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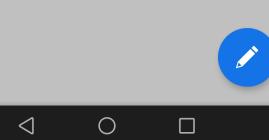
## Pathology

A	Cytomegalovirus	В	Giardia Lamblia C	Mycobacte	erium tuber <mark>c</mark> ulosis
D	Pseudomonas aeruginosa	E	Treponema pallidium	1	
Certa	ain drugs have the capability of inhil	piting P45	50 enzymes thus leading to many	/ importan	t clinical consequences. Which
of th	e following statements is the most a	ppropria	te regarding enzyme inhibition?		
А	Enzyme inhibition generally	В	Enzyme inhibition generally	С	Enzyme inhibition occurs at
	results in treatment failure		results in toxicity		the level of gene expression
D	Enzyme inhibition takes a	E	Peak effects of enzyme inhibiti	ion are	
The	couple of days to begin Nurse-on-duty in a Medical unit was	a a la cila di	seen in a couple of weeks	unitation of the di	he also at and a set a set is set
admi	itted with pneumonia. Which of the ylpenicillin to the units of Benzylper	followin			
A	One milligram of	В	One milligram of	С	One milligram of
	Benzylpenicillin = 16 units of		Benzylpenicillin = 160 units		Benz <mark>ylpenicillin = 1</mark> 600 unit
	Benzylpenicillin		of Benzylpenicillin		of Benzylpenicillin
D	One milligram of	E	One milligram of		
	Benzylpenicillin = 16000 units		Benzylpenicillin = 160000		
A 1/0	of Benzylpenicillin ung adult male patient was brought	in a criti	units of Benzylpenicillin	departme	nt with difficulty in broathing
	severe hypotension. He was diagnos				
in his	s chart order with a view to induce b bited by the Physician in this case?				
A	Chemical antagonism	В	Equilibrium-competitive	С	Non-competitive antagonis
			antagonism	-	
			antagonism		
D	Non-equilibrium-competitive an	agonism		sm	
A sm	all piece of wood becomes embedd	ed in the	E Physiological antagonis	does not r	
A sm days	all piece of wood becomes embedd the area around the piece becomes	ed in the red, swo	E Physiological antagonis finger of a 25-year-old man. He Illen, and tender. Neutrophils mi	does not r grate into	the injured tissue. Expression
A sm days whic	all piece of wood becomes embedd the area around the piece becomes h o <mark>f the follow</mark> ing substances on en	ed in the red, swo dothelial	E Physiological antagonis finger of a 25-year-old man. He ollen, and tender. Neutrophils mi cells is most instrumental in pro	does not r grate into moting thi	the injured tissue. Expression s inflammatory reaction?
A sm days	all piece of wood becomes embedd the area around the piece becomes	ed in the red, swo	E Physiological antagonis finger of a 25-year-old man. He Illen, and tender. Neutrophils mi	does not r grate into	the injured tissue. Expression
A sm days whic	all piece of wood becomes embedd the area around the piece becomes h o <mark>f the follow</mark> ing substances on en	ed in the red, swo dothelial	E Physiological antagonis finger of a 25-year-old man. He ollen, and tender. Neutrophils mi cells is most instrumental in pro	does not r grate into moting thi	the injured tissue. Expression s inflammatory reaction?
