cover		2
IMED	2013 Fourth Year	4
IMED	2014 Fifth Year	22
IMED	Dec 2014 Fifth Year	42
IMED	2013 Fifth Year	63



THE MEDIC COLLECTIONS: INTERNAL MEDICINE

Demonstration edition



PREAMBLE

THE MEDIC COLLECTIONS is a project by the students of medical school for the students of medical school. The hope is that revision can be made more efficient across all medical school by making it more orderly and cordinated. To help in any way, you can get in touch with any the contacts listed below.

- 1. PROJECT CO-ORDINATOR
 - Martin Milimu
 - 0706133154
 - martinmilimu@gmail.com
- 2. PSYCHIATRY CO-ORDINATOR
 - Morrison Ng'ang'a
 - 0707047907
 - Morrissonnganga@gmail.com
- 3. SURGERY CO-ORDINATOR
 - Sharlin Lang'at
 - 0711610651
 - Sharlin.Langat@yahoo.com
- 4. INTERNAL MEDICINE CO-ORDINATOR
 - Fatma Aboud
 - 0788602857
 - <u>aboudphatma@gmail.com</u>
- 5. PATHOLOGY AND CLINICALCHEMISTRY CO-ORDINATOR
 - Alex Githinji
 - 0722985185
 - alewagi@gmail.com
- 6. HEMATOLOGY AND IMMUNOLOGY CO-ORDINATOR
 - Colette Inviolata
 - 0704378613
 - missynviolata@gmail.com

FOURTH YEAR 2013 MCQ

All of the following statements regarding Plasmodium EXCEPT:-A 25 year old man with history of tHV disease presents with a history of chronic headache. Neurological examination is hornal. CT scan reveals a contrast culturing ring lesion on the left parietal lobe. The MOST appropriate A patient presents with oral lesions for I month. He has flaceid vesicles and bullae on the trunk and limbs. Nikolsky sign is positive. The MOST likely A. Biopsy the less screening test?

A. Sensitivity Which one of the following is the MOST important attribute necessary for a old man with meningitis These findings are compatible with: The following are the results of cerebrospinal fluid (CSF) obtained from a 40 year · Protein 100g/1 Gram stain negative Receiver-operator curve (ROC) Positive predictive value (PPV) Negative predictive value(NPV) Cryptococcal meningitis Glucose Immol/I Bullous pemphigoid Pemphigus foliaceous Mucous membrane pemphigoid It is the only malanal parasite causing greater than 20% parasitemia infection is associated with thrombocytopenia Tuberculous meningilis White cell count 2000 cells/µl, predominantly lymphocytes Start patient on intravenous acyclovic Start patient on empirical anti-toxoplasmosis treatment Start patient on empirical antibiotics Start patient on steroids Pemphigus vulgaris Erythema multiforme major It is the only cause of cerebral malaria. It is associated with recurrent relapses after effective initial treatment it causes more severe disease in pregnancy Specificity Pyogenic meningitis Biopsy the lesion Sarcoidosis Viral meningitis A 20 year-old man presents with 3 months history of bloody mucoid diarrhea. Colonoscopy shows diffuse crythema and ulcerations in the entire colon and patchy electation in the terminal ileum. The MOST likely diagnosis is:

A. Ulcerative colitis after a sore throat. He has a tachycurdia of 110 heats/min, and a systolic murmur at the apex. Which of the following statements is TRUE concerning his clinical A 22 year old man presents to the emergency department with a 3 day instory of fewer, cough and pleurific chest pain. His temperature is 39°C, pulse rate is 100 beautymin and respiratory rate is 26 heats/min. Chest radiograph reveals an opacity in the right lower lung zone. Which of the following is the MOST A 12 year old boy develops migratory joint pain involving large joints 2 weeks 14.4 mmol/l. Which of the following statements is TRUE regarding this patient? done showed fasting blood glucose of 6.2 mmol/L, 2 hour post glucose load of a random blood sngar (RBS) of 7mmol/L. An oral glucose tolerance test (OCTT) A 60 year old man presents to his doctor for a medical check. He is found to have In a patient with anarysics, 24-hour albumin exerction of 8g and following complications are EXCEPT:-Mod cultures usually yield the offending organism.
The heart involvement is usually parcarditis frytherna nodosum is expected search.
Shortened PK interval is found on the electrocardiogram (ECG) Shigellosis

fuberculous enteritis The micro-organism causing the sure throat is likely to be Staphylococcus Crohn's disease Staphylococcus aureus He has metabolic syndrome

He should have fasting lipid assay to determine the diagnosis

Another OGTT should be done in 6 months to determine his diagnostic Amoebic colitis Мусоріахни рненнопіне Psendomonas aeruginosa He has impaired glucose tolerance He has diabetes mellitus Hypercoagulability Susceptibility to infections Atherosclerosis Metastatic calcification Page 3 of 20

(大学) All of the following auscultatory findings are expected in mitral stenosis acutely bleeding ocsophageal varices. All of the following treatments would be A patient presents with massive haematemesis for 1 day. Endoscopy reveals reflexes. All of the following statements are true regarding the condition EXCEPT:

A. Autosonal dominant inheritance

A. Cause of death is usually respiratory

C. Is associated with pystapmus the ribeage. The eruption is preceded by days of tingling and burning sensation. Which one of the statements is TRUE regarding the condition? A 58 year old man with HIV develops a vesicular cruption along the left side of A 25 year old woman presents with erosion, weeping and crusted lesions on 30% looly surface area. The plan of management should include all of the following hand associated with describin and dysplagia. Examination reveals spastic immubile tongue, wasted muscles of the hands with increased deep tendon A 50 year old man presents with history of wasting of the small muscles of the EXCEPT: Soft first heart sound Loud second heart sound Opening snap Mid-diastolic murmur Sclcrotherapy Presystolic murmur accentuation Band ligation Octreolide infusion Emollicuts Keep warm Septic screen Nasogastric tube insertion Propranolol infusion ended EXCEPT: Amitryptilline has no role in the management of this condition in all the patients Previous Herpes simplex virus infection is associated with this Corticosteroids should be started immediately Saline soaks Disappearance of the rash is associated with disappearance of symptoms presentation ~ Early acyclovir reduces the duration of symptoms Infection control Responds to steroids 19. All of the following interventions are beneficial in the management of patients A 28 year old woman is followed up for thyrotoxicosis. She is on antithyroid medication. Which one of the following clinical parameters will closely reflect with chronic obstructive airway disease (COPD) EXCEPTS pelvic bones. Common causes of renal failure in this condition include all the following EXCEPT: A 56 year old man presents with severe low back pain, huntur spine tenderness and general illhealth. He has pallor and mild ankle oedema. Investigations show 130g/l. Xrays show compression fracture L3 to L5 and osteolytic lesions in the her thyroid hormone suitus? huemoglobin 6g/dl, MCV 801, ESR 110nmffr serum albumin 30g/l, total protein moderate splenomegaly. The MOST likely diagnosis is:-A 13 year old boy presents with long-standing mild jaundice, moderate pallor and All of the following are diagnostic criteria for polymy High tension oxygen therapy inhaled anticholinergies Short acting bronchodilators Censation of smoking Produnococcal vaccination Weight Sleep patterns Mensimal patterns Palpitations Hyperparathyroidism Smotional variability (moods) 6 Hyperuricemia Hypercalcemia Neurogenic bladder Proteinuria Myelolibrosis Chronic mycloid lcukemia fl-thalassacmia Heliotrope rash Non-Hodgkin's lymphoma Sickle cell anaemia Myopathic electromyogram (EMG) Typical changes on muscle biopsy Proximal muscle weakness Elevated creatine kinase

22.

23.

Sphincteric involvement is a late complication

All of the following findings are compatible with a diagnosis of Pneumocyalis provecti protuntonia EXCEPT:-Low CD, count Elevated white blood cell count

complexes with absent P-waves. The diagnosis is:-A 65 year old man complains of palpitations. ECG shows irregular QKS

Marked hypoxia on arterial blood gas analysis Butterfly appearance on chest radiograph

Elevated lactate debydrogenase(LDH) in blood

Atrial ectopics Atrial flutter

Heart block Atrial fibrillation

Ventricular fibrillation.

hepatitis B virus (HBV) DNA at 160 million 10/ml. All of the following A 25 year old man is diagnosed with chronic hepatitis B infection. He has high investigations would be required before initiation of treatment EXCEPT:-

Hepatitis B e antigen (HBeAg) test Liver function tests (LFT)

Hepatitis B core antigen (HBcAg) lest Hepatitis C virus screen

Thyroid function tests (TPTs)

A 30 year old man presents with scaly papeles and pluques. The differential diagnoses include all the following EXCEPT:

Lichen planus

Pityriasis rosea Psoriasis vulgaris Discoid dermatitis

A [IIV positive woman has generalized cervical lympadenopathy, Fine needle aspiration (FNA) cytology confirms (thereulous adentis. Her CD₄ count is 60 aspiration. She is started on antituberclous treatment and HAART simultaneously. 4 weeks later she develops fever and increasing enlargement of the lymph nodes. Which one of the following would be the CORRECT approach to her Morphoca

() < \(\dagger\) Stop the anti-retroviral therapy Start on prednisone immediately Give an antipyretic and continue therapy Add a broad spectrum antibiotic Stop the anti-tuberculous therapy

> 26. You notice in the locker main one of your colleagues injene. What would be your MOST appropriate actions report to the supervisor

Report him to the director of the hospital Ask your senior colleague to talk to him

A 28 year old man presents with painful micturition and a parulest wethin discharge for 2 days. Which one of the following is NOT an appropriate drug for

Ciprofloxacin Cestriaxone

Amoxycillin

Azithromycin

28. one of the following is NOT a feature of fibromyalgia? Doxycycline

Irritable bowel syndrome (IBS)

Sleep disturban Scleritis

29. likely positive laboratory finding? reveals pallor and koilonychia. Which one of the following is the MOST A 30 year old man presents with general body weakness. Physical examination

exence of Ascards lumbricoides ova in his stool

resence of Taenia saginata ova in his stool

Mean corpuscular volume (MCV) of 59f1 acreased faecal stercobilinogen

Reduced total iron binding capacity (THIC)

Which one of the following renal disease is well matched to renal imaging

Chronic glomerulonephritis -- bilateral contracted echogenic kidneys

Obstructive uropathy - echogenic kidneys

Chronic pyelonephritis - enlarged globular kidney

Acute tubular necrosis - dilated calyces.

