



Scope Timer

scope **01:51:51**

<u>Q#97</u>

"Arborescent markings" are observed in death due to:

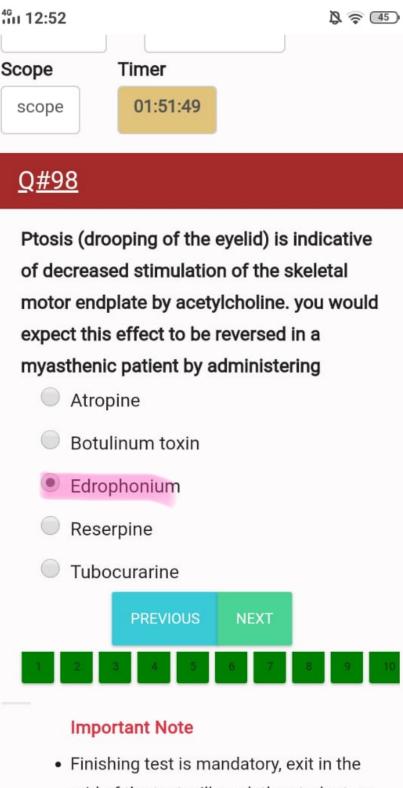
- Electrocution
- Flame burns
- Lightning
- Putrefaction
- Starvation

2 3 4 5 6 7 8

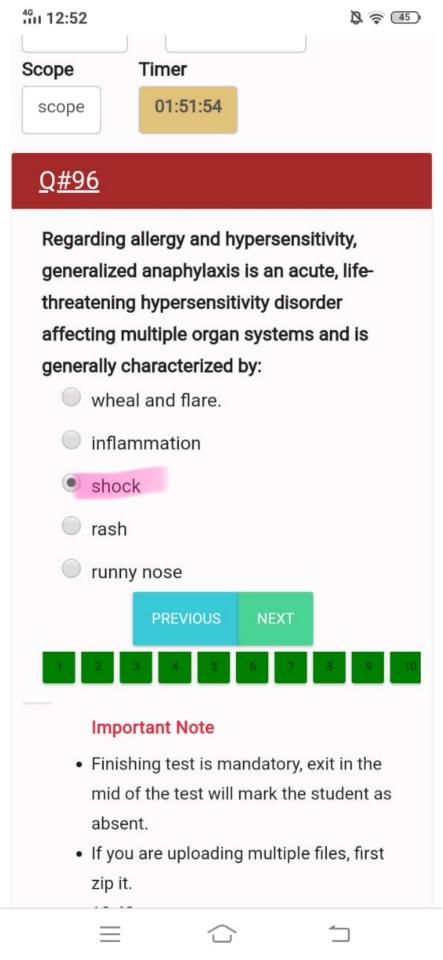
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Scope

Timer

01:51:41 scope

<u>Q#100</u>

A 6-year-old boy complains of discomfort in the right upper neck that has worsened over the past 6 months. On physical examination, a 5-cm firm mass is palpable in the right lateral neck. The mass is not tender or warm. A biopsy is taken and the microscopy shows nests of rounded tumor cells arranged in alveolar pattern. Striations are noted in some of the spindle shape cells. Molecular analysis shows PAX3-FOXO1 fusion gene. Immunohistochemical staining for which of the following antigens is most likely to be positive in the cells of this lesion?

- CD45
- Cytokeratin
- Dystrophin
- Neuron-specific enolase
- Desmin

PREVIOUS NEXT







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Scope

scope

Timer

01:51:56

Q#95

Presentation of data refers to an exhibition or putting up data in an attractive and useful manner such that it can be easily interpreted. The three main forms of presentation of data are Textual presentation, Data tables, and Diagrammatic presentation. Low birth weight (LBW) statistics of a hospital are best represented using:

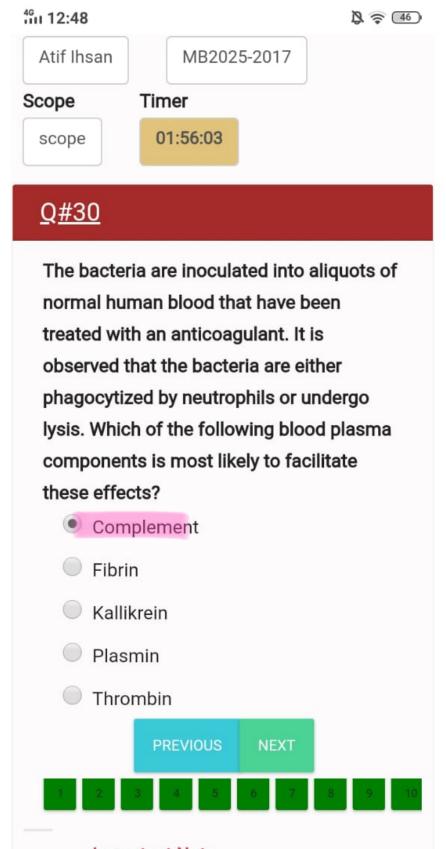
- Bar chart
- Dot plot
- Pie chart
- Histogram
- Frequency polygon

PREVIOUS

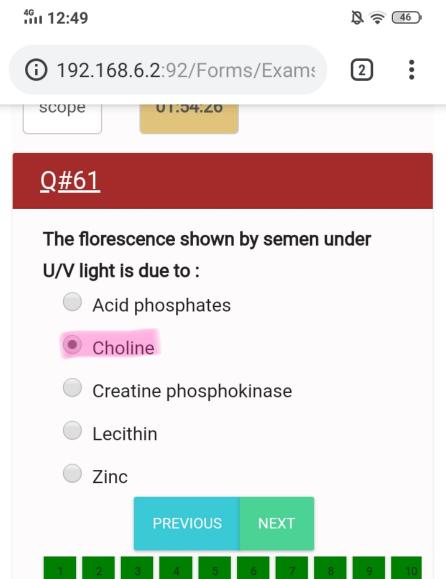
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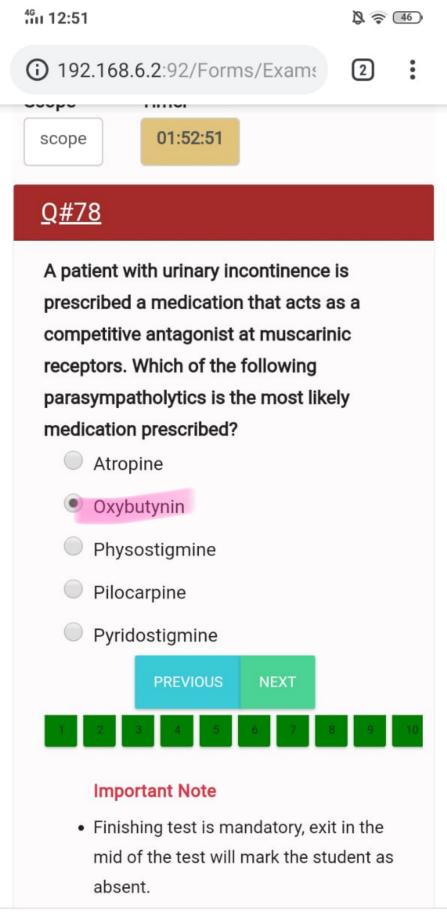
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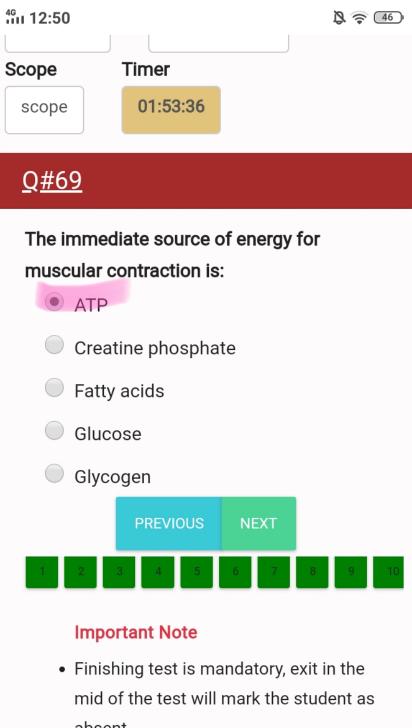


