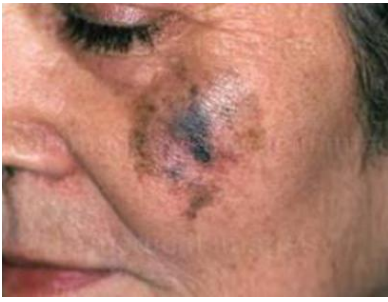
137. First line treatment for acne comedones?

- a) Topical steroid
- b) Topical antibiotics
- c) Benzyl peroxide
- d) Topical retinoids



138) Identify the condition shown in the image?

- a) Malignant melanoma
- b) BCC
- c) Squamous cell carcinoma
- d) Nevus



139) Which organism is responsible for causing erysipelas?

- a) Streptococcus
- b) Staphylococcus
- c) Bacteroides
- d) Fungus



140) Cutaneous horn as shown in the image is associated with which of the following skin cancer?

- a) Squamous cell carcinoma
- b) Melanoma
- c) BCC
- d) Actinic keratosis



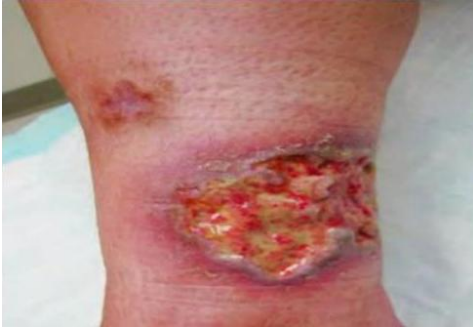
141) Identify the condition shown in the image?

- a) Condyloma acuminata
- b) Bowen disease
- c) Condyloma lata
- d) Hemorrhoids



142) Patient suffering from ulcerative colitis presents with ulcer on anterior leg as shown in the image. Diagnosis?

- a) Pyoderma gangrenosum
- b) Venous ulcer
- c) Tubercular ulcer
- d) Chancroid



143) Common complication associated with the following condition?

- a) Post streptococcal glomerulonephritis
- b) SSSS
- c) Encephalitis
- d) Pneumonitis



144) A tourist guide in Mt. Everest, after one of his trips developed blisters on the feet. Which is not useful for his treatment?

- a) Hyperbaric Oxygen
- b) Aspirin
- c) Phenylephrine
- d) Pentoxifylline



145) Patient presents with history of severe sunburn after only a few minutes in the sun (photo sensitivity), freckling in sun exposed areas, dry skin and changes in skin pigmentation. Diagnosis?

- a) Xeroderma pigmentosum
- b) Bloom syndrome
- c) Warts
- d) Melanocytes nevus



146. Child presents with sores in the mouth and a rash on the hands and feet as shown in the image below. What is the causative organism for it?

- a) Coxsackievirus A16
- b) Pox virus
- c) Herpes virus
- d) Human papilloma virus



147) Child presents with fever and pleomorphic rash as shown in the image. Diagnosis?

- a) Chicken pox
- b) Small pox
- c) Measles
- d) Rubella



148) A Normal individual underwent an evaluation of his cardiac tissue. Which isoform of lactate dehydrogenase is predominant in the cardiac tissue?

- a) LDH1
- b) LDH2
- c) LDH3
- d) LDH4

149) A patient has been diagnosed with a solid cancer of the bowel. He also experienced massive proteinuria after a few months of initial diagnosis of cancer. which of the following is a likely cause for the development of the urinary finding?

- a) Focal segmental glomerulosclerosis
- b) Minimal change disease
- c) Membranous Glomerulopathy
- d) MPGN

150. Which of the following contributes to the immortality of cancer cells?

- a) Topoisomerase
- b) Telomerase
- c) RNA polymerase
- d) Helicase

151) A patient died of myocardial infarction and his heart was taken out and immersed in a solution. The normal area of the heart turned brick red whereas infarcted portion turned white. Which of the following can be likely component of the solution?

- a) Formalin
- b) Triphenyl tetrazolium chloride
- c) Ethanol
- d) Glutaraldehyde

152. A patient presents with the presence of a thyroid swelling and weight loss the physician found presence of cervical lymphadenopathy in the same patient and decided to go in for a Thyroid biopsy. Histopathology report of the patient suggested the presence of cells with orphan Annie eye nuclei. Which of the following is a likely diagnosis for this patient?

- a) Follicular thyroid cancer
- b) Medullary thyroid cancer
- c) Papillary thyroid cancer
- d) Anaplastic thyroid cancer

153. A patient presented with development of seizures for which the CT guided biopsy was done. The histopathology reported presence of psammoma bodies. Which of the following is the most likely diagnosis of this patient?

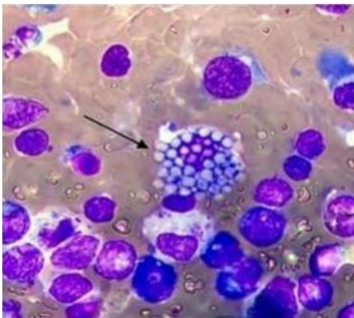
- a) Meningioma
- b) Astrocytoma
- c) Ependymoma
- d) Medulloblastoma

154. Which of the following is implicated in the development of angiosarcoma of the liver?

- a) Copper
- b) Zinc
- c) Arsenic
- d) Iron

155. An old man underwent a bone marrow examination which revealed the presence of the finding shown in the image. What is the likely diagnosis of the affected individual?

- a) Multiple myeloma
- b) ALL
- c) Tuberculosis
- d) Sickle cell disease



156) A 4-year-old child presents with development of fever, petechial spots and complaint of fatigue. He is also having presence of pallor, hepatosplenomegaly as well as sternal tenderness. The clinical situation described above is most correctly associated with which of the following?

- a) AML
- b) ALL
- c) CLL
- d) CML

157) A boy presents in the emergency because of development of allergy due to pollen inhalation. Which of the following cells is important in the pathogenesis of this condition?