The metabolic syndrome is defined by the presence of all the following characteristics EXCEPT:-Abdominal obesity

Hypertension

High high-density lipoprotein(FIDL) - cholesterol

Hypertriglyceridemia

Impaired glucose tolerance

Page 8 of 20

Which one of the following disease process is well matched with the

42.

Syphilis - obstructive uropathy

Plasmodium malariae infection - nephrotic syndrome

Schistosoma haematohium infection - Fanconi syndrome Systemic lupus crythematosus - acute tubular necrosis

Rheumatoid arthritis - acute glomerulonephritis

A 46 year old man with diabetes presents with right foot ulceration without pulses are good. Staphylococcus aureus and Klehsiella sp. have been isolated gangrene. It is septic with malodorous smell. IIbA1e is 8.5%, dorsalis pedis from the wound swab. The following actions are appropriate EXCEPT:-

Daily hydrogen peroxide soaks Intravenous antibiotics

Daily saline soaks

Platelet - derived growth factor dressing

Insulin thorapy

A 65 year old man with 25 pack years of smoking presents with exugh, weight loss and breathlessness. A chest radiograph shows a right apical homogeneous round opacity. All of the following findings are known to be associated with this presentation EXCEPT:-

Hyperpigmentation of the palms Radicular pain to the right hand

Hypocalcemia

Hoarseness of the voice

Hacmoplysis

A patient presenting with non- ST elevation acute coronary syndrome will benefit from all of the following therapeutic interventions EXCEPT:

Thrombolysis

Combined clopidrogel and aspirin therapy

Enoxaparin therapy Beta-blocker therapy Nitrates

A 70 year old man presents with generalized prurities and weight loss. Clinical examination reveals green jaundice and a palpable non-tender gall bladder, examination for the conditions listed below is the MOST likely diagnosis?

Acute cholecystitis

Cholclithiasis

Hepatocellular carcinoma

Cholangiocarcinoma

Pancicatic malignancy

A 60 year old hypertensive and diabetic man who has previously been well is found in the morning with wenkness of the right side. He is rushed to the hospital where he arrives in I hour. Computerized tomography (CT) scan of the head reveals an infarct. Which of the following would be the MOST effective

Aspirin

Clopidogrel

Intravenous tissue plasminogen activator (TPA) Atorvastatin

Dipyridamole

Which of the following deliciency is found in patients with terminal ileum

Folic acid Tryptophan Cobalamin

39. A 41 year old man admitted for management of heart failure develops a cough, chest pain and fever after 1 week in the hospital. Which one of the following antibiotics is the BEST empiric choice?

Amoxicillin - clavulanic acid

Clarithromycin

Celtazidime

Celuroxime

40 A 43 year old man presents with 8 week history of symmetries loop path and awalling involving the metacarpal-phalangeal (MCP) metatarsal – phalangeal (MTP) and proximal interphalangeal (PIP) joints. Symptoms are worse in the morning and fast for I hour. Which one of the following statements is TRUE of

Non-steroidal anti-inflammatory drugs (NSAIDS) are the first line of

Extra-articular manifestations is not a feature

Radiological investigation is required for the diagnosis

Disease modifying therapy should be instituted immediately

Biologic agents have no role in its management

In a 60 year old man with multiple myeloma and a fracture of the right femur, which one of the following is the MOST appropriate approach to management?

Start melphalan then refer for bone marrow transplantation Start melphalan and radiotherapy

Start analgesics, internally fix the fracture then administer radiotherapy

Administer radiotherapy then internally fix the fracture

Start neoadjuvant thalidomide then internally fix the fracture

Which one of the following is TRUE regarding chronic mycloid leukenia It is almost exclusively a disease of children Spontaneous fractures tend to occur Autosplenectomy occurs Lymphadenopathy is common in the stable state Leucocyte alkaline phosphatase (LAP) score is reduced

52.

53. hyponatraemia?
A Congestiv
B. Acute tub
C. Gastroent
D. Hypothyr
P. Hypercho Which one of the following conditions is associated with dilutional

Acute tubular necrosis Congestive heart failure

Gastroenteritis

Hypothyroidism

Hypercholesterolacmia

54. cxpected in this patient include all of the following EXCEPT:

A. Systemic hypertension

B. Bone pains
C. Normal Biddo
D. Agitated behaviour
E. Raised intra-ocular pressures A 36 year old man with longstanding branchial asthma has been on prednisolone 30mg/day for several years. Now he has cushingoid features. The other findings

All of the following are danger signs in status asthmaticus EXCEPT: Pulse rate of 115 beats/min

ED08> Inability to perform peak flow measurements Respiratory rate of 36 breaths/min

Inability to complete sentences

Blood pressure of 90/60 mm 11g

All of the following pharmacotherapies have been shown to prolong survival in patients with non-valvular heart failure EXCEPT:-

Spironolactone

Angiotensin converting enzyme inhibitors (ACEI)
Angiotensin receptor blockers (ARB)

Loop diuretics

A 35 year old man presents with heartburn and a feeling of regurgitation after

meals. He frequently clears his throat while talking. Upper gastrointestinal tract (GHT) endoscopy is reported as normal. This condition is associated with all of the following features EXCEPT:

the following features EXCEPT:

Poor quality of hife
Poor quality of hife
Parents oesophagus
Barrett's oesophagus
C. Barrett's oesophagus
Recurrent branchospasm
D. Recurrent branchospasm Page 12 of 20

> poplical fusure since 2 year of age. The lesions are lichenflied, excoriated and enusted patches. The MOST likely diagnosis is:-A 20 year old patient presents with pruritie lesions on the neck, intecubital and

Atopic dermatitis

Seborrhoeic dermatitis

Allergic contact dermatitis

Dyshidrotic dermatitis Nummular dermatitis

In a HIV positive patient with cryptococcal meningitis and CD4 count of 40 cells/ul, which one of the following approaches would be the MOST

HAART initiation at 2 weeks Amphotericin B plus fluconazole for 2 weeks, serial lumbar punctures and

HAART and amphotericin B plus fluconazole initiation

HAART for 2 weeks followed by amphotericin B plus fluconazole, serial

then fluconazole. HAART initiation after 5 weeks Amphoterian B plus fluconazole for 2 weeks, serial lumbur punctures; lumbar punctures.

B plus fluconazole after 5 weeks. HAART for 5 weeks; serial lumbar punctures. Initiation of amphotericin

year old alcoholic goes to bed and wakes up in the morning with a wrist The MOST likely nerve injury is?

adial nerve

Jinar nerve

Musculoculaneous nerve

Axillary nerve Median nerve

50. A 28 year old man presents with pain and swelling of his left leg 3 days after a prick. Which one of the following antibiotics is the BEST empiric choice?

Ciprofloxacin

Clarithromycin

Metronidazole

Amoxicillin - clavulanic acid

Nitrofurantoin

All of the following statements are true regarding gout EXCEPT:-

The 1st metatarsal -phalangeal joint is commonly involved

Renal failure is a known complication

It can present with extra-articular manifestations

It is common in pre-menopausal women

Steroid therapy is indicated in the following oncological emergencies EXCEPT, Superior vena cava obstruction Raised intracranial pressure Severe neutropenic sepsis

been hypertensive for 5 years. Laboratory tests show:-A 35 year old man presents with nausea, vomiting and general malaise. He has

Spinal cord compression

Urinalysis – protein 3+, RBCs 2+, granular easts
Haemoglobin 9.3g/dl, MCV 80fl WBC 6×10°/L, platelets 119×10°/L
Serum K* 5.4 mmol/L, Na* - 128 mmo/L urea 28mmol/L creatinine

Renal ultrasound - bilateral contracted kidneys Right = 6.2 x 3.8 cm, Left =

Which of the following statements is TRUE?

This is acute kidney injury secondary to volume depletion This is acute glomerulonephritis

Renal biopsy should be performed

Patient has hypertensive glomerulosclerosis Patient requires longterm dialysis

medications EXCEPT: All of the following are rational combinations of oral glitcose lowering

Metformin/Repaglinided maglipun Metformin/Arcabose/Cilimepiride

Mctformin/Insulin

Chlerpropamide/Insuin

Metformin/Linagliptin Insulin

with a productive cough and shortness of breath especially on cold days and associated chest tightness and wheezing. The MOST likely diagnosis is:-A 60 year old male has a 20 prok-year history of digarette smoking. He presents

Chronic obstructive pulmonary disease (COPD)

least failure

Anxiety attack

An elderly female who is being nursed in hospital for dense hemiplegia from a ccrebrovascular accident is suddenly diaphoretic and dyspnoete. On examination, she is cold, sweaty and tachypnoete. Her radial pulse is weak and feeble. The electrocardiogram (ECC) is significant only for sinus tachycardia. All of the following investigations are useful in establishing the diagnostis.

lardiac troponin assay

D-dimer assay

Computerized temography (CT)-pulmonary angiography

Blood sugar analysis

Chest radiograph

Page 14 of 20

A 15 year old bey presents with institious onset of pruritic cruption on the interdigital elefts, flexor aspects on the wrists and gluteal eleft. The lessons comprise of papules, vesteles, pustules and burrows. The MOS likely

Larval migrans

Papular urticaria

Urticaria pigmentosa

Dermatitis herpetiformis

that 2 months back, he had similar headaches, was admitted and given 2 w eks of amphotencin B for confirmed "lungal meningitis". He did not go for fol xw-up affer discharge. What is the MOST useful test to confirm the diagnosis nov?