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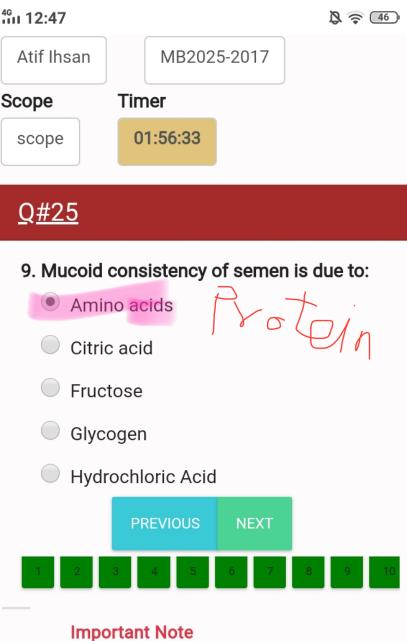


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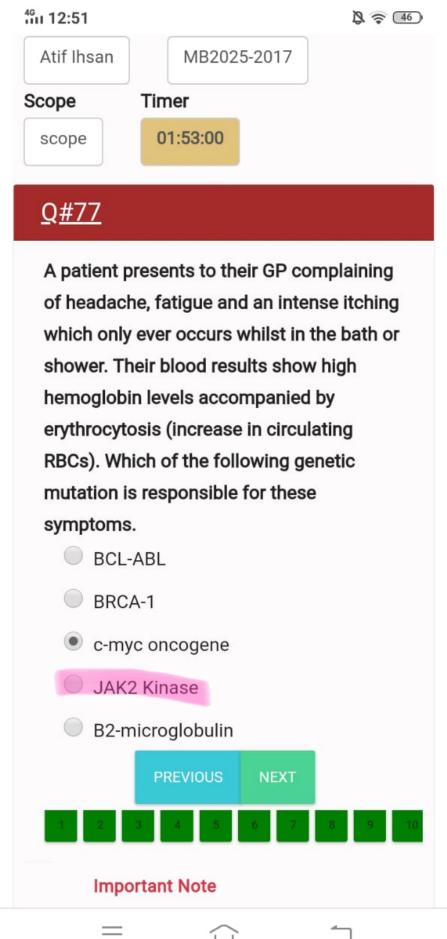




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Atif Ihsan

MB2025-2017

Scope

Timer

scope

01:55:12

<u>Q#47</u>

For the normal functioning of the brain and the nervous system Vitamin B12 plays a key role because it helps in synthesis of myelin. B12 is also essential for the formation of red bold cells. Choose the most appropriate option among the following regarding this vitamin.

It is a fat soluble vitamin



Deficiency of this result in microcytic hypochromic anemia



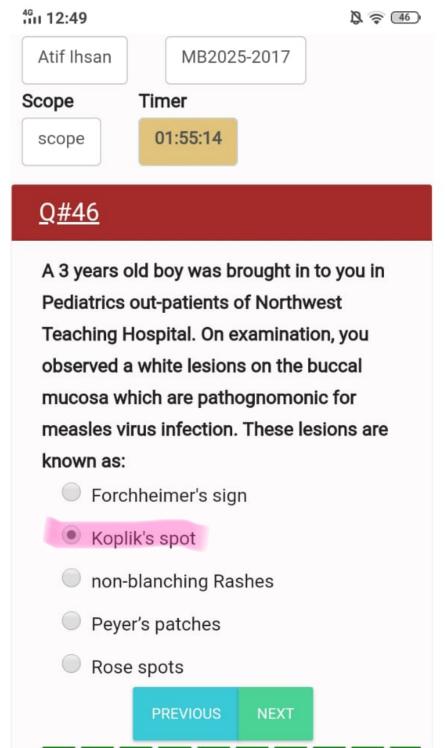
It is found in abundance in food of vegetable origin like potato, soya bean etc.



The physiological mechanism for its absorption requires intrinsic factor from stomach







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Scope

scope

01:54:55

Timer

<u>Q#52</u>

A 50-year-old woman with rheumatoid arthritis was recently diagnosed with refractory disease, and infliximab was added to her ongoing treatment. Which of the following endogenous compounds was most likely the molecular target of the drug?

- Epidermal growth factor
 - Interleukin -1
 - Interleukin -10
- Tumor necrosis factor-α
- Vascular endothelial growth factor

PREVIOUS NEXT

1 2 3 4 5 6 7 8 9 1

Important Note

 Finishing test is mandatory, exit in the mid of the test will mark the student as absent. A student is developing a research proposal on social media's effects on mental health. She has developed her study question and proceeds to the next step.

What is the first step she should take in her literature review process?

