



FMGE Jan 2023 PYQs

Here is a valuable resource to strengthen your FMGE preparation - the FMGE Jan 2023 Previous Year Questions PDF. India's top medical faculty have carefully vetted these recall-based questions to ensure the accuracy and relevance of all the questions. You can use this PDF to elevate your exam preparations by identifying all the high-yield topics that have been asked repeatedly over the past years.

Also, if you want to further improve your understanding of these topics, download the PrepLadder app and get access to QBank 5.0 for detailed explanations of all correct and incorrect options. QBank 5.0 is a treasure trove of MCQs based on the latest exam pattern, especially clinical scenario-based questions.

In addition, you will get access to several other preparation resources including video lectures and notes to stay ahead in your journey to success! Find the download link at the end.

Ques No: 1, QuesID : 794020

Subject: Microbiology

Topic: General Microbiology

Sub-Topic:

The culture media that is used to differentiate lactose fermenters and non-lactose fermenters is

O1:

Bile salt agar

O2:

Thayer-Martin agar

O3:

Sabouraud Dextrose Agar

O4:

Mac-Conkey agar

Ans: 4

Ques No: 2, QuesID : 794030

Subject: Biochemistry

Topic: Genetics

Sub-Topic:

In the liver, the Apo-B gene is completely translated to ApoB-100; in the intestine, it is translated to ApoB-48. Which of the following mechanism explains this?

O1:

RNA editing

O2:

Gene splicing

O3:



Alternative polyadenylation

O4:

Gene rearrangements

Ans: 1

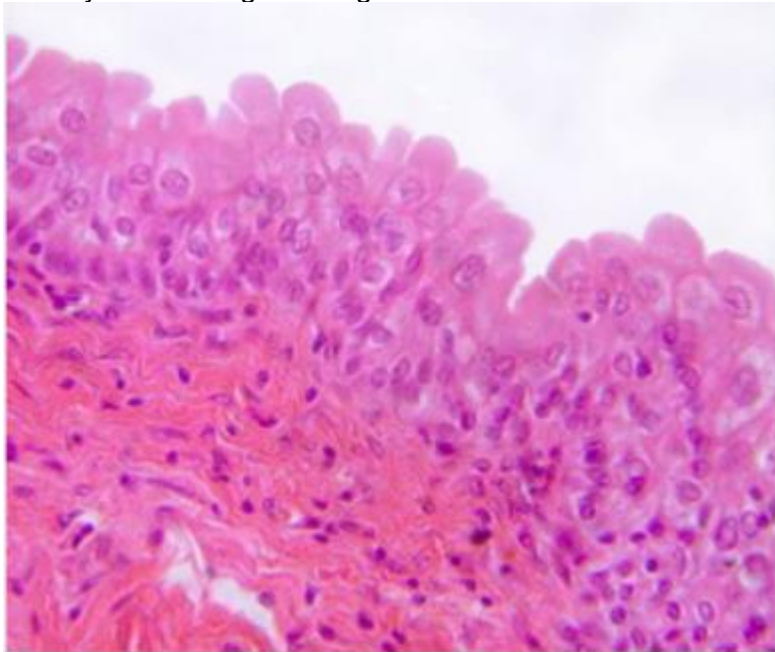
Ques No: 3, QuesID : 794021

Subject: Anatomy

Topic: Histology

Sub-Topic:

Identify the histological image below.



O1:

Pseudostratified columnar epithelium

O2:

Non-keratinized squamous epithelium

O3:

Stratified squamous epithelium

O4:

Transitional epithelium

Ans: 4

Ques No: 4, QuesID : 794032

Subject: Anatomy

Topic: Head and Neck

Sub-Topic:

The nerve supply of the larynx above the level of the vocal cords is by ____

O1:



Superior laryngeal nerve
O2: Recurrent laryngeal nerve
O3: Glossopharyngeal nerve
O4: External laryngeal nerve
Ans: 1

<p>Ques No: 5, QuesID : 794036 Subject: Anatomy Topic: Head and Neck Sub-Topic:</p> <p>A patient presents cyst on the neck with anterior to the sternocleidomastoid at the junction of the upper and middle third of the muscle. This cyst is due to the persistence of which of the following embryological clefts?</p>
O1: 1st cleft
O2: 2nd cleft
O3: 3rd cleft
O4: 4th cleft
Ans: 2

<p>Ques No: 6, QuesID : 794039 Subject: Anatomy Topic: Lower Limb Sub-Topic:</p> <p>A patient presented to the OPD with an abnormal gait. On examination, a right-sided hip drop was observed when the patient was asked to stand on the left foot. Which of the following muscles are paralyzed in this patient?</p>
O1: Right gluteus maximus and gluteus medius
O2: Right gluteus medius and gluteus minimus
O3: Left gluteus maximus and gluteus medius
O4: Left gluteus medius and gluteus minimus
Ans: 4



Ques No: 7, QuesID : 794042

Subject: Anatomy

Topic: Head and Neck

Sub-Topic:

The framework of the external nose:

O1:

Upper 1/3rd bony and lower 2/3rd cartilaginous

O2:

Upper ½ is bony, and lower 1/2 is cartilaginous

O3:

Upper 2/3rd is bony and the lower 1/3rd is cartilaginous

O4:

None of the above

Ans: 1

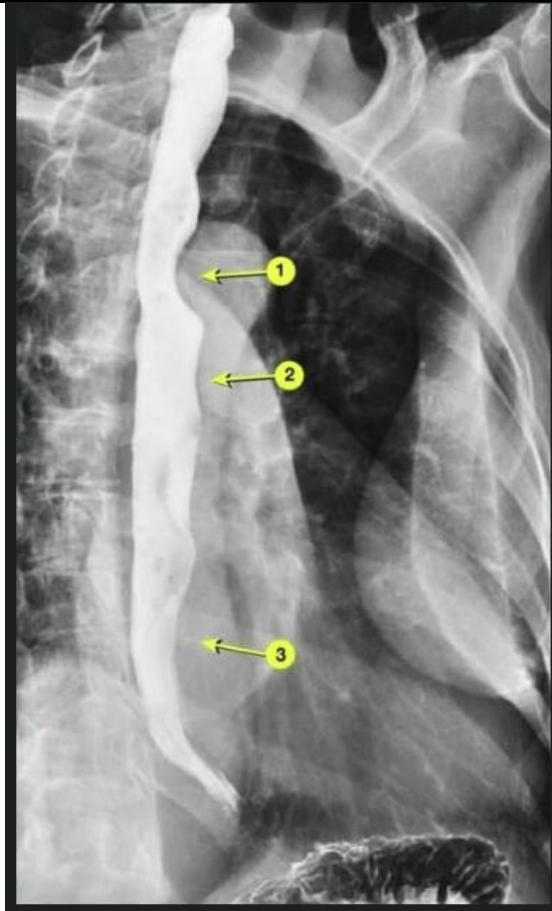
Ques No: 8, QuesID : 794047

Subject: Anatomy

Topic: Abdomen

Sub-Topic:

In the given barium swallow image, which of the following shows the left atrium impression on the esophagus?



O1:
None of them

O2:
1

O3:
2

O4:
3

Ans: 4

Ques No: 9, QuesID : 794052

Subject: Anatomy

Topic: Pelvis and Perineum

Sub-Topic:

A 55-year-old man is diagnosed with left testicular carcinoma. Which of the following lymph nodes is the first to be involved?

O1:
Inguinal lymph nodes

O2:



Para-aortic lymph nodes
O3: Iliac lymph nodes
O4: Pre-caval lymph nodes
Ans: 2

<p>Ques No: 10, QuesID : 794055 Subject: Physiology Topic: Cardiovascular System Sub-Topic:</p> <p>The first heart sound coincides with which cardiac cycle phase?</p>
O1: Rapid atrial filling
O2: Aortic ejection
O3: Isovolumetric contraction
O4: Isovolumetric relaxation
Ans: 3

<p>Ques No: 11, QuesID : 794060 Subject: Physiology Topic: The Nervous System Sub-Topic:</p> <p>Which among the following is true regarding creatinine clearance?</p>
O1: Equal to inulin clearance
O2: It is less than inulin clearance
O3: It is more than inulin clearance
O4: Equal to renal plasma flow
Ans: 3

<p>Ques No: 12, QuesID : 794064 Subject: Physiology Topic: The Nervous System Sub-Topic:</p>



Which of the following statements is true about GFR?

GFR-Glomerular filtration rate

RPF-Renal Plasma Flow

O1:

An increase in sympathetic function increases GFR

O2:

Afferent arteriolar constriction increases GFR

O3:

An increase in RPF increases GFR

O4:

A decrease in RPF increases GFR

Ans: 3

Ques No: 13, QuesID : 794069

Subject: Physiology

Topic: Blood Physiology

Sub-Topic:

A new resident to a high-altitude area develops hypoxia. What is the causative factor?

O1:

Low hemoglobin levels

O2:

Low partial pressure of O_2

O3:

Low blood lactate levels

O4:

High partial pressure of CO_2

Ans: 2

Ques No: 14, QuesID : 794026

Subject: Microbiology

Topic: Systemic Bacteriology

Sub-Topic:

A truck driver comes with complaints of a painless indurated genital ulcer after unsafe intercourse. Which of the following investigations can be used to diagnose the causative organism?



O1:
Darkfield microscopy

O2:
HSV 2 antibody

O3:
Albert stain

O4:
Acid-fast stain

Ans: 1

Ques No: 15, QuesID : 794072

Subject: Physiology

Topic: Endocrine and Reproductive System

Sub-Topic:

Which of the following is an orexigenic hormone?

O1:
Melanocyte-stimulating hormone

O2:
Cholecystokinin

O3:
Ghrelin

O4:
Leptin

Ans: 3

Ques No: 16, QuesID : 794081

Subject: Physiology

Topic: Blood Physiology

Sub-Topic:

Which of the following clotting factor participates in the extrinsic pathway of coagulation?



O1:

Factor VIII

O2:

Factor VII

O3:

Factor XI

O4:

Factor IX

Ans: 2

Ques No: 17, QuesID : 794077

Subject: Biochemistry

Topic: Amino Acids and Proteins Chemistry

Sub-Topic:

Melanin is derived from which of the following amino acids?

O1:

a. Tyrosine

O2:

b. Tryptophan

O3:

Phenylalanine

O4:

d. Alanine

Ans: 1

Ques No: 18, QuesID : 794029

Subject: Microbiology

Topic: General Microbiology

Sub-Topic:

Which of the following is an acid-fast organism?

O1:

Streptococcus pneumoniae

O2:

Escherichia coli

O3:

Mycobacterium avium

O4:

Actinomyces

Ans: 3

Ques No: 19, QuesID : 794087

Subject: Physiology

Topic: General Physiology

Sub-Topic:



Which of the following is the principal constituent of serum osmolality?

O1:
Potassium

O2:
Sodium

O3:
Bicarbonate

O4:
Hydrogen ions

Ans: 2

Ques No: 20, QuesID : 794083

Subject: Microbiology

Topic: General Microbiology

Sub-Topic:

The stain used for identifying Cryptococcus is

O1:
Albert's stain

O2:
Silver staining

O3:
India ink stain.

O4:
Auramine-rhodamine stain

Ans: 3

Ques No: 21, QuesID : 794090

Subject: Physiology

Topic: Blood Physiology

Sub-Topic:

Hemoglobin with iron in ferric form is

O1:
Methemoglobin

O2:
HbA

O3:
Fetal hemoglobin

O4:
HbS

Ans: 1



Ques No: 22, QuesID : 794079

Subject: Biochemistry

Topic: Carbohydrate Metabolism

Sub-Topic:

Which of the following enzyme is found to be deficient in Von Gierke's disease?

O1:

Glucose-6-phosphatase

O2:

Branching enzyme

O3:

Debranching enzyme

O4:

Muscle glycogen phosphorylase

Ans: 1

Ques No: 23, QuesID : 794095

Subject: Microbiology

Topic: Virology

Sub-Topic:

The image shown here is used for the diagnosis of



O1:

Human immunodeficiency virus

O2:

Hepatitis B virus

O3:

Human papillomavirus

O4:



Herpes simplex virus

Ans: 4

Ques No: 24, QuesID : 794098

Subject: Physiology

Topic: Cardiovascular System

Sub-Topic:

A large 'V' wave on jugular venous examination is seen in JVP-Jugular venous pulse

O1:

Tricuspid regurgitation

O2:

Aortic regurgitation

O3:

Tricuspid stenosis

O4:

Atrial fibrillation

Ans: 1

Ques No: 25, QuesID : 794101

Subject: Microbiology

Topic: Immunology

Sub-Topic:

Which of the following immunoglobulins shows the highest concentration in serum?

O1:

IgG

O2:

IgM

O3:

IgA

O4:

IgE

Ans: 1

Ques No: 26, QuesID : 794093

Subject: Biochemistry

Topic: Vitamins

Sub-Topic:

Allopurinol and Vitamin C- to reduce uric acid production and prevent gout-like symptoms.
Which among the following helps in the maturation of collagen?

O1:

Proline

O2:



Copper and zinc

O3:

Ascorbic acid

O4:

Phenylalanine

Ans: 3

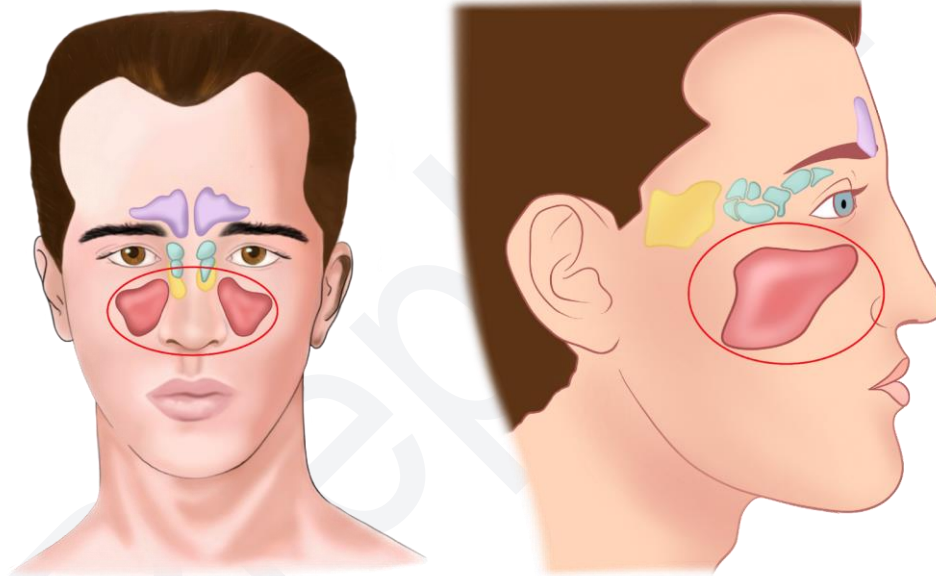
Ques No: 27, QuesID : 794103

Subject: ENT

Topic: Nose and Paranasal Sinuses

Sub-Topic:

Identify the sinus marked in the image.



O1:

Frontal sinus

O2:

Pyriform sinus

O3:

Ethmoid sinus

O4:



Maxillary sinus

Ans: 4

Ques No: 28, QuesID : 794106

Subject: Biochemistry

Topic: Carbohydrate Metabolism

Sub-Topic:

Which of the following cell pathways occurs exclusively in cell cytoplasm?

O1:

Beta oxidation

O2:

TCA cycle

O3:

Glycolysis

O4:

Urea cycle

Ans: 3

Ques No: 29, QuesID : 794109

Subject: Microbiology

Topic: Mycology

Sub-Topic:

Which of the following dimorphic fungi causes subcutaneous mycosis?

O1:

Sporothrix schenckii

O2:

Histoplasma capsulatum

O3:

Blastomyces dermatitidis

O4:

Penicilliosis marneffeii

Ans: 1

Ques No: 30, QuesID : 794115

Subject: ENT

Topic: Pharynx

Sub-Topic:

A 16-year-old boy presented with recurrent epistaxis. There is no history of trauma associated with it. On examination, there is a firm purplish mass on the left posterior choanae. Which of the following is the most appropriate for managing this patient?

O1:

Needle biopsy



O2:

FNAC

O3:

Radiotherapy

O4:

Surgical excision

Ans: 4

Ques No: 31, QuesID : 794113

Subject: Microbiology

Topic: General Microbiology

Sub-Topic:

Plasma sterilization is done by

O1:

Ethylene oxide

O2:

Gamma rays

O3:

Hydrogen peroxide

O4:

UV rays

Ans: 3

Ques No: 32, QuesID : 794122

Subject: ENT

Topic: Ear

Sub-Topic:

What is the function of utricle and saccule?

O1:

Hearing high-frequency sounds

O2:

Linear acceleration

O3:

Angular acceleration

O4:

Hearing low-frequency sounds

Ans: 2

Ques No: 33, QuesID : 794118

Subject: Biochemistry

Topic: Amino Acids and Proteins Chemistry

Sub-Topic:



Nitric oxide is synthesized from which of the following amino acids?
O1: Tryptophan
O2: Lysine
O3: Arginine
O4: Tyrosine
Ans: 3

<p>Ques No: 34,QuesID : 794128 Subject: Microbiology Topic: Mycology Sub-Topic:</p> <p>A cattle farmer presented with a lesion on the arm. Gram staining showed gram-positive rods with square ends with a central spore. Identify the organism.</p>
O1: Bacillus cereus
O2: Bacillus anthracis
O3: Pseudomonas aeruginosa
O4: Brucella abortus
Ans: 2

<p>Ques No: 35,QuesID : 794130 Subject: ENT Topic: Nose and Paranasal Sinuses Sub-Topic:</p> <p>Which of the following is least likely to cause mucormycosis?</p>
O1: Neutropenia
O2: Broad spectrum antibiotics
O3: Uncontrolled diabetes without DKA
O4: Prolonged use of steroid
Ans: 2

Ques No: 36,QuesID : 794135



Subject: ENT

Topic: Larynx

Sub-Topic:

Which of the following is true about laryngeal cancer stage T1bNOMO?

O1:

Both vocal cords involved and fixed

O2:

Both vocal cords involved, and mobile

O3:

One vocal cord involved and fixed

O4:

One vocal cord involved, and mobile

Ans: 2

Ques No: 37, QuesID : 794132

Subject: Microbiology

Topic: General Microbiology

Sub-Topic:

Which among the following culture media is used in the identification of Salmonella?

O1:

PLET medium

O2:

BCYE medium

O3:

Wilson and Blair medium

O4:

Stuart's medium

Ans: 3

Ques No: 38, QuesID : 794140

Subject: ENT

Topic: Nose and Paranasal Sinuses

Sub-Topic:

A 35-year-old woman takes aspirin for a headache, later presented with wheezing and breathlessness. Along with these two symptoms, what other clinical findings are likely to be found in this condition?

O1:

IgE release

O2:

Nasal polyp

O3:



Extrinsic asthma

O4:

Drug interaction

Ans: 2

Ques No: 39, QuesID : 794138

Subject: Microbiology

Topic: Parasitology

Sub-Topic:

Which among the following parasites directly invade the skin?

