

scope

01:55:39

Q#38

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

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Important Note

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



scope

01:53:40

Q#68

A 23 year old pregnant woman is referred by her obstetrician for elevation of anemia. She is in her fourth month of pregnancy. Her hemoglobin is 10g/dl. If this patient has a young child at home & is taking iron containing parenteral supplements, she should be warned that they are a common source of accidental poisoning in young children & advised to make a special effort to keep these pills out of her child's reach. Toxicity associated with acute iron poisoning usually includes which of the following?



Dizziness, hypertension & cerebral hemorrhage



Hyperthermia, delirium & coma



Hypotension, cardiac arrhythmias & seizures



Option is missing



A male of 50 years was diagnosed with Myasthenia Gravis 6 months ago and started on treatment. He presented to the medical OPD with complaints of increased fatigue, weakness, drooping of eyelids and difficulty in breathing since 2 days. The doctor injected 0.2mg of Edrophonium and observed the patient. He noticed that the symptoms of the patient got a little better. What is the most appropriate strategy to proceed with the management?

Add on another drug to the treatment



Decrease the dose of drugs used for treatment



Increase the dose of drugs used for treatment



Stop the drugs being given immediately



Use alternate group of drugs for treatment

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MB2025-2017

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Timer

01:53:07

Q#74

A 16-year-old girl was treated topically with eye drops during a routine ophthalmoscopic examination. After 15 minutes, the ophthalmologist measured an increase in pupillary diameter with negligible changes in lens curvature and intraocular pressure. Which of the following drugs was most likely administered to the patient?

- Acetylcholine
- Apraclonidine
- Epinephrine
- Phenylephrine
- Timolol

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Important Note

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01:53:51

Q#67

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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Important Note

- Finishing test is mandatory, exit in the mid of the test will mark the student as absent.
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Q#39

A 76 year old woman has noted a change in the caliber of her stools during the past month. Stool sample is positive for occult blood. A constricting mass involving the lower sigmoid colon is found on colonoscopy. She undergoes a partial colectomy. Which of the following techniques used during the surgery can best aid the surgeon in determining whether the resection is adequate to reduce the probability of recurrence?

- Electron microscopy
- Fine needle aspiration
- Flow cytometry
- Frozen section
- Serum carcinoembryonic antigen

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Important Note

- Finishing test is mandatory, exit in the



Q#36

Multiple members of a family have a disease that is associated with a genetic change that involves substitution of adenine for thymine involving one base pair on homologous chromosomes. What is the best term to describe this finding?

- Copy number variation
- Deletion
- Epigenetic change
- Single nucleotide polymorphism
- Trinucleotide repeat mutation

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Important Note

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

01.34.43

Q#54

A 78 years old smoker presents with 8 months history of cough and worsening dyspnea. The patient has clubbing, his saturation is 93% on room air and he has fine basal inspiratory crackles in the lower zones. What is the investigation of choice to arrive at a diagnosis

- Bronchoscopy
- CT Pulmonary angiogram
- High resolution CT chest
- Pleuroscopy
- Spirometry

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Important Note

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

scope

01.37.41

Q#5

Mrs Kamal 65 year old presents to outpatient clinic with history of back pain with height loss. Her Past Medical history includes fracture left distal radius 3 years ago. She also takes steroids on and off for her Asthma. On examination she has got kyphosis with tenderness at the lumbar spine. Her X-ray shows vertebral collapse at L4 . Based on her clinical history , examination and imaging what is the most likely cause of her symptoms ?

- Ankylosing Spondylitis
- Rheumatoid Arthritis
- Osteoarthritis
- Osteomalacia
- Osteoporosis

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01:52:35

Q#82

A 15-year-old girl has developed multiple nodules on her skin over the past 10 years. On physical examination, there are 20 scattered, 0.3-cm to 1-cm, firm nodules on the patient's trunk and extremities. There are 12 light brown macules averaging 2 to 5 cm in diameter on the skin of the trunk. Slit-lamp examination shows pigmented nodules in the iris. A sibling and a parent are similarly affected. Genetic analysis shows a loss-of-function mutation. Which of the following inheritance patterns is most likely to be present in this family?

- Autosomal dominant
- Mitochondrial
- Multifactorial
- X-linked recessive
- Autosomal recessive

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Atif Ihsan

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01:53:10

Q#73

A 50-year-old man has felt vague abdominal discomfort for the past 4 months. On physical examination he has no lymphadenopathy, and no abdominal masses or organomegaly can be palpated. Bowel sounds are present. An abdominal CT scan shows a 20 cm retroperitoneal soft tissue mass obscuring the left psoas muscle. A stool specimen tested for occult blood is negative. Which of the following neoplasms is this man most likely to have?.