- Develop a hypothesis
- Develop appropriate methodology

Conduct a search for relevant articles and books

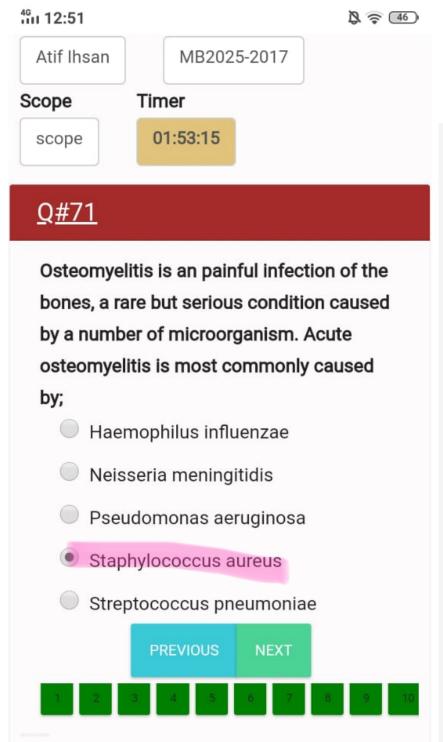
Read and critically evaluate the sources she has found

Write a summary of each article or book she has found



Important Note

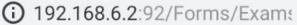
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Q#55

Iron deficiency anemia is quite common particularly in women of child bearing age because of lack of knowledge, availability and affordability of adequate nutrition. Select the most appropriate option regarding iron in diet.

Red meat is a poor source of iron

The bio-availability of haem iron is poor

Iron requirements for adult males and females are equal

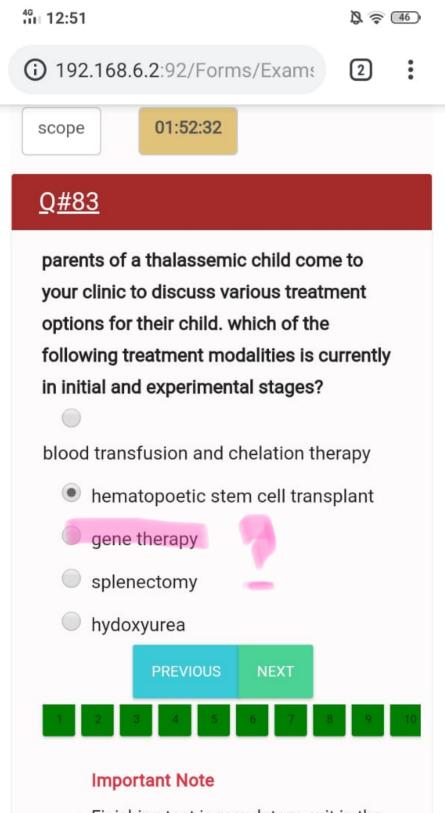
Foods that inhibit iron absorption include

.

milk, eggs, and tea

The main sources of haem-iron in diet are cereals and green leafy vegetables

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01.57.13

<u>Q#11</u>

A 6-years old male child presented with complaints of epistaxis from the right nostril from the last 10-days. His coagulation profile is normal and he has no history of nasal trauma. Nasal endoscopy was done which was normal except some enlarged vessels at the enterior end of septum. The cause of epistaxis in this case is

- Angiofibroma.
- Little's Area
- Liver disease
- Nose picking
- Underlying renal pathology

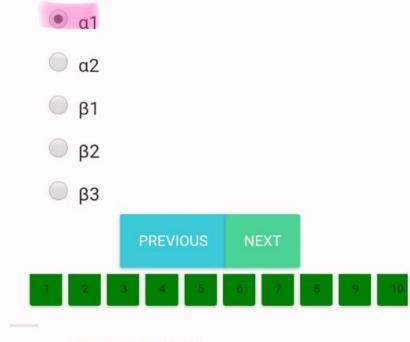
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Important Note

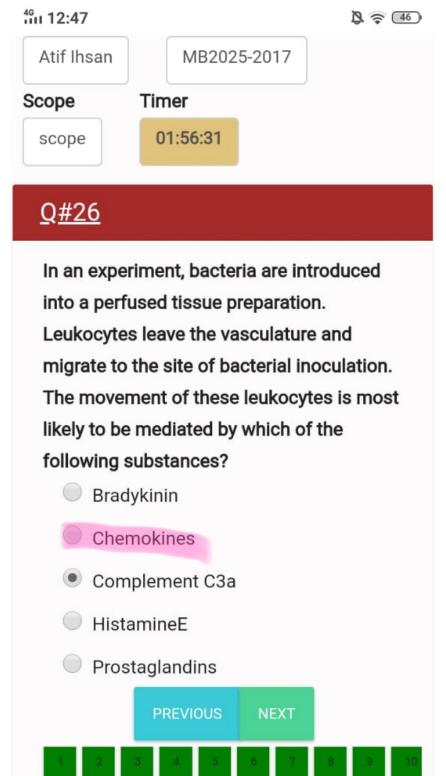
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<u>Q#87</u>

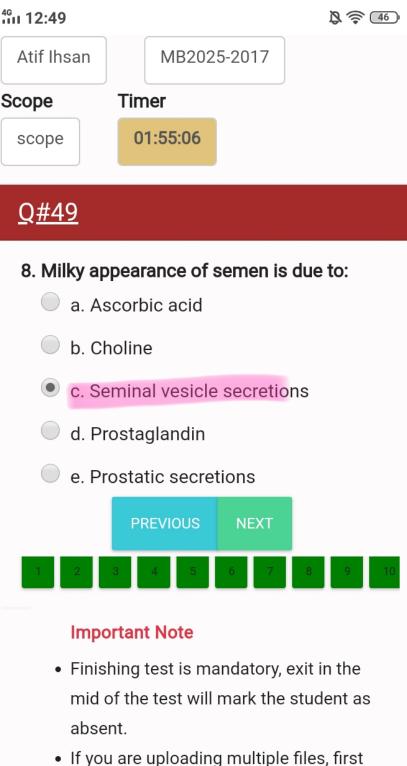
A 34-year-old woman was at the dentist for an endodontic procedure. Before starting the procedure, the dentist injected a solution of lidocaine plus epinephrine near the tooth in order to provide local anesthesia. The epinephrine-induced increased duration of the lidocaine effect was most likely mediated by the activation of which of the following adrenoceptors?