O1:

Schistosoma mansoni

O2:

Dracunculus medinensis

O3:

Wuchereria bancrofti

O4:

Onchocerca volvulus

Ans: 1

Ques No: 40, QuesID : 794143

Subject: ENT

Topic: Larynx

Sub-Topic:

A patient who is a teacher by profession presents to the clinic with hoarseness of voice. What is the most likely diagnosis for this patient?

O1:

Vocal polyp

O2:

Vocal cyst

O3:

Vocal nodule

O4:

Reinke's oedema

Ans: 3

Ques No: 41, QuesID : 794125

Subject: Biochemistry

Topic: Lipid Metabolism

Sub-Topic:

A 20-year-old male presented with yellowish discoloration of his skin and sclera. He is otherwise normal. He gives a history of viral infection 10 days ago, which was resolved 2 days



back. He also gives a history of similar episodes in the past following any illness. Lab values are given below. What is the most likely diagnosis?
Serum bilirubin: 2.4 mg/dL Unconjugated bilirubin: 2.1mg/dL Conjugated bilirubin: 0.3mg/dL
Serum AST and ALT: Normal

O1:

Dubin-Johnson syndrome

O2:

Criggler-Najar type 1 syndrome

O3:

Gilbert syndrome

O4:

Rotor syndrome

Ans: 3

Ques No: 42, QuesID : 794149

Subject: ENT

Topic: Ear

Sub-Topic:

A patient presents with painful vesicles in the external auditory meatus and over the tympanic membrane. In addition to that, he also has facial nerve palsy. What is the most likely diagnosis and which is the site that is affected?

O1:

Ramsay Hunt syndrome and basal ganglion

O2:

Ramsay Hunt syndrome and geniculate ganglion

O3:

Melkersson syndrome and trigeminal ganglion

O4:

Melkersson syndrome and otic ganglion

Ans: 2

Ques No: 43, QuesID : 794151

Subject: Microbiology

Topic: Systemic Bacteriology

Sub-Topic:

A 45-year-old man with multiple sexual partners presents with a palmoplantar rash as seen below. On examination, he has epitrochlear lymphadenopathy. Which of the following is the likely diagnosis?



O1:

Psoriasis

O2:

Secondary syphilis

O3:

Meningococccemia

O4:

Steven Johnson syndrome

Ans: 2

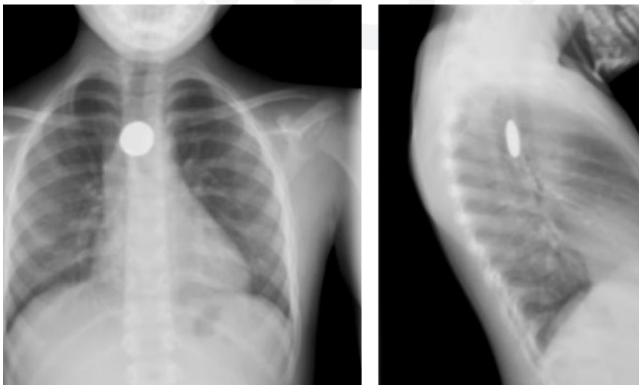
Ques No: 44, QuesID : 794158

Subject: ENT

Topic: Larynx

Sub-Topic:

A 2-year-old was brought to the emergency department with difficulty swallowing for the last few hours. The X-ray is given below. Which is the next best step to manage this patient?



O1:



Bronchoscopy
O2: Esophagoscopy
O3: Tracheostomy
O4: Heimlich's manoeuvre
Ans: 2

<p>Ques No: 45,QuesID : 794161 Subject: ENT Topic: Nose and Paranasal Sinuses Sub-Topic:</p> <p>A patient presented with unilateral nasal obstruction associated with watery nasal discharge and bleeding. A diagnosis of inverted papilloma is made. Which of the following is true about this condition?</p>
O1: Malignant and invasive
O2: Benign and non-invasive
O3: Benign and invasive
O4: Malignant and non-invasive
Ans: 3

<p>Ques No: 46,QuesID : 794166 Subject: ENT Topic: Ear Sub-Topic:</p> <p>A 5-year-old child was brought to the clinic by her mother with reduced hearing for the past 2-3 months. The otoscopy finding is given below. What is the most likely diagnosis?</p>
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O1:
Myringitis bullosa

O2:
Serous otitis media

O3:
Acute otitis media

O4:
Myringitis granulosa

Ans: 1

Ques No: 47, QuesID : 794154

Subject: Microbiology

Topic: Virology

Sub-Topic:

Which of the following hepatitis viruses is likely to get transmitted via feco-oral route?

O1:
Hepatitis A

O2:
Hepatitis B

O3:
Hepatitis C

O4:
Hepatitis D

Ans: 1

Ques No: 48, QuesID : 794172

Subject: ENT



Topic: Ear
Sub-Topic:

Which of the following is associated with CSF otorrhea?

O1:
Battle sign

O2:
Traumatic rupture of the tympanic membrane

O3:
Penetrating injury to the eye

O4:
Fracture of the roof of the nose

Ans: 1

Ques No: 49, QuesID : 794174
Subject: ENT
Topic: Nose and Paranasal Sinuses
Sub-Topic:

A patient presents with a thick nasal discharge and headache. Examination reveals hypertrophy of the inferior turbinate with a mulberry appearance. Which of the following is the most likely diagnosis?

O1:
Atrophic rhinitis

O2:
Common cold

O3:
Hypertrophic rhinitis

O4:
Nasal polyp

Ans: 3

Ques No: 50, QuesID : 794178
Subject: ENT
Topic: Larynx
Sub-Topic:

Which of the following symptoms does a patient with Reinke's edema classically present with?

O1:
Diplophonia

O2:
Dysphonia

O3:



Dysphagia of liquids more than solids

O4:

Dysphagia of solids more than liquids

Ans: 1

Ques No: 51, QuesID : 794146

Subject: Biochemistry

Topic: Vitamins

Sub-Topic:

Which of the following is least likely to cause Beriberi?

O1:

Chronic use of diuretics

O2:

Vegan diet

O3:

Bariatric surgery

O4:

Chronic alcohol intake

Ans: 2

Ques No: 52, QuesID : 794182

Subject: ENT

Topic: Nose and Paranasal Sinuses

Sub-Topic:

An elderly diabetic female patient is presented, as shown in the image. What is the most probable diagnosis?



O1:



Aspergillosis
O2: Mucormycosis
O3: Foreign body
O4: Rhinosporidiosis
Ans: 2

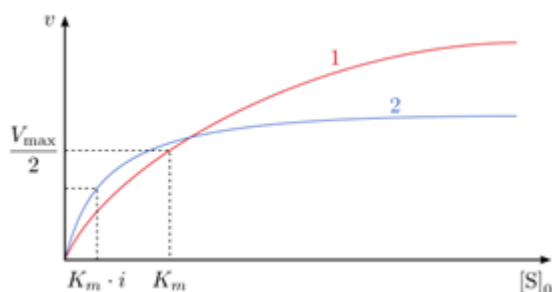
Ques No: 53, QuesID : 794180

Subject: Biochemistry

Topic: Enzymes

Sub-Topic:

Identify the type of inhibition shown in the graph.



O1: Competitive inhibition
O2: Allosteric Inhibition
O3: Uncompetitive inhibition
O4: Noncompetitive inhibition
Ans: 4

Ques No: 54, QuesID : 794186

Subject: Biochemistry

Topic: Enzymes

Sub-Topic:

Which source and cell produce testosterone?

O1: Cholesterol and Sertoli cells
O2: Dihydrotestosterone and Leydig cells
O3: FSH and Leydig cells



O4:

Cholesterol and Leydig cells

Ans: 4

Ques No: 55, QuesID : 794169

Subject: Ophthalmology

Topic: Cornea

Sub-Topic:

The SAFE strategy given by WHO forms the mainstream of the management of Trachoma. What does the S in the acronym represent?

O1:

Surgery

O2:

Symptom

O3:

Spectacles

O4:

Symbol

Ans: 1

Ques No: 56, QuesID : 794188

Subject: Gynaecology & Obstetrics

Topic: Gynecology

Sub-Topic:

What is the cause of LH surge?

FSH: Follicle-stimulating Hormone

LH: Luteinizing hormone

O1:

FSH

O2:

Estradiol

O3:

Progesterone

O4:

LH

Ans: 2

Ques No: 57, QuesID : 794195

Subject: Gynaecology & Obstetrics

Topic: Gynecology

Sub-Topic:

Ovarian drilling is done in which of the following conditions?

O1:



Ovarian tumor
O2: Polycystic ovarian syndrome
O3: Ovarian hyperstimulation syndrome
O4: Endometriosis
Ans: 2

<p>Ques No: 58, QuesID : 794198 Subject: Gynaecology & Obstetrics Topic: Gynecology Sub-Topic:</p> <p>Which type of hysterectomy is done in a case of carcinoma cervix stage I B?</p>
O1: Type 1 hysterectomy
O2: Type 2 hysterectomy
O3: Type 3 hysterectomy
O4: Type 4 hysterectomy
Ans: 3

<p>Ques No: 59, QuesID : 794184 Subject: Pathology Topic: Liver, Biliary System and Pancreas Sub-Topic:</p> <p>Which of the following cells is responsible for destroying bacterial foreign bodies in liver sinusoids?</p>
O1: Hepatocytes
O2: Ito cells
O3: Sinusoidal endothelial cells
O4: Kupffer cells
Ans: 4

<p>Ques No: 60, QuesID : 794200 Subject: Pathology Topic: Gastrointestinal Tract</p>
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Sub-Topic:

Which of the following is a sensitive and specific marker of intestinal inflammation?

O1:

Procalcitonin

O2:

Fecal lactoferrin

O3:

Tissue transglutaminase IgA

O4:

High-sensitivity C-reactive protein

Ans: 2

Ques No: 61, QuesID : 794202

Subject: Pathology

Topic: CVS, Blood Vessels and Vasculitis

Sub-Topic:

A 65-year-old man dies due to myocardial infarction. Which stains can be used to see the infarct in the heart while conducting an autopsy?

O1:

Oil red O

O2:

Triphenyl tetrazolium chloride

O3:

Sudan black B

O4:

Masson trichrome

Ans: 2

Ques No: 62, QuesID : 794204

Subject: Pathology

Topic: Immunity

Sub-Topic:

A young person with recurrent seasonal conjunctivitis presents with itchiness and eye-watering. What is the most likely cell involved in the immediate phase of this condition?

O1:

Eosinophils

O2:

Mast cells

O3:

Neutrophils



O4:
Lymphocyte

Ans: 2

Ques No: 63, QuesID : 794206

Subject: Pathology

Topic: Skin and Musculoskeletal

Sub-Topic:

Which of the following is implicated in the pathogenesis of rheumatoid arthritis?

O1:
IgE mediated

O2:
Defective cellular and humoral immunity

O3:
Autoimmunity

O4:
Chronic microbial infections

Ans: 3

Ques No: 64, QuesID : 794210

Subject: Pathology

Topic: Respiratory System

Sub-Topic:

Asbestos exposure may be associated with which of the following malignancies?

O1:
Mesothelioma

O2:
Acute myeloid leukemia

O3:
Hepatic angiosarcoma

O4:
Skin carcinoma

Ans: 1

Ques No: 65, QuesID : 794176

Subject: Ophthalmology

Topic: Diseases of Lens

Sub-Topic:

Following cataract surgery, a patient comes with complaints of decreased visual acuity. On examination, posterior capsular opacification is seen. What type of laser can be used to treat this condition?



O1: Femto laser
O2: Nd YAG laser
O3: Argon fluoride
O4: Argon
Ans: 2

<p>Ques No: 66, QuesID : 794212 Subject: Pathology Topic: Skin and Musculoskeletal Sub-Topic:</p> <p>An 8-year-old boy presents with progressive muscle weakness and walking difficulties. On examination, pseudohypertrophy of calf muscles was noted. Which of the following is true regarding this condition?</p>
O1: Abnormal collagen
O2: Absent dystrophin
O3: Expansions of CTG triplet repeats
O4: Defective fibrillin
Ans: 2

<p>Ques No: 67, QuesID : 794192 Subject: Ophthalmology Topic: Diseases of Lens Sub-Topic:</p> <p>The 68-year-old female patient has had a diabetic cataract for 3 months. Accumulation of which of the following substances is responsible for this?</p>
O1: Glucose
O2: Fructose
O3: Lactose + Glucose
O4: Sorbitol + Fructose
Ans: 4



Ques No: 68, QuesID : 794217

Subject: Pathology

Topic: Renal System

Sub-Topic:

Following urine microscopy and examination, a child is found to have hematuria and RBC casts in the urine. What is the probable cause for this?

O1:

Focal segmental glomerulosclerosis (FSGS)

O2:

Post-streptococcal glomerulonephritis (PSGN)

O3:

Membranoproliferative glomerulonephritis (MPGN)

O4:

Minimal change disease

Ans: 2

Ques No: 69, QuesID : 794222

Subject: Ophthalmology

Topic: Squint / Strabismus

Sub-Topic:

Which of the following is the right lateral rectus yoke muscle?

O1:

Right superior oblique

O2:

Left medial rectus

O3:

Left lateral rectus

O4:

Right medial rectus

Ans: 2

Ques No: 70, QuesID : 794224

Subject: Pathology

Topic: Hematology: Red Blood Cells

Sub-Topic:

Which of the following is a feature of hemolytic anemia?

O1:

All of the options given below

O2:

Neutropenia

O3:



Reticulocytopenia

O4:

Decreased haptoglobin

Ans: 4

Ques No: 71, QuesID : 794232

Subject: Gynaecology & Obstetrics

Topic: Obstetrics

Sub-Topic:

A primigravida woman at 26 weeks gestation, presented with a BP of 150/90 mm Hg. Which test should be done next?

O1:

Uric acid

O2:

Liver function test

O3:

Complete blood count

O4:

Urine dipstick

Ans: 4

Ques No: 72, QuesID : 794227

Subject: Ophthalmology

Topic: Orbit

Sub-Topic:

In relation to which wall of the orbit is the canaliculi that open into the lacrimal sac present?

O1:

Lateral wall

O2:

Medial wall

O3:

Superior wall

O4:

Inferior wall

Ans: 2

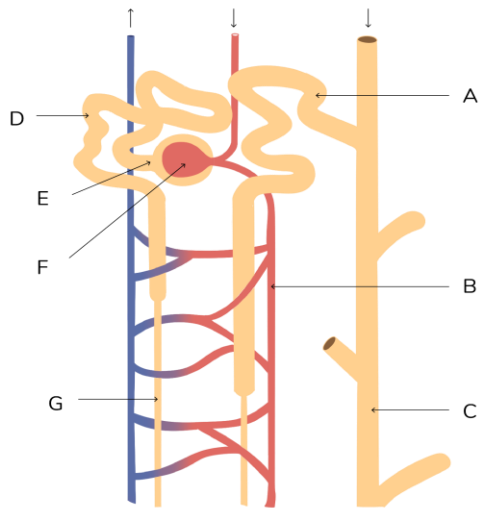
Ques No: 73, QuesID : 794190

Subject: Pharmacology

Topic: Renal Pharmacology

Sub-Topic:

A 50-year-old woman was prescribed a diuretic by a doctor to manage hypertension. Which of the following diuretic acts on the site 'A' is marked in the given image?



O1:
Furosemide

O2:
Hydrochlorothiazide

O3:
Acetazolamide

O4:
Mannitol

Ans: 2

Ques No: 74, QuesID : 794229

Subject: Pathology

Topic: Hematology: Red Blood Cells

Sub-Topic:

Which of the following correctly represents the effect of the mutation causing sickle cell anemia?

O1:
Glutamate by valine at the 6th position

O2:
Valine by glutamate at the 6th position

O3:
Glutamate by valine at the 5th position

O4:
Valine by glutamate at the 5th position

Ans: 1



Ques No: 75, QuesID : 794238

Subject: Pathology

Topic: Renal System

Sub-Topic:

Tamm-Horsfall mucoprotein is a major component of which of the following?

O1:

Mural thrombi

O2:

Curschmann spirals

O3:

Renal casts

O4:

Bence-Jones proteins

Ans: 3

Ques No: 76, QuesID : 794236

Subject: Ophthalmology

Topic: Optics

Sub-Topic:

A 3-year-old child has amblyopia in the right eye. What is the preferred treatment for this child?

O1:

Observation

O2:

Spectacles or refraction with a near addition

O3:

Occlusion Therapy

O4:

Radial keratotomy

Ans: 3

Ques No: 77, QuesID : 794219

Subject: Pharmacology

Topic: CVS Pharmacology

Sub-Topic:

Which of the following statement is correct regarding the mechanism of action of labetalol?

O1:

Directly acts as arterial vasodilator resulting in indirect effect tachycardia.

O2:

Blocks both alpha and beta-adrenergic receptors.

O3:



Primarily acts as a vasodilator with little effect on arterioles

O4:

Decreases peripheral vascular resistance by directly acting as a relaxant for vascular smooth muscles.

Ans: 2

Ques No: 78, QuesID : 794242

Subject: Ophthalmology

Topic: Retina

Sub-Topic:

A three-year-old boy has been observed by his parents to be increasingly clumsy for the past 6 months. On a physical examination, there is a cauliflower-like growth in the left eye, leukocoria, and an absent red reflex. The microscopic appearance of the specimen shows Flexner-Wintersteiner rosettes. Which is the positive gene in the given condition?

O1:

Rb gene

O2:

ATP 7B gene

O3:

Rhodopsin gene

O4:

FBN 1 gene

Ans: 1

Ques No: 79, QuesID : 794244

Subject: Pharmacology

Topic: CNS Pharmacology

Sub-Topic:

A psychiatrist prescribes lithium for a patient who is diagnosed with bipolar disorder. Which of the following statements is incorrect regarding lithium?

O1:

Lithium is teratogenic if given to pregnant females

O2:

Lithium toxicity is exacerbated with thiazide

O3:

Lithium can decrease thyroid hormone levels

O4:

Hemodialysis is not useful in lithium overdose

Ans: 4

Ques No: 80, QuesID : 794250

Subject: Ophthalmology

Topic: Diseases of Lens

Sub-Topic:



A 70-year-old patient who has been using presbyopia glasses for the past few years can now read the newspaper comfortably without the glasses. What is the most likely diagnosis?

O1:

Index myopia

O2:

Index hypermetropia

O3:

Regression of presbyopia

O4:

None of the above

Ans: 1

Ques No: 81, QuesID : 794240

Subject: Gynaecology & Obstetrics

Topic: Gynecology

Sub-Topic:

A patient presents with an endometrial thickness of 14mm with an adnexal mass. She has a history of complex endometrial hyperplasia with the presence of atypical cells. Which of the following is likely the diagnosis?