A sm days whic A D A 50- osteo	all piece of wood becomes embedd the area around the piece becomes h o <mark>f the following substances on en E Selectin</mark>	ed in the red, swo dothelial B E Orthopa staphyle	E Physiological antagonis finger of a 25-year-old man. He Illen, and tender. Neutrophils mi cells is most instrumental in pro Hageman factor Prostacyclin edic unit of a tertiary care hospii ococcus aureus (MRSA). High dos	does not r grate into moting thi C tal, was su	the injured tissue. Expression s inflammatory reaction? Interferon gamma ccessfully treated for
A sm days whic A D A 50- osteo	all piece of wood becomes embedd the area around the piece becomes h of the following substances on en Eselectin Lysozyme years old male patient, admitted in owgelitis due to methicillin-resistan	ed in the red, swo dothelial B E Orthopa staphyle	E Physiological antagonis finger of a 25-year-old man. He Illen, and tender. Neutrophils mi cells is most instrumental in pro Hageman factor Prostacyclin edic unit of a tertiary care hospii ococcus aureus (MRSA). High dos	does not r grate into moting thi C tal, was su	the injured tissue. Expression of s inflammatory reaction? Interferon gamma ccessfully treated for
A sm days whic A D A 50- osteo prob	all piece of wood becomes embedd the area around the piece becomes h of the following substances on en <u>E Selectin</u> Lysozyme vears old male patient, admitted in myelitis due to methicillin-resistan ably used in this patient may cause	ed in the red, swo dothelial B E Orthopa Staphyle which of	E Physiological antagonis finger of a 25-year-old man. He lilen, and tender. Neutrophils mi cells is most instrumental in pro Hageman factor Prostacyclin edic unit of a tertiary care hospit ococcus aureus (MRSA). High dos	does not r grate into moting thi C tal, was success of the a	the injured tissue. Expression s inflammatory reaction? Interferon gamma ccessfully treated for intibiotic that was most
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A sm days whic A D A 50- ostec prob A D A 45- Some be th A	all piece of wood becomes embedd the area around the piece becomes of the following substances on en Estection Lysozyme years old male patient, admitted in myelitis due to methicillin-resistan ably used in this patient may cause Alopecia Repartiti years old man working in a poultry or of his other working colleagues ha be best drug for the treatment of thi Acyclovir	ed in the red, swo dothelial B E Orthopa s Staphyle which of B E farm can d the sar s patient B	E Physiological antagonis finger of a 25-year-old man. He lilen, and tender. Neutrophism in cells is most instrumental in pro- Hageman factor Prostacyclin edic unit of a tertiary care hospin ococcus aureus (MRSA). High dos the following adverse effects? Blurred vision Impaired hearing te to the Medical OPD with 3-da ned for the prophylaxis of attem Famciclovir	does not r grate into moting thi C tal, was su ses of the a C ys history o y diagnose	the injured tissue. Expression (s inflammatory reaction? Interferon gamma ccessfully treated for mibiotic that was most Hallucinations of cough, fever and body aches d as a case of bird flu. What w
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A sm days whic A D A 50- ostec prob A 50- ostec prob A D A 45- Some A D D The F surp Tetra Tetra	all piece of wood becomes embedd the area around the piece becomes of the following substances on en Estection Lysozyme years old male patient, admitted in myrelitis due to methicillin-resistan ably used in this patient may cause Alopecia Repetitis years old man working in a poultry e of his other working colleagues ha be best drug for the treatment of thi Acyclovir Oseltammir Federal Health Ministry decided to ot sie visits to the drug market. It was cycline in one of the shops. Which cycline?	ed in the red, swo dothelial B E Orthopa s Staphyle which of B E farm can d the sar s patient B E E heck the during so of the foll	E Physiological antagonis finger of a 25-year-old man. He lilen, and tender. Neutrophism in cells is most instrumental in pro- Hageman factor Prostacyclin edic unit of a tertiary care hospin ococcus aureus (MRSA). High dos the following adverse effects? Blurred vision Impaired hearing te to the Medical OPD with 3-da ne problem. He was provisionall and for the prophylaxis of attem Famciclowir Ganciclowir drug inventory of the Pharmacy uc wing adverse effects might be e-	does not r grate into moting thi C tal, was success of the a c c c c ding physic C shops three g Inspector caused by	the injured tissue. Expression sinflammatory reaction? Interferon gamma cessfully treated for intibiotic that was most Hallucinations of cough, fever and body aches d as a case of bird flu. What w ian? Maraviroc bughout the country by makin found outdated preparations of
A sm days whic A D A 50- ostec prob A D A 45- Some be th A D D The F surp Tetra	all piece of wood becomes embedd the area around the piece becomes of the following substances on en Eselectin Lysozyme -years old male patient, admitted in onveilitis due to methicillin-resistan ably used in this patient may cause Alopecia <b>depatitie</b> -years old man working in a poultry e of his other working colleagues han be best drug for the treatment of thi Acyclowir <u>Oseltamikir</u> Federal Health Ministry decided to o rise visits to the drug market. It was	ed in the red, swo dothelial B E Orthopa Staphyle which of B E farm can d the sar s patient B E heck the during si	E Physiological antagonis finger of a 25-year-old man. He lilen, and tender. Neutrophils mi cells is most instrumental in pro Hageman factor Prostacyclin edic unit of a tertiany care hospit occcus aureus (MKSA). High dos the following adverse effects? Blurred vision Impaired hearing are to the Medical OPD with 3-da ne problem. He was provisionall and for the prophylasis of attem Famciclovir Ganciclovir drug inventory of the Pharmacy ch a visit when the Federal Drug	does not r grate into moting thi C tal, was success of the a c c c c ding physic C shops three g Inspector caused by	the injured tissue. Expression sinflammatory reaction? Interferon gamma cessfully troated for intibiotic that was most Hallucinations of cough, fever and body ache d as a case of bird flu. What w tan? Maraviroc Dughout the country by makin found outdated preparations

A	01 hour	Τ	В	02 hours		С	03 hours
D	04 hours		E	05 hours			
	armacist working in a tertiary car d completely the hepatic first-pas						
sugg	ested by the pharmacist?						
