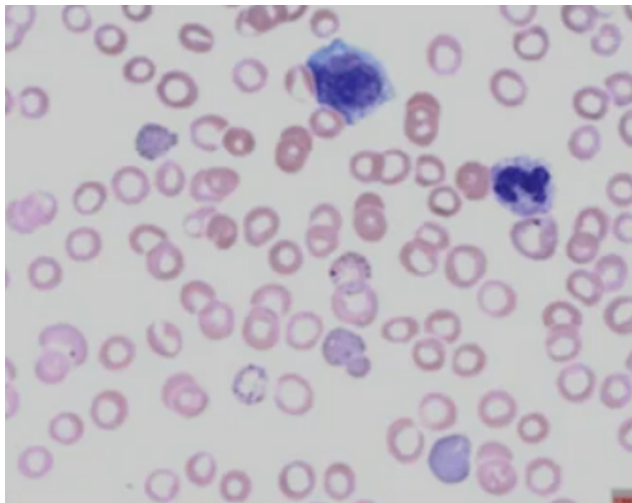


Q. A man regularly derives sexual gratification by inflicting pain upon his partner. He would often produce cuts and cigarette burns on his partner's arms. This is best described as.

1. Voyeurism
2. Fetishism
3. Sadism
4. Masochism

Correct Answer: Sadism

Q. Which of the following diagnoses give the hematological picture as given below?



1. Minamata disease
2. Saturnism
3. Chronic iron toxicity
4. Arsenic poisoning

**Correct Answer: Saturnism**

Which hyperthyroid drug is safer during the first trimester of pregnancy?

1. Propylthiouracil
2. Methimazole
3. Carbimazole
4. Radioactive iodine

**Correct Answer: Propylthiouracil**

A 34-year-old woman presents at 6 weeks of delivery. She wants contraception for the next 3 years. What will be the best contraceptive method in this case?

1. Copper T
2. IUCD with progesterone
3. Injectable progesterone
4. Nothing besides lactation amenorrhea

Q. The major contributor to the demographic burden is \_

1. Decreased old age dependency ratio
2. Increased young age dependency ratio
3. Decreased young age dependency ratio
4. Increased old age dependency ratio

**Correct Answer: Increased old age dependency ratio**

Q. Blood spill in the operation theater is cleaned with\_\_\_?

1. Chlorine compound
2. Phenolic compounds
3. Quaternary ammonium compounds
4. Alcoholic compounds

**Correct Answer: Alcoholic compounds**

Q. What is the pattern of inheritance in neural tube defects?

1. Autosomal dominant
2. X-linked dominant
3. Autosomal recessive
4. Multifactorial inheritance

**Correct Answer: Multifactorial inheritance**

Q. A laborer's younger child is brought to the OPD with a swollen belly and dull face. He has been fed rice water (rice milk) in his diet mostly. On investigations, the child is found to have low serum protein, low serum protein, and low albumin. What is the probable diagnosis?

1. Kwashiorkor
2. Marasmus
3. Indian childhood cirrhosis
4. Kawasaki disease

**Correct Answer: Kwashiorkor**

Q. A patient presents with complaints of tingling sensation in hands and feet, generalized weakness, easy fatigability, pallor, and ataxia. Deficiency of which vitamin causes these symptoms?

1. Vitamin B1
2. Vitamin B12
3. Vitamin B2
4. Vitamin B3

**Correct Answer: Vitamin B12**

Q. A male patient with a history of chronic smoking presents with the complaint of dysphagia. Out of the following, which type of lung cancer is most likely to be found in this patient?

1. Squamous cell carcinoma
2. Adenocarcinoma
3. Large cell carcinoma
4. Bronchogenic carcinoma

**Correct Answer: Squamous cell carcinoma**

Q. If the diameter of an artery was found to be reduced to one-third. By what value does the resistance of the artery increase?

1. 9 times
2. 81 times
3. 27 times
4. 18 times

**Correct Answer: 81 times**

Q. Which pancreatic neuroendocrine tumor causes recurrent episodes of secretory diarrhea?

1. VIPoma
2. Glucagonoma
3. Insulinoma
4. Zollinger Ellison disease

**Correct Answer: VIPoma**

Q. A chronic smoker wants to quit smoking. Which of the following drugs would help him with his goal?

1. Bupropion
2. Mirtazipine
3. Varenicline
4. Both a and c

**Correct Answer: Both 1 and 3**

Q. Lithium usage in pregnancy can lead to which of the following teratogenic effects?

1. Cardiac defects
2. Facial defects
3. CNS defects
4. Urogenital defects

**Correct Answer: Cardiac defects**

Q. A 34-year-old male presents with a history of progressive lower backache and early morning stiffness for the past 6 months. His symptoms are more severe in the morning and improve on exercise. He is a known case of ulcerative colitis an x-ray of his lumbar spine is taken and is given below. What is the most likely diagnosis?