O1:

Struma ovarii

O2:

Metastasis endometrial cancer to ovary

O3:

Polycystic ovarian disease

O4:

Immature ovarian teratoma

Ans: 2

Ques No: 82, QuesID : 794252

Subject: Pharmacology

Topic: GIT Pharmacology

Sub-Topic:

Which of these drugs stimulates PPAR-alpha? PPAR alpha-Peroxisome proliferator-activated receptor alpha

O1:

Gemfibrozil

O2:

Ezetimibe

O3:

Colestipol

O4:

Simvastatin



Ans: 1

Ques No: 83, QuesID : 794247

Subject: Orthopaedics

Topic: Spine + Pelvis + Lower Limb Traumatology

Sub-Topic:

A 60-year-old female patient complains of pain and swelling in the left wrist following a fall on an outstretched hand. On examination, dinner fork deformity can be noticed. What is the most likely displacement seen in this patient?

O1:

Proximal and ventral displacement of radius

O2:

Proximal and dorsal displacement of radius

O3:

Proximal and dorsal displacement of ulna

O4:

Proximal and ventral displacement of ulna

Ans: 2

Ques No: 84, QuesID : 794257

Subject: Orthopaedics

Topic: Orthopedics Oncology

Sub-Topic:

A 17-year-old boy presents to the clinic complaining of a painless lump on the lateral aspect of his left knee. The radiograph of the patient is shown below. Which of the following is the most likely diagnosis?



O1:

Enchondroma

O2:

Chondroblastoma



O3:

Osteochondroma

O4:

Giant cell tumor

Ans: 3

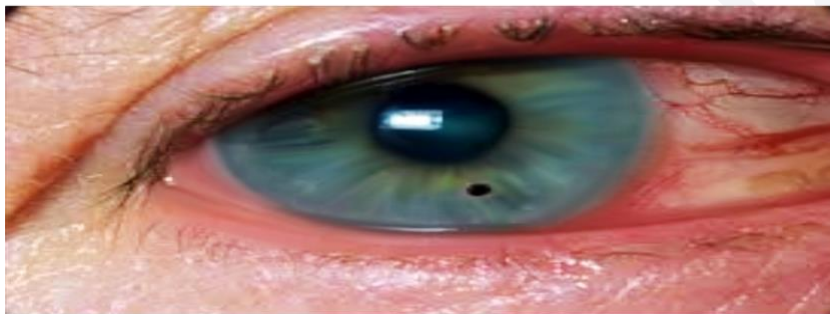
Ques No: 85, QuesID : 794254

Subject: Ophthalmology

Topic: Cornea

Sub-Topic:

A patient presents to you with pain and redness in the right eye following an injury during welding. On examination, the image as seen below is observed. Which of the following is the appropriate next step in managing this patient?



O1:

Steroids and antibiotics

O2:

Surgical exploration

O3:

Keratoplasty

O4:

Removal by 26G needle

Ans: 4

Ques No: 86, QuesID : 794259

Subject: Pharmacology

Topic: Respiratory Pharmacology

Sub-Topic:

A patient comes to you with increased cough, increased breathlessness, and decreased exercise capacity. Chest X-ray shows pulmonary fibrosis. Which drug can be administered in the given condition?

O1:

Bortezomib



O2:

Roflumilast

O3:

Imatinib

O4:

Pirfenidone

Ans: 4

Ques No: 87, QuesID : 794266

Subject: Orthopaedics

Topic: Arthritis

Sub-Topic:

An elderly patient with the following deformity was brought to the OPD. What is the most probable diagnosis?



O1:

Rickets

O2:

Osteomalacia

O3:

Osteoarthritis

O4:

Rheumatoid arthritis

Ans: 4

Ques No: 88, QuesID : 794270

Subject: Orthopaedics

Topic: Orthopedics Oncology

Sub-Topic:

A 20-year-old patient presents with painful swelling in the middle finger around the proximal phalanx. An X-ray was done, and it is shown below. What is the most likely diagnosis?



O1:
Osteosarcoma

O2:
Ewing's sarcoma

O3:
Osteoclastoma

O4:
Enchondroma

Ans: 4

Ques No: 89, QuesID : 794261

Subject: PSM

Topic: Vaccines and Cold Chain

Sub-Topic:

A study was conducted to compare MMR vaccine history in children with autism and children without autism. What kind of study is being done here?

O1:
Cross-sectional study

O2:
Cohort study

O3:
Case-control study



O4:

Clinical trial

Ans: 3

Ques No: 90, QuesID : 794277

Subject: Orthopaedics

Topic: General + Upper Limb Traumatology

Sub-Topic:

An 80-year-old female patient with a history of slip and fall in the bathroom was brought to the casualty. She is having pain in the left hip and is unable to walk. She has no history of osteoarthritis. On examination, the left lower limb is shortened and externally rotated. X-ray findings are shown below. How will you manage this patient?



O1:

Internal fixation with cancellous screws

O2:

Meyer's operation

O3:

Hemiarthroplasty

O4:

McMurray's osteotomy

Ans: 3

Ques No: 91, QuesID : 794274

Subject: PSM

Topic: Biostatistics

Sub-Topic:

The urban area of Delhi has 4000 people with different religions. Research is being done to study the dietary habits of the population. Which of the following techniques can be used to obtain a study sample?

O1:

Cluster random sampling



O2:

Stratified random sampling.

O3:

Simple random sampling

O4:

Systematic random sampling

Ans: 2

Ques No: 92, QuesID : 794264

Subject: Pharmacology

Topic: GIT Pharmacology

Sub-Topic:

Which drug is most appropriate for treating diarrhea in a patient treated for colorectal carcinoma with 5-fluorouracil?

O1:

Ciprofloxacin

O2:

Loperamide

O3:

Atropine

O4:

Ornidazole

Ans: 2

Ques No: 93, QuesID : 794283

Subject: Gynaecology & Obstetrics

Topic: Obstetrics

Sub-Topic:

All of the following are true about audit in obstetrics except:

O1:

Improve treatment

O2:

Change in hospital administration and practices

O3:

Fetal death data is analyzed

O4:

Should be done before analyzing outcomes

Ans: 4

Ques No: 94, QuesID : 794272

Subject: Pharmacology

Topic: GIT Pharmacology

Sub-Topic:



Which of the following drugs are used to treat chemotherapy-induced nausea and vomiting?

O1:

Doxylamine + domperidone + aprepitant

O2:

Prochlorperazine + metoclopramide + domperidone

O3:

Dexamethasone + metoclopramide + domperidone

O4:

Granisteron + dexamethasone + aprepitant

Ans: 4

Ques No: 95, QuesID : 794288

Subject: Gynaecology & Obstetrics

Topic: Gynecology

Sub-Topic:

How long should a couple use contraception post-vasectomy?

O1:

4-6 weeks

O2:

9-11 weeks

O3:

12-16 weeks

O4:

16-20 weeks

Ans: 3

Ques No: 96, QuesID : 794285

Subject: PSM

Topic: National Health Programs

Sub-Topic:

Which of the following is not a component of the RCH program?

O1:

Safe motherhood

O2:

Women education and empowerment

O3:

Children and new-born care

O4:

Screening and treatment of STD/RTI

Ans: 2

Ques No: 97, QuesID : 794293

Subject: Pharmacology

Topic: Anticancer Drugs

**Sub-Topic:**

A patient on anti-cancer therapy developed an infection. Blood analysis revealed neutropenia. Which of the following drug is likely to be effective in this patient?

O1:

Romiplostim

O2:

Oprelvekin

O3:

Filgrastim

O4:

Epoetin alfa

Ans: 3

Ques No: 98, QuesID : 794302

Subject: Gynaecology & Obstetrics**Topic:** Obstetrics**Sub-Topic:**

In a primigravida what is a satisfactory dilation rate?

O1:

0.5 cm/ hr

O2:

0.75 cm/hr

O3:

1.2 cm/ hr

O4:

1.5 cm/hr

Ans: 3

Ques No: 99, QuesID : 794299

Subject: PSM**Topic:** Social Sciences and Health**Sub-Topic:**

A surveyor visits a household consisting of a 35-year-old man, his wife who is 6 weeks pregnant and a 3-year-old child. The man's brother along with his wife is currently visiting them for a month owing to winter vacation. What type of family would the surveyor classify the household?

O1:

Joint family

O2:

Nuclear family

O3:

Extended family

O4:



Third generation family

Ans: 2

Ques No: 100, QuesID : 794310

Subject: Gynaecology & Obstetrics

Topic: Obstetrics

Sub-Topic:

What is the definition of a post-term neonate?

O1:

Neonate born after 37 weeks of gestation

O2:

Neonate born between 37-40 weeks of gestation

O3:

Neonate born after 40 weeks of gestation

O4:

Neonate born after 42 weeks of gestation

Ans: 4

Ques No: 101, QuesID : 794281

Subject: Dermatology

Topic: Miscellaneous Disorders

Sub-Topic:

A baby presents to the OPD; the image below shows the findings. What is the probable diagnosis?



O1:

Portwine stain

O2:

Cavernous hemangioma

O3:

Naevus simplex

O4:

Capillary hemangioma

Ans: 4



Ques No: 103, QuesID : 794317

Subject: PSM

Topic: Preventive Medicine in Obstetrics, Pediatrics and Geriatrics

Sub-Topic:

The ideal per capita space for students in a classroom should be

O1:

>5 sq. ft.

O2:

>10 sq. ft.

O3:

>15 sq. ft.

O4:

>20 sq. ft.

Ans: 2

Ques No: 104, QuesID : 794320

Subject: PSM

Topic: Concept of Health and Disease

Sub-Topic:

What is the denominator in infant mortality rate?

O1:

100

O2:

1000

O3:

10,000

O4:

1,00,000

Ans: 2

Ques No: 105, QuesID : 794296

Subject: Dermatology

Topic: Papulosquamous Disorders

Sub-Topic:

A 50-year-old female patient with a known case of ovarian cancer presents with difficulty in activities like climbing stairs, getting up from a chair, combing hair, etc. The following characteristic sign was found on examination. The most probable diagnosis is:



O1:
Systemic lupus erythematosus

O2:
Dermatomyositis

O3:
Systemic sclerosis

O4:
Cushing syndrome

Ans: 2

Ques No: 106, QuesID : 794308

Subject: Pharmacology

Topic: CNS Pharmacology

Sub-Topic:

A young male patient presents with ptosis and muscle weakness, which reportedly worsens in the evening and improves in the morning. This is relieved by neostigmine. What is the likely diagnosis?

O1:
Myasthenia gravis

O2:
Huntington chorea

O3:
Amyotrophic lateral sclerosis

O4:
External ophthalmoplegia

Ans: 1

Ques No: 107, QuesID : 794322

Subject: Dermatology

Topic: Introduction to Dermatology

Sub-Topic:

An 18-year-old female patient comes with the following findings. Which of the following is pathognomonic of the primary stage of this disease?



O1:

Papule

O2:

Pustule

O3:

Abscess

O4:

Comedone

Ans: 4

Ques No: 108, QuesID : 794326

Subject: PSM

Topic: Demography and Health

Sub-Topic:

Highest birth rate is seen in which stage of the demographic cycle?

O1:

Stage I

O2:

Stage II

O3:

Stage III

O4:

Stage IV

Ans: 1

Ques No: 109, QuesID : 794330

Subject: Dermatology



Topic: Papulosquamous Disorders

Sub-Topic:

A 26-year-old male presented with erythematous plaques covered with silvery scales over the extensor surfaces of both arms. Punctate pitting was noted on examining the nails. What is the most likely diagnosis?



O1:
Psoriasis

O2:
Lichen planus

O3:
Eczema

O4:
Pityriasis rosea

Ans: 1

Ques No: 110, QuesID : 794328

Subject: PSM

Topic: Health Education and Communication

Sub-Topic:

During a vaccination drive, a male patient asks the presiding doctor if the recommended vaccine can lead to impotency. What type of barrier will the doctor be addressing?

O1:
Physical barrier

O2:
Environmental barrier



O3:

Physiological barrier

O4:

Cultural barrier

Ans: 4

Ques No: 111, QuesID : 794336

Subject: PSM

Topic: National Health Programs

Sub-Topic:

A primigravida delivers a healthy baby via normal delivery. After how many hours should she initiate breastfeeding?

O1:

Within 1 hour

O2:

After 1 hour

O3:

After 4-6 hours

O4:

After 24 hours

Ans: 1

Ques No: 112, QuesID : 794324

Subject: Surgery

Topic: Gastrointestinal Surgery

Sub-Topic:

A diabetic patient developed DVT with a necrolytic migratory rash. What is the most likely diagnosis?

O1:

Insulinoma

O2:

Gastrinoma

O3:

Glucagonoma

O4:

VIPoma

Ans: 3

Ques No: 113, QuesID : 794342

Subject: PSM

Topic: Vaccines and Cold Chain

Sub-Topic:

A pregnant woman with a 2-year-old child gives a history of completing required antenatal



vaccinations during her previous pregnancy. Which of the following would you recommend for her current pregnancy?

O1:

Give a booster dose of TT

O2:

Give a booster dose of Td

O3:

Give 2 doses of TT

O4:

Give 2 doses of Td

Ans: 2

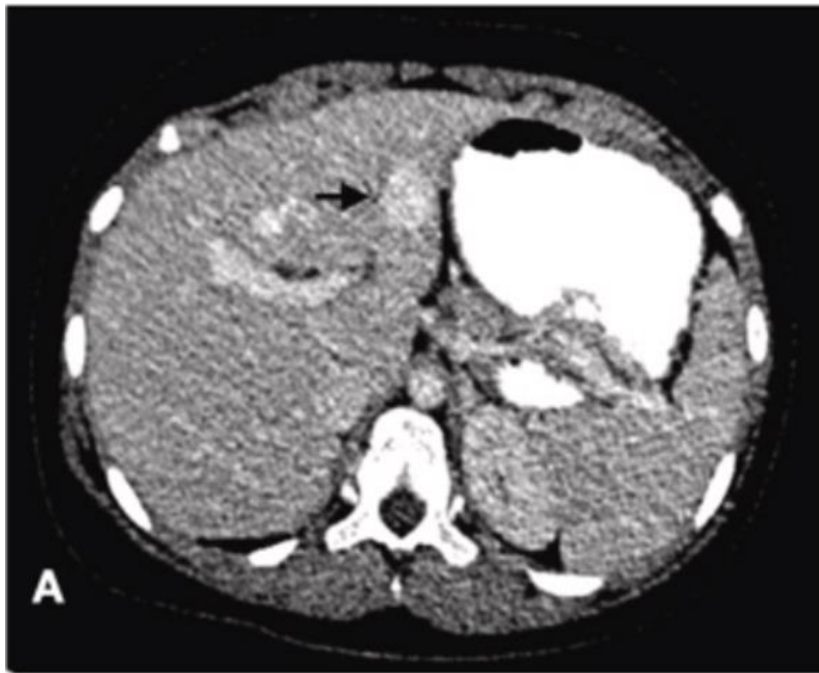
Ques No: 114, QuesID : 794334

Subject: Surgery

Topic: Urology

Sub-Topic:

A 44-year-old lady presents to the hospital with a ballotable flank mass. On CT imaging, the mass measures 4cm. Urine examination shows malignant cells. What is the most appropriate management for her condition?



O1:

Partial nephrectomy

O2:

Partial nephrectomy + neoadjuvant chemotherapy

O3:

Radical nephrectomy

O4:



Radical nephrectomy + postoperative radiotherapy

Ans: 1

Ques No: 115, QuesID : 794344

Subject: PSM

Topic: Communicable and Non-communicable Diseases

Sub-Topic:

A patient comes with a history of category 3 dog bites. He received prophylaxis for a monkey bite 6 months back. What is the next step in management?

RIG-Rabies immunoglobulin

O1:

Wound cleaning only

O2:

Wound cleaning+ rabies vaccine on day 0 & 3

O3:

Wound cleaning+rabies vaccine on day 0,3 & 7

O4:

Wound cleaning+IM vaccine +RIG

Ans: 2

Ques No: 116, QuesID : 794332

Subject: Dermatology

Topic: Papulosquamous Disorders

Sub-Topic:

A patient presented with itchy lesions, as shown below. What is the diagnosis?



O1:

Scabies

O2:

Lichen planus

O3:

Psoriasis



O4:

Warts

Ans: 2

Ques No: 117, QuesID : 794346

Subject: Surgery

Topic: Urology

Sub-Topic:

Which of the following will have unilateral hydronephrosis?

O1:

Phimosis

O2:

Posterior urethral valves

O3:

Urethral strictures

O4:

Retrocaval ureter

Ans: 4

Ques No: 118, QuesID : 794315

Subject: Medicine

Topic: Pulmonology

Sub-Topic:

A 65-year-old male presented with unexplained fever and prolonged respiratory distress despite appropriate treatment. A diagnosis of cryptic tuberculosis was made. Which of the following is the correct statement related to this condition?

O1:

Positive skin tuberculin test and negative chest X-ray

O2:

Positive skin tuberculin test and positive chest X-ray

O3:

Negative skin tuberculin test and negative chest X-ray

O4:

Negative skin tuberculin test and positive chest X-ray

Ans: 3

Ques No: 119, QuesID : 794348

Subject: PSM

Topic: Concept of Health and Disease

Sub-Topic:

A government plans to outline tobacco control laws. What is the level of prevention here?

O1:

Primordial prevention



O2:

Primary prevention

O3:

Secondary prevention

O4:

Tertiary prevention

Ans: 2

Ques No: 120, QuesID : 794352

Subject: PSM

Topic: Concept of Health and Disease

Sub-Topic:

Hand washing during COVID-19 is what level of prevention?

O1:

Primordial prevention

O2:

Primary prevention

O3:

Secondary prevention

O4:

Tertiary prevention

Ans: 2

Ques No: 121, QuesID : 794338

Subject: Medicine

Topic: Pulmonology

Sub-Topic:

Ground-glass appearance on HRCT is seen in which of the following condition?

O1:

Asbestosis

O2:

Silicosis

O3:

Anthraxis

O4:

Bagassosis

Ans: 2

Ques No: 122, QuesID : 794355

Subject: Medicine

Topic: Liver

Sub-Topic:

Which of the following is not a component of Child-Pugh scoring?



O1: Albumin
O2: Bilirubin
O3: Prothrombin Time
O4: LFT
Ans: 4

<p>Ques No: 123, QuesID : 794359 Subject: Medicine Topic: Infections Sub-Topic:</p> <p>A patient presented with a fever for 11 days with neck rigidity. A lumbar puncture was done, and it showed predominantly lymphocytes, sugar- 50mg, and protein- 3000mg/dl. Gram-staining was negative. The patient's chest X-ray shows upper lobe involvement with hilar lymph node enlargement. What is the probable diagnosis?</p>
O1: Tuberculous meningitis
O2: Bacterial meningitis
O3: Fungal meningitis
O4: Viral meningitis
Ans: 1

<p>Ques No: 124, QuesID : 794340 Subject: Psychiatry Topic: Mood Disorders Sub-Topic:</p> <p>A 38-year-old professor with depression requests you to prescribe an antidepressant that would be least likely to cause sexual dysfunction. Which of the following drugs would you prescribe?</p>
O1: Bupropion
O2: Escitalopram
O3: Venlafaxine
O4: Fluoxetine



Ans: 1

Ques No: 125, QuesID : 794363

Subject: Psychiatry

Topic: Organic Mental Disorders

Sub-Topic:

The Mental State Examination (100-7) examines which of the following mental functions?