А	A Oral route for the tablets of drug X		B Oral route for the syrup of drug X		of	С	Rectal route for the ener drug X
D	Rectal route for the		E	Sublingual route for the			
Adr	suppository of drug X ug addict male patient was diagno		as a ree	tablets of drug X	cian pr	escribed a	ome penicillin. Being awar
the f	fact that drug addicts are notoriou	us re	garding	drug compliance, the Phys	sician i	ntended to	o prolong the duration of a
	e penicillin thus decreasing the fr r to exploit the therapeutic drug						
	s take place?						
Α	At the site of absorption B			site of distribution	С		te of drug metabolism
D	At the site of excretion	_	E	At the target site of drug			
	ild touches a lit candle and within Il blisters appear on finger pads. V						
A	Abscess formation		B	Fibrinous Inflammation	1003 (11	C	Keloid formation
D	Serous inflammation	+	E	Ulceration			
	lay 28 of her menstrual cycle, a 2						
	has had regular cycles since mena ate the onset of menstrual bleedir		. Which	of the following processe	s most	likely occ	urs in her endometrial cell
A	Apoptosis		В	Atrophy		С	Caseous necrosis
D	Hypertrophy		E	Liquefactive necrosis			
	nspector charged a factory owner of Factory Act 1948, being a Fore				oweve	r cour that	t labor isn't a Child In
		IISIC	Special	ist if you have to justify or	nullify		
	vs would be beneficial for you?	B		ist if you have to justify or kull	nullify C	the point	
X-ray A	ys would be beneficial for you? Lower end of Radius and Ulna	В	s	kull		the point	of owner then what
X-ray A D	ys would be beneficial for you? Lower end of Radius and Uina Upper end of radius and uina	В	S E X	kull iphisternum	C	the point	of owner then what
A A D A 24 shou	ys would be beneficial for you? wwwer end of Radius and Unna Upper end of radius and ulna -year-old primary gravida woman Ild be advised by her physician th	B dev at:	E X elops a	kull iphisternum positive IgM titre to Toxop	C	the point Upp gondii in h	of owner then what per end of humerus her eighth month. She
X-ray A D A 24	ys would be beneficial for you? Lower end of Radius and Una Upper end of radius and ulna -year-old primary gravida woman Jd be advised by her physician th This chid and all future	B	E X elops a	kull iphisternum positive IgM titre to Toxop lewborn with a positive	C	the point Upp gondii in h Fut	of owner then what ber end of humerus her eighth month. She ure infection be avoided
A A D A 24 shou	ys would be beneficial for you? wwwer end of Radius and Unna Upper end of radius and ulna -year-old primary gravida woman Ild be advised by her physician th	B dev at:	E X elops a N a	kull iphisternum positive IgM titre to Toxop	lasma j	the point Upp gondii in h Fut	of owner then what per end of humerus her eighth month. She
X-ray A D A 24 shou A	es would be beneficial for you? were rend of Radius and una Upper end of radius and una year-old primary gravida woman Id be advised by her physician th This child and all future fetuses are likely to be infected;	B dev at: B	E X elops a n w	kull iphisternum positive IgM titre to Toxop lewborn with a positive nti-toxoplasma IgG esponse should be treated rith anti-parasitics	lasma j	the point Upp gondii in h Fut	of owner then what ber end of humerus her eighth month. She ure infection be avoided
A A D A 24 shou	ys would be beneficial for you? Were end of Radius and Upper end of radius and ulna -year-old primary gravida woman Id be advised by her physician th This child and all future fetuses are likely to be	B dev at:	E X elops a N a n w	kull iphisternum positive IgM titre to Toxop lewborn with a positive nti-toxoplasma IgG seponse should be treated	lasma j	the point Upp gondii in h Fut	of owner then what ber end of humerus her eighth month. She ure infection be avoided
X-ray A D A 24 shou A	ys would be beneficial for you? Every end of Radius and una Upper end of radius and ulna year-old primary gravida woman ild be advised by her physician th Every area illely to be infectse: Retinochoroiditis can be prevented by drug treatment of an infant with	B dev at: B	E X elops a N a n W	kull iphisternum positive IgM titre to Toxop iewborn with a positive nti-toxoplasma IgG esponse should be treated itth anti-parasitics Ajor organ damage be	lasma j	the point Upp gondii in h Fut	of owner then what ber end of humerus her eighth month. She ure infection be avoided