A. Cerebrospinal (CSF) cryptococcal antigen (CRAG) test A 34 year old HIV positive man presents with a 3 week history of severe and photophobia. His CD, count is 36 cells /µl. He further eports

Serum CRAG test

India ink in CSF

CSF protein level CSF fungal culture

60. the following statements are true regarding her illness EXCEPT:-

It responds to steroid

It is associated with elevated muscle enzymes

It is associated with malignancies It is associated with acetylcholine receptor antibodies

Dysphagia occurs

A 60 year old man presents with a 1 day history of headache, fever and 1 eck stiffness. Which one of the following organisms is NOT likely to cause this

Streptococcus pneumoniae

Group A \beta-hemolytic Streptococcus Haemophilus influenzae

Listeria monocytogenes Neisseria meningitidis

All of the following indicators are useful in evaluating the success of treatment of theumatoid arthritis EXCEPT:-Tender joint count

Swollen joint count

62.

Markers of inflammation

Number of deformed joints

Functional status of the patient

middle aged man is reviewed in the outpatient clinic with complaints of adominal swelling for several weeks. Physical examination reveals schenomegals extending 10 cm below the costal margin. All of the following are Diabetic cardiomyopathy

Chronic kidney disease str Which one of the following statements is TRUE concerning urinary tract Kely causes EXCEPT:-V hich one of the following is NOT a recognized risk factor for the development o deep venous thrombosis? All of the following are established risk factors for diabetic foot ulcer disease it CCEPT:-Which of the following is NOT a cause of constipation? t of the following are risk factors for haemorrhagic stroke EXCEPT: Chronic myeloid leukemia Hyper-reactive mularial splenomegaly (HMS) Miliary tuberculosis Visceral leishmaniasis Myelofibrosis Haematogenous route of infection is the commonest origin Treatment of Candida infections predisposes one to bacterial infections Chronic kidney disease stage 3 and higher In men, infections are usually associated with sexual intercourse Profeus spp. infection is associated with calculi Staphylococcus aureus is the commonest organism among sicklers Claw-toe deformity Macular eye disease Peripheral neuropathy Hormonal contraceptive therapy Aluminium containing untacids Cerebrovascular accidents Hypertension Anti-phospholipid syndrome Atorvastatin Hypothyroidism l-(ypocalcemia Heart lailure Protein C deficiency Aneurysm Warfarin use Amyloid angiopath) Cigarette smoking Cocaine use

> 68. All of the following statements regarding irritable bowel syndrome (IBS) are tr Diarrhoea often occurs at night Presents with increased loose watery stools

The stool never contains blood

Constipution is sometimes the predominant symptom/

Abdominal pain is often relieved by defecation

69 AIDS-defining mucocutaneous disorders include all of the following EXCEPT: Cutaneous cryptococcosis Oesophageal candidiasis Kaposi's sarcoma

A 26 year old woman presents with a 2 week history of change in speech and a tongue that deviates to the right side on protrusion. Which cranial nerve is

Pyoderma gangrenosum

Right glossopharyngeal Leit glossopharyngeal Right hypoglossal Leit hypoglossal

Left vagus

was on treatment for tuberculosis which she stopped 3 weeks prior after having taken it for 25 days. Which one of the following is NOT appropriate in the A 26 year old woman presents with history of chronic cough. She reports that she

Restart anti-tuberculous treatment with rifampicin, isomiazid,

pyrizin unide and ethambuto] Restart anti-tuberculous treatment with rifampicin, isoniazid,

pyrazinamide, ethinbutof and streptomyein Send sputum for acid fast bacilli staining Send sputum for genexpert MTB/RIF

Apply directly observed therapy

A 13 year old boy presents with a 2 day history of fever, right knee pain and swelling. There were no precipitants to this illness. Which one of the following nts is TRUE regarding this condition?

intra-articular steroids are useful in the management

Analgesis, oral antibiotics and bedrest is the gold standard in the

intra-articular antibiotics are useful Antibiotics should be withheld until results of the gram stain are obtained

Needle aspiration and drainage of the joint is warranted

87.1 (1) Moddfiable risk factors for osteoarthritis include all of the following EXCEPT:-N.c. A.Be. Which of the following conditions is NOT a recognized cause of cardiogenic 00 Which of the following drugs is LEAST useful in myoclonic epilepsy?

(A) Ethosuximide A all tence Parade

(B) Carbamazepine where the 2-3 A 45 year old man with liver cirrhosis and bleeding tendencies and an otherwise NIOST appropriate therapy? Which one of the following statements is TRUE regarding diabetic high one of the following is NOT a risk factor for hepatocellular carcinomat Ventricular fibrillation Pulmonary embolism Third degree hear block First degree heart block Postural hypotension blood count comes to you for management. Which of the following is the Vitamin K Whole blood transfusion Platelet infusion Transfesion of packed cells ranexamic acid Lamotrigine Clonazepan Sodium valproate Carbamazepine - 144-862 Prior inflammatory joint disease Obesity Female gender Hepatitis B virus EJ Charace Heavy alcohol consumption 'y Microalbuminuria precedes the glomenular structural changes Stage 4 patients need to be started on dialysis. Stage 2 is characterized by microalburninuria hyperfiltration is only evident in late stages—)eo. (The microalburninuria stage is potentially reversible Exposure to aflatoxins Hepatitis A virus - on bound round (7) * 79. with 83. A 28 year old woman presents with gottre. Thyroid profile showed TSH = 0.000m lw/L, FT4 = 30ng/L, FT3 = 12 pmoL/L. Ultrasound showed a thyroid nodule in the right lobe, the rest had normal echodensity. Which of the following treatments is LEAST appropriate for her? A 30 year old man has just been diagnosed with HIV. He presents to the clinic with complaints of unintentional weight loss despite a good appetite. His initial weight was 74Kg. He has lost 8 Kg over the past 3 months. Physical exam A strict vegetarian presents with general malaise, exertional dyspanoea and pallor. Peripheral blood film shows segmented neutrophils and the mean corpuscular volume_OVCV) is 110ft. Which one of the following statements is TRUE?

A. Cum hypertrophy occurs reveals generalized lymphadenopathy. What is his current WHO stage? A 45 year old woman with a diagnosts of rheumatoid arthritis has been on mediatrexate and prednisone for 2 years. Which one of the following A tourist suffered a boat of watery disarchases which became pracoid and blood stuned. He had fever and developed severe joint pains a few weeks later. Rheumaoid Lucor was negative. All of the following statements are true recording the risease WKY pro-Propylthiouracil Lugol's iodine Methylprednisolone Stage 1
Stage 2
Stage 3 Hypertension 7 Condition is invariably fatal Bone marrow Prussian blue stain is negative Paraesthesias are common \(\cdot \) Diabetis mellitus T Serum ferritin levels are low - Noted and Guin hypertrophy occurs Cataract formation 7 it is associated with IILA B27 genotype ations is NOT likely to be due to her chronic steroid use 10 × 111 = 014 ylor - 3 stage

A 22 year old man prescuts with a 6-month history of left upper quadrant discomfort and early satisfy. 2 days prior to presentation, he developed priapism. Abdominal exam revealed spiconomegaly 12 cm below left costal margin. White blood cell count (WBC) is 279x10°/H, hacmoglobin is 9.4g/dL and placetees 702 x ma Om > onset of the seizure, she had reported a funny smell. Examination reveals a temperature of 38°C confusional state with no evidence of meningeal tritation. Which of the following would be the MOST effective treatment in this is followed by a severe episode of generalized tonic-clonic scizure. Before the one of the following stalements is TRUE regarding ascites in liver fortal hypertension is a rare cause. Malignant ascites responds well to diurctic therapy Thiazides are the diuretics of choice Centheral blood film Erythropoietin level Lone marrow evaluation Hae moglobin electrophoresis Abdominal ultrasound scan Pericardial effusion Obesity What is the MOST appropriate next investigation to confirm the Chronic obstructive pulmonary disease (COPD) Ceftriaxone with vanconiycin High dose steroids tages on a 12-lead ECG occur in all the following conditions EXCEPT: Anti-subcreulous treatment rivolovis outen presents with a history of sudden onset of confusion. This

Digoxin therapy Termination of pregnancy

Angiotensin converting enzyme inhibitor (ACEI) therapy Beta blocker therapy

Page 20 of 20

infectious aetiology is uncommon. Aldosterone antagonists are the preferred diuretics

A 20 year old woman at 20 weeks gestation presents to the emergency department with dysproces class III. On examination, she has a regular pulse rate of 90 bears/min, a non-displaced apex with apical mid-diastolic rumbling murnur with loud first heart sound. Which of the following is the MOST appropriate regency therapeutic intervention? iurosemide therapy

EXCEPT: All of the following are features of minimal change glomerulonerbritis Conticosteroid responsiveness Hypertension -Protein C deficiency Disseminated intravascular coagulopathy (DIC)

of systemic arterial hypertension EXCEPT.