O1:

Judgment

O2:

Language

O3:

Orientation

O4:

Concentration

Ans: 4

Ques No: 126, QuesID : 794367

Subject: Psychiatry

Topic: Substance-Related and Addictive Disorders

Sub-Topic:

What is the most common symptom of cannabis intake?

O1:

Anxiety

O2:

Depressed mood

O3:

Dream-like state

O4:

Decreased appetite

Ans: 3

Ques No: 127, QuesID : 794370

Subject: Psychiatry

Topic: Schizophrenia Spectrum and Other Psychotic Disorders

Sub-Topic:

You see a middle-aged man presenting to the psychiatry OPD who reports aliens have been speaking to him and telling him to kill his relatives over the past 7 months. What is the likely diagnosis?

O1:



Mania
O2: Delusional disorder
O3: Schizophrenia
O4: Brief psychotic disorder
Ans: 3

<p>Ques No: 128, QuesID : 794357 Subject: PSM Topic: Preventive Medicine in Obstetrics, Pediatrics and Geriatrics Sub-Topic:</p> <p>School health service should include all the following except</p>
O1: Education of handicapped children
O2: Doctor on premises
O3: Dental and eye health services
O4: School health records
Ans: 2

<p>Ques No: 129, QuesID : 794361 Subject: Medicine Topic: Neurology Sub-Topic:</p> <p>A young patient presents with a severe headache. He has never experienced a headache of this severity before. He has hypertension and nuchal rigidity on examination. Which of the following could be the diagnosis?</p>



O1:
Cluster headache

O2:
Subarachnoid haemorrhage

O3:
Encephalitis

O4:
Meningitis

Ans: 2

Ques No: 130, QuesID : 794374

Subject: PSM

Topic: Health Education and Communication

Sub-Topic:

Giving class in a village for wound care after a dog bite by enacting it is which mode of health communication?

O1:
Lecture

O2:
Group discussion

O3:
Flash cards

O4:
Demonstration

Ans: 4

Ques No: 131, QuesID : 794350

Subject: Surgery

Topic: Urology

Sub-Topic:



Which of the following statements is false about the following image?



O1: Staph. aureus is the causative organism

O2: Common in diabetic patients

O3: High mortality

O4: The testes remain unaffected

Ans: 1

Ques No: 132, QuesID : 794376

Subject: PSM

Topic: Epidemiology

Sub-Topic:

Infectivity is also known as?

O1:

Incubation

O2:

Serial interval

O3:

Secondary attack rate

O4:

Case fatality rate

Ans: 3

Ques No: 133, QuesID : 794382

Subject: PSM

Topic: Health Education and Communication

Sub-Topic:

Which of the following statements is true about health propaganda?

O1:



It is actively acquired
O2: It appeals to emotions
O3: It is behaviour centred
O4: It aids in developing a reflective behaviour
Ans: 2

Ques No: 134,QuesID : 794365 Subject: Medicine Topic: Pulmonology Sub-Topic: Which of the following is a cause of exudative pleural effusion?
O1: Heart failure
O2: Liver failure
O3: Rheumatoid arthritis
O4: Nephrotic syndrome
Ans: 3

Ques No: 135,QuesID : 794378 Subject: Surgery Topic: Urology Sub-Topic: Involvement of which of the following structures leads to the clinical presentation as shown in the image?



O1:
a. Superficial lymphatics

O2:
b. Deep lymphatics

O3:
c. Superficial veins

O4:
d. Skin

Ans: 1

Ques No: 136, QuesID : 794387

Subject: PSM

Topic: Concept of Health and Disease

Sub-Topic:

How much percent of GNP does WHO recommend being spent on the healthcare sector?

O1:
2.0%

O2:
2.5%

O3:
3.5%

O4:
5%

Ans: 4

Ques No: 137, QuesID : 794372

Subject: Forensic Medicine

Topic: Sexual Jurisprudence

Sub-Topic:



Which of the following tests cannot be used to detect blood stains?

O1:
Barberio's test

O2:
Takayama's test

O3:
Teichman's test

O4:
Spectroscopy

Ans: 1

Ques No: 138, QuesID : 794392

Subject: PSM

Topic: National Health Programs

Sub-Topic:

Eligible couple registers are maintained at which of the following centres?

O1:
PHC

O2:
CHC

O3:
Sub-centre

O4:
District hospital

Ans: 3

Ques No: 139, QuesID : 794389

Subject: Surgery

Topic: Others

Sub-Topic:

A 60-year-old patient presents with painless hematuria. He is diagnosed with bladder cancer involving the muscle layer. What is the next best step in the treatment of this patient?

O1:
Intravesical administration of BCG

O2:
Radiotherapy

O3:
Neoadjuvant chemotherapy with Mitomycin C

O4:
Radical cystectomy

Ans: 4



Ques No: 140, QuesID : 794384

Subject: Forensic Medicine

Topic: Indian Legal System & Medical Jurisprudence

Sub-Topic:

Inquest in a case of custodial death is handled by

O1:

Police inspector

O2:

Jail superintendent

O3:

Superintendent of Police

O4:

Executive magistrate

Ans: 4

Ques No: 141, QuesID : 794398

Subject: PSM

Topic: Nutrition and Health

Sub-Topic:

You are administering an 8-month-old infant with vitamin A supplements over the course of 2 consecutive days. What is the recommended dose?

O1:

25,000 IU

O2:

50,000 IU

O3:

100,000 IU

O4:

200,000 IU

Ans: 3

Ques No: 142, QuesID : 794380

Subject: Medicine

Topic: Neurology

Sub-Topic:

A 26-year-old male with a history of respiratory tract infection 4 weeks ago is unable to stand or walk for the past 2 weeks and the weakness is progressive, ascending, and symmetrical in nature. The lower limbs were involved before and gradually the upper limbs were also affected. On examination you note areflexia. Pain and proprioception are preserved. What is the probable diagnosis?

O1:

Guillain Barre syndrome

O2:



Myasthenia gravis

O3:

Polymyositis

O4:

Multiple sclerosis

Ans: 1

Ques No: 143, QuesID : 794396

Subject: Surgery

Topic: Endocrine Surgery

Sub-Topic:

Which of the following is the class of shock where urine output is first decreased?

O1:

a. Compensated

O2:

b. Moderate

O3:

c. Mild

O4:

d. Severe

Ans: 2

Ques No: 144, QuesID : 794401

Subject: Forensic Medicine

Topic: Violent Asphyxia Deaths

Sub-Topic:

Identify the type of homicide caused by smothering and traumatic asphyxia.

O1:

Mugging

O2:

Garroting

O3:

Burking

O4:

Bansdola

Ans: 3

Ques No: 145, QuesID : 794404

Subject: PSM

Topic: Nutrition and Health

Sub-Topic:

Which vitamin deficiency causes xerophthalmia, a condition which causes dry eyes?



O1: Vitamin A
O2: Vitamin B
O3: Vitamin C
O4: Vitamin D
Ans: 1

<p>Ques No: 146, QuesID : 794406 Subject: Surgery Topic: Gastrointestinal Surgery Sub-Topic:</p> <p>A 28-year-old mother presents with pain in her left breast. Which of the following is the most likely cause of acute mastitis?</p>
O1: Breast engorgement
O2: Hormonal influence
O3: .Absence of lactation
O4: .Crack in the nipple
Ans: 4

<p>Ques No: 147, QuesID : 794408 Subject: Forensic Medicine Topic: Indian Legal System & Medical Jurisprudence Sub-Topic:</p> <p>According to the law, nothing is an offense if a person is of an unsound mind and is not able to understand that the nature and consequences of his/her act are wrong. Which rule of insanity applies in this case?</p>
O1: Durham's rule
O2: Mc Naughton's rule
O3: Curren's rule
O4: Irresistible impulse rule
Ans: 2



Ques No: 148, QuesID : 794394

Subject: Medicine

Topic: Neurology

Sub-Topic:

An HIV-positive man presents with a high-grade fever. Examination reveals a positive Kernig's sign. CSF shows reduced glucose, increased protein, and increased leukocytes. A diagnosis of cryptococcal meningitis is made. What is the appropriate management for this patient?

O1:

Vancomycin

O2:

High dose fluconazole with flucytosine

O3:

Voriconazole

O4:

Liposomal amphotericin B

Ans: 4

Ques No: 149, QuesID : 794410

Subject: Surgery

Topic: Hepatobiliary Pancreatic Surgery

Sub-Topic:

Which of the following is not true about CHPS? CHPS - Congenital hypertrophic pyloric stenosis

O1:

a. Presents with non-bilious vomiting

O2:

b. Caused by hypertrophy of longitudinal muscles

O3:

c. USG is very sensitive in diagnosing this condition

O4:

d. Hypokalemic metabolic alkalosis seen

Ans: 2

Ques No: 150, QuesID : 794418

Subject: Surgery

Topic: Cardiothoracic Vascular Surgery

Sub-Topic:

A chronic-alcoholic presents to the emergency room with acute pain abdomen in the epigastric region radiating to the back with nausea, anorexia, and occasional vomiting. Investigations showed elevated amylase levels and total count. Likely diagnosis is

O1:

a. Acute hepatitis

O2:

b. Acute pancreatitis



O3:

c.Acute Cholecystitis

O4:

d.Acute appendicitis

Ans: 2

Ques No: 151,QuesID : 794429

Subject: Forensic Medicine

Topic: Forensic Toxicology

Sub-Topic:

In which poisoning is cherry red hypostasis seen on post-mortem examination?

O1:

CO Poisoning

O2:

Hydrogen sulphide

O3:

Yellow phosphorus

O4:

Hydrogen cyanide

Ans: 1

Ques No: 152,QuesID : 794431

Subject: Forensic Medicine

Topic: Forensic Thanatology

Sub-Topic:

All of the following changes occur in chronic starvation except?

O1:

Hyperthermia

O2:

Exhaustion

O3:

Heart atrophy

O4:

Hypotension

Ans: 1

Ques No: 153,QuesID : 794416

Subject: PSM

Topic: Family Planning and Contraceptives

Sub-Topic:

The shelf life of copper T 380 A is



O1:

3 years

O2:

5 years

O3:

7 years

O4:

10 years

Ans: 4

Ques No: 154, QuesID : 794427

Subject: Surgery

Topic: Cardiothoracic Vascular Surgery

Sub-Topic:

All of the following are superior mediastinal tumors except:

O1: Parathyroid

O2: Lymphoma

O3: Thyroid

O4: Thymus

Ans: 2

Ques No: 155, QuesID : 794435

Subject: Forensic Medicine

Topic: Indian Legal System & Medical Jurisprudence

Sub-Topic:

A public witness of the incident is asked to attend the court and record his evidence. Which type of evidence is provided by the witness to the court?

O1:

Oral evidence

O2:

Hearsay evidence

O3:

Subpoena

O4:

Circumstantial evidence

Ans: 1

Ques No: 156, QuesID : 794437

Subject: Surgery

Topic: Endocrine Surgery

Sub-Topic:

A 73 yr old male smoker with a past history of coronary artery disease presents with



blackening of the toes. An image of the foot is shown below. What is the most likely diagnosis?



O1:

a. Buerger's disease

O2:

b. Atherosclerosis

O3:

c. Raynaud's disease

O4:

d. Giant cell arteritis

Ans: 2

Ques No: 157, QuesID : 794441

Subject: Surgery

Topic: Urology

Sub-Topic:

A 50-year-old woman after thyroidectomy comes to you for a 2nd opinion for further treatment of papillary thyroid cancer. What would you recommend for this patient?

O1: Radiotherapy

O2: Chemotherapy

O3: Radioiodine scan

O4: Wait and watch.

Ans: 3

Ques No: 158, QuesID : 794439

Subject: Forensic Medicine

Topic: Forensic Toxicology

Sub-Topic:

Which of the following is NOT a symptom associated with chronic cocaine abuse?



O1: Nasal/palatal perforation.
O2: Dilated pupils, rapid pulse and sweating.
O3: Black tongue and teeth.
O4: Hallucination of insects crawling on the skin (formication).
Ans: 2

Ques No: 159, QuesID : 794433 Subject: PSM Topic: Health Education and Communication Sub-Topic: Confidentiality is maintained in which of the following conditions?
O1: Group discussion
O2: Counselling
O3: Panel discussion
O4: Seminar
Ans: 2

Ques No: 160, QuesID : 794445 Subject: Surgery Topic: Urology Sub-Topic: A patient who was diagnosed with prostate cancer is being investigated. The bone scan is reported as a super scan with increased uptake in the bones and reduced activity in the spleen. What is the reason for this super scan appearance?
O1: Increased uptake due to diffuse metastasis
O2: Increased uptake by carcinoma prostate
O3: Increased uptake by the bone
O4: Decreased uptake by adrenal glands and kidney
Ans: 1

Ques No: 161, QuesID : 794447



Subject: Forensic Medicine

Topic: Forensic Toxicology

Sub-Topic:

A 50-year-old factory worker was brought to the emergency room with complaints of headache, vomiting, and blurring of vision after he consumed local spirit. Which of the following is used for the treatment of his condition?

O1:

Fomepizole

O2:

Flumazenil

O3:

N-acetyl cysteine

O4:

Naloxone

Ans: 1

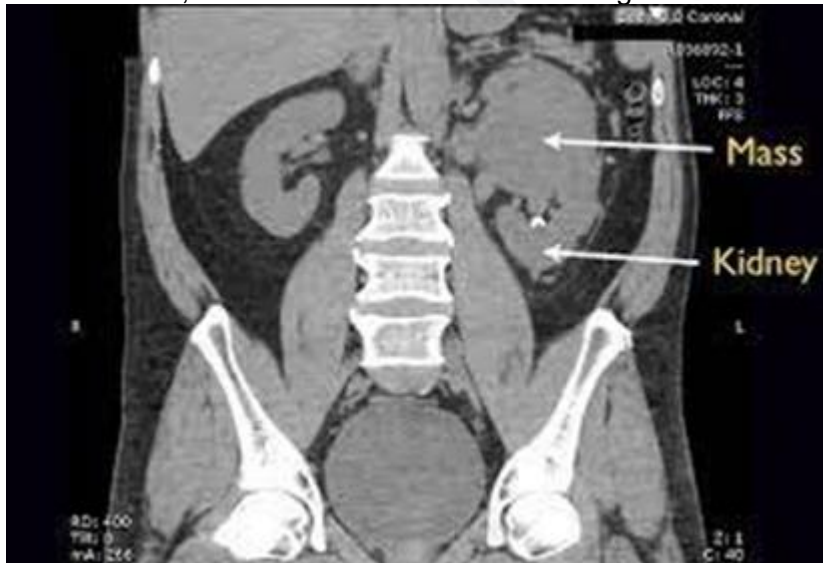
Ques No: 162, QuesID : 794449

Subject: Surgery

Topic: Endocrine Surgery

Sub-Topic:

A 55-year-old male patient presents with hematuria and a neovascular mass in the left kidney on a CT scan, as shown below. What is the diagnosis?



O1:

a. Renal cell carcinoma

O2:

b. Renal oncocytoma

O3:

c. Renal angiomyolipoma



O4:

Renal cyst

Ans: 3

Ques No: 163, QuesID : 794443

Subject: PSM

Topic: Allied Health Disciplines

Sub-Topic:

An 8 weeks pregnant woman, working in an industry, consults a doctor. According to the ESI act, what is the duration of maternity leave that she can get?

O1:

4 months

O2:

28 weeks, starting from 4 weeks after delivery

O3:

26 weeks, starting from 8 weeks before delivery

O4:

9 months

Ans: 3

Ques No: 164, QuesID : 794453

Subject: Surgery

Topic: Endocrine Surgery

Sub-Topic:

Which of the following is the best imaging modality to diagnose neuroendocrine tumors (NETs)?

O1:

a. USG

O2:

b. CT

O3:

c. MRI

O4:

d. PET

Ans: 4

Ques No: 165, QuesID : 794414

Subject: Medicine

Topic: Endocrinology

Sub-Topic:

A 29-year-old male patient presents to the OPD with a 10-year history of coarse facial features and progressive enlargement of the hands and feet. Laboratory evaluation revealed elevated IGF-1 and non-suppressible growth hormone levels after the 75 g glucose challenge test. A



diagnosis of acromegaly is made. Which of the following drugs is preferred for the management of this patient?

O1:

Lanreotide depot formulation

O2:

Terlipressin

O3:

Ketoconazole

O4:

Leuprolide

Ans: 1

Ques No: 166, QuesID : 794457

Subject: Surgery

Topic: Endocrine Surgery

Sub-Topic:

Genetic testing for BRCA 1/BRCA 2 is indicated for all of the following except:

O1:

a. Breast cancer diagnosed in a postmenopausal female >50 years of age

O2:

b. Male breast cancer

O3:

Bilateral breast cancer

O4:

d. Breast and ovarian cancer

Ans: 1

Ques No: 167, QuesID : 794455

Subject: PSM

Topic: National Health Programs

Sub-Topic:

Which of the following is a first-line antitubercular drug prescribed in the initial 2 months of treatment?

O1:

Streptomycin

O2:

Ethambutol

O3:

Linezolid

O4:

Levofloxacin

Ans: 2

Ques No: 168, QuesID : 794461



Subject: Surgery

Topic: Urology

Sub-Topic:

A 51-year-old lady presents with complaints of a mass in the right breast. On examination, the mass was larger than 5 cm and ipsilateral mobile axillary lymph nodes were present. What is the staging, considering the mass is malignant?

O1:

a.CT3N1MO

O2:

yT4N1M0

O3:

c.CT4N1MO

O4:

d.yT3N1M0

Ans: 1

Ques No: 169,QuesID : 794459

Subject: PSM

Topic: Environment and Health

Sub-Topic:

The process in the oxidation pond is ____

O1:

Always aerobic

O2:

Always anaerobic

O3:

Aerobic during day, anaerobic during night

O4:

Anaerobic during day, aerobic during night

Ans: 3

Ques No: 170,QuesID : 794465

Subject: Surgery

Topic: Gastrointestinal Surgery

Sub-Topic:

Which lymph node is most commonly involved in prostate cancer?

O1:

a.Deep inguinal

O2:

b.Pelvic

O3:

c.Superficial inguinal

O4:



d.Internal iliac

Ans: 2

Ques No: 171,QuesID : 794467

Subject: PSM

Topic: Epidemiology

Sub-Topic:

Which of the following is true regarding the single exposure point source epidemic?

O1:

Has more than one incubation period

O2:

Has multiple peaks

O3:

Explosive in nature.

O4:

Slow rise and fall

Ans: 3

Ques No: 172,QuesID : 794469

Subject: Surgery

Topic: Cardiothoracic Vascular Surgery

Sub-Topic:

Which of the following procedures has the highest risk of causing the recurrence of duodenal ulcers?