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X-ray A D A 24 shou A A D D D A 39 brea and	s would be beneficial for you? ower end of Radius and una Upper end of radius and una vear-old primary gravida woman Id be advised by her physician th This child and all future fetuses are likely to be infected Retinochoroiditis can be prevented by drug treatment of an infant with positive IgM response vear-old premenopausal woman st. She had no palpable masses o revealed a small (0.9 cm) grade III	B dev at: B E had	E X elops a N a rr w M n t t a scree e breast	kull iphisternum positive IgM titre to Toxop lewborn with a positive nti-toxoplasma IgG esponse should be treated with anti-parasitics Aajor organ damage be eversed by prompt reatment of the newborn ning mammogram which	C lasma ( C l	gondii in h Fut by n d an abnce lized surgi	of owner then what beer end of humerus ere eighth month. She ure infection be avoided raccination rmality in the right cal biopsy was done
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X-ray A D A 24 shou A A D D D D brea and brea	swould be beneficial for you?     bower end of Radius and     una     Upper end of Radius and ulna     upper end of radius and ulna     upper end of radius and ulna     wear-old primary gravida woman     id be advised by her physician th     fituses area likely to be     infectse:     Retinochoroiditis can be     prevented by drug     treatment of an infant with     positive IgM response     vear-old premenopausal woman     st. She had no palpable masses o     revealed a small (0.9 cm) grade III     st carcinomas?	B dev at: B E had n the	S E X elops a N a rr w N rt t t t t t t t t t	kull iphisternum positive IgM titre to Toxop lewborn with a positive nti-toxoplasma IgG esponse should be treated with anti-parasitics diajor organ damage be exerned by prompt examment of the newborn ning mammographica ductal carcinoma. Which t	C I I I I I I I I I I I I I I I I I I I	the point Upp gondii in h Fut by n d an abno lized surgi uppresso	of owner then what beer end of humerus ere eighth month. She ure infection be avoided accination rmality in the right cal biopsy was done gene is mutated in
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A patient with a chronic cough was unresponsive to antibiotics. On lab exam of sputum fungal hyphae were seen. The doctor prescribed Ketoconazole because it inhibits the synthesis of an essential component of fungal cell membranes. Carbohydrates A Chitin Ergosterol D Polysaccharide Peptidoglycan E A 40 years male patient is admitted in the hospital with fever and increased frequency of micturition. His urine was collected and sent for culture. Based on your knowledge of bacterial growth, what is the generation time of Escherichia coli? 10 minutes 15 minutes 20 minutes D 1 hour E 24 hours A man presented with lesions having an inflamed circular border containing papules and vesicles surrounding a clear area of relatively normal skin; on the back. What is the most probable cause? on B Bacterial skin infections Tinea Capitis D Tinea Versicolor E Viral infection A 24-year -old boy presents to the hospital with blood in his urine. Microscopic examination of his urine reveals the presence of eggs with terminal spines. In the interview, he admits that he has been working on his family's rice field occasionally since his early childhood. The most likely causal agent of his complaint is? A Entamoeba Histolytica B Fasciolopsisbuski C Schistosoma haematobium D Schistosoma japonicum E Schistosoma mansoni A9-year-old girl sustains a small 0.5 cm long laceration to her right index finger while cutting a cucumber with a knife. Which of the following substances, on contact with the injured vascular basement membrane, activates both the coagulation sequence and the kinin system as an initial response to this injury? A Thromboxane Histamine B Hageman factor С E Platelet activating factor D Plasmin A 50-year-old man is having fever of 101 oF and generalized body aches with cough and loss of taste as well. He had no breathing problem and his oxygen saturation