1. Pott's spine
2. Psoriasis arthritis
3. Ankylosing spondylitis
4. Rheumatoid arthritis

**Correct Answer: Ankylosing spondylitis**

Q. A patient presents with swelling and tenderness in the anatomical snuffbox after sustaining a fall on their outstretched hand. The image given below shows the cast used to manage the patient's injury. Identify the fracture.



1. Colle's fracture
2. Scaphoid fracture
3. Smith fracture
4. Galeazzi fracture

**Correct Answer: Scaphoid fracture**

Q, A patient presents with swelling in MCP joints, and his serum uric acid levels were found to be elevated. His physician prescribed a drug which is considered as the first line agent in the management of this condition. What is the mechanism of this drug?

1. Pyrimidine antimetabolite
2. Inhibitor of neutrophil recruitment
3. Uricosuric drug
4. Xanthine oxidase inhibitor

**Correct Answer: Xanthine oxidase inhibitor**

Q. A tourist with a travel history to India presents with complaints of abdominal pain and multiple episodes of watery diarrhea. He reports having food at a local restaurant the previous night. Which of the following antidiarrheal agents is used in this condition?

1. Octreotide
2. Loperamide
3. Rifaximin
4. Bismuth subsalicylate

**Correct Answer: Loperamide**

Q. A 60-year-old male presents with painless cervical lymphadenopathy. On examination, the right ear reveals conductive hearing loss with a dull tympanic membrane. Moreover, decreased mobility of the soft palate was also noted. What is the probable diagnosis?

1. Nasopharyngeal carcinoma
2. Adenoid cystic cancer
3. Juvenile nasopharyngeal angiofibroma
4. Quinsy

**Correct Answer: Nasopharyngeal carcinoma**

Q. A 4-year-old boy presents with low-grade fever, inspiratory stridor, and barking cough for the past 5 days. Examination reveals a hoarse voice, a moderately inflamed pharynx, and a slightly increased respiratory rate. His chest x-ray showed subglottic narrowing appearing like a steeple. Which among the following is not indicated in the treatment of this condition?

1. Nebulized racemic epinephrine
2. Parenteral cefotaxime
3. Helium oxygen mixture
4. Intramuscular dexamethasone

**Correct Answer: Parenteral cefotaxime**

Q. Koebner's phenomenon is seen in all of the following, except?

1. Vitiligo
2. Psoriasis
3. Lichen Planus
4. Herpes

**Correct Answer: Herpes**

Q. Which of the following is the best method to assess the degree of muscle relaxation?

1. Tetanic Stimulation
2. Double burst stimulation
3. Train of four
4. Electromyography

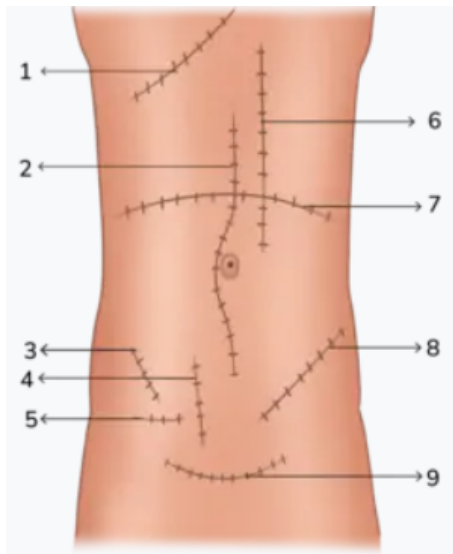
**Correct Answer: Train of four**

Q. Which of the following is the causative agent for acne fulminans?

1. Actinomyces
2. Propionibacterium
3. Mobiluncus
4. Bifidobacterium

**Correct Answer: Propionibacterium**

Q. A 23-year-old male had acute appendicitis 3 days ago and presented to the surgery department with abdominal pain and tenderness. Which of the following incisions would be appropriate for this condition?



1. 1
2. 2
3. 3
4. 5

**Correct Answer: 3**

Q. Which of the following combinations of cylindrical lenses can be used to treat with the rule astigmatism?

1. +5.00 DC x 180, -3.00 DC x 90
2. +7.00 DC x 180, +5.00 DC x 90
3. -4.00 DC x 180, -5.00 DC x 90
4. -3.00 DC x 180, +1.00 DC x 90