O1:

a.Gastrectomy

O2:

b.Highly selective vagotomy

O3:

c.Truncal vagotomy

O4:

Gastro-jejunostomy

Ans: 2

Ques No: 173,QuesID : 794425

Subject: Medicine

Topic: Hematology

Sub-Topic:

Elective splenectomy is preferred in which of the following conditions?

O1:

G6PD deficiency-Glucose-6-phosphate dehydrogenase deficiency

O2:

Paroxysmal nocturnal hemoglobinuria



O3:

Hereditary spherocytosis

O4:

Hairy cell leukemia

Ans: 3

Ques No: 174, QuesID : 794471

Subject: PSM

Topic: Allied Health Disciplines

Sub-Topic:

Sickness absenteeism of workers in the industry is used to evaluate

O1:

Health of the worker

O2:

Health of the family

O3:

Industrial environment

O4:

Community health

Ans: 1

Ques No: 175, QuesID : 794475

Subject: PSM

Topic: Nutrition and Health

Sub-Topic:

The incisors of a child who had white patches on them which later turned brown are due to excessive supplementation of which of the following?

O1:

Vitamin A

O2:

Chlorine

O3:

Fluorine

O4:

Riboflavin

Ans: 3

Ques No: 176, QuesID : 794479

Subject: Pediatrics

Topic: Nutrition and Malnutrition

Sub-Topic:

What is the fluid of choice for shock in a child with severe acute malnutrition?

O1:



Normal saline
O2: Ringer lactate
O3: 10% dextrose
O4: Ringer's lactate with 5% dextrose
Ans: 4

<p>Ques No: 177,QuesID : 794482 Subject: Pediatrics Topic: Neonatology Sub-Topic:</p> <p>How much oxygen is given to a term infant with respiratory distress during resuscitation?</p>
O1: 21%
O2: 50%
O3: 70%
O4: 100%
Ans: 1

<p>Ques No: 178,QuesID : 794484 Subject: Pediatrics Topic: Inborn Errors of Metabolism Sub-Topic:</p> <p>Which of the following is an absolute contraindication for breastfeeding?</p>
O1: HIV positive mother
O2: Galactosemia in infant
O3: Hepatitis C in mother
O4: Tuberculosis in mother
Ans: 2

<p>Ques No: 179,QuesID : 794487 Subject: Pediatrics Topic: Pediatric Neurology</p>
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**Sub-Topic:**

An 8-year-old child presented with a sudden onset of high-grade fever, seizures, and loss of consciousness. On examination, the child had anemia, hypoglycemia, and no neurological deficits. What is the probable diagnosis?

O1:

Tubercular meningitis

O2:

Viral meningitis

O3:

Cerebral malaria

O4:

Fungal meningitis

Ans: 3

Ques No: 180, QuesID : 794490

Subject: Pediatrics**Topic:** Common Childhood Poisonings**Sub-Topic:**

A child who has overdosed on iron tablets comes with nausea and abdominal pain. What is the antidote for this toxicity?

O1:

EDTA

O2:

Deferoxamine

O3:

British anti-Lewisite

O4:

Penicillamine

Ans: 2

Ques No: 181, QuesID : 794485

Subject: Medicine**Topic:** Endocrinology**Sub-Topic:**

A patient presents with complaints of sudden onset headache, palpitation, and profuse sweating. The patient has had multiple similar episodes in the past. During these episodes, the patient's blood pressure is elevated. A 24-hour urinary metanephrine is elevated. What is the most likely diagnosis?

O1:

Addison's disease

O2:

Renal artery stenosis



O3:

Pheochromocytoma

O4:

Hyperthyroidism

Ans: 3

Ques No: 182, QuesID : 794493

Subject: Pediatrics

Topic: Neonatology

Sub-Topic:

According to the neonatal resuscitation protocol, below what heart rate are chest compressions initiated?

O1:

50

O2:

60

O3:

80

O4:

100

Ans: 2

Ques No: 183, QuesID : 794496

Subject: Pediatrics

Topic: Growth

Sub-Topic:

Gonadal growth corresponds with _____.

O1:

Skeletal system

O2:

Brain

O3:

Lymphoid growth

O4:

Dental growth

Ans: 2

Ques No: 184, QuesID : 794498

Subject: Medicine

Topic: Pulmonology

Sub-Topic:



A 70-year-old patient with a smoking history presents with high-grade fever, cough, confusion, and diarrhea. Chest X-ray shows bilateral infiltrates in bilateral lower lung fields. On sputum gram stain, no organisms were detected. Laboratory results reveal Na: 126mEq/L, AST:62, ALT:56, RBS:112 mg/dl, serum bilirubin of 0.8mg%, and a positive HIV test. Which of the following organisms is responsible?

O1:

Streptococcus

O2:

Legionella

O3:

Pneumocystis jirovecii

O4:

Klebsiella

Ans: 2

Ques No: 185, QuesID : 794502

Subject: Pediatrics

Topic: Growth

Sub-Topic:

A 6-year-old child is brought for complaints of short stature. His height is comparable with his parent's height and his bone age corresponds to his chronological age. What is the likely diagnosis?

O1:

Familial short stature

O2:

Constitutional delay

O3:

Undernutrition

O4:

Growth hormone deficiency

Ans: 1

Ques No: 186, QuesID : 794500

Subject: Medicine

Topic: Pulmonology

Sub-Topic:

A 45-year-old patient with a history of smoking a pack of cigarettes for the past 15 years presents with hemoptysis. Chest X-ray shows a 3cm upper lobe mass near the apex of the lung. What is the next best step for managing this patient?

O1:

Bronchoscopy

O2:

CT-guided biopsy

O3:



Sputum cytology

O4:

Sputum for AFB

Ans: 2

Ques No: 187, QuesID : 794480

Subject: Surgery

Topic: Others

Sub-Topic:

Which of the following is seen in all kinds of shock?

O1:

Reduced tissue perfusion

O2:

Increased peripheral resistance

O3:

Decreased respiratory rate

O4:

Cold clammy skin

Ans: 1

Ques No: 188, QuesID : 794509

Subject: Medicine

Topic: Neurology

Sub-Topic:

A woman presents with a history of headaches for the past 9 months that worsen in a recumbent position and improves as the day progresses. She also gives a history of taking oral contraceptives. Fundal examination shows papilledema. There are no focal neurological deficits. What is the probable cause of her headaches?

O1:

Myasthenia gravis

O2:

Temporal arteritis

O3:

Chronic migraine

O4:

Pseudotumor cerebri

Ans: 4

Ques No: 189, QuesID : 794516

Subject: Surgery

Topic: Gastrointestinal Surgery

Sub-Topic:

A man came with complaints of recurrent discharge and pain due to lesions around the anus



for 3 years. A diagnosis of fistula-in-ano is made. What is the gold standard investigation for this condition?

O1:
Fistulogram

O2:
USG

O3:
CECT

O4:
MRI

Ans: 4

Ques No: 190, QuesID : 794513

Subject: Medicine

Topic: Endocrinology

Sub-Topic:

Which of the following is the most common cause of mortality in diabetic ketoacidosis?

O1:
Acute respiratory distress syndrome

O2:
Cardiac arrhythmia

O3:
Cerebral edema

O4:
Acute kidney injury

Ans: 3

Ques No: 191, QuesID : 794521

Subject: Medicine

Topic: Pulmonology

Sub-Topic:

Which of the following is not included in the Gaisböck syndrome?

O1:
Hypotension

O2:
Erythrocytosis

O3:
Normal leukocyte counts

O4:
Obesity

Ans: 1

Ques No: 192, QuesID : 794518

Subject: Surgery



Topic: Others

Sub-Topic:

Identify the given instrument.



O1:

a.Linear stapler

O2:

b.Skin stapler

O3:

c.Circular stapler

O4:

d.Curved stapler

Ans: 1

Ques No: 193,QuesID : 794527

Subject: Medicine

Topic: Cardiology

Sub-Topic:

A patient presents with dyspnea and distended neck veins that increase on inspiration. There is no murmur. What is the diagnosis?

O1:

Constrictive pericarditis

O2:

Aortic regurgitation

O3:

Tricuspid stenosis

O4:

Pulmonary arterial hypertension

Ans: 1

Ques No: 194,QuesID : 794477

Subject: Anaesthesia

Topic: Inhalational Anesthetic Agents



Sub-Topic:

Inhalational induction of choice in children is:

O1:

Sevoflurane

O2:

Desflurane

O3:

Halothane

O4:

Isoflurane

Ans: 1

Ques No: 195, QuesID : 794532

Subject: Surgery

Topic: Others

Sub-Topic:

A patient was brought to the emergency department following a road traffic accident. Skin grafting was done wherein the graft was taken from the same person. Which type of graft is it?



O1:

a. Autograft

O2:



b.Xenograft
O3: c.Allograft
O4: d.Isograft
Ans: 1

<p>Ques No: 196,QuesID : 794523 Subject: Anaesthesia Topic: Intravenous Anesthetic Agents Sub-Topic:</p> <p>Which of the following is most suitable for intravenous regional anesthesia?</p>
O1: Bupivacaine
O2: Mepivacaine
O3: Procaine
O4: Lidocaine
Ans: 4

<p>Ques No: 197,QuesID : 794538 Subject: Anaesthesia Topic: Oxygen Therapy Sub-Topic:</p> <p>Which of the following airway devices helps maintain Fio₂ of 0.25-0.60, irrespective of the patient's breathing effort?</p>
O1: Nasal cannula
O2: Simple face mask
O3: Venturi mask
O4: Non-rebreathing mask
Ans: 3

<p>Ques No: 198,QuesID : 794530 Subject: Medicine Topic: Pulmonology Sub-Topic:</p> <p>A 5-year-old child presented with recurrent respiratory infections with thickened sputum. Chest</p>



X-ray showed bronchial wall thickening. He has been suffering from steatorrhea since birth. Which of the following is the first differential diagnosis?

O1:

Hyaline membrane disease

O2:

Cystic fibrosis

O3:

Alpha 1 anti-trypsin deficiency

O4:

Malabsorption syndrome

Ans: 2

Ques No: 199, QuesID : 794544

Subject: Medicine

Topic: Endocrinology

Sub-Topic:

What is the most common cause of Cushing's disease in a 60-year-old male?

O1:

Small-cell lung cancer

O2:

Adrenal tumor

O3:

Ectopic ACTH syndrome

O4:

Pituitary microadenoma

Ans: 4

Ques No: 200, QuesID : 794546

Subject: Medicine

Topic: Endocrinology

Sub-Topic:

A 30-year-old woman presented with complaints of bone pain and abdominal cramps. Her family says she has a history of abnormal behavior. The consultant doctor arrived at a provisional diagnosis based on the clinical features. Which of the following would be the best investigation to arrive at a definitive diagnosis?

O1:

MRI

O2:

Ultrasonogram

O3:

Sestamibi scan

O4:

CT scan

Ans: 3



Ques No: 201, QuesID : 794548

Subject: Medicine

Topic: Rheumatology / Connective Tissue Disorder

Sub-Topic:

A 50-year-old woman presented with difficulty in activities like climbing stairs, getting up from a chair, and combing hair. Violaceous erythema of the upper eyelids was noted. What is the most probable diagnosis?

O1:

Inclusion body myositis

O2:

Dermatomyositis

O3:

Polymyositis

O4:

Scleroderma

Ans: 2

Ques No: 202, QuesID : 794557

Subject: Medicine

Topic: Neurology

Sub-Topic:

A young male patient presents with ptosis and muscle weakness which reportedly worsens in the evening and improves in the morning. This is relieved by neostigmine. What is the likely diagnosis?

O1:

Myasthenia gravis

O2:

Huntington chorea

O3:

Amyotrophic lateral sclerosis

O4:

External ophthalmoplegia

Ans: 1

Ques No: 203, QuesID : 794560

Subject: Medicine

Topic: Neurology

Sub-Topic:

Bell's palsy involves

O1:

Ipsilateral upper and lower halves of the face.

O2:



Contralateral upper and lower halves of the face.

O3:

Ipsilateral lower half of the face.

O4:

Contralateral lower half of the face.

Ans: 1

Ques No: 204, QuesID : 794564

Subject: Medicine

Topic: Cardiology

Sub-Topic:

Which of the following drugs reduce mortality in a patient with heart failure?

O1:

Metoprolol

O2:

Furosemide

O3:

Prazosin

O4:

Torsemide

Ans: 1

Ques No: 205, QuesID : 794568

Subject: Medicine

Topic: Endocrinology

Sub-Topic:

A 49-year-old male presents with recurrent episodes of watery diarrhoea, dehydration, hypokalemia, and achlorhydria. Which of the following neuroendocrine tumour can be responsible for these symptoms?

O1:

Insulinoma

O2:

Somatostatinoma

O3:

VIPoma

O4:

Glucagonoma

Ans: 3

Ques No: 206, QuesID : 794581

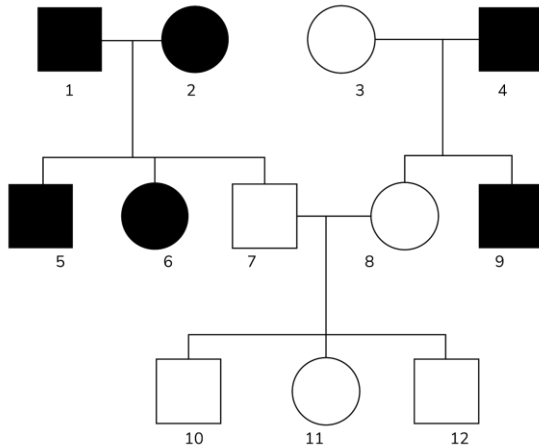
Subject: Pathology

Topic: Genetics

Sub-Topic:



A family pedigree chart is given below. Identify the mode of inheritance of this condition.



O1:

Autosomal dominant

O2:

Autosomal recessive

O3:

X-linked recessive

O4:

X-linked dominant

Ans: 1

Ques No: 207, QuesID : 794542

Subject: Gynaecology & Obstetrics

Topic: Gynecology

Sub-Topic:

A woman presents with complaints of greenish-frothy vaginal discharge for 1 month. On examination, vulvovaginal erythema is noticed. On saline microscopy, motile organisms are seen. What is the most likely diagnosis?

O1:

Trichomoniasis

O2:

Bacterial vaginitis

O3:

Chlamydial cervicitis

O4:

Candidiasis

Ans: 1

Ques No: 208, QuesID : 794585

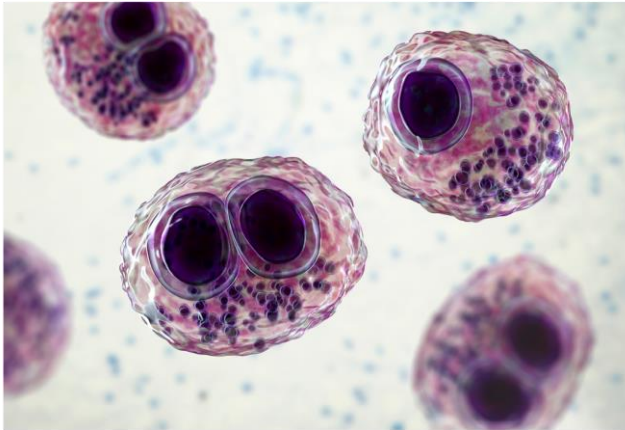
Subject: Pathology



Topic: Inflammation

Sub-Topic:

The given inclusion bodies are characteristic of which of the following organisms?



O1:

Human papillomavirus

O2:

Cytomegalovirus

O3:

Epstein Barr virus

O4:

Herpes simplex virus

Ans: 2

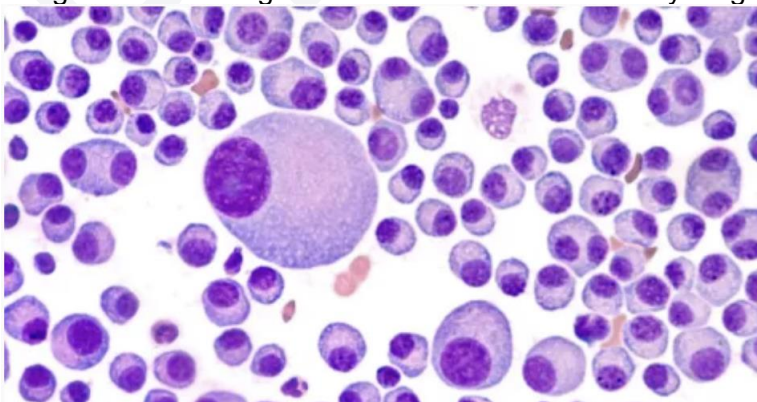
Ques No: 209, QuesID : 794587

Subject: Pathology

Topic: Hematology: White Blood Cells

Sub-Topic:

A 70-year-old male comes with complaints of hip pain. An X-ray of the hip shows lytic lesions and elevated serum calcium levels. Bone marrow plasma cells are 42%, and the cells seen are given in the image below. What is the most likely diagnosis?





O1:
Multiple myeloma

O2:
CLL

O3:
ALL

O4:
CML

Ans: 1

Ques No: 210, QuesID : 794590

Subject: Gynaecology & Obstetrics

Topic: Obstetrics

Sub-Topic:

If the division in the zygote occurs between 9-12 days after fertilization, which of the following twin is expected?

O1:
Dichorionic diamniotic

O2:
Conjoint twins

O3:
Monochorionic diamniotic

O4:
Monochorionic monoamniotic

Ans: 4

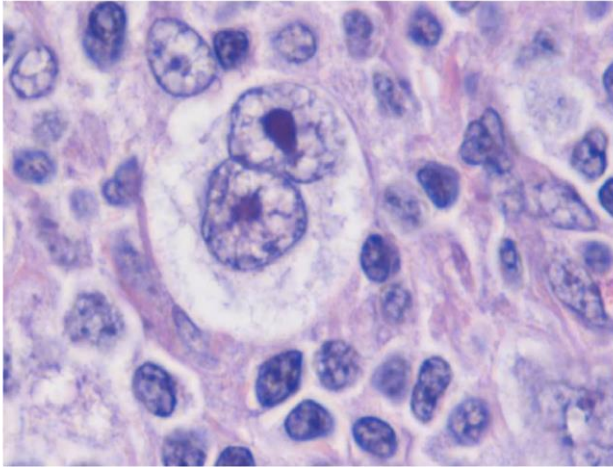
Ques No: 211, QuesID : 794594

Subject: Pathology

Topic: Hematology: White Blood Cells

Sub-Topic:

The following picture showed a lymph node biopsy of a 30-year-old male with cervical lymphadenopathy. The diagnosis is



O1:
Acute myeloid leukemia (AML)

O2:
Hodgkin disease

O3:
Human papillomavirus (HPV)

O4:
Chronic lymphocytic leukemia (CLL)

Ans: 2

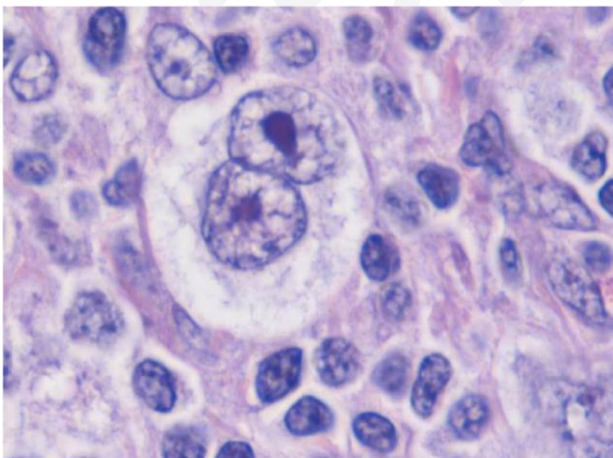
Ques No: 212, QuesID : 794600

Subject: Pathology

Topic: Hematology: White Blood Cells

Sub-Topic:

What type of cell is shown in the image below?