is also within normal range. What will be the most desirable management in this case? He should be hospitalized Should be put on oxygen at home D Tested for COVID-19, if Use of oral antibiotics and no I F positive and with no need of isolation complication he should be isolated at home with symptomatic treatment Bacillus anthracis is a principal pathogen of a disease known as "anthrax" which primarily infects animals like goats and cattle and is transmitted to humans through ingestion or inhalation of spores. What are the two important virulence factors of this organism? Capsule & Exotoxins Exotoxins & Enterotoxins Capsule & Enterotoxins B Endotoxins & Capsule E Endotoxin & Exotoxin A culture isolate from a patient with subacute endocarditis is reported to be gram-positive and possess a complex carbohydrate cell wall. What is the most likely taxonomic group of the causal agent? B Parasite A Fungus C Prion D Prokaryote Virus E A man with a throat infection was treated with Clindamycin. After receiving 7 days of treatment of the antibiotic he developed severe diarrhea. What could be the most probable cause? B Clostridium Tetani Clos<mark>tridium difficile</mark> Disturbance in normal flora overgrowth overgrowth D Multiple bacterial overgrowth E Staphylococcus aureus to overgrowth. An obese diabetic woman presents with a complaint of red and painful skin in her abdominal skin folds. Examination reveals a creamy white material in the skin folds. Microscopic examination of the exudate reveals oval budding structures mixed with more budding elongated forms. The most likely causal agent is C Epidermophyton Aspergillus fumigatus B Candida albicans

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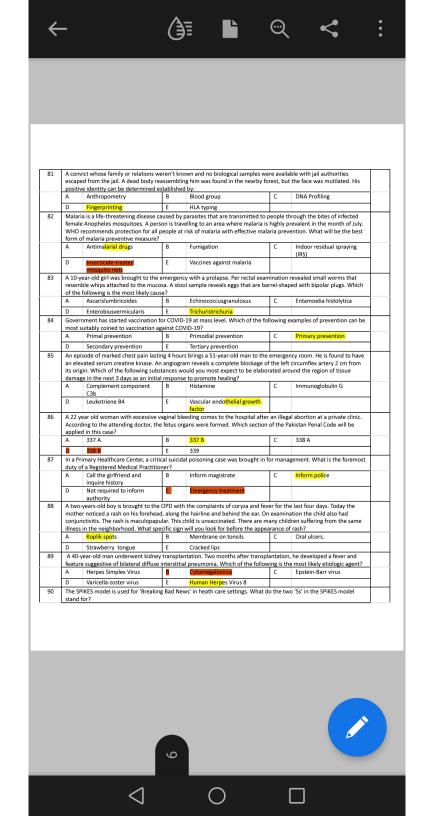
Microsporumcanis Sporothrixschenckii A 43-year-old woman has had a chronic cough with fever and weight loss for the past one month. A chest radiograph reveals multiple nodules from 1 to 4 cm in size, some of which demonstrate cavitation in the upper lobes. A sputum sample reveals the presence of acid fast bacilli. Which of the following cells is the most important in the development of her lung lesions? A Fibroblasts B Mast cells C Macrophages D Neutrophils Platelets E For many of the antigenic changes seen in Neisseria gonorrhoeae and Borrelia recurrentis, the cause of relapsing fever was not transposons. What could be the cause for these antigenic changes? A Phages В Plasmids Programmed C rearrangements D Transduction E Transformation Your patient is a 25-year-old man with a urethral discharge. Gram stain of the pus reveals many neutrophils but no bacteria. Which of the following organisms is the most likely cause? Candida Albican Clostridium perfringens Chlamydia trachomatis В D Haemophilus ducreyi E Treponema pallidum A young man detected positive for HIV by ELISA was sent to a specialist for confirmation of the disease and treatment. The specialist advised PCR for confirmation. What does PCR detect? PCR detects antibodies in В PCR determines body PCR amplifies tiny quantities of the HIV DNA the specimen immunity against AIDS present, than detect it. D PCR measure antibodies E PCR directly measure against the HIV DNA present antigens of the HIV present. A 19-year-old man incurs a stab wound to the chest. The wound is treated in the emergency room. Two months later there is a firm, 3 x 2 cm nodular mass with intact overlying epithelium in the region of the wound. On examination, the scaris firm, but not tender, with no erythema. This mass is excised and microscopically shows fibroblasts with abundant collagen. Which of the following mechanisms has most likely produced this series of events? Development of a В Foreign body response from С Keloid formation fibrosarcoma suturing Staphylococcal wound Poor wound healing from D diabetes mellitus infection

	Culture	в	ELISA	C	PCR
)	Viral nucleic acid testing	E	Western blot		
edu		he now h	as occult blood identified in		ast 4 years. Her joint pain is temporar nich of the following substances is mo
1	Bradykinin	В	Hageman factor	С	Interleukin-1
>	Leukotriene B4	E	Thromboxane		
'ear			search study to find the co-r		een smoking and lung cancer. While ould be kept in mind?