A. Moderation of alcohol ingestion All of the following are evidence - based therapeutic lifestyle changes in the Regular aerobic exercise Stress management Lower dietery potassium intake Reduced dietary salt ingestion

A 30 year old pregnant woman is found to be hepatitis B surface a nitgen infant. Which of the following factors is MOST useful in determining the 1 sk of Hepatitis B.e. antigen (HBeAg) status Hepatitis B.core immunoglobulin G (HBeIgG) status Alanine uninotransferase (ALT) 23Iu/L

Aspartate aminotransferase (AST)/ALT ratio >2

lower limbs. Examination is notable for reduced vibration sense and reduced ank-A 38 year old woman presents with a 1 mouth history of bilateral numbness of the Serum creatmine All of the following tests are useful in this patient EXCEPT:

Glycosylated haemoglobin Haemoglobin level Thyroid stimulating hormone

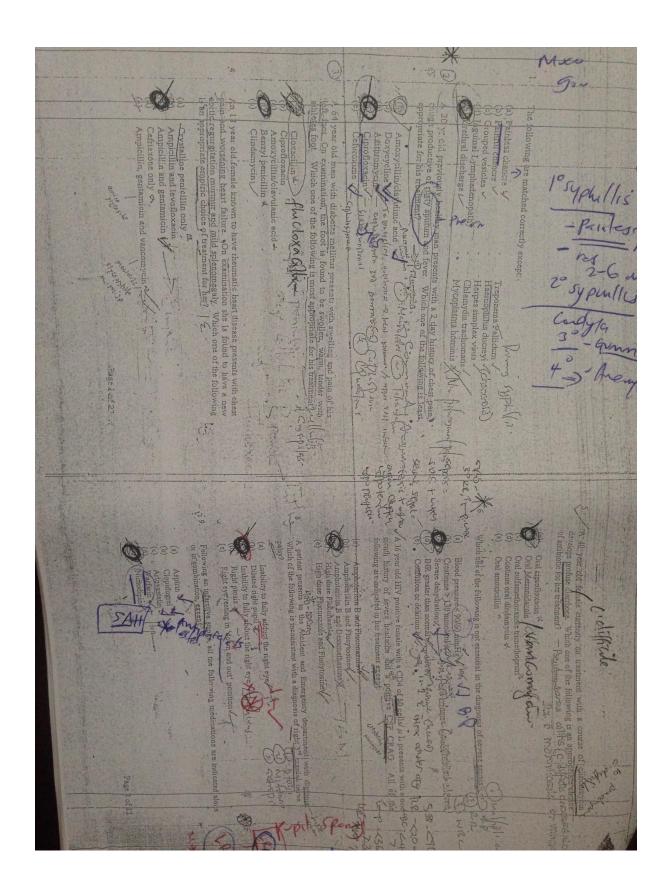
A 25 year old woman presents with gradual skin tightening involving the ham s which one of the following statements is TRUE regarding this constituon? it is easily untenable to treatment

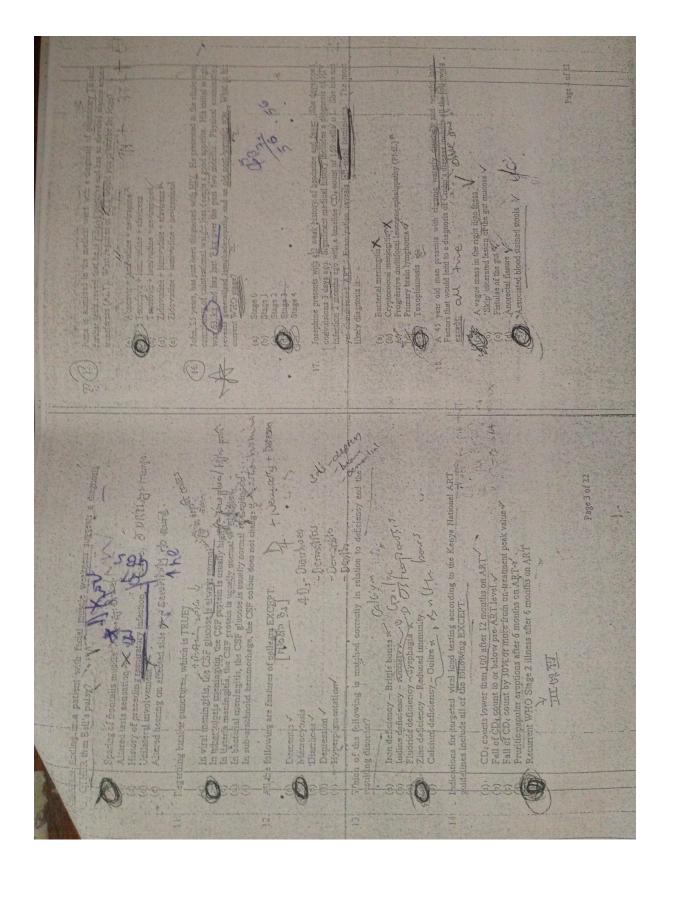
It is usually an indolent disease It has no renal manifestations Reynaud's phenomenon is an invariable feature.

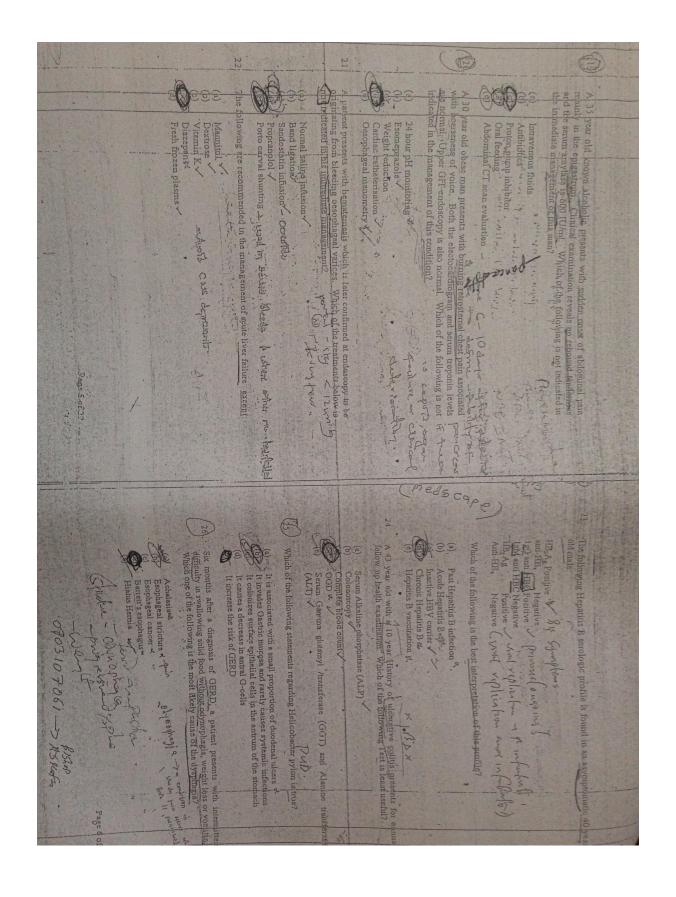
A 16 year old gif has bilaieral haemathrosis of elbow joints. She has a fluctuant hours. Which one of the following is the MOST likely diagnosis? Classical hemophilia
Christmas disease

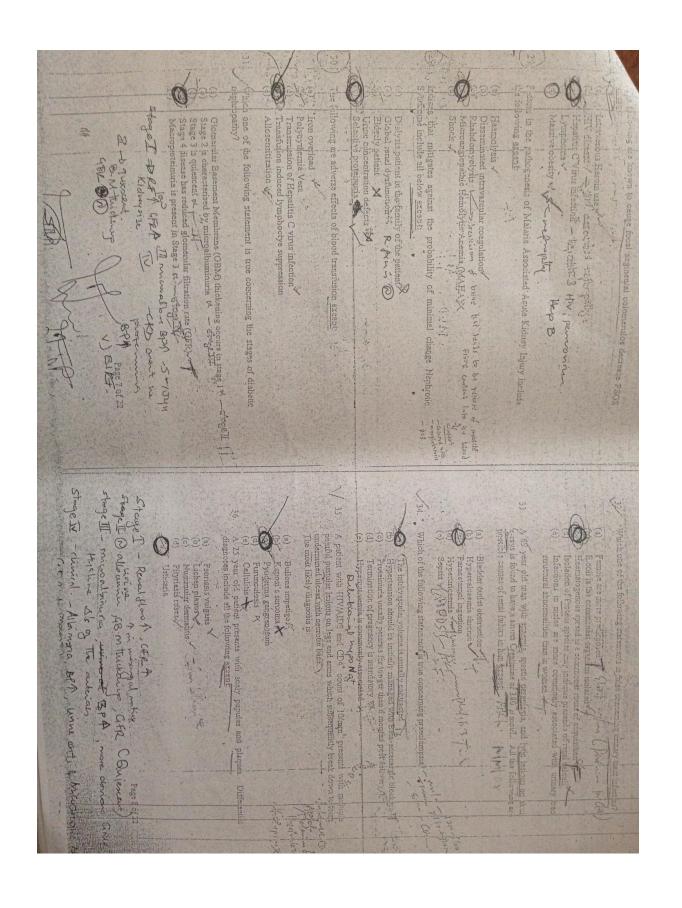
Von Willebrand's disease

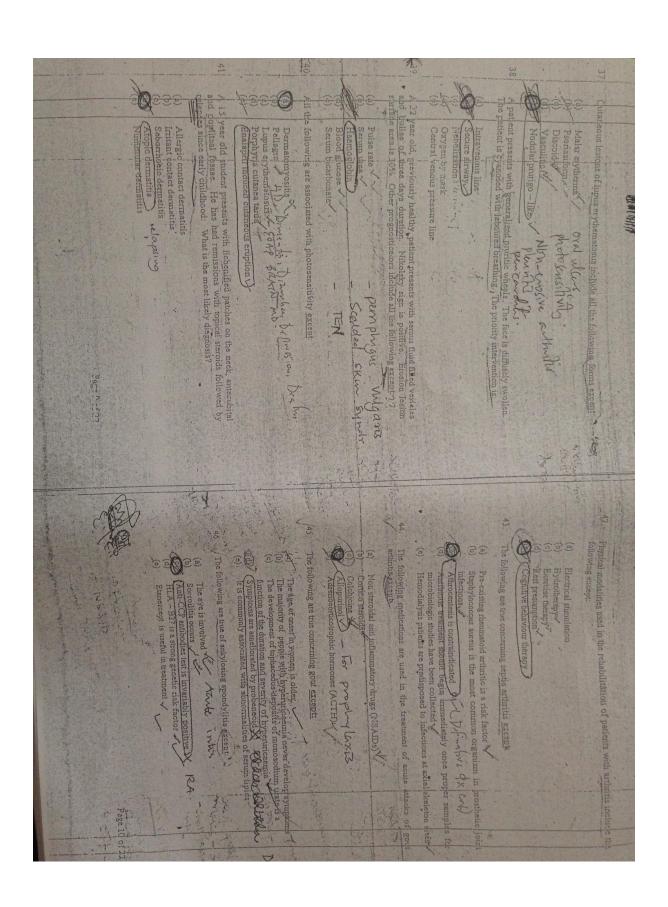
Lack of active sediment in urine Hypercholesterolemia