- a) NK cell

- b) Neutrophils
- c) Helper T cell
- d) Cytotoxic T cell

158) Which of the following is the molecule required for presentation of the antigens by the antigen presenting cell to the TH2 cell?

- a) Toll like receptor
- b) MHC
- c) G protein coupled receptor
- d) Lectin receptor

159) Which of the following is the mode of inheritance in the patient suffering from color blindness?

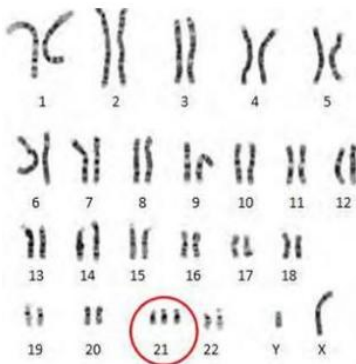
- a) Autosomal dominant
- b) Autosomal recessive
- c) X linked dominant
- d) X linked recessive

160) A patient has been diagnosed with a condition due to a DNA repair gene defect. He is having hyper pigmentation on the skin and high risk for development of skin cancers as per the physician. which of the following is a likely enzyme defect in the patient?

- a) Helicase
- b) Nucleotide excision repair defect
- c) ATM gene
- d) MSH gene

161) Which of the following is a likely diagnosis of the patient looking at the karyotype given in the image as Shown?

- a) Down syndrome
- b) Turner syndrome
- c) Klinefelter syndrome
- d) Edward syndrome



162) Which of the following amino acids is required for the formation of nitric oxide in the blood vessels?

- a) Citrulline
- b) Arginine
- c) Histidine
- d) Tryptophan

163) Macrophages play an important role in phagocytosis and chronic inflammation. Which of the following cells perform the same function in the liver?

- a) Merkel cell
- b) Sinusoidal cell
- c) Kupffer cell
- d) Hepatocytes

164) Which of the following is a characteristic feature associated with Barrett's oesophagus?

- a) Squamous metaplasia
- b) Intestinal metaplasia
- c) Columnar metaplasia
- d) Severe dysplasia

165) What is the suggestive diagnosis as per given image?

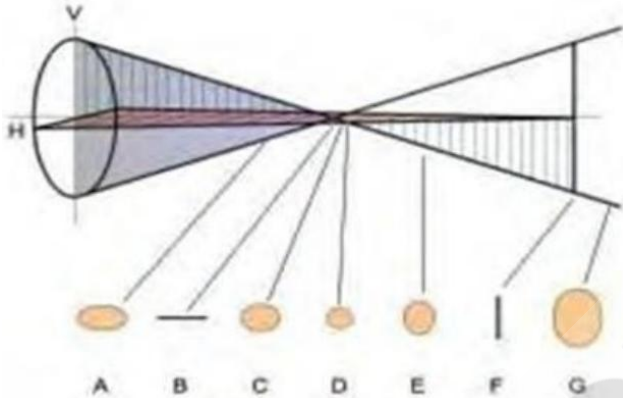
- a) Preseptal Cellulitis

- b) Impetigo
- c) Orbital cellulitis
- d) Conjunctivitis



166) The image indicates?

- a) Simple Myopia
- b) Irregular astigmatism
- c) Regular astigmatism
- d) Simple Hyperastigmatism



167) A 3-year-old child was brought to the ER with unilateral diagnosed as dacryocystitis. What is the first line of management in the given child?

- a) Massage
- b) Syringing and probing
- c) Dacryocystorhinostomy
- d) Dacryocystoplasty

168) A 60-year-old patient presented with right sided homonymous hemianopia with Macular sparing. Localise the neurological site of the lesion in this condition?

- a) Medial geniculate body
- b) Optic Tract
- c) Optic Chiasma
- d) Occipital cortex

169) In which chamber of the eye, given keratome is used in Phaco surgery?

- a) Anterior chamber
- b) Posterior chamber
- c) Sclera
- d) Lens



170. A 60-year-old woman comes to the emergency department due to a sudden onset of severe pain in her left eye with blurred vision, nausea, and vomiting. The symptoms began a few minutes ago, while she was watching a movie in a theatre. Her temperature is 36.8°C (98.4°F), blood pressure is 140/90 mmHg, pulse is 82/min, and respirations are 14/min. On examination, she reveals decreased visual acuity. Her left eye appears red, with a hazy cornea, shallow anterior chamber and dilated, fixed pupil. Her left eye is stony hard to touch, what is the most probable diagnosis?

- a) Primary open angle glaucoma
- b) Conjunctivitis
- c) Acute angle closure glaucoma
- d) Anterior uveitis

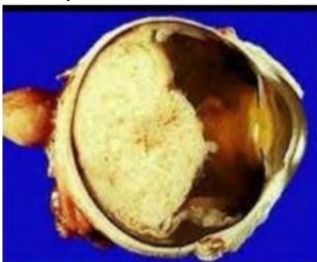


171) The patient was brought to the emergency. The patient was hit by a tennis ball.... And noted to have hyphema. What is the source of bleed in this patient?

- a) Anterior ciliary artery
- b) Posterior ciliary artery
- c) Major arterial circle of iris
- d) Minor arterial circle of iris

172) A 2-year-old child presented with leucocoria in the right eye since 2 months. On examination a total retinal detachment was present in the same eye. Ultrasound B scan revealed a heterogeneous sub-retinal mass with calcification. The most probable clinical diagnosis is?

- a) Coats – Disease
- b) Retinoblastoma
- c) Toxocariasis
- d) Retinal tuberculoma



173) Which of the following is Contra Indicated in Acute Intermittent Porphyria?

- a) Thiopentone
- b) Propofol
- c) Etomidate
- d) Ketamine

174) Identify the Following Instrument?

- a) LMA PROSEAL

- b) Tight Seal
- c) High Seal
- d) Classical LMA



175) Identify the Following Tube?