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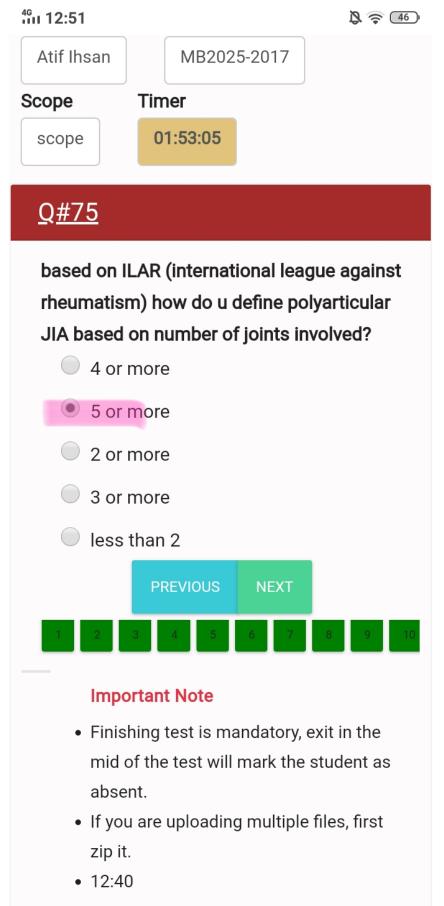
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scope **01:55:29**

Q#41

A 44 years old male comes to medical office for routine checkup. He is a business executive and enjoys life to the fullest. He feels healthy and lives an active life. He smokes occasionally. He occassionally complaints of Dizzy spells for the last six months. His temperature is 98.6, with a blood pressure of 160/90. His pulse rate is 88/min and regular. He has a BMI of 31 and is plethoric. His labs results are as follow HB 19g/dl, TLC of 16000/mm3, Platelets of 460,000/mm3, HCT 59, RBC count 6.8 million. K 5.5meq/l, Na 136meq/l, Creatinine 1.1mg/dl, Glucose 96g/dl. What is the most likely diagnosis?

- Adrenal insufficiency
- Cushing syndrome
- Congestive heart failure
- Idiopathic Hypertension
- Polycythemia rubra vera





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scope **01.37.2**

<u>Q#8</u>

Diagnosis of acute lymphoblastic leukemia in bone marrow requires:

- 15% blasts
- 20% blasts
- 25% blasts
- 30% blasts
- 35%blasts

PREVIOUS NEXT

Incompany of Manager

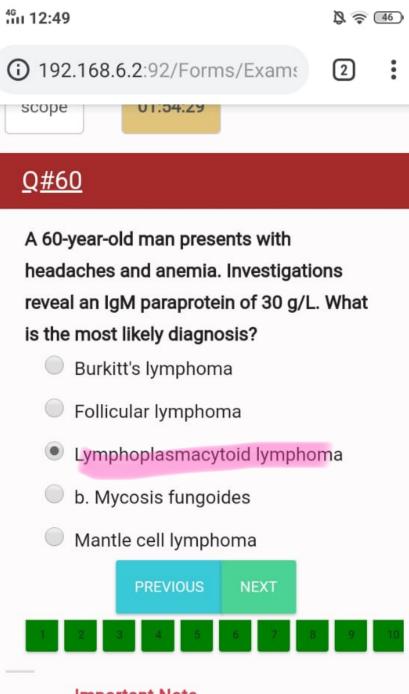
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Q#37

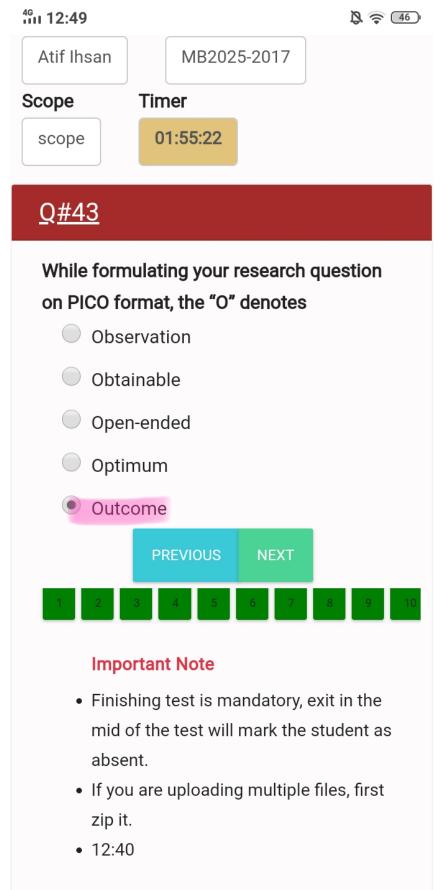
A 4-year-old boy has appeared listless during the past week. He exhibits irritability when his arms or legs are touched. In the past 2 days, large ecchymoses have appeared on the right thigh and left shoulder. CBC shows hemoglobin, 9.3 g/dL; hematocrit, 28.7%; MCV, 96 µm3; platelet count,45,000/mm3; and WBC count, 13,990/mm3. Examination of the peripheral blood smear shows blasts that lack peroxidase positive granules, but contain PAS-positive aggregates and stain positively for deoxynucleotidyl transferase negative (TdT-). Flow cytometry shows the phenotype of blasts to be CD19+, CD3-, and sig-. Which of the following is the most likely diagnosis

- Acute lymphoblastic leukemia
- Acute myelogenous leukemia
- Chronic lymphocytic leukemia
- Chronic myelogenous leukemia
- Idiopathic thrombocytopenic purpura

PREVIOUS NEXT



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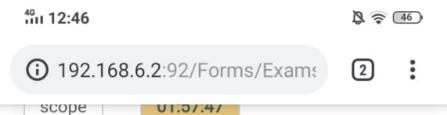
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<u>Q#85</u>

A 22-year-old man complained of fever, tiredness, and profuse night sweat for the last 5 months. On physical examination, it was found that he had lost 10 kg weight in this duration and had markedly enlarged non-tender lymph nodes in the anterior cervical region. A biopsy of his lymph node was taken and sent for a hematopathologist's opinion, which stated that the lymph node has a large binuclear cell with an inflammatory background of lymphocytes, macrophages, eosinophils, and plasma cells. What is the most probable diagnosis?

- Chronic Lymphocytic Leukemia
- Follicular Lymphoma
- Hairy Cell Leukemia
- Hodgkin's Lymphoma
- Mantle Cell Lymphoma



<u>Q#3</u>

A child presented with microcytic hypochromic anemia with normal levels of RBC protoporphyrin. Most likely diagnosis is:

- Anemia of chronic disease
- Iron deficiency anemia
- Lead toxicity
- Sideroblastic anaemia
- Thalassemia

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Q#50

A 30-year-old man has a pheochromocytoma of the left adrenal gland; a sibling had a cerebellar hemangioblastoma. He undergoes adrenalectomy, and on microscopic examina- tion there is extensive vascularity of the neoplasm. Mutational analysis of the neoplastic cells shows that both allelic copies of a gene have been lost, so that a protein that binds to hypoxia-inducible factor 1-alpha is no longer ubiquitinated, but instead translocates to the nucleus and activates transcription of VEGF. Which of the following genes is most likely mutated in this man?

- APC
- BCL2
- HER2Neu
- MYC
- VHL

PREVIOUS NEXT

2 3 4 5 6 7 8 9

A patient presents with abdominal lymphadenopathy and peripheral blood lymphocytosis. The immunophenotyped is CD20+ CD5+ and CD23-. Cytogenetic analysis shows a t(11:14) translocation. What is the diagnosis?