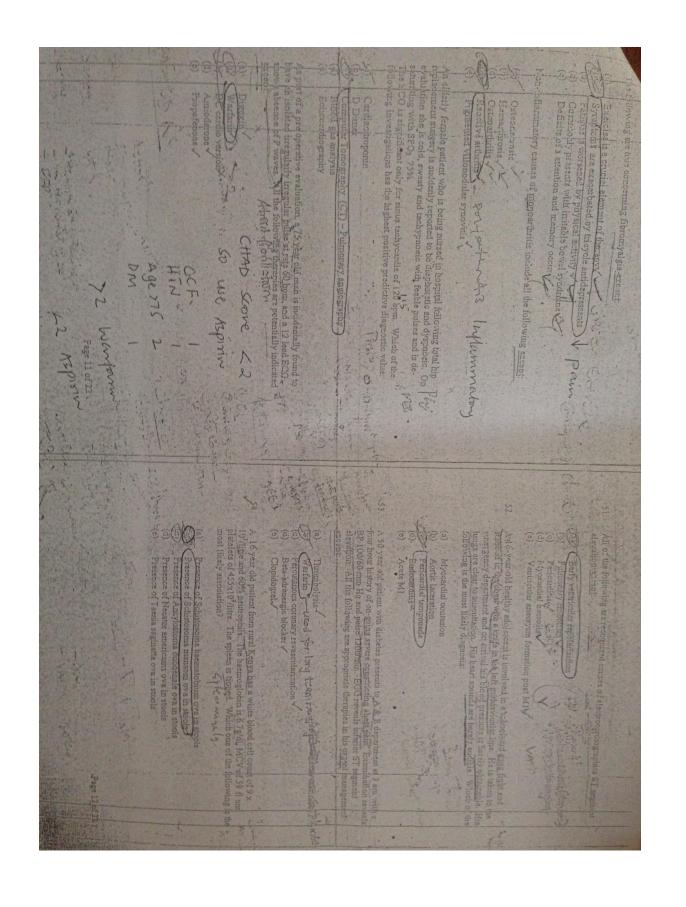


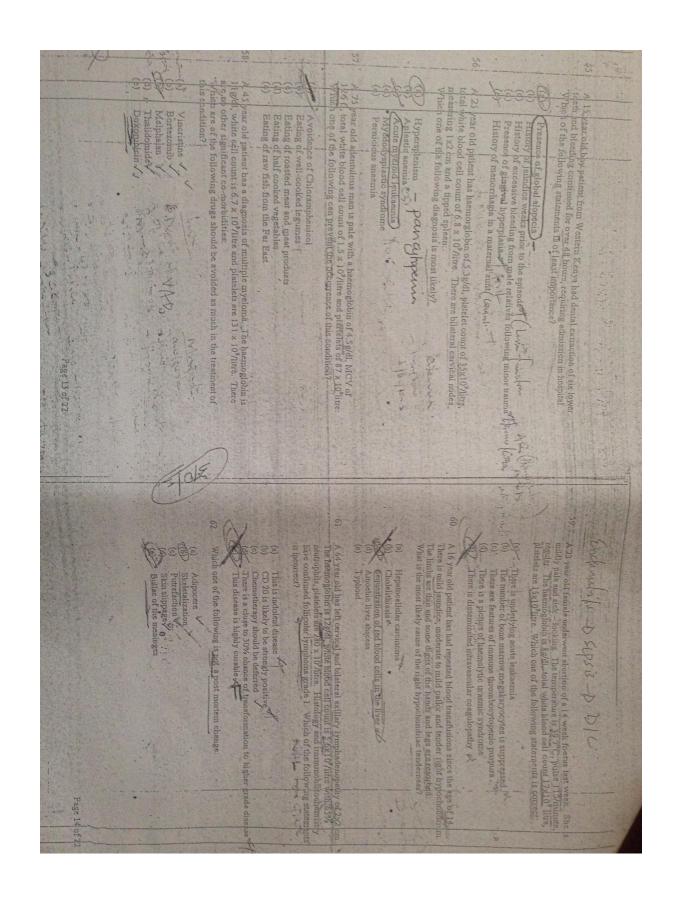


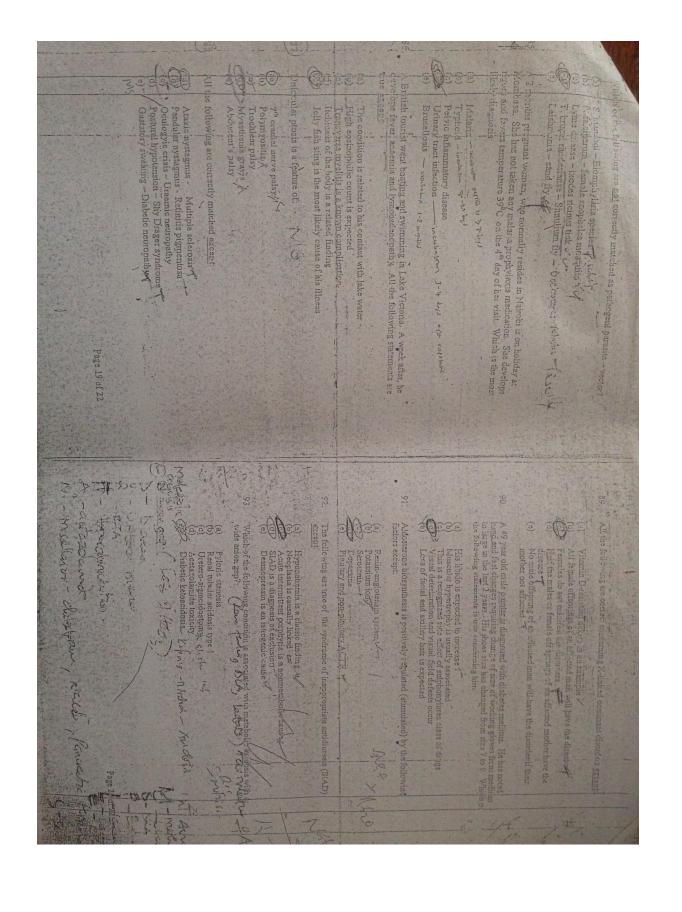


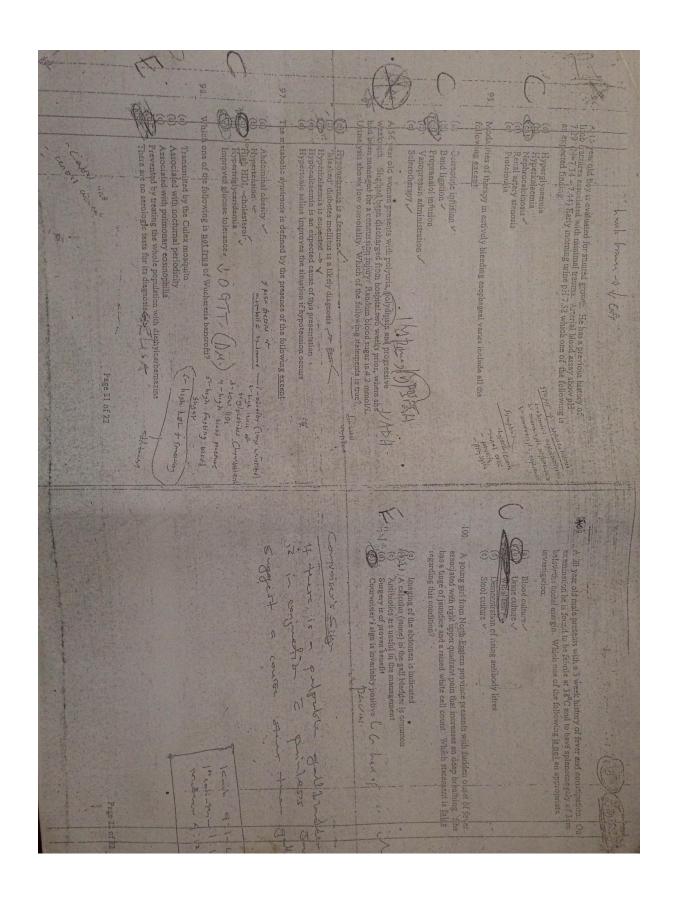
















Mwadia.

UNIVERSITY OF NAIROBI

UNIVERSITY EXAMINATIONS 2013/2014

FIFTH YEAR EXAMINATIONS FOR THE DEGREE OF BACHELOR OF MEDICINE AND BACHELOR OF SURGERY

HME500: MEDICINE-MCQ

DATE: NOVEMBER 6, 2014

TIME: 9.00 A.M. - 12.00 NOON

Mohim

INSTRUCTIONS:

- 1. There are 100 Multiple Choice (MCQs) Questions in this paper. Ensure that your paper has all the questions.
- 2. Fach question has ONE BEST ANSWER.
- There is no negative marking for incorrect responses.
- 4. No mark will be given if more than one answer is marked in a single question.
- 5. An answer sheet is provided where all your answers should be appropriately marked as per instructions.
- 6. The examination paper should be left jurine examination room.

. I.	A 20 year old woman presents with sudden onset weakness of the right side of the body with normal speech. The MOST likely site of the lesion is? Internal capsule B. Middle cerebral artery territory > tower tomba conting. Brain stem - hamiparetis + CN palsy. D. Pons E. Cerebellar peduncle	
2.	Which one of the following statements is TRUE regarding characteristics of X-linked recessive disorders? A. In the male, X-linked recessive genes only manifest when the genes are homozygous B. The condition usually affects females They are transmitted by healthy male carriers. Male off springs of a male with the disorder inherit the disease All female off springs of an affected male will be carriers.	
a Varion duras of	Which one of the following drugs used in the treatment of tuberculosis is correctly matched with its expected adverse reaction? A. Streptomycin – optic neuritis – Verbalances bleve.	
5.	A 25 year old man presents with a 4 month history of swellings on the left lower neck and generalized pruritus. Examination reveals mobile non-tender rubbery lymph nodes. Lymph nede biospsy shows features of nodular sclerosis Hodgkin's disease. Bone marrow confirms marrow infiltration. Computerized tomography (CT) scan of the chest, abdomen and pelvis are normal. What is the stage of the disease? A. II A B. III B C. III S D. IV E. IV S	~
1 - C	La loss pour ous misser esse to see on part 2,000 of 200 500 on one con conservation pour part 2,000 of 200 on one con conservation of pour sides of graphical or one con conservation of pour part 2,000 of 2,000 one con conservations.	