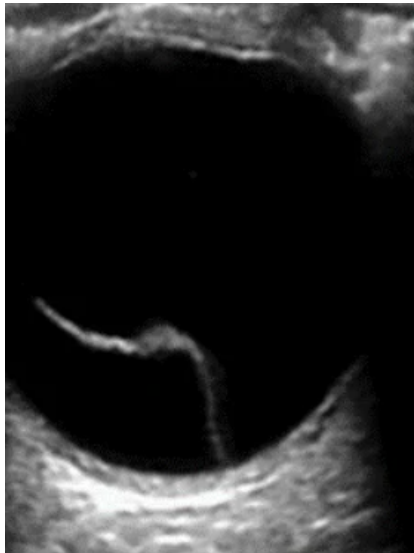
**Correct Answer: -3.00 DC x 180, +1.00 DC x 90**

Q. What is the ideal time and method of removing hair before surgery to avoid surgical site infection?

1. On the OT table with electric hair clippers
2. With a razor 24 hours before surgery
3. With a hair removal cream on the previous day
4. On the OT table with a razor

**Correct Answer: On the OT table with electric hair clippers**

Q. A 61-year-old university professor presents with a loss of vision in his left eye. He describes the sensation as a curtain being drawn over his affected eye. In addition, 7 days ago the patient noticed what he described as flashing lights and floaters. He gives a history of having cataract surgery in the same eye 3 weeks ago. A B-scan image of his left eye is shown below. What could be his condition?



1. Glaucoma
2. Retinal tumor
3. Retinal detachment
4. Corneal ulcer

**Correct Answer: Retinal detachment**

Q. A newborn had hypoplasia of the mandibles and zygomatic bones, malformed external ears, and slanted palpebral fissures. Abnormality in the development of which of the following pharyngeal arches will most likely lead to the given condition?

1. Pharyngeal arch 1
2. Pharyngeal arch 2
3. Pharyngeal arch 3
4. Pharyngeal arch 4



**Correct Answer: Pharyngeal arch 1**

Q. A patient underwent a left submandibular gland excision during which the hypoglossal nerve was injured. Which of the following deficits would be seen in this case?

1. Deviated tongue to the contralateral side
2. Deviated tongue to the same side
3. Inability to protrude tongue
4. Loss of taste in posterior 1/3rd of the tongue

**Correct Answer: Deviated tongue to the same side**

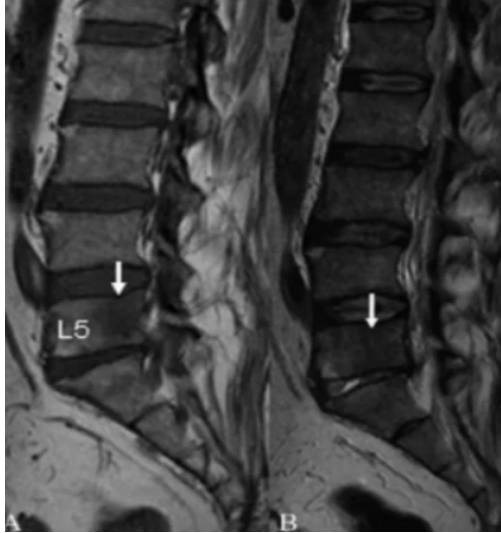
Q. A 74-year-old gentleman presents to the OPD with a history of significant unintentional weight loss, loss of appetite and iron deficiency anemia. A chest x-ray was done and is given below. What is the diagnosis?



1. Bronchogenic carcinoma
2. Mesothelioma
3. Metastasis
4. Pneumoconiosis

**Correct Answer: Metastasis**

Q. What diagnosis can be derived from the image given below?



1. Multiple myeloma
2. Ankylosing spondylitis
3. Pyogenic spondylitis
4. Pott's Spine

**Correct Answer: Pott's Spine**

Q. Which of the following is true regarding the Michaelis-Menten graph?

1.  $K_m$  is directly proportional to substrate concentration
2.  $K_m$  is directly proportional to enzyme concentration
3.  $K_m$  is indirectly proportional to substrate concentration
4.  $K_m$  has no relation to substrate concentration

**Correct Answer:  $K_m$  is directly proportional to substrate concentration**

Q. A 34-year-old male was on maize as a staple diet for a prolonged period. He was presented with diarrhea and lesions over his neck as shown in the image below. The condition occurs due to deficiency of:



1. Niacin
2. Zinc
3. Thiamine
4. Iron

**Correct Answer: Niacin**

Q. A patient has a blister on hand followed by axillary lymphadenopathy. What will you ask the patient with regard to history?

1. History of exposure to rat
2. History of exposure to cat
3. History of similar complaints in family members
4. History of tick bite

**Correct Answer: History of exposure to cat**

Q. A patient came to the gynecology OPD with complaints of foul-smelling frothy vaginal discharge and intense itching. On examination, the cervix appeared strawberry-like. Which of the following statement is false regarding the causative organism?

1. It exists in cyst and trophozoite form
2. It is an obligate parasite
3. The gold standard for diagnosis is culture on CPLM or PEM
4. The treatment of choice is metronidazole

**Correct Answer: It exists in cyst and trophozoite form**