Burkitt lymphoma

Chronic lymphocytic lymphoma variant

Follicular lymphoma

Marginal zone lymphoma

Mantle cell lymphoma

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Q#56

A cancer cell that is resistant to the effects of both vincristine and methotrexate probably has developed the resistance as a result of which of the following mechanisms?



Changes in the properties of a target enzyme



Decreased activity of an activating enzyme



Increased expression of a P-glycoprotein transporter



Increased production of drug-trapping molecules

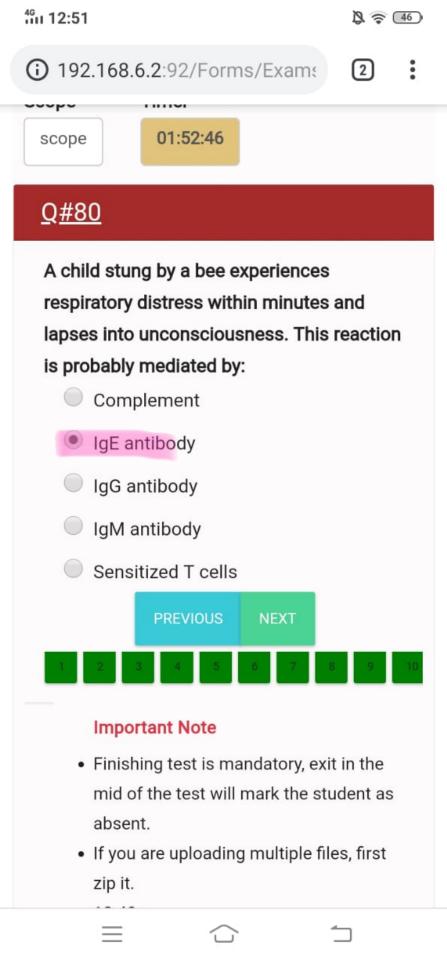


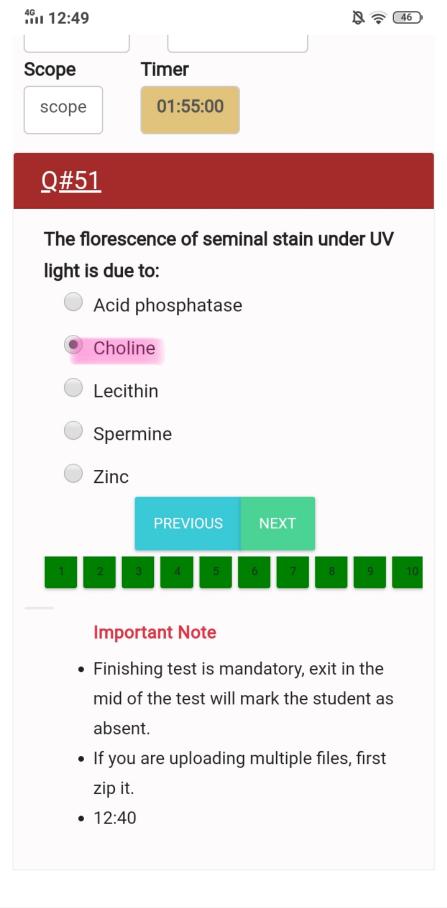
Increase in proteins that are involved in DNA repair

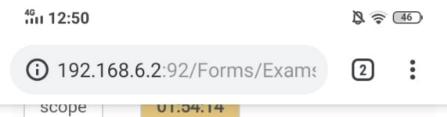
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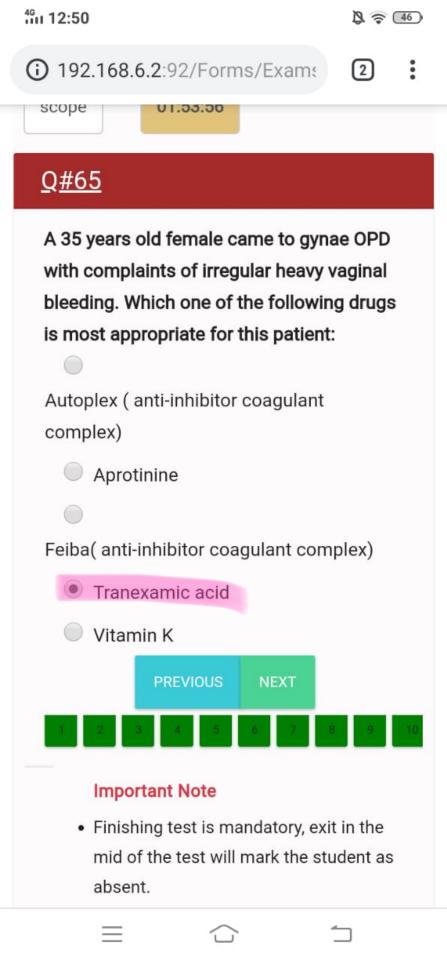
Q#64

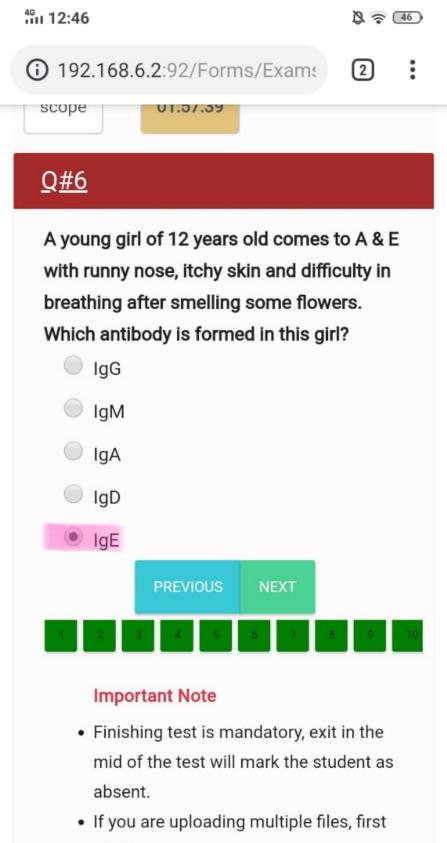
A 10 year old boy is suffering from sore throat. On examination of blood he has IgM antibodies formed. What sort of infection is this?

- Chronic infection
- Granulomatous infection
- Acute infection
- caseous infection
- Gangrenous infection



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<u>Q#59</u>

47-year-old woman has had increasing pain and deformities in her hands for the past 10 years. On physical examination, she has metacarpophalangeal joint swelling, erythema, and tenderness. There is a subcutaneous nodule on the ulnar aspect of the right forearm. A biopsy specimen of the nodule shows central necrosis surrounded by epithelioid histiocytes. Which of the following therapies is most likely to be effective in this patient?