- In a patient with anarsaca, 24-hour albumin excretion of 8g and normal 6. glomerular fittration (GFR), the following complications. arc EXCEPT:-Λ. Hypercoagulability -13: Metas atic calcification C. Atherosclerosis D. Susceptibility to infections E. Hypor atrenia
 - A 60 year old man presents to his doctor for a medical check. He is found to have a random blood sugar (RBS) of 7mmol/L. An oral glucose tolerance test (OGTT) done showed fasting blood glucose of 6.2 mmol/L, 2 hour post glucose load of 14.4 mmol/l. Which of the following statements is TRUE regarding this patient?

1. He has diabetes mellitus

- B. He has impaired glucose tolerance
- C. He has metabolic syndrome
- D. He should have fasting lipid assay to determine the diagnosis
- E. Another OGTT should be done in 6 months to determine his diagnostic status
- 8. A 22 year old man presents to the emergency department with a 3 day history of lever, cough and pleuritic chest pain. His temperature is 39°C, pulse rate is 110 beats/min and respiratory rate is 26 beats/min. Chest radiograph reveals an opacity in the right lower lung zone. Which of the following is the MOST common cause of the condition? * posumoris - upper low priumoris

A Candida albicans

B. Pseudemonas aeruginosa

- C. Mycoplasma pneumoniae
- D. Staphylococcus aureus
- JE. Streptococcus pneumoniae
- 9. A 12 year old boy develops migratory joint pain involving large joints 2 weeks after a sore throat. He has a tachycardia of 110 beats/min, and a systolic-murmur at the apex. Which of the following statements is TRUE concerning his clinical presentation?
 - The micro-organism causing the sore throat is likely to be Staphylococcus
 - B. Blood cultures usually yield the offending organism
 - ښک The heart involvement is usually puncarditis \checkmark
 - D. Erytherna nodosum is expected > Jyv (ciclan, Duy Julphomis.
 - E. Shortened PR interval is found on the electrocardiogram (ECG)
- 10. A 20 year old man presents with 3 mo; his history of bloody mucoid diarrhea. Colonoscopy shows diffuse erythema and ulcerations in the entire colon and patchy ulceration in the terminal ileum. The MOST likely diagnosis is:-
 - Λ. Ulcerative colitis
 - Crohn's disease Trip lemmas grounder duy tylenmeter. De
 - Amoebic colitis
 - D. Shigellosis
 - E. Tuberculous enteritis

A patient presents with oral lesions for I month. He has flaceid vesicles and 11. bullae on the trunk and limbs. Nikelsky sign is positive. The MOST likely diagnosis is:-Found is TEN prompting in rugging Λ. Erythema multiforme major B. Mucous membrane pemphigoid C. Bullous pemphigoid D. Pemphigus foliaceous Pemphigus vulgaris. ve 4 100 Bullous dx. Is. A 25 year old man with history of LIIV disease presents with a history of chronic 12. headache. Neurological examination is normal. CT scan reveals a contrast enhancing ring tesion on the left partetal lobe. The MOST appropriate Λ. Biopsy the lesion B. Start patient on steroids C. Start patient on empirical antibiotics 13. Start patient on empirical anti-toxoplasmosis treatment Ε. Start patient on intravenous acyclovir The following are the results of cerebi ospinal fluid (CSF) obtained from a 40 year 13. Protein 100g/l Glucose 1mmol/L White cell count 2000 cells/µ1 predominantly lymphocytes Gram stain negative These findings are compatible with: Α. Pyogenic meningitis B. Viral meningitis E. Tuberculous meningitis D. Sarcoidosis E. Cryptococcal meningitis X 14. Which one of the following is the HOST important attribute necessary for a Sensitivity - his Principly for having odx 1. В. Specificity Positive predictive value (PPV) - no of fore the fore of Jalas the C. Negative predictive value(NPV) - Twi D. E. Receiver-operator curve (ROC) All of the following statements regarding Plasmodium falciparum are true 15. EXCEPT: - Containe. It causes more severe disease in pregnancy Λ. It is associated with recurrent chapses after effective initial treatment X. C. It is the only malarial parasite sausing greater than 20% parasitemia Infection is associated with thrombocytopenia D. It is the only cause of cerebral malaria. "Yes

All of the following are diagnostic criteria for polymyositis EXCEPT:-Elevated creatine kinase Α. B., Proximal muscle weakness **C**: Myopathic electromyogram (FMT) D. Typical changes on muscle bions. Heliotrope rash 17. A 13 year old boy presents with long-standing mild jaundice, moderate pallor and moderate splenomegaly. The MOST likely diagnosis is:-Λ. Sic!:le cell anaemia B. Non-Hodgkin's lymphoma B-thalassaemia D. Chronic myeloid leukemia pricany o pica. Myelotibrosis E. A 56 year old man presents with severe tow back pain, lumbar spine tenderness and general ill realth. He has pullor and mild ankle oedema. Investigations show haemoglobin 6g/dl, MCV 80fl, ESP 110 mHr serum albumin 30g/l, total protein 130g/l. Xrays show compression fracture L3 to L5 and osteolytic lesions in the pelvic bones. Common causes of renal failure in this condition include all the following EXCEPT: mm 45 thatedomide Neurogenic bladder protein = 36-83. B. Hypercalcemia prednisolone C. Hyperuricemia D. Proteinuria / 1 Hyperparathyroidism resemplinary B-provein - BMA - clonal plasma cells. A 28 year old woman is followed up for thyrotoxicosis. She is on antithyroid medication. Which one of the following clinical parameters will closely reflect her thyroid hormone status? Λ. Emotional variability (moods) B Menstrual patterns C. **Palpitations** D. Sleep patterns E. Weight All of the following interventions are beneficial in the management of patients 20. with chronic obstructive airway disease (COPD) EXCEPT:-Pneumococcal vaccination A. B. Ceasation of smoking C. Short ac ing bronchodilators Inhaled anticholinergies ** High tension oxygen therapy is

- All of the following auscultatory findings are expected in mitral stenosis 21. EXCEPT:-Mid-diastolic murmur 🔑 A. Soft first heart sound A. Presystolic murmur accentuation C. Opening snap & R Loud second heart sound E. A patient presents with massive haematemesis for 1 day. Endoscopy reveals 22. acutely bleeding ocsophageal varices. All of the following treatments would be recommended EXCEPT:-Sclerotherapy Α. · Β. Propranolol infusion Octreotide infusion Nasogastric tube insertion : Band ligation . 23. A 25 year old woman presents with erosion, weeping and crusted lesions on 30% body surface area. The plan of management should include all of the following EXCEPT:-Septic screen Saline soaks Infection control D. Keep warm 13. Emollients A 58 year old man with HIV develops a vesicular cruption along the left side of 24. the ribeage. The eruption is preceded by days of tingling and burning sensation. Which one of the statements is TRUE regarding the condition? Corticosteroids should be started immediately of Acyclost Early acyclovir reduces the duration of symptoms Previous Herpes simplex virus infection is associated with this presentation - (c vso d by vi raell. Disappearance of the rash is associated with disappearance of symptoms D. in all the patients Amitryptilline has no role in the management of this condition E. A 50 year old man presents with history of wasting of the small muscles of the ¥25. hand associated with dysarthria and dysphagia. Examination reveals spastic immobile tongue, wasted muscles of the hands with increased deep tendon reflexes. All of the following statements are true regarding the condition
 - D. Responds to steroidsE. Sphineteric involvement is a late complication

Cause of death is usually respiratory

Autosomal dominant inheritance

Is associated with nystagmus

EXCEPT:-

Λ.

B

C.

26.	You notice is the lost or many	
	You notice in the locker room one of your colleagues injecting himself with	
	The first of the first of the section of the sectio	
	report to the supervisor	
	Counsel your colleague yourself	
	C. Pretend you did not see him	
	D. Ask your senior collection is the second of the second	
	your serior coneague to talk to him	
	E. Report him to the director of the hospital	
0.5		
27.	A 28 year old man presents with painful micturition and a purulent urethral	
	discharge for 2 days. Which one of the first infection and a purulent urethral	
	his treatment?	
	T	
	Ceftriaxone Ceftriaxone	
	Amoxycillin	
	D. Azithromycin	
	E. Doxycycline 🗸	
	z oxycycline V	
. 28	Which are stated to	
* ^{28.}	Which one of the following is NOT a leature of libromyalgia?	
	Attixicty •	
	B. Fatigue	
	Irritable bowel syndrome (IBS)	,
	(D) Selerius	
	E. Sleep disturbance	
	, , , , , , , , , , , , , , , , , , ,	
29.	A 30 was old some and a	
	A 30 year old man presents with general body weakness. Physical examination reveals pallor and kollonychia. Which are a CL COL	
	A. Presence of Ascaris lumbricoidae on in the control of	
	Tresence of Therma Sagmata Dyn in his area by	
	C. Increased faecal stereobilinogen &	
	D. Mean corposcular volume (ALOV) - c. c. c.	
	" A SA Pascarat Volume (MCA) 91 2011	
	E. Reduced total iron binding capacity (TIBC) And total two binding capacity (TIBC)	-11
W.3()) ' 1' '	Lag.
* ³⁰ .	Which one of the following renal disease is well matched to renal imaging findings?	
	findings? imaging	
	Chronic glomerulonephritis - bilateral contracted echogenic kidneys Obstructive uropathy - echogenic kidneys	
	Obstructive uropathy – echogenic kidneys Chronic metals a blidgeral contracted echogenic kidneys Chronic metals a blidgeral contracted echogenic kidneys	
	C. Chronic pyelonephritis and a consideration of the constant	
	The phopatity - Different email 11:1	
	E. Acute tubular necrosis – dilated calyees.	
21		
31.	The metabolic syndrome is defined by the presence of all the following	
	characteristics EXCEPT:-	
	Abdominal obesity	
	B. Hypertension	
	and angle density (poprotein())) - abota (
	5 Pettigly Condenia	
	E. Impaired glucose tolerance	