- Adenocarcinoma
- Hamartoma
- Lymphoma
- Liposarcoma
- Melanoma

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Atif Ihsan

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Timer

01:55:09

Q#48**"Paltauf's hemorrhages are observed in:**

- brain in putrefaction
- drowning
- electrocution
- fall injury to the skull
- throttling

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Important Note

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01:51:59

Q#94

The human blood can be differentiated from other species by:

- Benzidine test
- Hemin crystal test
- Phenolphthalein test
- Preciptin test
- Takayama test

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Important Note

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01:55:32

Q#40

Which of the following is the commonest adverse effect of Erythropoietin?

- Capillary leak syndrome
- Dyspnea
- Hypokalemia
- Neutropenia
- Pure red cell aplasia

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Q#20

A 13 year old boy is suffering from mouth ulcers. Doctor prescribed antifungal oral drops. Which antibody safe guards mucosal surfaces?

- IgM
- IgG
- IgA
- IgD
- IgE

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Important Note

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- 12:40

scope

01:57:10

Q#10

A woman in a smoking cessation program receives a drug that reduces craving and withdrawal effects. Which effect results from receptor activation by this drug?

- Increased cyclic AMP
- Increased cyclic GMP
- IP3 formation
- Potassium efflux
- Sodium influx

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Important Note

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- 12:40



scope

01:57:49

Q#2

In female population of Pakistan, cancer is quite common. Choose from the following the most common cancer in adult female population of Pakistan:

- Breast cancer
- Cancer of cervix
- Ovarian cancer
- Oral cancer
- Skin cancer

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Important Note

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- 12:40



Q#17

A 5 years boy is brought to eye emergency with a history of trauma to his right eye with a pair of scissor. on examination visual acuity is 6/18 in right eye and 6/6 in left eye. he has right inferio corneal perforation with prolapse of pigmented tissue through the laceration in the cornea. the prolapsed tissue is:

- cilliary body
- lens
- iris
- choroid
- ratina

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Important Note

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- 12:40



Atif Ihsan

MB2025-2017

Scope

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01:56:42

Q#22

A 34-year-old woman reports having generalized fatigue and night sweats for 3 months. Physical examination shows nontender right cervical lymphadenopathy. Biopsy of one lymph node is performed, and microscopic examination shows a pattern of thick bands of fibrous connective tissue with intervening lymphocytes, plasma cells, eosinophils, macrophages, and occasional Reed-Sternberg cells. An abdominal CT scan and bone marrow biopsy specimen show no abnormalities. Which of the following is the most likely subtype of this patient's disease?

- Lymphocyte depletion
- Lymphocyte predominance
- Lymphocyte rich
- Mixed cellularity
- Nodular sclerosis



Atif Ihsan

MB2025-2017

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Timer

01:53:33

Q#70

Battle's sign refers to the bruise:

- Bruise below the chin
- Bruise on patella
- Bruise on the natal cleft
- Bruises on the chest
- Retro auricular bruise

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Important Note

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- 12:40



scope

01:52:43

Q#81

25 year old female present an osteolytic lesion in distal epiphysis of right femur. Tumor is resected. Gross shows multiple cysts and brown deposits .Histologically, it is composed of sheets of monotonous cells, uniformly scattered multinucleated giant cells and deposits of hemosiderin.

Features are most consistent with:

- brown tumor of hyperparathyroidism
- Chondroblastoma
- Giant cell reparative granuloma
- Giant cell tumor
-

Pigmented villo nodular tenosynovitis

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Important Note

Atif Ihsan

MB2025-2017

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Timer

01:55:57

Q#32

Parents of a 3 year old bring their child to your clinic with complaints of her inability to move right leg and fever for last 3 days. The child looks cranky, is febrile to touch. You attempt to examine her leg and she cries out in pain. The knee joint is swollen, red, hot and tender. The child keeps the leg in flexed position. You order lab work and x ray rt knee joint. Cbc shows hb 9.2, tlc 30,000 with 90% neutrophils, CRP is 32 X ray knee shows loss accumulation of synovial fluid. You advise the parents to admit the child. What is the most probable diagnosis

- rheumatoid arthritis
- osteoarthritis
- reactive arthritis
- post infectious arthritis
- achondroplasia



Q#62

The study of designing equipment & devises that fit human body, its movements & its cognitive abilities". This definition pertains to which one of the following choices

- Ergogenic aids
- Ergonomics
- Archeology
- Gerontology
- Anthropology

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Important Note

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scope

01:54:35

Q#58

7. Postmortem lividity and rigor mortis are criteria to determine:

- a. cause of death
- b. extent of volitional activity
- c. fatal period
- d. manner of death
- e. PM interval

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Important Note

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- 12:40

Q#18

A 44-year-old woman at a routine check-up was found to have a serum urate level of 18 m g/dL and a urine urate level of 800 m g/24 h. She started an appropriate treatment, and 3 weeks later her serum urate level was 7.2 m g/dL and urinary urate level was 530 m g/24 h. Which of the following drugs did the patient most likely take?