- Anti-TNF agents
- Bisphosphonates
- Broad-spectrum antibiotics
- Cell cycle inhibitors
- Uricosuric agent

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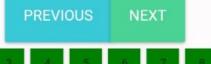


Q#88

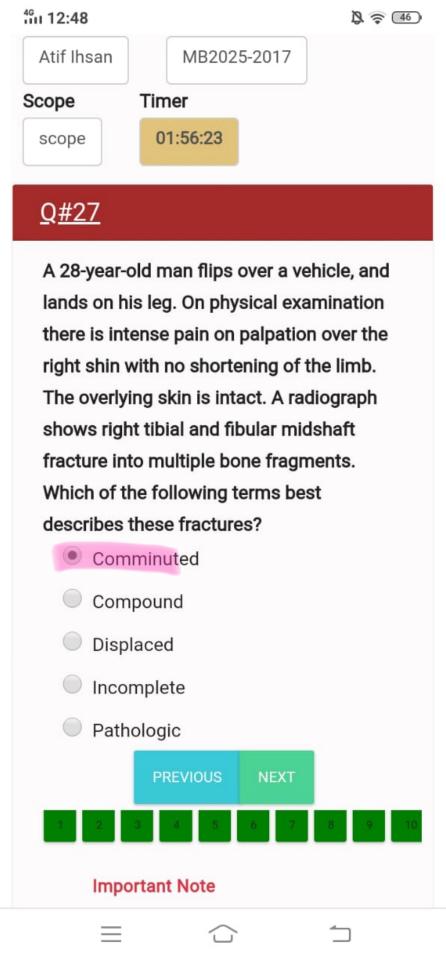
A patient presents with increased serum iron, decreased TIBC, increased %saturation and increased serum ferritin .

Most likely diagnosis is:

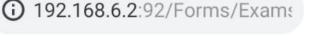
- Anemia of chronic disease
- Iron deficiency Anemia
- Sickle cell anemia
- Sideroblastic Anemia
- Thalassemia



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scope 01:52:30

<u>Q#84</u>

A 25 year old patient comes to Emergency Department with fracture Tibial Shaft as a result of motor bike accident 4 hours ago. He has a five centimeter long lacerated wound over the fracture site with exposed bone. What will be the most appropriate method of treating his fracture?

- External Fixation
- Intra-medullary Nailing
- Plating
- POP Cast
- Skeletal Traction

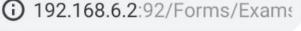
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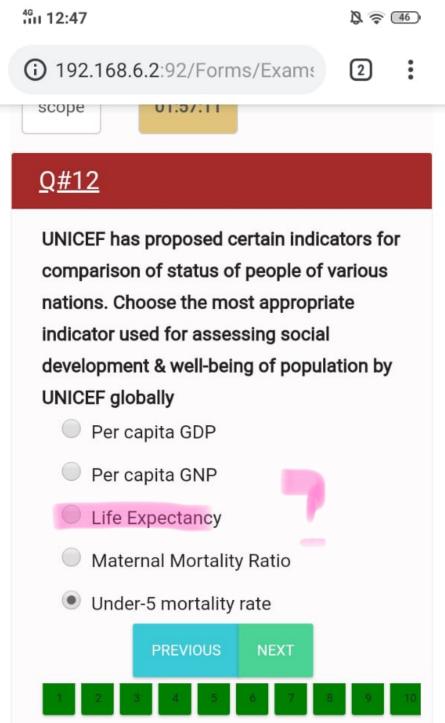
<u>Q#53</u>

The four measures of central tendency are mean, median, mode, and midrange. The median is almost equivalent to which value?

- 10th percentile
- 50th percentile
- 75th percentile
- 100th percentile
- Interquartile range

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Scope

Q#86

A 62 year old patient is prescribed an anticholinergic medication for overactive bladder. Shortly after starting the medication, the patient complains of dry mouth, blurred vision, and difficulty urinating. Which of the following medications is most likely responsible for these adverse effects?

- Acetylcholinesterase inhibitor
- Muscarinic agonist
- Muscarinic antagonist
- Nicotinic agonist
- Nicotinic antagonist



Important Note

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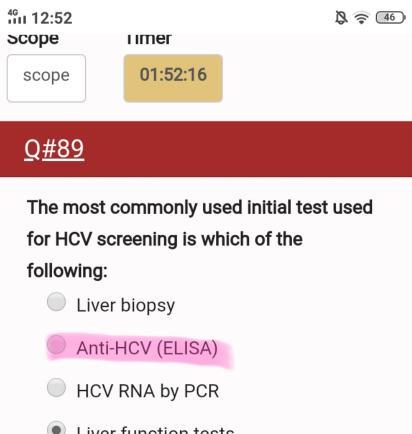
<u>Q#8</u>

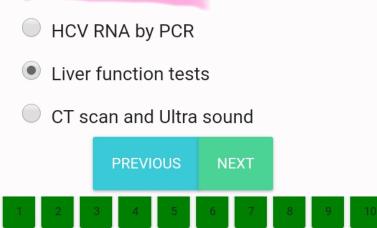
Diagnosis of acute lymphoblastic leukemia in bone marrow requires:

- 15% blasts
- 20% blasts
- 25% blasts
- 30% blasts
- 35%blasts

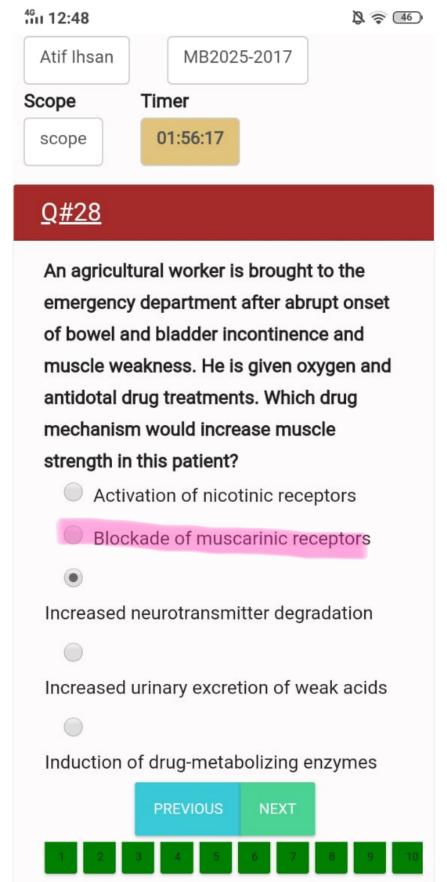
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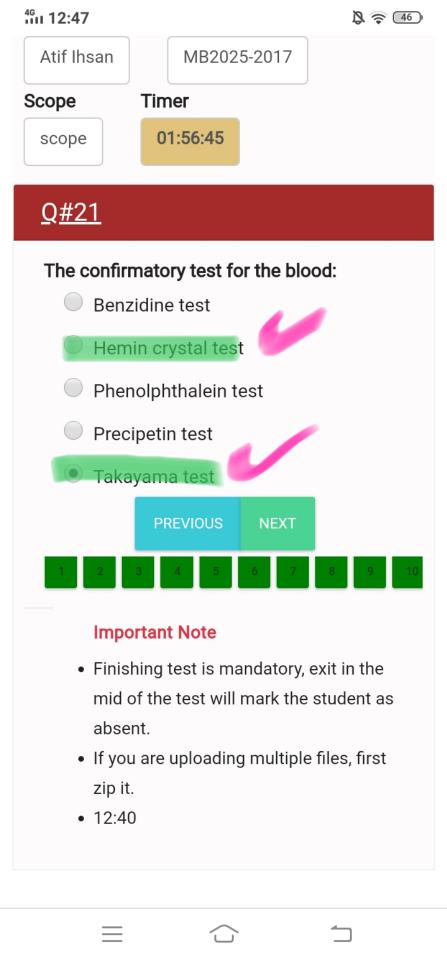
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<u>Q#7</u>

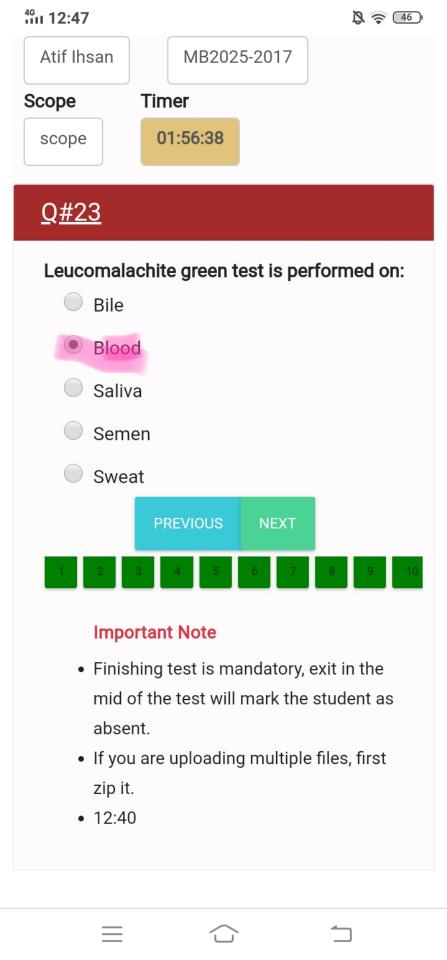
A 53-year-old woman recently diagnosed with gouty arthritis started a treatment with a drug that inhibits leukocyte migration and phagocytosis secondary to inhibition of tubulin polymerization. Which of the following drugs did the patient most likely take?

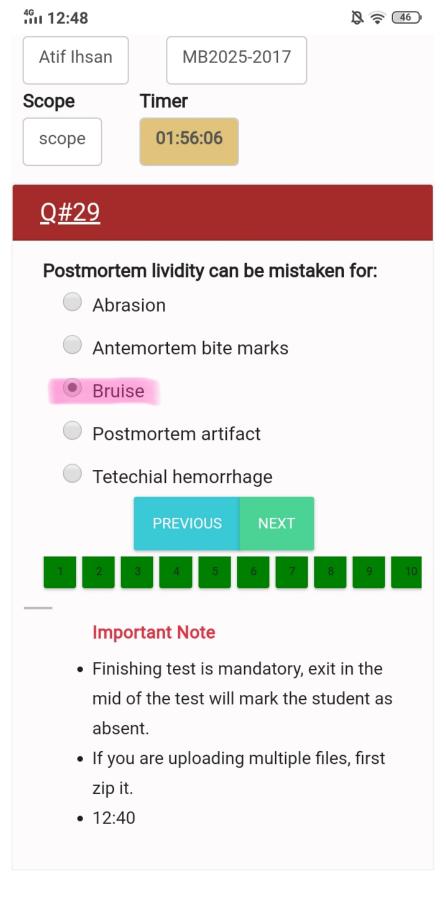
- Allopurinol
- Colchicine
 - Indomethacin
- Prednisone
- Probenecid

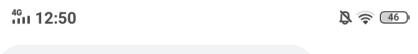
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scope 01:55:55

<u>Q#66</u>

The reliable indicator of prognosis of malignant tumor

- Abnormal mitosis
- Degree of differentiation
- Invasiveness
- Pleomorphism
- Size of tumor

PREVIOUS NEXT

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Scope

01:54:58

Timer

Q#52

A 50-year-old woman with rheumatoid arthritis was recently diagnosed with refractory disease, and infliximab was added to her ongoing treatment. Which of the following endogenous compounds was most likely the molecular target of the drug?

- Epidermal growth factor
- Interleukin -1
- Interleukin -10
- Tumor necrosis factor-α

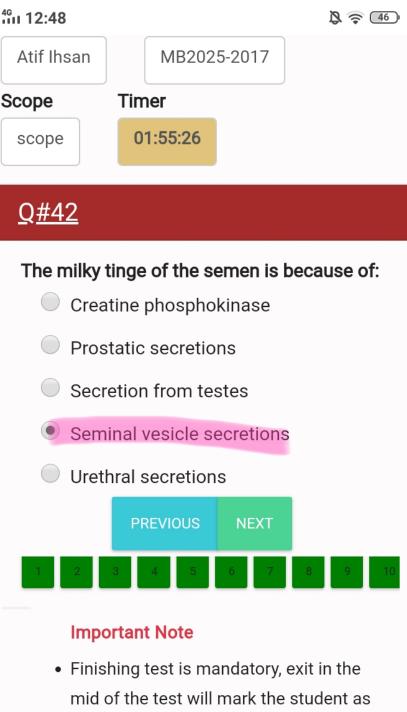
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Vascular endothelial growth factor