'ear	4 medical students were engage		search study to find the co-r		

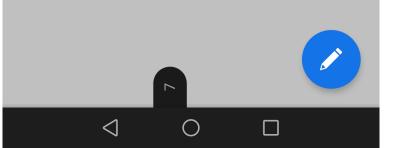


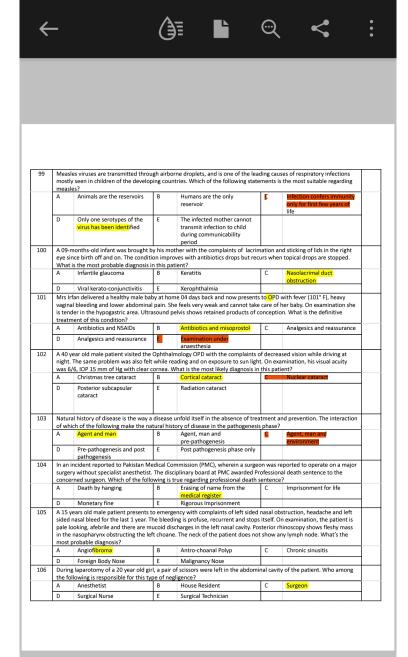
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		-			-	-		-		
A	Accommodative esotropia	В	Amblyopia		С	Hype	rmetropia			
D	Myopia	E	Presbyopia							
	onvict whose family or relations w									
	m the jail. A dead body reassembling him was found in the nearby forest, but the face was mutilated. His positive identity n be determined established by:									
Α	Anthropometry	В	Blood group		C	DNA	Profiling			
D	Finge <mark>rprinting</mark>	E	HLA typing			th rough	the hitse of infected famal	_		
	aria is a life-threatening disease c pheles mosquitoes. A person is tr							e		
	ommends protection for all people	at risk of	malaria with eff	ective malaria p	reventio	on. What	will be the best form of			
A	aria preventive measure? Antimalarial drugs	В	Fumigation		с	Indoc	r residual spraying (IRS)	-		
D	to control de terrora d	E	Martana	a se al a da		_		_		
U	Insecticide-treated mosquito nets	E	Vaccines agains	st maiaria						
	)-year-old girl was brought to the									
	ps attached to the mucosa. A stoo ie most likely cause?	l sample i	reveals eggs that	are barrel-shape	ed with	bipolar p	olugs. Which of the following	ng		
A	Ascarislumbricoides	В	Echinococcusg	ranulosus	С	Entan	noeba histolytica			
D	Enterobiusvermicularis	E	Tric <mark>huristrichuria</mark>							
Gov	ernment has started vaccination f	or COVID	-19 at mass level	. Which of the fo	llowing	example	es of prevention can be mo	st		
A	bly coined to vaccination against COVIE Primal prevention B		Primodial prevention			C Primary prevention				
D	Secondary prevention	E	Tertiary prevention							
	episode of marked chest pain lasti rated serum creatine kinase. An ar									
	ch of the following substances wo									
day A	s as an initial response to promote he				с	- terrer	mmunoglobulin G			
A	Complement component C3b	в	Histamine			immu	inoglobulin G			
D	Leukotriene B4	E	Vascular endot	helial growth						
88	A two-years-old boy is brought	to the Of	factor D with the comp	plaints of coryza	I and fev	er for the	e last four days. Today the	+		
	8 A two-years-old boy is brought to the OPD with the complaints of coryza and fever for the last four days. Today the mother noticed a rash on his forehead, along the hairline and behind the ear. On examination the child also had conjunctivitis. The rash is maculopapular. This child is unvaccinated. There are many children suffering from the same									
	illness in the neighborhood. W	hat specif	ic sign will you lo	ook for before th	e are m e appea	any child arance of	rash?	ie		
	A Koplik spots	E	3 Membra	ane on tonsils		С	Oral ulcers.			
	D Strawberry tongue	E								
89			y transplantation. Two months after trans			ansplantation, he developed a fever and ollowing is the most likely etiologic agent				
	A Herpes Simplex Virus		B Cytomegalovirus			C	Epstein-Barr virus			
	D Varicella-zoster virus		E Human Herpes Virus 8							
79	Year 4 medical students were engaged in a research study to find the co-relation between smoking and lung cancer. While setting objectives for their study, which of the following characteristics of objectives should be kept in mind?									
	A Complex	B	Costly			C	Independent of time			
	D Measurable	E	Over-am	bitious						
	A 04 year-old child was brought		hthalmology by I	nis parents with						
80	towards the nose. On examination/Cycloplegic Refraction, the eye becomes straight with +6D. What is the most									
80	probable diagnosis?									