- Allopurinol
- Aspirin
- Furosemide
- Indomethacin
- Probenecid

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MB2025-2017

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Timer

01:55:17

Q#45

Ahmed, a 60-year-old man in Pakistan, has been experiencing abdominal pain and weight loss. After medical tests, he was diagnosed with cancer that originates in the digestive system. What type of cancer is Ahmed likely suffering from?

- Lung cancer
- Liver cancer
- Colorectal cancer
- Prostate cancer
- Brain cancer

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Important Note

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Q#19

A 14-year-old healthy girl has a 0.3 cm reddish, slightly raised nodule on the skin of the upper part of her chest found on a routine physical examination. She states that this lesion has been present for years and has not appreciably changed in size or color.

- Glioma
- Hemangioma
- Lymphoma
- Melanoma
- Wilms tumor

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Important Note

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- 12:40



A 35 year old male presents to the clinic with a 6 months history of low back pain with stiffness. The stiffness lasts about 45 minutes and tends to improve with activity. There is no history of trauma. On examination he has minimal tenderness at the lumbar spine and the left sacroiliac joint. His blood tests show normal CRP and full blood count .X-rays of the lumbosacral spine and sacroiliac joint are normal. Based on his symptoms what is the next best test to asses his symptoms further ?

DEXA scan



MRI sacroiliac joint with STIR sequence

MRI lumbar spine

Ultrasound of the spine

X-ray thoracolumbar spine

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Important Note

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scope

01:52:13

Q#90

Antimuscarinic drugs have limited usefulness in preventing bronchospasm. This limited efficacy is because of which of the following reasons?



Antagonism induced enhanced bronchial edema



Non-specific binding to muscarinic receptors



Non-muscarinic stimulation of the airways



Rapid dissociation from the receptors



Reversible binding to the M3 receptors

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Important Note

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01:57:44

Q#4

A 40 year old man presents in outpatient department with painful swelling of his proximal leg, which is warm, firm and tender with limited range of movements of knee due to pain. His X-rays show an ill defined osteolytic lesion of the proximal Tibia. What will be the most appropriate investigation to further assess this lesion ?

- Bone Scan
- CT Scan
- DEXA Scan
- MRI
- PET Scan

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Important Note

- Finishing test is mandatory, exit in the mid of the test will mark the student as

scope

01:57:31

Q#7

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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Important Note

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scope

01:52:11

Q#91

A 48-year-old man was admitted to the emergency department with the chief complaint of an excruciating pain in his left ankle. The pain had started the previous night and increased over several hours. The patient reported that he sprained his ankle 1 week ago. On physical examination, the ankle appeared warm and tender, and the entire area was red and swollen. A synovial fluid analysis showed crystals engulfed by phagocytes. A diagnosis was made, and a pharmacotherapy was prescribed. Which of the following drugs would be most appropriate to treat the patient's pain?

- Allopurinol
- Aspirin
- Codeine
- Indomethacin
- Methotrexate

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01:52:02

Q#93

In an experiment, bacteria are inoculated into aliquots of normal human blood that have been treated with an anticoagulant. It is observed that the bacteria are either phagocytized by neutrophils or undergo lysis. Which of the following blood plasma components is most likely to facilitate these effects?

- Complement
- Fibrin
- Kallikrein
- Plasmin
- Thrombin

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01:53:13

Q#72

A 36-year-old woman presents with a pigmented lesion on the posterior aspect of her left calf . An excisional biopsy demonstrates a superficial spreading type of melanoma. Which of the following histologic features has the most important prognostic value in your evaluation of this patient?

- Degree of melanocytic atypia
- Degree of vascularity
- Depth of dermal invasion
- Extent of intraepidermal invasion
-

Presence of variable melanin pigmentation

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Important Note



Q#9

Most important reason for recommending oral polio vaccine in the polio eradication campaign despite availability of a safe injectable vaccine is that, it:

Provides 90% immunity in one dose



Does not interfere with vertical immunity

Has been donated by WHO

Provides herd immunity

Has less side effects

Q#28

An agricultural worker is brought to the emergency department after abrupt onset of bowel and bladder incontinence and muscle weakness. He is given oxygen and antidotal drug treatments. Which drug mechanism would increase muscle strength in this patient?

- Activation of nicotinic receptors
- Blockade of muscarinic receptors
-

Increased neurotransmitter degradation



Increased urinary excretion of weak acids



Induction of drug-metabolizing enzymes