- a) Univalent tube
- b) Single Endo tracheal Lumen
- c) Double Lumen Endo tracheal Tube
- d) Ryles tube



176) A lady was taken for C-section operation. the duration of surgery was more than anticipated and the patient lands into post op hyperventilation. which of the following could be the reason for that?

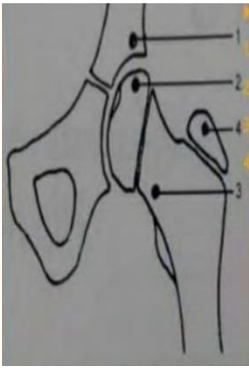
- a) High Spinal Anaesthesia
- b) Malingering
- c) Hypoxic Encephalopathy
- d) Cranial nerve palsy

177) A person was admitted into hospital for tibial fracture and a cast was applied. After 3 weeks the cast was removed and another cast was applied. The patient was given crutches and asked to walk. What is the stage of healing of the bone?

- a) Inflammation Phase
- b) Remodeling Phase
- c) Proliferative Phase
- d) Infiltration Phase

178) Most common Associated Site of Tb Infection?

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



179) Identify the condition?

- a) DDH (Developmental Dysplasia of Hip)
- b) Ankle Foot Arthrosis Brace
- c) Perthes Disease
- d) CTEV (Congenital Talipes Equino Varus)



180) A patient had trauma and was applied cast. On removal of the cast the doctor pressed the fracture site and described as movable or soft. True among the following?

- a) Patellar Cast with Soft Callus Formed
- b) Patellar Cast with Hard Callus Formed
- c) Patellar Cast with Bone Remodelling
- d) Patellar cast with hematoma.



181) All are true except?

- a) Most Common Infection of Finger
- b) Can Progress into Osteomyelitis
- c) Treatment Include Incision& Drainage and Antibiotics
- d) A Part of Nail Is Removed as Treatment Option



182) A parents brought child with the following image of thigh (image has protruded bone with discharge). Parents confirmed there is history of bone pain and discharge from the site prior to the protrusion. what could be the diagnosis?

- a) Acute Osteomyelitis
- b) Chronic Osteomyelitis
- c) Involucrum with Cloaca
- d) Osteosclerosis



183) A 45-year-old female came to outpatient department with complaints of pain fatigue. Diagnosed tumor of epiphysis?

- a) GCT
- b) Chondrosarcoma
- c) Osteosarcoma
- d) Ewings Sarcoma



184) What is the Diagnosis for the given?

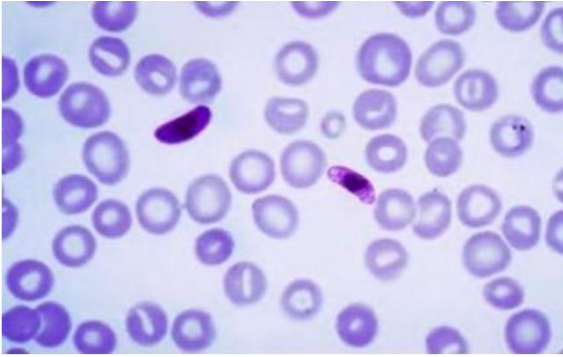
- a) Gall Stones
- b) Carcinoma of Gall bladder
- c) Mixed gall stones
- d) Porcelain gallbladder



185. Identify the given image?

- a) P. Vivax

- b) *P.falciparum*
- c) *P.malariae*
- d) *P.ovale*



186) Identify the give Image?

- a) *Teniasolium*
- b) *Trichuris spiralis*
- c) *Trichuris trichiura* eggs
- d) *Wuchereria bancrofti*



187) A 30-year-old patient of valvular heart disease is having fever for last 2 weeks. On physical examination the following features are noticed in this patient. Which of these will be the abdomen examination finding of this patient?

- a) Ascites
- b) Portal Hypertension
- c) Splenomegaly
- d) Renal artery Bruit

188) A 70-year-old man collapsed in his house and was rushed to the hospital. On arrival his ECG tracing was as shown below. Which of the following is the best intervention for this patient?

- a) Use of Automated external defibrillator
- b) Injection of Vasopressin 40 IU
- c) Injection of adrenaline 1 mg iv
- d) Injection of atropine 0.5mg iv



189) A 60-year-old woman presents with weakness in right arm for four hours' duration. The weakness gradually became lesser and resolves. She is a known case of Hypertension and BMI is elevated. Which of the following is the probable diagnosis of this case?

- a) Transient ischemic attack
- b) Compressive Neuropathy
- c) Transverse Myelitis
- d) Stroke

190) A 35-year-old recently divorced male is suffering from palpitations, headache and diaphoretic episodes on recurrent basis. He has visited the psychiatrist multiple times. What should be the next best step for management of this case?

- a) He should visit psychologist instead of psychiatrist

- b) Check for catecholamines levels to rule out pheochromocytoma
- c) Check for hyperthyroidism
- d) Increase dose of anti-anxiety medication

191) A patient has presented with gross abdominal distention and the following test is being performed. Comment on the finding being elicited?

- a) Fluid thrill
- b) Shifting dullness
- c) Puddle sign
- d) Hingorani sign



192) An elderly patient with Hypertension fell down in his bathroom. His BP was 220/110 on admission. Which of the following statements is correct about this patient?

- a) Start anti platelet drugs
- b) Platelets are transfused even if the platelet count is not low
- c) Reduce the BP to <120
- d) Putamen is the most common site

193) A 70-year-old man has recurrent episodes of exertional syncope and recurrent episodes of chest pain on climbing stairs. He was diagnosed as a case of valvular aortic stenosis. Which of the following is the radiological finding of XRC of this patient?

- a) Dilated aortic Root
- b) Widening of aortic knob
- c) Widening of vascular pedicle
- d) Post stenotic dilatation of aorta

194) Elderly Chronic alcoholic patient has presented to OPD today. The following findings were noted in the patient. What is the best investigation to be done in this patient?