O1:

Faggot cell

O2:

Reed Sternberg cell

O3:

Mott cells

O4:

Sézary-Lutzner cells

Ans: 2

Ques No: 213, QuesID : 794603

Subject: Pathology

Topic: Central Nervous System

Sub-Topic:

A 40-year-old female presents with frequent headaches. Investigation reveals raised intracranial pressure and the presence of a dural-based tumor. Which of the following histological findings correlate with the diagnosis?

O1:

Fried egg appearance

O2:

Flexner - Wintersteiner rosettes

O3:

Psammoma bodies with whorling of tumor cells

O4:

Homer - Wright rosettes

Ans: 3

Ques No: 214, QuesID : 794571

Subject: Gynaecology & Obstetrics

Topic: Obstetrics

Sub-Topic:

Which of the following is the correct sequence of vaginal discharge during puerperium?

O1:

Lochia serosa>Lochia rubra>Lochia alba

O2:

Lochia rubra>Lochia alba>Lochia serosa

O3:

Lochia alba>Lochia rubra>Lochia serosa

O4:

Lochia rubra>Lochia serosa>Lochia alba

Ans: 4

Ques No: 215, QuesID : 794611



Subject: Radiology
Topic: Radiotherapy
Sub-Topic:

1. A cancer patient undergoing radiotherapy is given a dose of 1.8 to 2 Gy once daily for 5 days per week for a duration of 6 to 8 weeks. What is this type of radiotherapy called?

O1:

a.Regular Fractionated radiotherapy

O2:

b.Hyper fractionated radiotherapy

O3:

Accelerated fractionation radiotherapy

O4:

d.Brachytherapy

Ans: 1

Ques No: 216,QuesID : 794609

Subject: Pediatrics

Topic: Nutrition and Malnutrition

Sub-Topic:

A child presents with the findings shown in the image below. What is the true statement regarding this condition?





O1:
Kwashiorkor due to protein malnutrition

O2:
Kwashiorkor due to calorie malnutrition

O3:
Marasmus due to protein malnutrition

O4:
Marasmus due to calorie malnutrition

Ans: 1

Ques No: 217, QuesID : 794607

Subject: Gynaecology & Obstetrics

Topic: Obstetrics

Sub-Topic:

Which of the following finding is shown in the given image?



O1:
Stria gravidarum

O2:
Chloasma

O3:
Linea alba



O4:

Linea nigra

Ans: 4

Ques No: 218, QuesID : 794620

Subject: Pediatrics

Topic: Infectious Diseases

Sub-Topic:

A 5-year-old girl is brought to the clinic with a fever, cough, red eyes, running nose, and rash. The appearance of the child is shown below. What is the diagnosis?



O1:

Mumps

O2:

Measles

O3:

Chickenpox

O4:

Erythema infectiosum

Ans: 2

Ques No: 219, QuesID : 794624

Subject: Pediatrics

Topic: Neonatology

Sub-Topic:

Which of the following is not a correct match for ABCD according to pediatric advanced life support?



O1: Airway
O2: Breathing
O3: Circulation
O4: Dehydration
Ans: 4

<p>Ques No: 220, QuesID : 794617 Subject: Gynaecology & Obstetrics Topic: Obstetrics Sub-Topic:</p> <p>In which of the following situations is ventouse not used?</p>
O1: Prolonged second stage
O2: Maternal exhaustion
O3: Fetal distress
O4: Premature baby
Ans: 4

<p>Ques No: 221, QuesID : 794628 Subject: Pediatrics Topic: Pediatric Nephrology Sub-Topic:</p> <p>A 5-year-old child presented with a history of edema of the face which later progressed to generalized edema. Urine showed massive proteinuria and light microscopy was normal. Electron microscopy showed effacement of podocyte foot processes. What is the diagnosis?</p>
O1: Focal segmental glomerulo sclerosis
O2: Minimal change disease
O3: Membranous glomerulonephritis
O4: Post streptococcal glomerulonephritis
Ans: 2



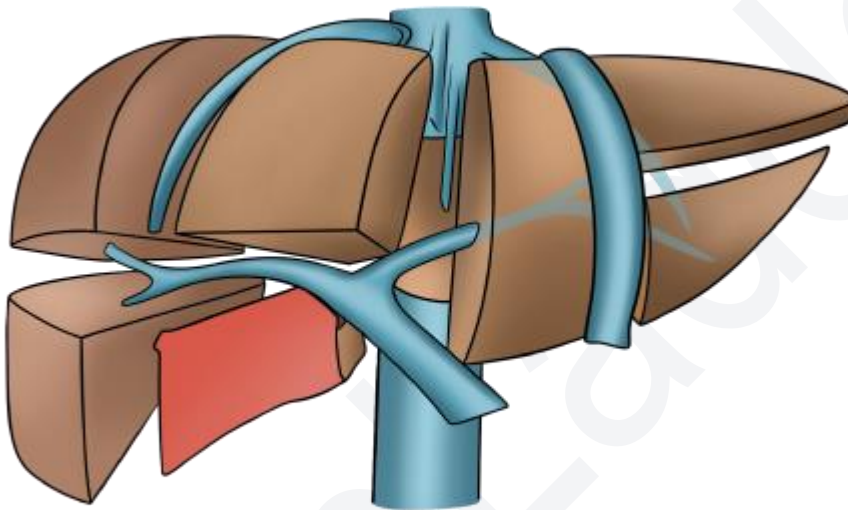
Ques No: 222, QuesID : 794613

Subject: Radiology

Topic: Hepatobiliary Radiology

Sub-Topic:

Identify the segment marked in red in the image below.



O1:

a.V

O2:

b.IVa

O3:

c.VII

O4:

III

Ans: 1

Ques No: 223, QuesID : 794626

Subject: Gynaecology & Obstetrics



Topic: Obstetrics

Sub-Topic:

Which of the following is not an indication for a cesarean section?

O1:

Absolute cephalopelvic disproportion

O2:

Previous history of macrosomia

O3:

Central placenta previa

O4:

Advanced carcinoma cervix

Ans: 2

Ques No: 224, QuesID : 794615

Subject: Radiology

Topic: X-Rays

Sub-Topic:

Identify the rib highlighted in the X-ray.



O1:

a. 3rd rib anterior part

O2:

b. 3rd rib posterior part

O3:



c.4th rib anterior part

O4:

d.1st rib anterior part

Ans: 2

Ques No: 225,QuesID : 794632

Subject: Gynaecology & Obstetrics

Topic: Obstetrics

Sub-Topic:

What is the level of the uterus immediately after delivery?

O1:

Below pubic symphysis

O2:

Above pubic symphysis

O3:

Below the umbilicus

O4:

Above umbilicus

Ans: 3

Ques No: 226,QuesID : 794634

Subject: Ophthalmology

Topic: Diseases of Lens

Sub-Topic:

A child has elevated Liver enzyme levels. A ring-like structure noted on ocular examination has shown in the image below. Which of the following is the cause for this?



O1:

Copper



O2:

Zinc

O3:

Selenium

O4:

Iron

Ans: 1

Ques No: 227, QuesID : 794643

Subject: Gynaecology & Obstetrics

Topic: Obstetrics

Sub-Topic:

Which of the following procedures is done with the instrument shown below?



O1:

Hysterosalpingography

O2:

Dilatation and curettage

O3:

Cervical sampling

O4:

Endometrial sampling

Ans: 4



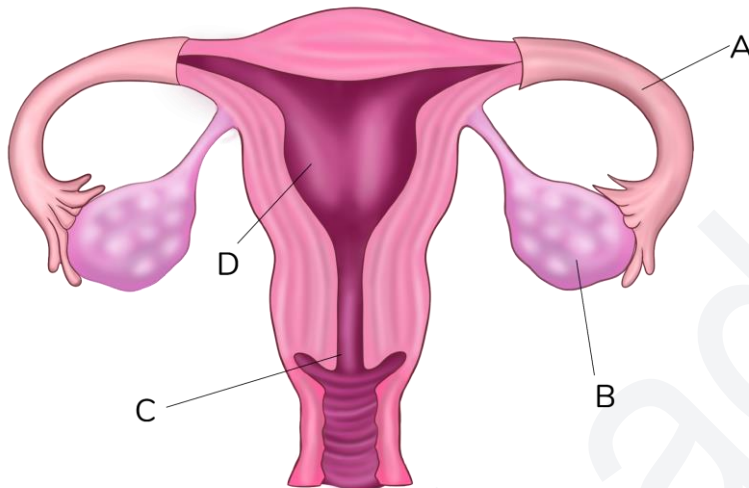
Ques No: 228, QuesID : 794647

Subject: Gynaecology & Obstetrics

Topic: Obstetrics

Sub-Topic:

Which of the following is the most common location of implantation in ectopic pregnancy?



O1:

D

O2:

C

O3:

B

O4:

A

Ans: 4

Ques No: 229, QuesID : 794653

Subject: Gynaecology & Obstetrics

Topic: Gynecology

Sub-Topic:

A young sexually active female patient presented to the outpatient department with complaints of lower abdominal pain, fever, vomiting, and foul-smelling vaginal discharge. On examination, the body temperature is 103 degrees Fahrenheit, pulse rate is 109 per minute and there is abdominal tenderness. Cervical motion tenderness is present on examination. What is the



most likely diagnosis?

O1:

Pelvic inflammatory disease

O2:

Endometriosis

O3:

Adenomyosis

O4:

Appendicitis

Ans: 1

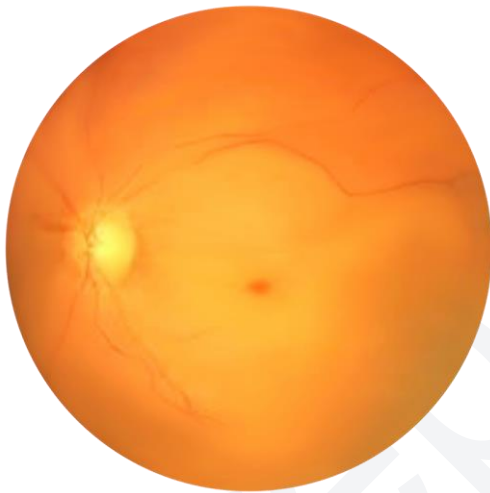
Ques No: 230, QuesID : 794641

Subject: Ophthalmology

Topic: Retina

Sub-Topic:

Fundoscopy findings are shown in the image below. What is the most likely diagnosis?



O1:

CRAO

O2:

CRVO

O3:

Diabetic retinopathy

O4:

Cystoid macular edema

Ans: 1

Ques No: 231, QuesID : 794630

Subject: Pediatrics

Topic: Pediatric Gastroenterology

Sub-Topic:



A neonate was brought with a history of frothiness from the mouth and respiratory distress. An X-ray of the neonate is given below. What is the diagnosis?



O1:
Transient tachypnea of newborn

O2:
Congenital diaphragmatic hernia

O3:
Esophageal atresia with tracheo-esophageal fistula

O4:
Respiratory distress syndrome

Ans: 3

Ques No: 232, QuesID : 794638

Subject: Radiology

Topic: Basics of Radiology

Sub-Topic:

4. Whole-body CT scan protocol for a trauma patient includes all, except

O1:
a. CT Head

O2:
b. CT Cervical spine

O3:



c.CT Limbs

O4:

d.CT Abdomen

Ans: 3

Ques No: 233,QuesID : 794651

Subject: Radiology

Topic: Thoracic Radiology

Sub-Topic:

5. Hamman sign is seen in

O1:

a.Pneumoperitoneum

O2:

b.Pneumopericardium

O3:

c.Pneumomediastinum

O4:

d.Hydropneumothorax

Ans: 3

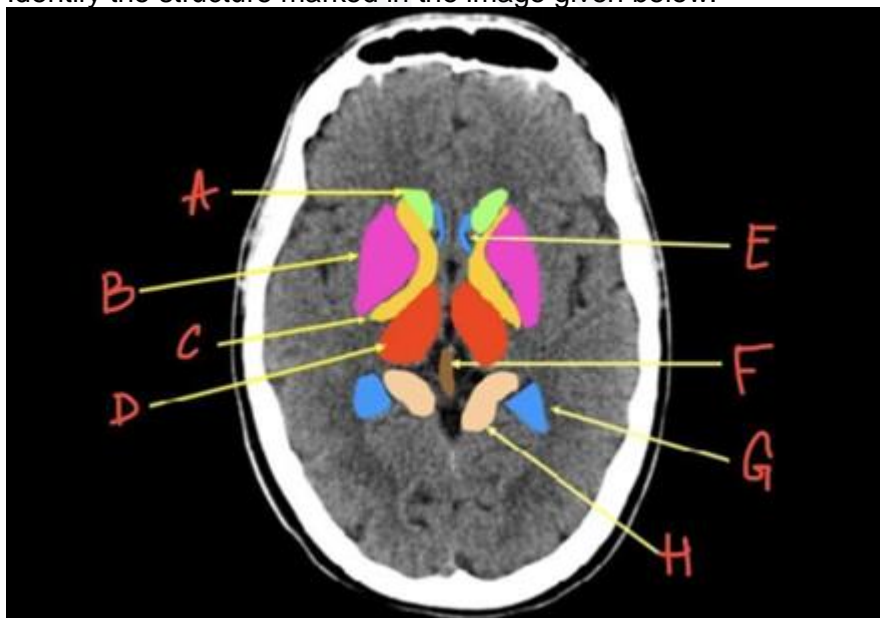
Ques No: 234,QuesID : 794678

Subject: Radiology

Topic: CT Scan

Sub-Topic:

Identify the structure marked in the image given below.



O1:

External capsule



O2:

b.Internal Capsule

O3:

c.Caudate nucleus

O4:

Putamen

Ans: 2

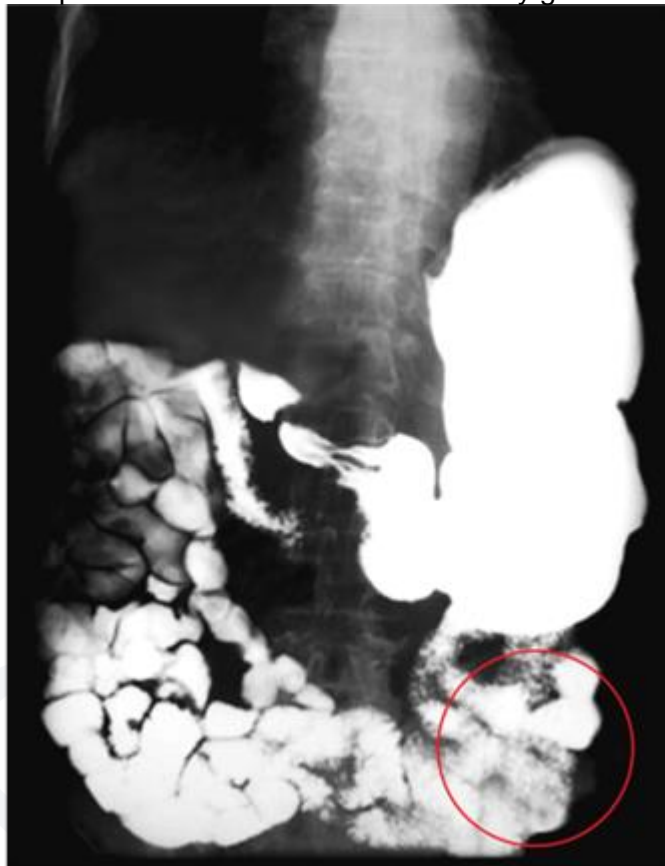
Ques No: 235,QuesID : 794683

Subject: Radiology

Topic: Gastrointestinal Radiology

Sub-Topic:

Identify the part of the bowel in the barium study given below.



O1:

a.Ileum

O2:

b.Transverse colon

O3:

c.Jejunum

O4:

d.Splenic flexure



Ans: 3

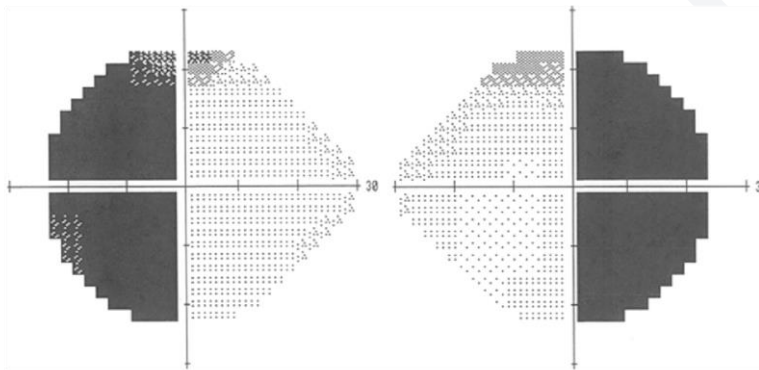
Ques No: 236, QuesID : 794649

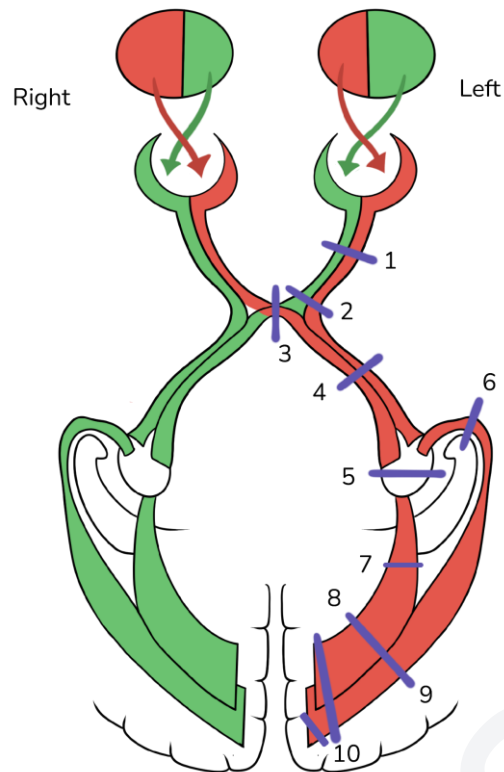
Subject: Ophthalmology

Topic: Retina

Sub-Topic:

A patient presents to the OPD with the given visual field effect. What is the probable site of the lesion based on the image displayed?