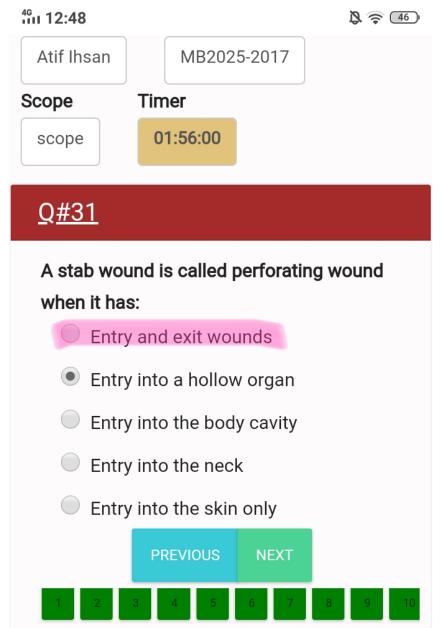
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<u>Q#63</u>

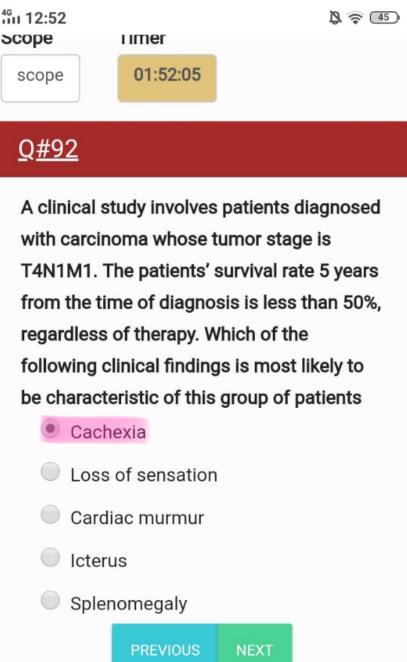
A 66 year old man with chronic cough has an episode of hemoptysis. A chest radiograph shows a 6 cm mass in the right lung. A sputum cytological analysis shows neoplastic squamous cells. Metastasis from his lung lesion are most likely to be found at which of the following sites?

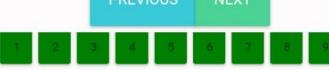
- Cerebral hemispheres
- Chest wall muscle
- Hilar lymph nodes
- Splenic red pulp
- Vertebral bone marrow



Important Note

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01.00.10

<u>Q#67</u>

A student is planning a research study on the effects of a new teaching method on student engagement. Which of the following is the first step she should take in her research process?

- Choose a research design
- Collect and analyze data
- identify a sample Population
- Write up the study findings

Develop a research question or hypothesis



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1 year old child is being treated in Shaukat
Khanam Hospital Lahore and getting
radiotherapy for carcinoma. A polio case
has been detected in his residential locality.
Pediatrician decides to protect him against
poliomyelitis by giving:

- Human normal immunoglobulin
- Human specific immunoglobulin
- Oral polio vaccine
- Inactivated polio vaccine

Chemoprophylaxis with antiviral drugs



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01.54.58

<u>Q#57</u>

Certain components of our immune system are characterized by two features: (1) respond specifically to microbes and (2) exhibit memory of having responded to a particular microbe previously. Which one of the following cells of the Immune system has BOTH specificity and memory?

- Natural killer cells
- Dendritic cells
- Macrophages
- B cells
- Neutrophils

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Important Note

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Atif Ihsan

MB2025-2017

Scope

Timer

scope

01:56:36

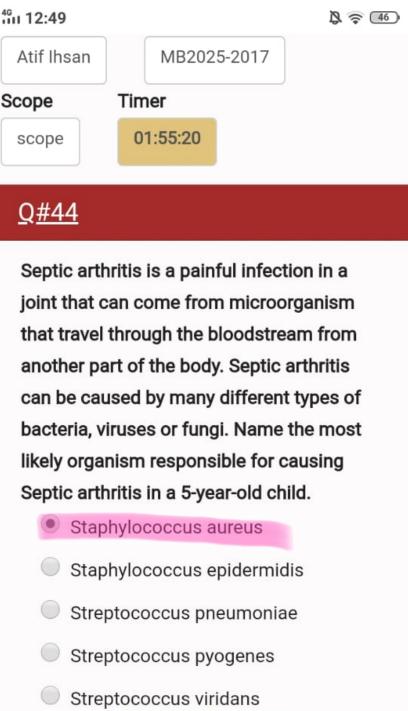
<u>Q#24</u>

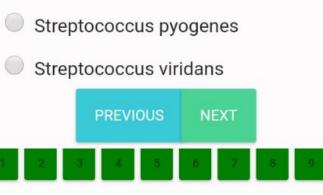
A 22-year-old man has a sudden loss of vision in the right eye. On physical examination, there is a subluxation of the crystalline lens of the right eye. On auscultation of the chest, a midsystolic click is audible. An echocardiogram shows a floppy mitral valve and dilated aortic arch. The patient's brother and his cousin are similarly affected. A genetic defect involving which of the following substances is most likely to be present in this patient?

- collagen
- Dystrophin
- Fibrillin
- NF-1 protein
- Spectrin

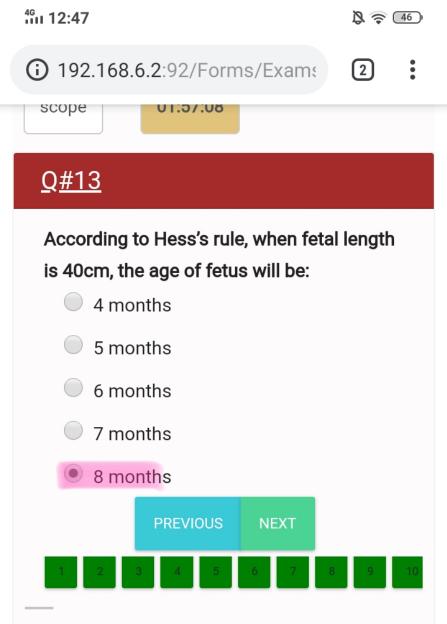
NEXT

PREVIOUS





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- Finishing test is mandatory, exit in the mid of the test will mark the student as absent.
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- 12:40

A patient presents with abdominal lymphadenopathy and peripheral blood lymphocytosis. The immunophenotype is CD22+ CD5+ and CD23-. Cytogenetic analysis shows a t(11:14) translocation. What is the diagnosis?



- Diffuse large B-cell lymphomas
- Follicular lymphomas
- Marginal zone lymphoma
- Mantle cell lymphoma



- Finishing test is mandatory, exit in the mid of the test will mark the student as absent.
- If you are uploading multiple files, first zip it.
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scope **01:55:39**

<u>Q#38</u>

A 20 year old girl is allergic to flowers, on exposure in spring she experiences sneezing, breathlessness and rash. What is the diagnosis?

- Atopy.
- anaphylaxis
- COPD
- Carditis
- pancarditis

PREVIOUS NEXT

3 4 5 6 7 8

- Finishing test is mandatory, exit in the mid of the test will mark the student as absent.
- If you are uploading multiple files, first zip it.
- 12:40