80		oia B	Amblyop	ia		C	Hypermetropia			



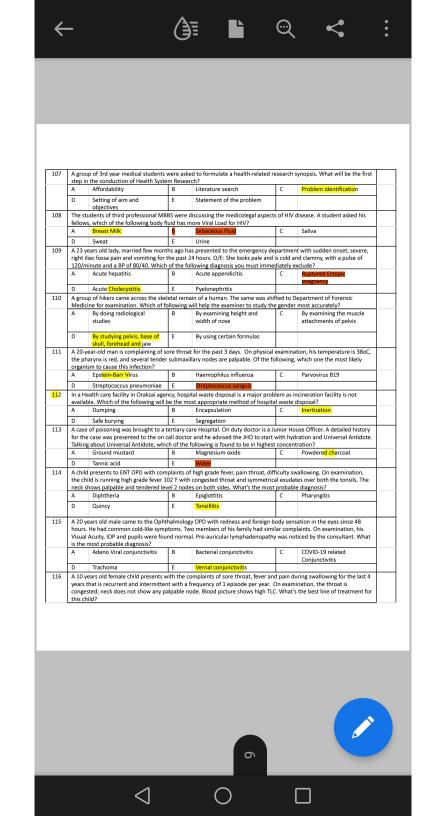


 $\odot$ 'Seeing the patient with 'Setting up the interview' and 'Setting up the interview Empathy' and 'Strategy' 'Strategy and summary' and 'Suspending medical jargon' D 'Sitting the patient down' 'Sitting the patient down' and 'Suspending medical jargon' and 'strategy and summary' 91 A 40-year-old woman presented with diplopia and other signs of cranial nerve weakness. History reveals she grows her own vegetables and likes to preserve them in jars that she prepares at home. She is fond of her preserved string beans, which is what she ate uncooked in a salad for dinner last night. Which one of the following is the most likely cause of this clinical picture? A Bacillus anthracis Clos<mark>tridium botulin</mark>um Clostridium perfringens B L C D Clostridium tetani Listeria monocytogenes E 92 A 40 years old man, generally fit and healthy underwent a right inguinal hernia repair. The surgery was clean and uneventful. What is the expected rate of infection of the surgical wounds? 0% 5-6% Α В 1-2% D >10% >15% A young man presented in hospital with chronic ill health. Doctors suspected AIDS. The presumptive diagnosis of HIV infection is often made by the detection of antibodies in the patient's serum to the protein of HIV using 93 the enzyme-linked immunosorbent assay (ELISA) test. The protein is A gp122 В gp162 gp42 D p24 E p30 A man in late thirties presented to the Dermatology OPD of a tertiary care hospital with complaint of crusted ulcers on 94 his hands and forehead since 3 months. After laboratory confirmation he was diagnosed with Cutaneous Leishmaniasis. Which of the following statements about Cutaneous Leishmaniasis is the most appropriate? Α Biologically transmitted Mechanically transmitted Transmitted by direct B C vector borne disease vector borne disease Contact D Transmitted by in direct Vehicle borne infectious contact disease 95 A case of suicidal poisoning was brought to the emergency department of a tertiary care hospital. The on duty doctor decided to do Gastric Lavage. In which of the following poisoning Gastric Lavage is indicated? A Carbolic Acid В Convulsant Poisoning D Oxalic Acid E Sulphuric Acid 96 A mother takes her 6 year old son to her general practitioner (GP) extremely anxious because the child has that morning stabbed himself with a needle he found in a park frequently used by drug users. Apart from a minor scratch to the right hand the child is otherwise well and has no past medical history of note. What will be the most appropriate action for the GP at this consultation? CD 4 count will be effected First test to be performed is Perform complete blood B initially western blot test count and ESR D Reassure the mother and E Test the child for Hepatitis C, suggest an accelerated HIV. Hepatitis B surface course of Hepatitis B antigen vaccine 97 A 44 year old man was found dead at his residence with two gunshot wounds on his chest. Which inquest system will be used to investigate this case? A Coroner's Inquest Magistrate's Inquest Police Inquest D Procurator Fiscal 98 A boy has been referred to the department for age determination. After dental examination, it was found that his 2nd permanent molar has erupted. What is the probable age? A 6 years 8 years 10 years С D 12 years 14 years E

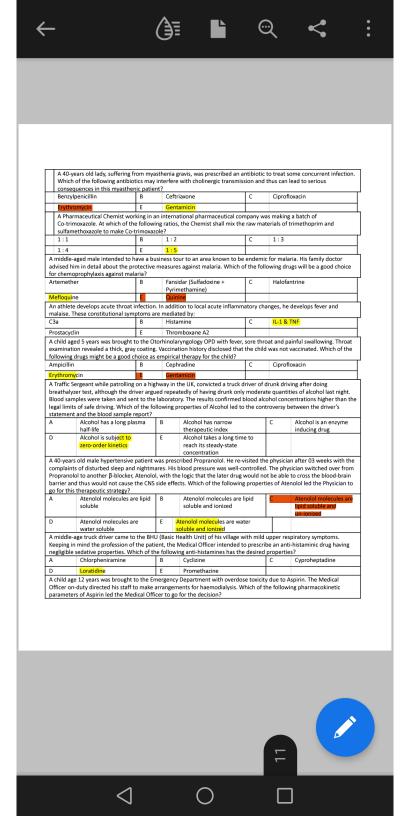








 $\odot$ < Antacids Penicillin & NSAIDs Pharngectomy Reassurance Tonsillectomy 117 A young doctor conducted an autopsy a year ago. The honorable court summoned him for evidence recording. Which of the following in court proceedings is called as double edged sword? Arguments by the counsel Cross examination Police investigation В of the deceased D Re-examination Statement of medicolegal officer 118 While teaching the topic of PUO, a physician explained the most common causes of this condition to year 3 MBBS students. Which of the following conditions is considered to be the most common cause of PUO in a developing country (once called a third world country)? Brucellosis Herpes simplex Virus C