- a) Plasma ascorbate levels
- b) Factor8 assay
- c) RBC transketolase activity
- d) Thrombin time



195) A patient presents with complaints of palpitations. On examination her heart rate is 110 / min with Respiratory rate of 10 / min. She tells you that her mother has recently expired due to renal cell cancer. What investigation would you perform to manage this case?

- a) Serum Hydroxy Indole Acetic Acid levels (H.I.A.A)
- b) Serum Catecholamines
- c) 24-hour Urine VMA (Vanillylmandelic acid) for 24 hours
- d) 24-hour fractionated Metanephrine levels

196) Comment on serological report of this hepatitis B patient IgG Anti HBc Positive HBsAg Negative HBeAg Negative Anti HBs positive?

- a) Acute hepatitis B, High infectivity
- b) Chronic hepatitis B, High infectivity
- c) Chronic hepatitis B, low infectivity
- d) Previous infection with hepatitis B

197) A 30-year-old female patient presented with pain in joints of hand with rash on dorsum of hand with extensive skin induration and skin tightening. Comment on the diagnosis?

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

198) A 40-year-old patient came to OPD with symptoms of excessive sleepiness and lethargy all the time. On physical examination the clinical features depicted in the images were seen. Per abdominal examination shows no free fluid in abdomen. Liver and spleen are not palpable. He tells of regular Alcohol consumption. Which is the most probable diagnosis?

- a) Hepatolenticular degeneration
- b) Alcoholic Cirrhosis
- c) Portal Hypertension
- d) Budd Chiari Syndrome



199) A 35-year-old woman presented with complaints of palpitations and weight loss. On examination sinus tachycardia is present, and the following lesion was noticed on the shin of the patient. What is the clinical diagnosis?

- a) Hypothyroidism
- b) Hyperthyroidism
- c) Filariasis
- d) Milroy disease



200) On Post-operative day 2, routine X-Ray of patient was performed. The patient is not complaining of any respiratory distress and is comfortable in hospital bed. On bilateral auscultation equal air entry is heard. What is the next step in management of patient?

- a) Wait and watch and give supplemental oxygen if required
- b) Perform needle thoracotomy urgently
- c) Do a thoracostomy with wide bore tube and under water seal
- d) Perform elective intubation and positive pressure ventilation

201) A 55-year-old man has chest pain on rest for last 6 hours. ECG was performed on admission and showed findings of myocardial ischemia. His biomarkers report was sent to lab for diagnostic workup. Which of the following will help in diagnosis?

- a) LDH1

- b) LDH2
- c) LDH3
- d) LDH4

202) A 50-year-old man presents with recurrent episodes of chest pain on exertion. He is diagnosed as a case of chronic stable angina. On routine monitoring BP is found to be consistently elevated. Which of the following is the best drug for management of this patient?

- a) Enalapril
- b) Amlodipine
- c) Atenolol
- d) Thiazides

203) A 30-year-old man has presented with complaints of fever for 3 days with SOB. On examination on right mammary area bronchial breathing is heard with normal air entry bilaterally. Comment on the diagnosis?

- a) Right lower lobe pneumonia
- b) Right middle lobe pneumonia
- c) Right sided hydro-pneumothorax
- d) Right sided Hydrothorax

204) What is the impression from the following CXR?

- a) Chemo-port device
- b) Pacemaker
- c) Artifact
- d) Travel tract for bypassing accessory pathway



205) Prophylactic CNS radiation is given for which of the following cancers?

- a) Liver cancer
- b) Small cell cancer of lung
- c) Prostate cancer
- d) Seminoma

206) An elderly patient fell in the bathroom in early morning hours and was rushed to the casualty. On arrival GCS is 9/15 and urgent NCCT head was performed. Comment on the diagnosis?

- a) Extradural hemorrhage
- b) Subdural hemorrhage
- c) Diffuse axonal injury
- d) Intracerebral haemorrhage

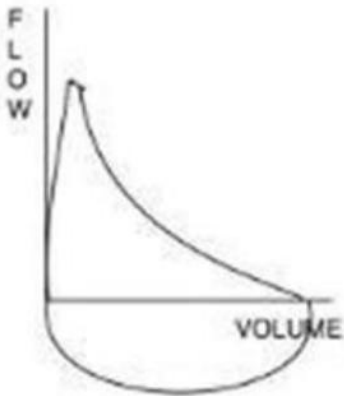
207) A young woman presents as shown below, which is triggered by cold temperatures or emotional stress. Episodes usually affect the fingers and toes along with numbness and pain in the affected areas. There is no underlying illness or comorbidity in the patient. Comment on the diagnosis?

- a) Primary Raynaud phenomenon
- b) Secondary Raynaud phenomenon
- c) Harlequin sign
- d) Ainhum



208) Comment on the diagnosis of the Flow volume curve shown below?

- a) COPD
- b) Interstitial lung disease
- c) Retrosternal Goiter
- d) Tracheal stenosis



209) A 28-year-old pregnant lady presents for routine antenatal check-up. Which Arterial Blood gas abnormality is expected to be present in this case?

- a) Respiratory acidosis
- b) Respiratory Alkalosis
- c) Metabolic Acidosis
- d) Metabolic Alkalosis

210) Rabies virus will use which kind of molecular motor to cause involvement of Central nervous system from the site of inoculation into the host?

- a) Dynein
- b) Kinesin
- c) Kinin
- d) Actin

211) A 31-year-old car driver was involved in an accident. He is brought to ER with complaints of breathlessness. On physical examination vitals are PR-110 / min, BP 90/60 mm Hg and temp of 37 degrees. Extensive bruising is noticed on right side of chest. An urgent bedside CXR was performed. What is the best management of this case?

- a) Thoracotomy
- b) Thoracostomy
- c) Elective intubation and PPV
- d) Fluid resuscitation

212) A 60-year-old woman a known case of lung cancer is having shortness of breath. On examination her neck veins are engorged showing gross elevation of JVP, Heart sounds are distant and breath sounds appear reduced on left side infra-scapular area. Requisition for CXR is done and is shown below. Comment on the diagnosis of the patient?