- All of the following findings are compatible with a diagnosis of Pneumocystis 32. jirovecii pncumonia EXCEPT:-Α. Elevated white blood cell count В. Low CD4 count C. Elevated lactate dehydrogenasc(LDH) in blood D Marked hypoxia on arterial blood gas analysis Butterfly appearance on chest radiograph/ E. 33. A 65 year old man complains of palpitations. ECG shows irregular QRS complexes with absent P-waves. The diagnosis is :-A. Atrial flutter B. Atrial ectopics C. Atrial fibrillation D. Heart block E. Ventricular fibrillation. A 25 year old man is diagnosed with chronic hepatitis B infection. He has high 34.
 - hepatitis B virus (HBV) DNA at 100 million 1U/ml. All of the following investigations would be required before initiation of treatment EXCEPT:
 B. Hepatitis B e antigen (HBeAg) test
 - B. Hepatitis B e autigen (HBeAg) test
 C. Hepatitis B core antigen (HBeAg) test
 D. Hepatitis C virus screen
 - E. Thyroid function tests (TFTs)
 - A 30 year old man present; with sealy papules and plaques. The differential diagnoses include all the following EXCEPT: A. Lichen planus
 B. Psoriasis vulgaris
 - D. Discoid dermatitis
 D. Pityriasis rosea
 E. Morphoca
 - 36. A HIV positive woman has generalized cervical lympadenopathy. Fine needle aspiration (FNA) cytology confirms (uberculous adenitis. Her CD₄ count is 60 cells/ul. She is started on antituberclous treatment and HAAR" simultaneously. 4 weeks later she develops fever and increasing enlargement of the lymph nodes. Which one of the following would be the CORRECT approach to her management?
 - A. Stop the anti-tuberculous therapy
 Stop the anti-retroviral therapy
 Start on prednisone immediately
 Add a broad spectrum antibiotic

- A 60 year old hypertensive and diabetic man who has previously been well is found in the norning with weakness of the right side. He is rushed to the hospital where he arrives in 1 hour. Computerized tomography (CT) scan of the head reveals an infarct. Which of the following would be the MOST effective treatment?
 - A. Aspirin
 - B. Clopidogrel
 - C. Atorvastatin
 - Intravenous tissue plasminogen activator (TPA)
 - E. Dipyridamole
- 38. Which of the following deficiency is found in patients with terminal ileum disease?
 - A. Calcium
 - B. Iron
 - Folic acid
 - D. Tryptophan
 - E. Cobalamin
- 39. A 41 year old man admitted for management of heart failure develops a cough, chest pain and fever after 1 week in the hospital. Which one of the following antibiotics is the **BEST** empiric choice?
 - A. Amoxicillin clavulanic acid
 - **B**. Clarithromycin
 - C. Ceftazidime
 - D. Cefuroxime
 - E. Fluctoxacillin
- 40. A 43 year old man presents with 8 week history of symmetrical joint pain and swelling involving the metacarpal-phalangeal (MCP) metatarsal phalangeal (MTP) and proximal interphalangeal (PIP) joints. Symptoms are worse in the morning and last for 1 hour. Which one of the following statements is **TRUE** of this condition?
 - Non-steroidal anti-inflammatory drugs (NSAIDS) are the first line of therapy
 - B. Extra-articular manifestations is not a feature 3.
 - C. Radiological investigation is required for the diagnosis
 - D. Disease modifying therapy should be instituted immediately
 - E. Biologic agents have no role in its management v
- 41. In a 60 year old man with multiple myeloma and a fracture of the right femur, which one of the following is the MOST appropriate approach to management?
 - A. Start melphalan and radiotherapy
 - B. Start melphalan then refer for bone marrow transplantation
 - Start analgesics, internally fix the tracture then administer radiotherapy
 - D. Administer radiotherapy then internally fix the fracture
 - E. Start neoadjuvant thalidomide then internally fix the fracture.

- Which one cf the following disease process is well matched with the renal manifestation?
 - Syphiais obstructive uropathy Α.
 - B. Plasmodium malariae infection - nephrotic syndrome
 - Systemic lupus crythematosus acute tubular necrosis
 - D. Schistosoma haematohium infection – Fanconi syndrome
 - E. Rheumatoid arthritis – acute glomerulonephritis
 - 43. A 46 year old man with diabetes presents with right foot ulceration without gangrene. It is septic with malodorous smell. IIbA_{1c} is 8.5%, dorsalis pedis pulses are good. Staphylococcus aureus and Klebsiella sp. have been isolated from the wound swab. The following actions are appropriate EXCEPT:-
 - Α. Daily hydrogen peroxide soaks -
 - Intravenous antibiotics
 - C. Daily saline soaks
 - D. Platelet - derived growth factor dressing
 - E. Insulin therapy
 - A 65 year old man with 25 pack years of smoking presents with cough, weight 44. loss and breathlessness. A chest radiograph shows a right apieal homogeneous round opacity. All of the following findings are known to be associated with this presentation EXCEPT:-
 - Α. Hyperpigmentation of the palms
 - B. Radicular pain to the right hand
 - C. Hypocalcemia
 - D Hourschess of the voice
 - E. Haemoptysis
 - A patient presenting with non-ST elevation acute coronary syndrome will benefit 45. from all of the following therapeutic interventions EXCEPT:-
 - A. Thrombolysis
 - Combined clopidrogel and aspirin therapy B.
 - Enoxaparin therapy
 - D. Beta-blocker therapy
 - E. Nitrates
 - A 70 year old man presents with generalized pruritus and weight loss. Clinical 46. examination reveals green jaundice and a palpable non-tender gall bladder. Which of the conditions listed below is the MOST likely diagnosis?
 - Acute cholocystitis 14.
 - 13. Cholelithiasis
 - C. Hepatocellular carcinoma
 - D. Pancreatic malignancy
 - E. Cholangiocarcinoma

- A 20 year old patient presents with pruritic lesions on the neck, antecubital and popliteal fossile since 2 year of age. The lesions are lichenified, excoriated and 47. crusted patches. The MOST likely diagnosis is:-
 - Atopic dermatitis A.
 - Seborrhoeic dermatitis 13.
 - Allergic contact dermatitis C.
 - Nummular dermatitis D.
 - Dyshidrotic dermatitis K
- In a HIV positive patient with cryptococcal meningitis and CD4 count of 40 48. cells/uL, which one of the following approaches would be the MOST appropriate?
 - Amphotericin B plus fluconazole for 2 weeks, serial lumbar punctures and Λ. HAART initiation at 2 weeks
 - HAART and amphotericin B plus fluconazole initiation simultaneously, B. serial lumbar punctures
 - HAART for 2 weeks followed by amphotericin B plus fluconazole, serial C. lumbar punctures.
 - Amphoterian B plus fluconazole for 2 weeks, serial lumbar punctures; D. then fluconazole. HAART initiation after 5 weeks
 - HAART for 5 weeks; serial lumbar punctures. Initiation of amphotericin B plus fluconazole after 5 weeks.
- 49. A 40 year old-alcoholic goes to bed and wakes up in the morning with a wrist drop. The MOST likely nerve injury is?
 - Α. Radial nerve
 - Ulnar nerve B.
 - E. Musculocutaneous nerve
 - Median nerve D.
 - E. Axillary nerve
- A 28 year old man presents with pain and swelling of his left leg 3 days after a 50. thorn prick. Which one of the following antibiotics is the BEST empiric choice?
 - Ciprofloxacin A.
 - Clarith omycin B.
 - C. Metronidazole
 - Amoxicillin clavulanic acid
 - Nitrofurantoin E.
- All of the following statements are true regarding gout EXCEPT:-51.
 - The 1st metatarsal –phalangeal joint is commonly involved A.
 - Renal failure is a known complication В.
 - It can present with extra-articular manifestations Ex
 - It is common in pre-menopausal women D.
 - It results form monourate sodium deposition E.

Which one of the following is TRUE regarding chronic mycloid leukemia 52. (CML)? It is almost exclusively a disease of children Leucocyte alkaline phosphatase (LAP) score is reduced Lymphadenopathy is common in the stable state Autosplenectomy occurs V Spontaneous fractures tend to occur 53. Which one of the following conditions is associated with dilutional hyponatraemia? Congestive heart failure X B. Acute tubular necrosis C. Gastroenteritis D. Hypothyroidism E. Hypercholesterolaomia A 36 year old man with longstanding bronchial asthma has been on prednisolone 54. 30mg/day for several years. Now he has cushingoid features. The other findings expected in this patient include all of the following EXCEPT:-Systemic hypertension A. Bone pains В. C Normal libido Agitated behaviour D. E. Raised intra-ocular pressures All of the following are danger signs in status asthmaticus EXCEPT:-55. Pulse rate of 115 beats/min Α. Inability to complete sentences В. Respiratory rate of 36 breaths/min C. Inability to perform peak flow measurements D. Blood pressure of 90/60 mm Hg E. All of the following pharmacotherapies have been shown to prolong survival in 56. patients with non-valvular heart failure EXCEPT:-Spironolactone - AM A. Carvedilol В. Angiotensin converting enzyme inhibitors (ACE I) C. Angiotensin receptor blockers (ARB) D. Loop diurctics A 35 year old man presents with heartburn and a feeling of regurgitation after 57. meals. He frequently clears his throat while talking. Upper gastrointestinal tract (GIT) endoscopy is reported as normal. This condition is associated with all of the following features EXCEPT:-Poor quality of life Λ. Increased incidence of malignancy B. Barrett's ocsophagus C.

Recurrent bronchospasm

Increased incidence of Heticobacter pylori

D.