Malaria infection D Syphilis E Tuberculosis 119 A 20 year-old female came to the OPD with the complaints of redness in the right eye, grittiness and watery discharge On examination Regurgitation test was negative, cornea clear, conjunctival redness observed only in the temporal side. Which of the following treatments will be more appropriate in this patient? A Antiviral drugs В Broad spectrum antibiotics С Oral antibiotics D Strong steroid only pical artificial tears along roid 120 An adult patient presents with complaints of nasal obstruction and headache for the last 1 year. On examination the nasal mucosa is congested with thick mucopurulent discharges in both the nasal cavities and post nasal dripping. Nasal septum is deviated and both the turbinates are enlarged. Patient has history of nasal trauma. What's the most probable diagnosis? Allergic Rhinitis Chronic Rhinosinusitis Fungal Rhinosinusitis В С D Nasal Polyposis E Vasomotor Rhinitis A cancer patient with chemotherapy has to have her intravenous port revised after it becomes blocked and the catheter is found to contain bacterial contaminants. Which of the following is most likely to be a factor in this pathogenesis? A Biofilm production Ergosterol containing Peptidoglycan laver membrane D Possession of IgA protease E Possession of Pilli Resistance to antibiotics in bacteria especially in animals is mainly due to the injudicious use of antibiotics. This is mainly due to genetic information transfer between viable bacteria. The genetic transfer between viable bacteria occurs by A Conjugation в Cell fusion Recombination Transduction D Transformation E An adult female patient was admitted in the CCU (Coronary Care Unit) with CCF (Congestive Cardiac Failure). The Doctor-on-duty while intending to give her a loading dose of Digoxin, wrote in the chart-order "Digitalize rapidly". Which of the following pharmacokinetic parameters of Digoxin most probably led the Doctor to go for rapid digitalization (by giving loading dose of Digoxin)? Plasma Half-life Protective index Plasma Clearance В Therapeutic index Е Therapeutic window A pharmacologist was performing experiments on large number of guinea pigs in his laboratory using drug X. His experiments had multiple goals but he was principally interested in finding the dose of drug X causing specific toxic effect in relation to its effective dose. Which of the following parameters might describe the best his major focus of interest? Median Effective dose Protective index B Me Therapeutic index E Therapeutic window



Plasma half-life Steady-state concentration D Volume of distribution Therapeutic index E A Physician, while prescribing long-term Chloroquine for a 60-years old patient suffering from Rheumatoid arthritis, advised him to have regular eye check-ups every 03 months. Which of the following factors on the part of the patient or the drug might have made the Physician worry about the patient's vision? Selective distribution of Α Old age of the patient Chloroquine to some specific tissues erent tissues to some indi Very large Volume of distribution of Chloroquine (13000 Liters) E Very long plasma half-life of Chloroquine (214 hours) D A female patient age 50 years was admitted to the Nephrology unit of a tertiary care hospital with chronic renal failure. She was on multiple dugs. The Professor incharge of the unit was worried about the plasma protein binding of these drugs. He discussed the case during the morning round with the TMOs (Trainee Medical Officers). Which of the following statements regarding plasma protein binding of drugs is NOT correct? 
 Acidic drugs are attached loosely to the plasma
 B
 Drugs circulate partly free in the plasma and partly bound
 C
 Hypoalbuminaemia that occurs in chronic renal disease may
 А albumin to the plasma proteins adversely affect the plasma protein binding of drugs D n every mole cule of plasma L C On every molecule of plasma albumin, there are only two sites for the attachment of acidic drugs albumin, there are many site hment of basic

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