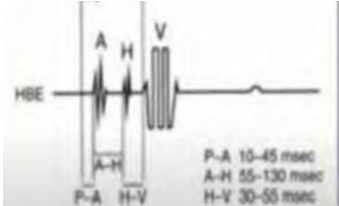
- a) Cardiac Tamponade
- b) Congestive heart failure
- c) Bilateral pleural effusion
- d) SVC Syndrome

213) An elderly patient with malignancy develops haematuria with dipstick performed on urine sample showing 4+ proteinuria. Which of these is the possible diagnosis of this patient?

- a) MGN
- b) MPGN
- c) FSGS
- d) Diffuse Glomerulosclerosis

214) In the given tracing shown below, HV interval denotes?

- a) AV intranodal conduction
- b) Septal Activation of bundle of His
- c) Antegrade conduction from Bundle of His to bundle branches
- d) Antegrade conduction from Bundle to His to Purkinje fibers



215) A 60-year-old patient has right sided homonymous hemianopia with macular sparing. Locate the neurological site of lesion in this patient?

- a) Optic chiasma
- b) Optic tract
- c) Medial geniculate body
- d) Occipital cortex

216) A 60-year-old man has presented with chronic projectile vomiting and significant weight loss. Which of the following electrolyte abnormality is seen in this patient?

- a) Hypokalemic hypochloremic Metabolic alkalosis with Hyponatremia
- b) Hypokalemic hypochloremic Metabolic alkalosis with Hypernatremia
- c) Hypokalemic hypochloremic Metabolic alkalosis with Hypercalcemia
- d) Hypokalemic hypochloremic Metabolic alkalosis with Hypomagnesemia

217) A 35-year-old patient with ulcerative colitis develops ulcer on the anterior compartment of the leg. Comment on the diagnosis of patient?

- a) Venous ulcer
- b) Erythema migrans
- c) Erythema Nodosum
- d) Pyoderma gangrenosum

218) A patient presented with back pain. Labs show a grossly elevated ESR, X- Ray skull shows multiple punched out lesions. Which is the most important investigation to be done for this case?

- a) Serum acid phosphatase
- b) CT head with Contrast
- c) PET scan
- d) Serum Electrophoresis

219) An AIDS Positive 30-year-old male patient has developed fever, vomiting and meningismus. Which of the following test: will have help in rapid diagnosis of Cryptococcal meningitis?

- a) India Ink preparation of CSF
- b) Blood Lateral flow assay for Cryptococcal antigen
- c) Blood culture
- d) CSF Cultures

220) A 30-year-old man who works in a glass factory presents with complaints of progressive shortness of breath on exertion. He is predisposed to development of which of the following?

- a) Histoplasmosis
- b) Tuberculosis
- c) Mesothelioma
- d) Pleural calcification

221) A 12-year-old girl has developed Acute Immune thrombocytopenic purpura (ITP) and is managed with steroids. There is recurrence of low platelet count once steroids were stopped. On current physical examination there is no petechiae or any physical evidence of bleeding. Which is the next line of treatment?

- a) Continue steroids as long they are effective
- b) Splenectomy is greater than 2 relapses
- c) Wait and watch as self-resolution will occur in most cases of acute ITP in children
- d) Rho Immunoglobulin IV

222) What is the primary defect in vitamin D resistant rickets?

- a) Defective phosphate absorption from gut
- b) Phosphate wasting from proximal renal tubule
- c) Defective Calcium absorption from gut
- d) Calcium wasting from proximal renal tubules

223) A 31-year-old alcoholic had his last drink 48 hrs ago. He develops anger and rage attacks and appears unable to identify faces of family members and can see inanimate objects. He has been brought to the ER. What is your diagnosis?

- a) Delirium tremens
- b) Alcoholic hallucinosis
- c) Korsakoff psychosis
- d) Wernicke's encephalopathy

224) A 25-year-old male patient is having loose stools 18 times per day and his urine frequency is reduced. What will be the correct finding of this patient?

- a) Urine sodium >40
- b) Kidney biopsy showing Glomerular damage
- c) Hyperosmolar urine
- d) Post renal azotemia

225) A 50-year-old lady with Hypertension was admitted with breathlessness in supine position and palpitations for last 4 days. On physical examination her heart rate is 120 / min with congested neck veins. Per abdomen shows liver palpable 3 cm below costal margin. The finding shown in the image below is?

- a) Deep vein thrombosis
- b) Superficial venous thrombophlebitis
- c) Pitting Pedal oedema
- d) Lymphedema



226) A 6-year-old boy has presented with multiple episodes of hematemesis. On admission his vitals are stable and splenomegaly is noted. The mother tells that at birth the boy had developed jaundice and an exchange transfusion procedure had been performed in the same hospital. Diagnosis is?

- a) Budd Chiari Syndrome
- b) Sinusoidal fibrosis
- c) Portal vein thrombosis
- d) Non cirrhotic portal fibrosis

227) A 6-year-old child weighs 12 kg. The urine output of the child is only 0.5ml / kg / hour for last 12 hours and serum creatinine has shown a doubling over the baseline. What is stage of AKI by KDIGO criteria?

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

AKI stage	Serum creatinine (SCr)	Urine output
1	1.5-1.9 times baseline	< 0.5 mL/kg/h for 6-12 hours
	OR ≥ 0.3 mg/dL increase	
2	2.0-2.9 times baseline	< 0.5 mL/kg/h for ≥ 12 hours
	3.0 Times baseline	
3	OR Increase in SCr to ≥ 4.0 mg/dL	< 0.3 mL/kg/h for ≥ 24 hours
	OR Initiation of RRT	
	OR Decrease in eGFR to < 35 mL/min/1.73 m ² in patients < 18 years	OR Anuria for ≥ 12 hours

228) A girl is having honey crust injuries on face which was diagnosed by her paediatrician as impetigo. She has now been brought your hospital with facial puffiness and not eating well. When you work up the patient, which of the following will be the most common finding encountered in this case?