O1:
3

O2:
1

O3:
4

O4:
5

Ans: 1

Ques No: 237, QuesID : 794687

Subject: Surgery

Topic: Urology

Sub-Topic:

A male patient presented with complaints of hematuria and recurrent urinary tract infection. You notice the following finding in his CECT. What is the likely condition indicated by the arrow in the image?



O1:

a. Polycystic kidney disease

O2:

b. Horseshoe kidney

O3:

c. Hydronephrosis

O4:

d. Pancake kidney

Ans: 2

Ques No: 238, QuesID : 794704

Subject: Surgery

Topic: Others

Sub-Topic:

A male patient presented with a sudden onset tearing type of chest pain radiating to the back, shortness of breath, and nausea. CT chest image is given. What is the most appropriate next step in the management of this patient?



O1:
Esmolol and urgent surgery

O2:
b.Urgent surgery

O3:
c.Wait and watch

O4:
d.Blood transfusion

Ans: 1

Ques No: 239, QuesID : 794708

Subject: Surgery

Topic: Head And Neck

Sub-Topic:

A 32-year-old patient who is a chronic tobacco chewer presents with a whitish lesion on the gingivobuccal sulcus for 7 months. What is the next best step in the management of this condition?



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O1:
a.Local excision and biopsy

O2:
b.Avoid smoking; wait and watch

O3:
c.Steroid injection

O4:
d.Sclerotherapy



Ans: 1

Ques No: 240, QuesID : 794694

Subject: Pharmacology

Topic: Drugs Affecting Blood and Blood formation

Sub-Topic:

What is the mechanism of action of dicumarol?

O1:

Activates antithrombin III .

O2:

Inhibits vitamin K dependant Clotting factors

O3:

Inhibits tissue plasminogen activator

O4:

Inhibitor of factor Xa

Ans: 2

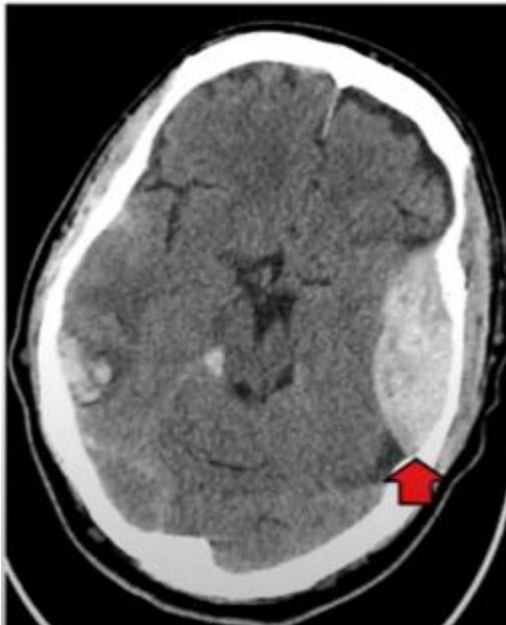
Ques No: 241, QuesID : 794710

Subject: Surgery

Topic: Others

Sub-Topic:

A 30-year-old female patient involved in a road traffic accident had nausea and vomiting. She was brought unconscious to the emergency room. The NCCT brain reveals the following findings. What is the most likely diagnosis?



O1:

a. Extradural hemorrhage

O2:



b.Subdural hemorrhage

O3:

c.Intra-parenchymal hemorrhage

O4:

d.Subarachnoid hemorrhage

Ans: 1

Ques No: 242,QuesID : 794714

Subject: Surgery

Topic: Cardiothoracic Vascular Surgery

Sub-Topic:

Involvement of which of the following structures leads to the clinical presentation as shown in the image?



O1:

a.Superficial lymphatics

O2:

b.Deep lymphatics

O3:

c.Superficial veins

O4:

d.Skin

Ans: 1

Ques No: 243,QuesID : 794716

Subject: Surgery

Topic: Others

Sub-Topic:

A soldier presents to a referral hospital one day after sustaining a high-velocity shrapnel injury to his right thigh. He complains of severe pain at the wound site. On examination, crepitus is present. Which of the following organisms is the most likely cause of his condition?

O1:



Clostridium septicum
O2: Clostridium difficile
O3: Clostridium novyi
O4: Clostridium perfringens
Ans: 4

Ques No: 244, QuesID : 794655

Subject: Gynaecology & Obstetrics

Topic: Obstetrics

Sub-Topic:

Identify the given image of the placenta previa.



O1: Marginal
O2: Low lying
O3: Incomplete
O4: Complete
Ans: 1



Ques No: 245, QuesID : 794720

Subject: Surgery

Topic: Gastrointestinal Surgery

Sub-Topic:

A 32-year-old female undergoes emergency laparotomy for perforation peritonitis. Which of the following is the surest sign of wound dehiscence?

O1:

Copious sero-sanguinous discharge

O2:

Rebound tenderness

O3:

Hemorrhage

O4:

Hypotension

Ans: 1

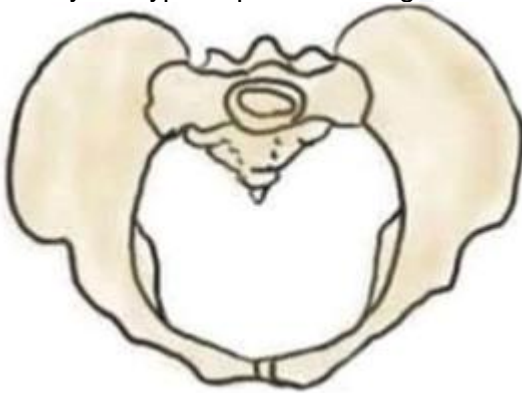
Ques No: 246, QuesID : 794726

Subject: Gynaecology & Obstetrics

Topic: Obstetrics

Sub-Topic:

Identify the type of pelvis in the given image.



O1:

Android pelvis

O2:

Gynecoid pelvis

O3:

Anthropoid pelvis

O4:

Platypelloid pelvis

Ans: 2

Ques No: 247, QuesID : 794731

Subject: Forensic Medicine



Topic: Forensic Thanatology

Sub-Topic:

Post-mortem examination of a dead body reveals contraction of the hands with absent primary relaxation. What is this suggestive of?

O1:

Rigor mortis

O2:

Livor mortis

O3:

Cadaveric spasm

O4:

Algor mortis

Ans: 3

Ques No: 248, QuesID : 794736

Subject: Forensic Medicine

Topic: Forensic Thanatology

Sub-Topic:

Study of death in all aspects is known as:

O1:

Thanatology

O2:

Forensic anthropology

O3:

Toxicology

O4:

Molecular death

Ans: 1

Ques No: 249, QuesID : 794728

Subject: Gynaecology & Obstetrics

Topic: Obstetrics

Sub-Topic:

Identify the following instrument used by obstetricians:



O1:

Kielland forceps

O2:

Tucker Mclane forceps

O3:

Pipers forceps

O4:

Outlet forceps

Ans: 4

Ques No: 250, QuesID : 794738

Subject: Forensic Medicine

Topic: Forensic Thanatology

Sub-Topic:

Following the recovery of a beheaded skull bone by the police, the relatives of a missing person want to confirm his identity. Which of the following techniques can be used to figure out a person's identity using the beheaded skull bone and photograph of the person?

O1:

Superimposition

O2:

Anthropometry

O3:

DNA fingerprinting

O4:



Cheiloscopy

Ans: 1

Ques No: 251, QuesID : 794734

Subject: Gynaecology & Obstetrics

Topic: Drugs used in Obstetrics and Gynaecology

Sub-Topic:

In which of the following cases is the drug below contraindicated?



O1:

Malpresentation of fetus

O2:

Heart disease in mother

O3:

Premature labour

O4:

Hypothyroidism

Ans: 1

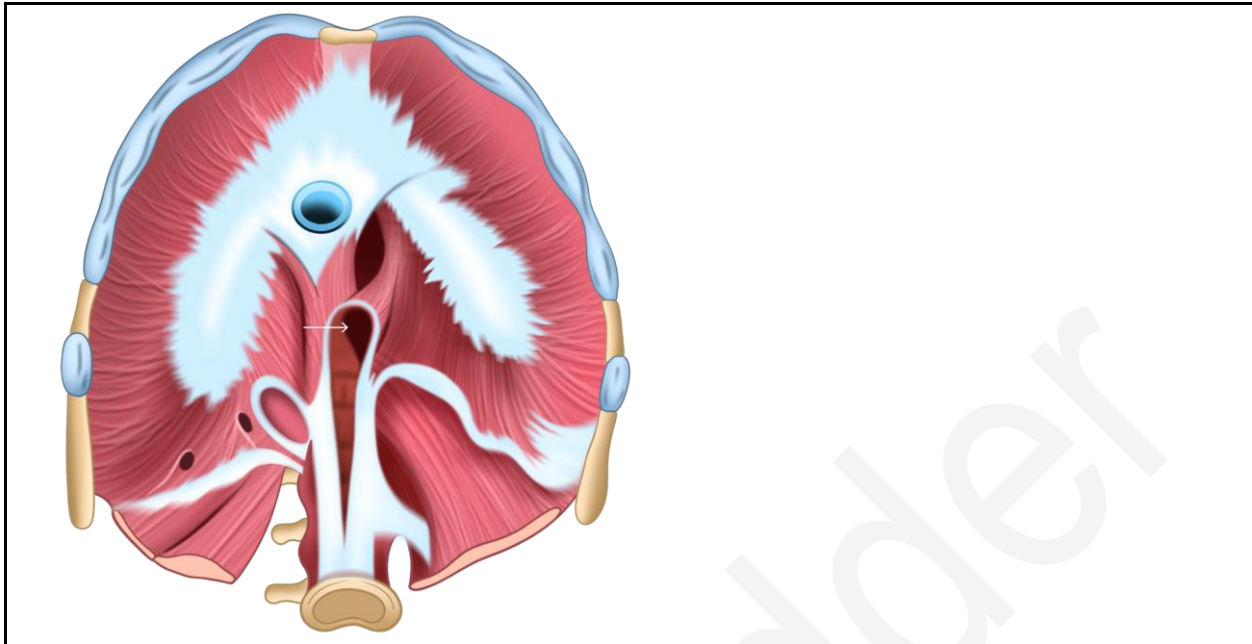
Ques No: 252, QuesID : 794741

Subject: Anatomy

Topic: Thorax

Sub-Topic:

Which of the following structures passes through the foramen marked by the arrow?



O1:
Oesophagus

O2:
Inferior vena cava

O3:
Thoracic duct

O4:
Sympathetic trunk

Ans: 3

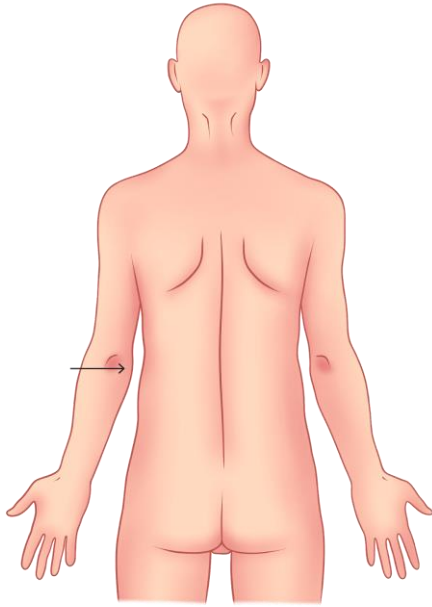
Ques No: 253, QuesID : 794746

Subject: Anatomy

Topic: Upper Limb

Sub-Topic:

Which nerve can be injured when a fracture is sustained in the area marked with the red arrow in the image?



O1:

Radial nerve

O2:

Median nerve

O3:

Ulnar nerve

O4:

Musculocutaneous nerve

Ans: 3

Ques No: 254, QuesID : 794744

Subject: Gynaecology & Obstetrics

Topic: Obstetrics

Sub-Topic:

Which of the following is the process of breaking the clavicle during delivery?

O1:

Craniotomy

O2:

Symphiotomy

O3:

Zavanelli manoeuvre

O4:

Cleidotomy

Ans: 4

Ques No: 255, QuesID : 794724

Subject: Surgery



Topic: Others

Sub-Topic:

Four patients were brought to the casualty after sustaining trauma. Which of the following is the correct match among the following?

O1:

a.Extradural hemorrhage (EDH)- Pin point pupil

O2:

b.Penetrating injury to eustachian tube- CSF otorrhea

O3:

c.Penetrating injury to eye- Battle sign

O4:

d.Gaze palseis-Mid brain lesion

Ans: 4

Ques No: 256,QuesID : 794752

Subject: Gynaecology & Obstetrics

Topic: Obstetrics

Sub-Topic:

Which of the following is the best parameter for estimation of fetal age by ultrasound in 1st trimester?

O1:

Biparietal Diameter

O2:

Head circumference

O3:

Crown rump length

O4:

Abdominal circumference

Ans: 3

Ques No: 257,QuesID : 794757

Subject: Surgery

Topic: Gastrointestinal Surgery

Sub-Topic:

A homosexual man complains of painful defecation and mass protruding from the anal canal. Biopsy reveals squamous cell carcinoma of anus. Correct management for this patient is

O1:

a.Chemotherapy

O2:

b.Abdominoperineal repair

O3:

c.Combined chemoradiation

O4:



d.Wide local excision

Ans: 3

Ques No: 258, QuesID : 794749

Subject: Anatomy

Topic: General Embryology

Sub-Topic:

The following condition is seen in the image results from the failure of fusion:



O1:

Lateral nasal prominence and maxillary prominence

O2:

Lateral nasal prominence and mandibular prominence

O3:

Medial nasal prominence and maxillary prominence

O4:

Medial nasal prominence and mandibular prominence

Ans: 3

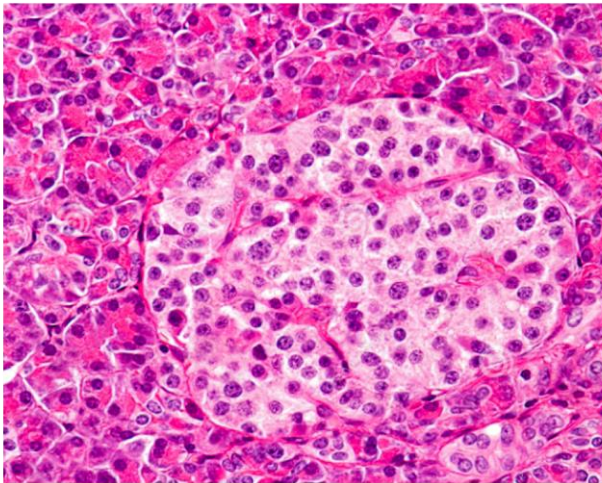
Ques No: 259, QuesID : 794762

Subject: Anatomy

Topic: Histology

Sub-Topic:

Identify the given histology slide:



O1:
Lymph node

O2:
Glomerulus

O3:
Spleen

O4:
Pancreas

Ans: 4

Ques No: 260, QuesID : 794718

Subject: Psychiatry

Topic: Schizophrenia Spectrum and Other Psychotic Disorders

Sub-Topic:

Which of the following does not suggest a medical cause of mental illness?

O1:
Elderly age

O2:
Loss of consciousness

O3:
Auditory hallucination

O4:
Acute onset

Ans: 3

Ques No: 261, QuesID : 794768

Subject: Surgery



Topic: Gastrointestinal Surgery

Sub-Topic:

A 25-year-old patient presents to the surgical OPD with a painless left inguinal reducible mass. On examination cough impulse is positive. After further investigations, the patient is diagnosed with an inguinal hernia. What is the surgical management of this patient?

O1:

a.Herniotomy

O2:

b.Hernioplasty

O3:

c.Wait and watch

O4:

d.Emergency laparotomy

Ans: 2

Ques No: 262,QuesID : 794766

Subject: Anaesthesia

Topic: Mechanical Ventilation and Modes of Ventilation

Sub-Topic:

A patient in the ICU with an endotracheal tube now needs a tracheostomy tube. Which type of tube will you use?

O1:

Uncuffed tracheostomy tube

O2:

Cuffed tracheostomy tube

O3:

Metallic tracheostomy tube.

O4:

Endotracheal tube

Ans: 2

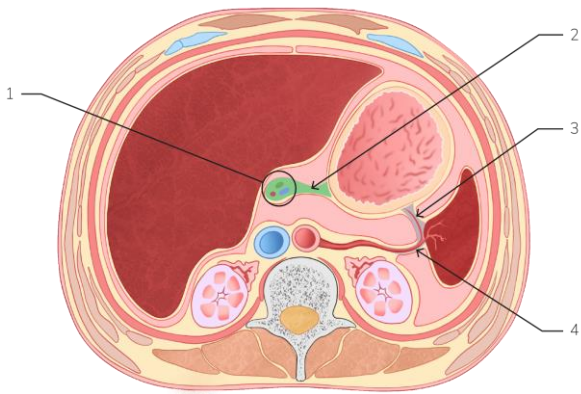
Ques No: 263,QuesID : 794773

Subject: Anatomy

Topic: Abdomen

Sub-Topic:

Which of the following structures marked in the image contains the splenic artery?



O1:
2

O2:
1

O3:
3

O4:
4

Ans: 4

Ques No: 264, QuesID : 794771

Subject: Surgery

Topic: Gastrointestinal Surgery

Sub-Topic:

While doing an endoscopy, constriction is felt at the oesophageal junction at 25 cm from the incisor. This is due to?

O1:
a. Inferior vena cava

O2:
b. Arch of aorta

O3:
c. Right bronchus

O4:
d. Diaphragmatic opening

Ans: 2

Ques No: 265, QuesID : 794776

Subject: Anaesthesia

Topic: Mechanical Ventilation and Modes of Ventilation

Sub-Topic:

Resistance of the tube shown below is primarily because of _____.



O1:
Curvature

O2:
Circumference

O3:
Length

O4:
Diameter

Ans: 4

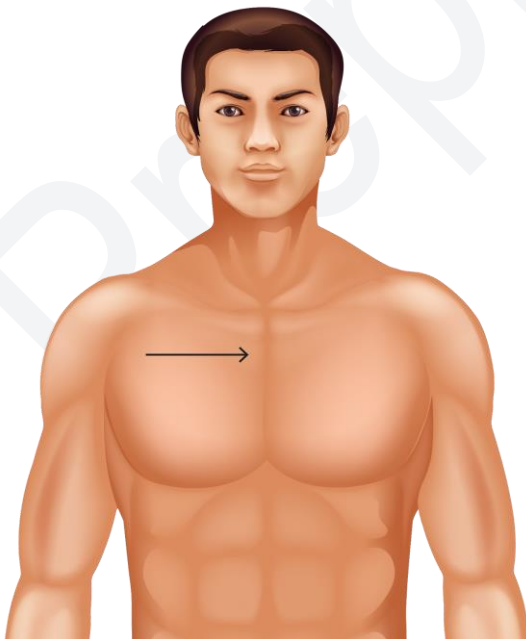
Ques No: 266, QuesID : 794780

Subject: Anatomy

Topic: Thorax

Sub-Topic:

On palpation at the site marked by the red arrow on the image, a bony ridge is felt. What is the vertebral level of the marked arrow?