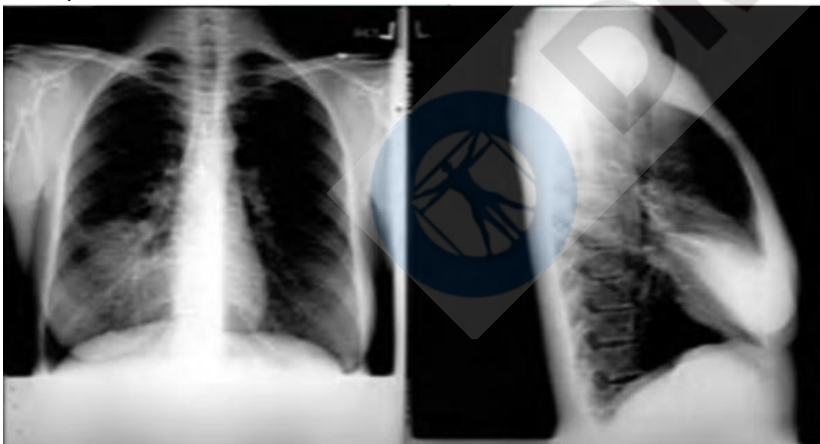
- a) RBC in urine
- b) Nephrotic range proteinuria
- c) Derangement of liver enzymes
- d) Focal neurological deficit

229) A 61-year-old known case of Diabetes mellitus has been noticed on laboratory work up to have microalbuminuria. What is the site of reabsorption of proteins in the ultra-filtrate?

- a) Podocytes
- b) Proximal convoluted tubule
- c) Distal convoluted tubule
- d) Collecting duct

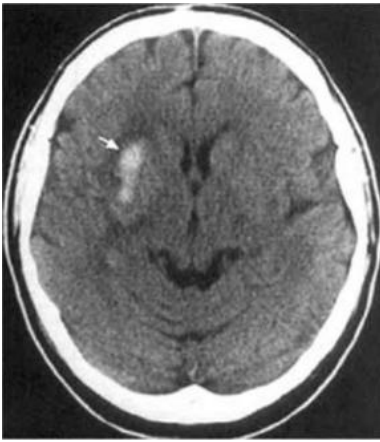
230) A 35-year-old patient presents with high grade fever, chills and cough with copious production of purulent sputum. An x-ray examination was made as shown in the image, what is the most likely diagnosis?

- a) Rt middle lobe consolidation
- b) Rt lower lobe consolidation
- c) Atelectasis
- d) Pneumothorax



231) An 65 yrs old hypertensive patient on irregular medication has headache and a BP-220/110, CT head is shown below?

- a) Intraventricular bleed
- b) Putaminal bleed
- c) Sub arachnoid hemorrhage
- d) Pontine hemorrhage



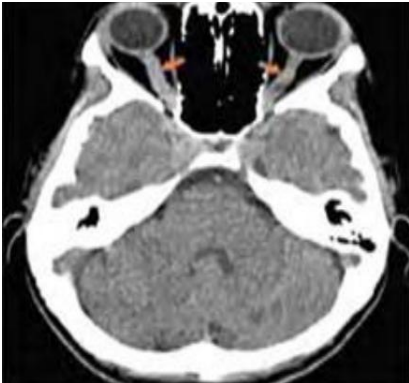
232) Pt with History of Recurrent UTI, the IVP image is given, Identify the location of insertion of ureter arising from left superior pelvis?

- a) Below and medial to trigone of bladder
- b) Above the dome of the bladder
- c) Prostatic urethra
- d) Perineum



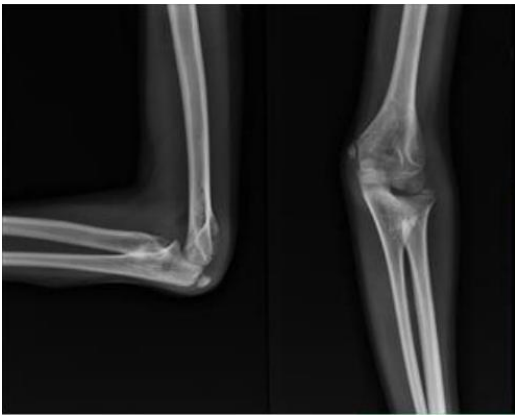
233) Identify the marked structure on CT head?

- a) Optic Nerve
- b) Optic Chiasma
- c) Optic tract
- d) P Superior Ophthalmic Artery



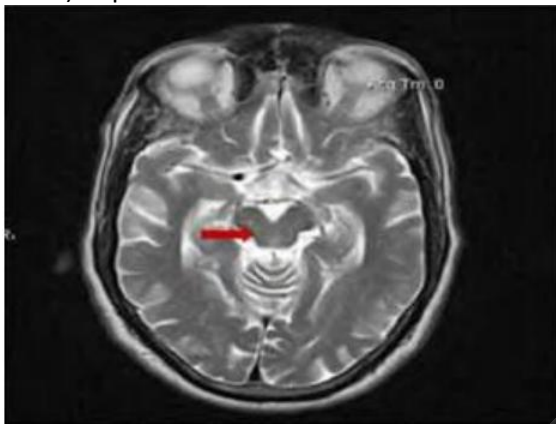
234) 5yr old boy is unable to pronate and supinate since childhood?

- a) Radioulnar synostosis
- b) Radial head dislocation
- c) Monteggia fracture
- d) Myositis ossificans



235) Identify the marked structure shown by the arrow?

- a) Pons
- b) Medulla
- c) Midbrain
- d) Spinal cord



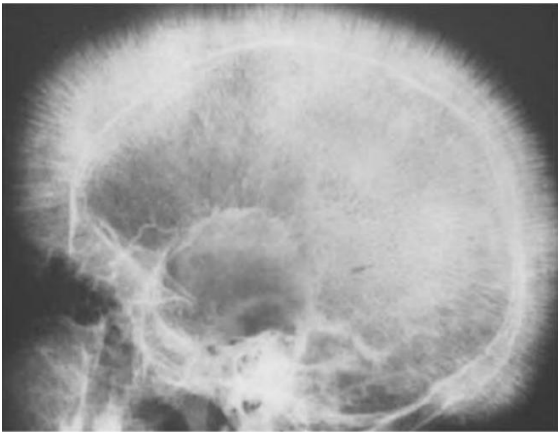
236. 45 year old Male with Heart Disease undergoes a chest X-ray, what is the diagnosis?

- a) Prosthetic aortic valve
- b) Prosthetic mitral valve
- c) Pericardial effusion
- d) Implantable pacemaker



237) The Given Skull X-ray finding is seen in?

- a) Hemolytic anemia
- b) Multiple myeloma
- c) Increased ICT
- d) Osteopetrosis



238) X-ray of a 2-year-old child is given, what is the possible diagnosis?

- a) Pneumastosis intestinalis
- b) Pneumoperitoneum
- c) Subcutaneous emphysema
- d) Duodenal atresia



239) Identify the pathology on given Barium enema image?

- a) Intussusception
- b) Ulcerative colitis
- c) Cecal cancer
- d) Ileocecal TB



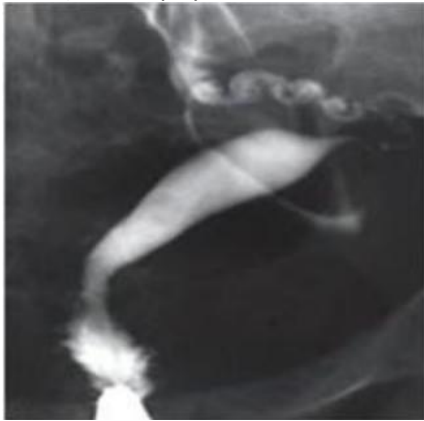
240) A 45-year-old female came for post-surgery follow up, A CXR was taken what is the most likely diagnosis?

- a) Malignancy
- b) Fibroadenoma
- c) Emphysema
- d) Left sided mastectomy



241) Identify the Given HSG image?

- a) Bicornuate
- b) Unicornuate
- c) Septate
- d) Didelphys



242) A female patient with dysphagia, Barium swallow image is shown, what is the likely diagnosis?

- a) Diffuse esophageal spasm
- b) Esophageal cancer
- c) Achalasia cardia
- d) Esophagitis



243) A 65-Year-old female fell down in the bathroom & sustained head injury, Ct scan was performed, what is likely diagnosis?

- a) Extradural hematoma
- b) Intracranial bleed
- c) Thrombosis
- d) Subdural hematoma



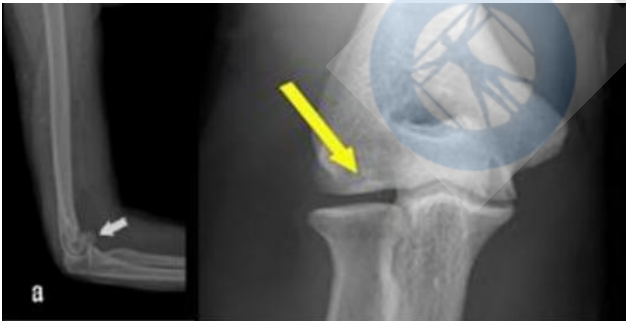
244) Identify the given IVP image?

- a) B/L Ureterocele
- b) Hydronephrosis
- c) Staghorn calculi
- d) Bladder calculi



245) What structure is the arrow pointing to?

- a) Medial epicondyle
- b) Trochlea
- c) Capitulum
- d) Olecranon



246) Identify the Given Chest Radiograph?

- a) Pneumothorax
- b) Hydropneumothorax
- c) Pericardial effusion
- d) Emphysema



247) 33 yr. old female with fever, weight loss, elevated levels of ACE levels with hilar lymphadenopathy on x ray, Probable diagnosis?

- a) TB
- b) Sarcoidosis
- c) Silicosis
- d) Small cell cancer



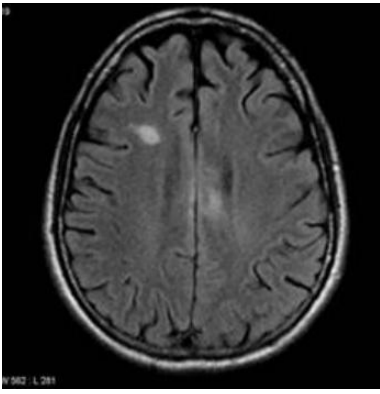
248) Identify the structure being pointed by the Arrow?

- a) Hepatic artery
- b) Portal vein
- c) Hepatic vein
- d) Inferior venacava



249) A patient met with a RTA, is unconscious and the CT scan does not show any findings except for few petechial hemorrhages, what is the probable diagnosis?

- a) Diffuse Axonal injury
- b) Concussion
- c) Contusion
- d) Subarachnoid hemorrhage



250) A Patient with prostate cancer receives sequential radiotherapy at a dose of 1.8-2.4 Gy for 5 days every week, for 5-7 weeks this is called as?

- a) Regular fractionated radiotherapy
- b) Hypofractionated RT
- c) Hyperfractionated RT
- d) Accelerated RT

251) A 35 yrs old patient from Bihar comes with generalized bone pain and was diagnosed to have Fluorosis. Fluorosis of bone is commonly associated with?

- a) Osteosclerosis
- b) Osteomalacia
- c) Osteopetrosis
- d) Osteochondrosis



252) Patient with Right Hypochondrial pain, Water Lily Sign is seen on Ultrasound, what is the diagnosis?

- a) Entamoeba
- b) Schistosoma
- c) Ascariasis
- d) Hydatid cyst

253) A 2-year-old child with sudden onset breathlessness, Wheezing and Decreased breath sounds in right lung, Chest Radiograph shows diffuse opacity in right hemithorax, what is probable diagnosis?