O1:



T3-T4 intervertebral disc
O2: T2-T3 intervertebral disc
O3: T5-T6 intervertebral disc
O4: T4-T5 intervertebral disc
Ans: 4

Ques No: 267, QuesID : 794784

Subject: Anatomy

Topic: Upper Limb

Sub-Topic:

A patient is referred to a higher center with the diagnosis of fracture. On examination, the forearm pulses were not palpable. An upper arm X-ray was done, which is given below. Which artery is most likely to be injured in this condition?



O1: Radial artery
O2: Ulnar artery
O3: Brachial artery
O4: Anterior interosseous artery
Ans: 3

Ques No: 268, QuesID : 794778

Subject: Surgery



Topic: Urology

Sub-Topic:

Which of the following are true about nephroblastoma except:

O1:

Treatment is chemotherapy followed by surgery

O2:

b. Early lung mets

O3:

c. Hematogenous spread

O4:

d. Most common intra abdominal malignancy in children

Ans: 4

Ques No: 269, QuesID : 794788

Subject: Anatomy

Topic: Back Region

Sub-Topic:

To what level of vertebrae does the marked structure correspond?



O1:

At the junction of L1 & L2

O2:

At the junction of L2 & L3

O3:

At the junction of T12 & L1

O4:

At the junction of L3 & L4

Ans: 4



Ques No: 270, QuesID : 794786

Subject: Surgery

Topic: Urology

Sub-Topic:

A patient presents with urinary symptoms due to benign prostatic hyperplasia. Which of the following is used to manage the urinary symptoms in the initial stage of this condition?

O1:

a. TURP-Transurethral resection of prostate

O2:

b. Tamsulosin

O3:

c. Finasteride

O4:

d. Observation

Ans: 2

Ques No: 271, QuesID : 794793

Subject: Surgery

Topic: Cardiothoracic Vascular Surgery

Sub-Topic:

A 17-year-old woman with no comorbidities presents with numbness and paraesthesia of the fingers along with the characteristic finding as shown in the image below. She has no history of smoking or history of other illnesses. She mentions the episodes occur when she is under excess stress or during cold temperatures. What is the most likely diagnosis?



O1:

a. Raynaud's phenomenon

O2:

b. Buerger's disease

O3:

c. Atherosclerosis



O4:

d. Peripheral arterial disease

Ans: 1

Ques No: 272, QuesID : 794790

Subject: Biochemistry

Topic: Concepts

Sub-Topic:

Which of the following is not a microelement?

O1:

Copper

O2:

Zinc

O3:

Calcium

O4:

Selenium

Ans: 3

Ques No: 273, QuesID : 794798

Subject: Surgery

Topic: Others

Sub-Topic:

Which of the following is not a component of qSOFA score?

O1:

a. Respiratory rate >22

O2:

b. LDH-Lactate dehydrogenase

O3:

c. Altered mental status

O4:

d. Systolic blood pressure < 100 mmHg

Ans: 2

Ques No: 274, QuesID : 794800

Subject: Surgery

Topic: Cardiothoracic Vascular Surgery

Sub-Topic:

Which is the least commonly used graft for coronary artery bypass graft (CABG)?

O1:

a. Long saphenous vein

O2:



Internal mammary artery
O3: c. Intercostal artery
O4: d. Radial artery
Ans: 3

<p>Ques No: 275,QuesID : 794795 Subject: Biochemistry Topic: Vitamins Sub-Topic:</p> <p>A male patient complained of imbalance, numbness of the foot, and muscle weakness. On history taking, he revealed that he has been taking multivitamin tablets more than the prescribed dose for 1 year. Which of the following is the most likely cause of the associated symptoms seen in this patient?</p>
O1: Vitamin D toxicity
O2: Vitamin B6 toxicity
O3: Vitamin C toxicity
O4: Vitamin A toxicity
Ans: 2

<p>Ques No: 276,QuesID : 794804 Subject: Biochemistry Topic: Oxidative Phosphorylation Sub-Topic:</p> <p>Which enzymes use molecular oxygen as a hydrogen acceptor to produce water?</p>
O1: Catalase
O2: Superoxide dismutase
O3: Cytochrome c oxidase
O4: Pyruvate dehydrogenase
Ans: 3

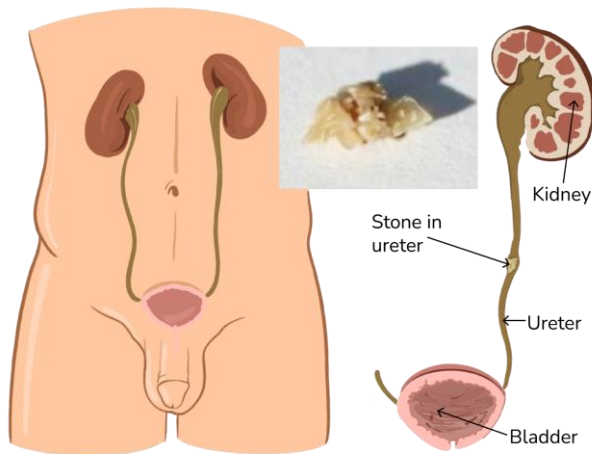
<p>Ques No: 277,QuesID : 794802 Subject: Surgery</p>



Topic: Urology

Sub-Topic:

Which of the following is the recommended treatment for the condition shown in the image?



O1:

Percutaneous nephrolithotomy

O2:

b. Ureteroscopy

O3:

c. ESWL

O4:

d. Wait and watch

Ans: 2

Ques No: 278, QuesID : 794808

Subject: Biochemistry

Topic: Vitamins

Sub-Topic:

A 34-year-old male whose staple diet primarily consisted of only maize presents with diarrhea, dementia, and photosensitive dermatitis in sun-exposed areas. Which vitamin is most likely deficient in this patient?

O1:

Niacin

O2:

Vitamin B6

O3:

Ascorbic acid

O4:

Biotin

Ans: 1



Ques No: 279, QuesID : 794810

Subject: ENT

Topic: Ear

Sub-Topic:

A 35-year-old woman presented to the clinic with the symptoms of hearing loss and pulsatile tinnitus. Further examination reveals conductive hearing loss with the Rinne test negative. A reddish mass is seen behind the tympanic membrane. What is the most likely diagnosis for this patient?

O1:

Acute otitis media

O2:

Chronic otitis media

O3:

Glomus tumour

O4:

Serous otitis media

Ans: 3

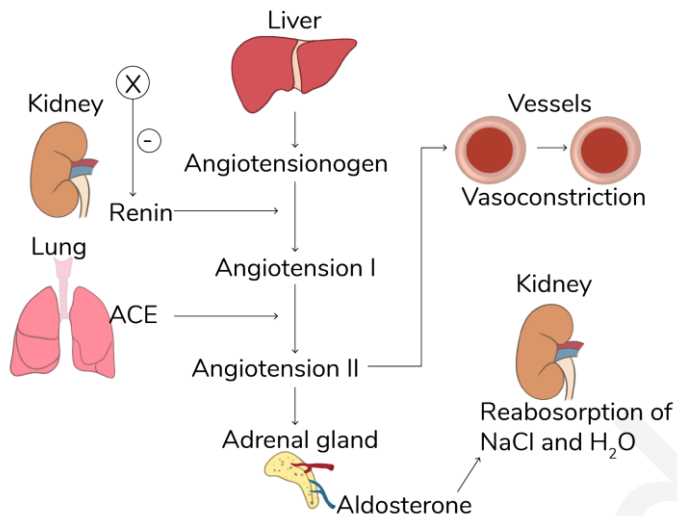
Ques No: 280, QuesID : 794782

Subject: Pharmacology

Topic: CVS Pharmacology

Sub-Topic:

A patient with a history of hypertension is given the drug 'X'. Identify 'X'?



O1:
Captopril

O2:
Spironolactone

O3:
Aliskiren

O4:
Losartan

Ans: 3

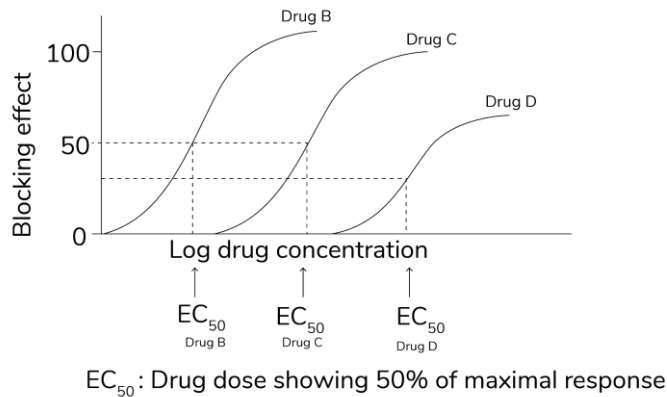
Ques No: 281, QuesID : 794814

Subject: Pharmacology

Topic: General Pharmacology

Sub-Topic:

Identify the true statement about the given dose-response curve:



Q1:

Drug C is the most potent

Q2:

Drug B is the most efficacious

Q3:

Drug C is as efficacious as drug D

Q4:

Drug D is more potent than drug C

Ans: 2

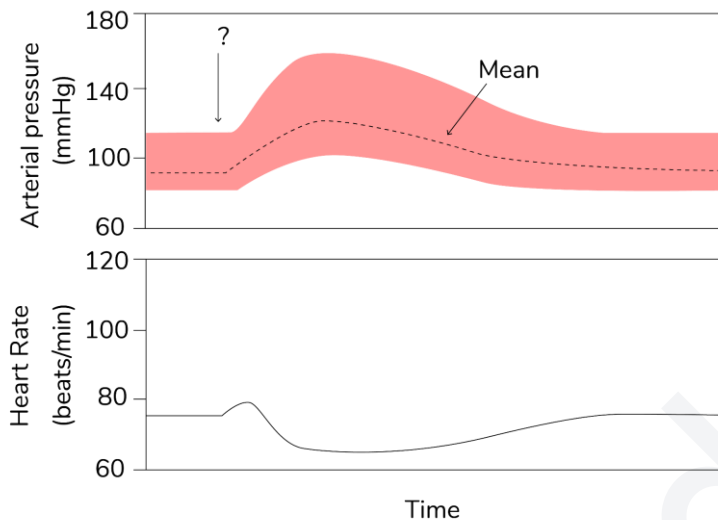
Ques No: 282, QuesID : 794816

Subject: Pharmacology

Topic: ANS Pharmacology

Sub-Topic:

Which drug elicits the following response on blood pressure and heart rate, as shown in the image?



O1:
Norepinephrine

O2:
Isoproterenol

O3:
Epinephrine

O4:
Dopamine

Ans: 1

Ques No: 283, QuesID : 794818

Subject: Pharmacology

Topic: General Pharmacology

Sub-Topic:

A female patient complains of swelling and pain in her great toe. Her uric acid level is found to be high. A drug that reduces uric acid levels is prescribed. Which of the following enzyme should the drug inhibit?

O1:
Urease

O2:
Homogentisate oxidase

O3:
Lysyl oxidase



O4:

Xanthine oxidase

Ans: 4

Ques No: 284, QuesID : 794820

Subject: Pharmacology

Topic: General Pharmacology

Sub-Topic:

Which of the following drugs increases uric acid in urine?

O1:

Colchicine

O2:

Febuxostat

O3:

Probenecid

O4:

Allopurinol

Ans: 3

Ques No: 285, QuesID : 794822

Subject: Pharmacology

Topic: ANS Pharmacology

Sub-Topic:

The most appropriate description of the vasomotor reversal of Dale is that

O1:

Repeated administration of ephedrine decreases its effect on blood pressure

O2:

A patient pretreated with phentolamine develops severe hypotension on the administration of adrenaline

O3:

High dose of acetylcholine after

O4:

An increase in pulse pressure is produced by the intravenous administration of isoprenaline

Ans: 2

Ques No: 286, QuesID : 795662

Subject: Biochemistry

Topic: Amino Acids and Proteins Chemistry

Sub-Topic:

Which immunoglobulin is present in serum/plasma at the highest concentration?

O1:

IgG

O2:



IgA
O3: IgM
O4: IgE
Ans: 1

Ques No: 287, QuesID : 795686

Subject: Biochemistry

Topic: Carbohydrate Metabolism

Sub-Topic:

A patient presented to the OPD with liver damage. The picture depicts the patient having their eyes examined. Which of the following subsequent factors is responsible for this condition?



O1: Copper
O2: Glucose
O3: Galactose
O4: Mannose
Ans: 1

Ques No: 288, QuesID : 795699

Subject: Biochemistry

Topic: Carbohydrate Metabolism

Sub-Topic:

A patient who was in excruciating pain all over his body was taken to the hospital. In recent years, he has experienced these incidents frequently. When exercising vigorously, the ache begins. Anemia was detected on blood examination along with elongated RBC as opposed to



concave ones. It was determined that he had sickle cell anemia. What substitution takes place in sickle cell anemia?

O1:
Substitution of valine by glutamic acid at the 6th position

O2:
Substitution of glutamic acid by valine at the 6th position

O3:
Substitution of valine by glutamic acid at the 5th position

O4:
Substitution of glutamic acid by valine at the 5th position

Ans: 2

Ques No: 289, QuesID : 795710

Subject: Biochemistry

Topic: Vitamins

Sub-Topic:

Vitamin A deficiency leads to?

O1:
Beriberi

O2:
Pellagra

O3:
Xerophthalmia

O4:
Neuropathy

Ans: 3

Ques No: 290, QuesID : 795722

Subject: Biochemistry

Topic: Genetics

Sub-Topic:

Which of the following is true about p53?

O1:
It increases telomere length in the liver.

O2:
It synthesizes RNA

O3:
It stabilizes RNA

O4:
It retains the telomerase enzyme in the nucleus

Ans: 4



Ques No: 291, QuesID : 795744

Subject: Dermatology

Topic: Viral Infections

Sub-Topic:

A patient presented with multiple painful blisters on an erythematous base. Along a dermatome on the trunk as shown in the image. What is the diagnosis?



O1:

Herpes simplex

O2:

Herpes zoster

O3:

Molluscum contagiosum

O4:

Chicken pox

Ans: 2

Ques No: 292, QuesID : 795749

Subject: Dermatology

Topic: Sexually Transmitted Infections

Sub-Topic:

A 45-year-old truck driver with a history of multiple sex partners presented to the dermatological department, as shown below. What is the likely diagnosis?



O1:

Secondary syphilis



O2:

Lichen planus

O3:

Scabies

O4:

Psoriasis

Ans: 1

Ques No: 293, QuesID : 795757

Subject: Dermatology

Topic: Viral Infections

Sub-Topic:

A 50-year-old smoker presents to the hospital with a painless oral lesion and white patch that develops in the oral cavity, as shown in the image. What is the diagnosis?



O1:

Leukoplakia

O2:

Candidiasis

O3:

Lichen planus

O4:

Oral cancer

Ans: 1

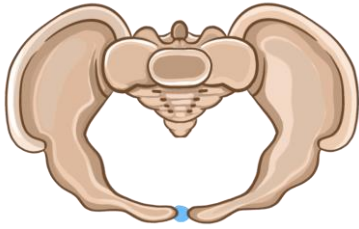
Ques No: 294, QuesID : 795766

Subject: Radiology

Topic: Radiological Anatomy

Sub-Topic:

Identify the pelvis type given below.



O1:

Platypoid

O2:

Anthropoid

O3:

Android

O4:

Gynecoid

Ans: 3

Ques No: 295, QuesID : 795789

Subject: Radiology

Topic: CT Scan

Sub-Topic:

A patient presented to OPD with complaints of fatigue, loss of appetite, constipation, urinary symptoms of kidney stone, and increased urination. The patient has a history of psychiatric disorder; you suspect a case of hyperparathyroidism. Which of the following investigations is useful in this condition?

O1:

Sestamibi scan

O2:

USG neck

O3:

CT neck

O4:

PET scan

Ans: 1

Ques No: 296, QuesID : 795804

Subject: Radiology

Topic: Gastrointestinal Radiology

Sub-Topic:

A 2-year-old child was brought to the emergency department. The child was having difficulty in speaking and breathing. An X-ray was performed, given below. Which among the following is the best treatment for this condition?



O1:
Laryngoscopy

O2:
Esophagoscopy

O3:
Oxygen

O4:
Tracheostomy

Ans: 4

Ques No: 297, QuesID : 795807

Subject: Medicine

Topic: Pulmonology

Sub-Topic:

An elderly male on bed rest for many months presented with breathlessness and chest pain. What is the next best step in the management of this patient?

O1:
CT pulmonary angiogram

O2:
ECG

O3:
CT thorax

O4:
Echocardiography

Ans: 1

Ques No: 298, QuesID : 795840

Subject: Medicine

Topic: Cardiology

Sub-Topic:

A chronic smoker presented with bilateral pitting pedal edema, and abdominal distension. On examination, he had ascites and auscultation revealed an S3. Which of the following defects can be seen in this patient?



O1:
Aortic regurgitation

O2:
Tricuspid regurgitation

O3:
Aortic stenosis

O4:
Mitral regurgitation

Ans: 2

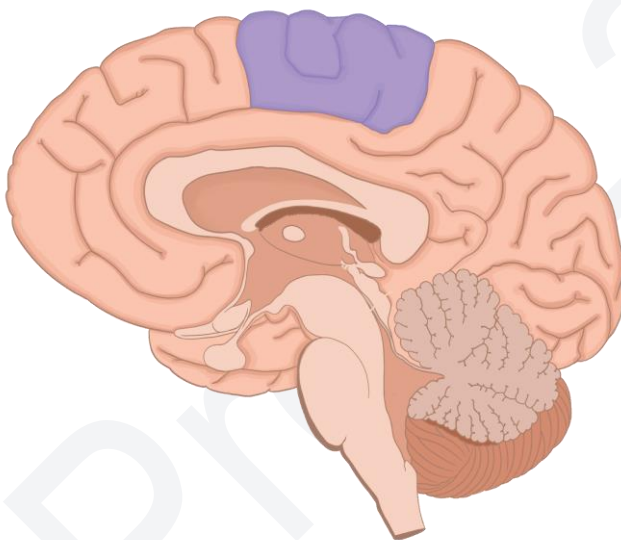
Ques No: 299, QuesID : 795829

Subject: Medicine

Topic: Endocrinology

Sub-Topic:

In the sagittal section of the brain given below the colored area represents the paracentral lobule. Which of the following structures are affected in a lesion to this area?



O1:
Scapular region and neck

O2:
Trunk and shoulder

O3:
Perineum and leg

O4:
Face and neck

Ans: 3



Ques No: 300, QuesID : 795881

Subject: Physiology

Topic: Cardiovascular System

Sub-Topic:

What is the cause of death in Diabetic ketoacidosis?

O1:

Sepsis

O2:

Dehydration

O3:

Hypokalemia

O4:

Cerebral edema

Ans: 4

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