- a) Bronchial asthma
- b) Pneumonia
- c) Foreign body aspiration
- d) Pneumothorax

254) Prophylactic craniospinal irradiation is done for which cancer?

- a) Seminoma
- b) Small cell lung ca
- c) Prostate cancer
- d) Hodgkins lymphoma

255) A Patient with Brain Metastasis had to undergo Head and Neck Irradiation, what is the most common delayed symptom with Head and Neck Irradiation?

- a) Xerostomia
- b) Dysphagia
- c) Dysgeusia
- d) Anhidrosis

256) Identify the given X-RAY?

- a) Hydropneumothorax
- b) Pneumothorax
- c) Pneumo-mediastinum
- d) Lower lobe pneumonia



257) A Patient with tingling, numbness and paresthesias in his lower extremities, suggestive of nerve root Compression. From the given radiological image which disc is likely to be herniated?

- a) L1
- b) L2
- c) L3
- d) L4



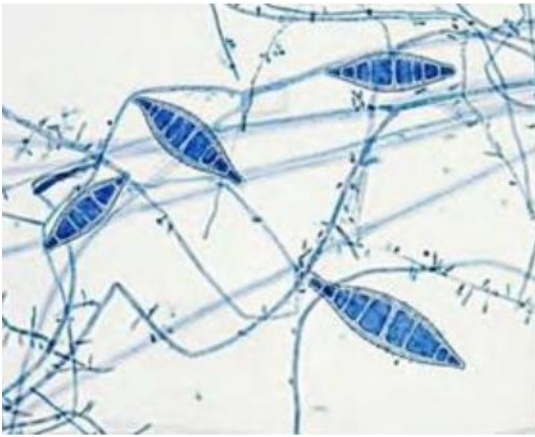
258) A 35 years old female known case of HIV, with CD4<300, presents with fever, dyspnea, cough, and x-ray has been taken shows Causative Organism is?

- a) Staphylococcus
- b) Streptococcus
- c) Histoplasmosis
- d) Miliary TB



259) Identify the organism in the diagram?

- a) *Microsporium gypseum*
- b) *Microsporium canis*
- c) *Trichophyton Epidermidis*
- d) *Trichophyton tonsurans*



260) A 60-year-old woman, a known case of lung cancer complains of shortness of breath. On examination her neck veins are engorged which showed a gross elevation of JVP, heart sounds are distant and breath sounds appear reduced on the left side infra scapular area. Requisition for CXR is done and is shown below. Comment on the diagnosis of the patient?

- a) Congestive heart failure
- b) Bilateral pleural effusion
- c) Cardiac tamponade
- d) Superior venacava syndrome

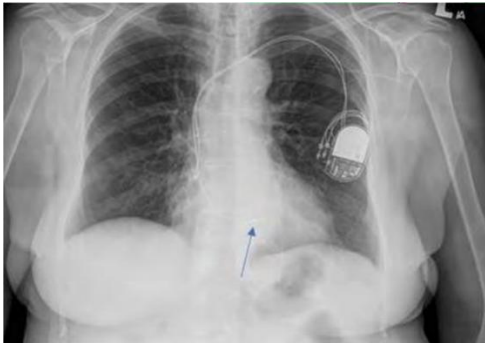


261) A boy fell down while playing and the nose is deviated but septum was found normal, what is the next step done?



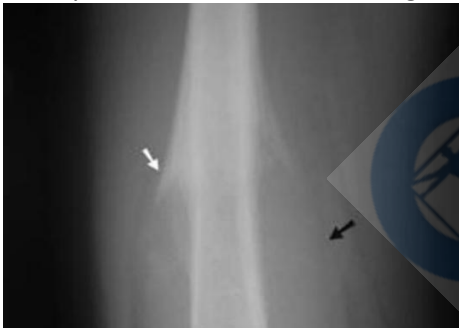
- a) Lower the edema then closed reduction after 7 days
- b) Closed reduction and automatically swelling decreases
- c) Septorhinoplasty
- d) Open reduction

262) Where is the marked structure placed in the heart to activate the device present here?



- a) AVN
- b) SAN
- c) Bundle of His
- d) Purkinje fibres

263) A 15-year-old boy playing football has an injury to the leg but now complains of deep bone pain and high grade fever. A x ray was taken. What is the diagnosis?



- a) Osteochondroma
- b) Ewings sarcoma
- c) Osteosarcoma
- d) Osteochondroma

264) A 43-year-old male returned from abroad and after a week develops breathing difficulty with loss of smell and taste. Which is the next best line of investigation?

- a) Sputum examination
- b) Nasopharyngeal swab
- c) CT chest
- d) Bone marrow biopsy

265) All the following measures are useful against COVID 19 except?

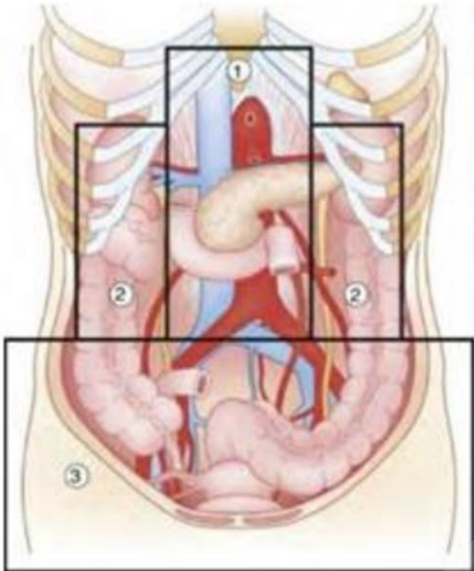
- a) 2% Glutaraldehyde
- b) 70% ethanol
- c) Face mask
- d) Hand wash

266. Identify the image given below?



- a) Meter Dose inhaler
- b) Capsule inhaler
- c) Rotahaler
- d) Dry powder inhaler

267. In FAST which of the following needs immediate laparo-exploration?



- a) 1 and 2
- b) 2 and 3
- c) 1 and 3
- d) All