 $\langle E_{\cdot} \rangle$

	interdigital dates the management with insidious onset of pruritic eruption on the	
	interdigital clefts, flexor aspects on the wrists and gluteal claft. The lesions	7
	comprise of papules, vesicles, pustiles and burrows. The MOST likely	
	diagnosis is:	
	A. Larvel migrans	
	B. Papular urticaria	
	Heriomian (M. Carrier)	
	Urticaria pigmentosa	
	Scabies Scabies	
	E. Dermatitis herpetiformis	
50	· , & , &	
59.	comprise of papules, vesicles, pustiles and gluteal claft. The lesions diagnosis is: A. Larval migrans B. Papular urticaria Urticaria pigmentosa Scabies E. Dermatitis herpetiformis A 34 year old HIV positive man presents with a 3 week history of severe headaches and photophobia. His CDa count is 36 cells (vel. 14).	
	headaches and photophobia. His CD ₄ count is 36 cells /µ1. He further reports	
	that 2 months back, he had similar headaches, was admitted and given 2 weeks of after discharge and the discharge and the discharge and the discharge after discharge and the discharge after discharge after discharge after discharge and the discharge after discharge afte	
	amphotericin B for confirmed "fungal meningitis". He did not go for follow-up	
	after discharge, What is in the discharge when a for following the discharge was to for following the discharge with a first section of the following the discharge was to for following the discharge with a first section of the following the discharge was a first section of the following the discharge was a first section of the following the discharge was a first section of the first s	
	after discharge. What is the MOST useful test to confirm the diagnosis now? A. Cerebrospinal (CSF) cryptococcai antigen (CPAC) test	
	A. Cerebrospinal (CSF) cryptococcai antigen (CRAG) test B. Serum CRAG test	
	India ink in CSF CSF finant auto-	
	D. CSF fingal culture E. CSF project	
	E. CSI protein level - change of Kriting a	(
60.	A 30 year old woman presents with a 2 week him	
00.	A 30 year old woman presents with a 2 week history of progressive weakness. Examination and difficult to rise from a sitting position and a sitting position are sitting position.	
	She has found it these at	
	Examination reveals normal deep tendor reflexes and sensory modalities. All of	
	the following statements are true regarding her illness EXCEPT: A. It responds to steroids It is associated with elevated muscle enzymes C. It is associated with accretely the times.	1
	It is associated with elevated and in the property of the prop	
	C. It is associated with acetylcholine receptor antibodies Lt is associated with metallic enzymes - Lemcut my cell to	
	C. It is associated with acetylcholine receptor antibodies E. Dysphasia and with malignancies Dysphasia and with malignancies	
	E. Dysphagia occurs A 60 year old man	
	Pain at ust - ust	mk
61.		. 5
	stiffness. Which one of the can	(-5
	stiffness. Which one of the following organisms is NOT likely to cause this	
	A. Streptococcus pneumoniae Group A β-hemolytic Streptococcus ρεσμού C. Haemophilus influenzae	
	C. Haemophilus inflorer	
	C. Haemophilus influenzae D. Neisseria manimistri	
	The inserted meningilians	
	E. Listeria monocytogenes old > 554 2'd, 9'colo 2	
(2	v ·	
62.	All of the following indicators are useful in evaluating the success of treatment of	
	rheumatoid arthritis EXCEPT:	
	A. Tender joint count	
	B. Swollen joint count	0.00
	C. Markers of inflammation	
	a wrotified foliation	
	Functional status of the patient	

- 63. Steroid therapy is indicated in the fellowing oncological emergencies EXCEPT:-Superior vena cava obstruction Β. Hypercalcemia C. Severe neutroponic sepsis D. Raised intracrantal pressure D. Spinal cord compression 64. A 35 year old man presents with nausea, vomiting and general malaise. He has been hypertensive for 5 years. Laboratory tests show:-Urinalysis -- protein 3+, RBCs 2+, granular casts Hacmoglobin 9.3g/dl, MCV 80fl WBC 6x109/L, platelets 119x109/L Serum K⁺ 5.4 mmol/L. Na' - 1.28 mmo/L urea 28mmol/L creatinine 837umol/L Renal ultrasound – bilateral confracted kidneys Right = 6.2×3.8 cm, Left = $6.32 \times 3.3 \text{ cm}$ Which of the following statements is TRUE? Α. This is acute kidney injury secondary to volume depletion B. This is acute glomerulonephricia C. Renal biopsy should be performed D. Patient requires longterm dialysis (E.) Patient has hypertensive glomemloselerosis All of the following are rational combinations of oral glucose lowering 65. medications EXCEPT:-- sulfonylareas Metformin/Areabose; Glimepiride Α. ~ biquanides B. Mettermin/Repaglinide/Lina, Eptin - micizalidurediones - x-guicondare inhibitory - DP14 Mours Mctformin/Insulin Chierpropamide/Insulin McCormin/Linagliptin/Insulin A 60 year old male has a 20 pack-year history of eigarette smoking. He presents 66. with a productive cough and shortness of breath especially on cold days and associated chest tightness and wheezing. The MOST likely diagnosis is:-۸. 13/2 Chronic obstructive pulmonary disease (COPD) C. Licart failure D. Anxiety attack E. Protamonia An elderly female who is being an sed in hospital for dense hemiplegia from a 67. cerebrovascular accident is saddenly diaphoretic and dyspnocie. examination, she is cold, sweaty and tachypnocie. Her radial pulse is weak and feeble. The electrocardiogram (ECG) is significant only for sime tachycardia. All of the following investigations are useful in establishing the diagnosis EXCEPT:-Cardiac troponin assay - light venishada MI. Λ.

 - D-dimer assay 13.
 - C Computerized tomography (CT)-pulmonary angiography
 - B. Blood sugar analysis
 - E. Chest radiograph

(10.	EXCEPT:-
	Children in the state of the st
	B. Diarrhoen often occurred in the Presents with increased loose watery stools and reflected by detection.
	B. Diarrhoea often occurs at night C. The snot never contains by Light to the snot never contains the snot
	- Delley meeting blood
	Sometimes the predominant example of the advants
	A tracelline pain is often relieved by defection
69.	AIDS-defining mucocutaneous disordays in the second sympa.
•	A Organization of the following EXCEPT:-
	B. Kaposi's sarcoma C. Cutangous gryptogeography. - eral & pharyngeal candida.
	C. Cutaneous cryptococcosis P. Herpes simplex ulcers Pyoderma gangrenosum Hev ulcus: Card g phany gent candid. Card heing leucopts Let crypto Her ulcus: H
	Pyoderma gangrenosum
	B. Kaposi's sarcoma C. Cutaneous cryptococcosis D. Herpes simplex ulcers Pyoderma gangrenosum UL. R.B. MM, DM. Ards defining - eral & phanyingeal candida.
70.	A 26 year old woman presents with a 2 week history of change in speech and a M. centrag
	tongue that deviates to the right side on protrusion. Which cranial nerve is
	involved?
	A. Right glossopharyngeal
	Left glossopharyngeat
	(C.) Right hypoglossal
	13. Left hypoglossal
	E. Left vagus
71.	A 26 year old warran pragante with history of City
,	A 26 year old woman presents with history of chronic cough. She reports that she was on treatment for tuberculosis which she stopped 3 weeks prior after having
	taker it for 25 days. Which one of the following is NOT appropriate in the
	approach to her management?
	A. Restart anti-tuberenlous treatmen with rifampicin, isoniazid,
	pyrazinamide and ethambutol
	B. Restart anti-tuberculous treatment with rifampicin, isoniazad,
	pyrazi namide, ethambutol and streptomycin.
	C. Send sputum for acid fast bacilli staining D. Send sputum for genexpert MTB, RIF
	E. Apply directly observed therapy
72.	A 13 year old boy presents with a 2 day history of fever, right knee pain and
	swering. There were no precipitants to this illness. Which one of the following
	statements is a ROE regarding this condition?
	A. Intra-articular steroids are useful in the management
	Analgesis, oral antibiotics and bedrest is the gold standard in the
	management C. Antibiotics should be withheld until results of the gram stein as a lateral.
	C. Antibiotics should be withheld until results of the gram stain are obtained Intra-a-ticular antibiotics are useful
	Needle aspiration and drainage of the joint is warranted
	Spradon and dramage of the Joint is warranted

73.	A middle-aged man is reviewed in the outpatient clinic with complaints of abdominal swelling for several weeks. Physical examination reveals splenomegaly extending 10 cm below the costal margin. All of the following are likely causes EXCEPT:- A. Chronic myeloid leukemia	
	A. Chronic mycloid lcukemia B. Miliary tuberculosis Myclofibrosis D. Visceral leishmaniasis E. Hyper-reactive molecules and a continuous part of the continu	Dertam
74.	Which one of the following statements is TRUE concerning urinary tract infections? Staphylococcus aureus is the commonest organism among sicklers Proteus spp. infection is associated with calculi Treatment of Candida infections predisposes one to bacterial infections	a, lemphor Tax RA-c siç u corderis urpalica TB.
75.	E. In men, infections are usually associated with sexual intercourse All of the following are established rick factors for diabetic foot ulcer disease EXCEPT:- Diabetic cardiomyopathy Chronic kidney disease stage 3 and higher C. Macular eye disease D. Peripheral neuropathy Clav-toe deformity	(, 🌑
76.	Which one of the following is NOT a recognized risk factor for the development of deep venous thrombosis? A. Hormonal contraceptive therapy B. Protein C deficiency C. Heart failure Anti-phospholipid syndrome Hypertension	
//.	Which of the following is NOT a cause of constipation? A. Hypocalcemia hypercularium conshirum. B. Hypothyroidism payma. Aluminium containing antacids - arm hypothyroidism D. Cerebrovascular accidents E. Atorvastatin	(· · ·)
78.	All of the following are risk factors for haemorthagic stroke EXCEPT:- A. Cocaine use B. Cigarette smoking C. Amyloid angiopathy Aneurysm Warfarin use - Blad Outbag	

79.	A tourist suffered a touring
1.7.	A tourist suffered a bout of watery d'arrhoea which became raucoid and blood — Chilar Rheumatoid factor and developed severe joint pains a few and blood — Chilar
	stained. He had fever and developed severe joint pains a few weeks later.
	A. Shipulla flavorities and the fine
	B. There is high is the causative organism
	Culture of M. Cu
	D. It is consisted gonorrhoed will be obtained from it interprets
	It is associated with IILA B27 genotype
į	This associated with serum leucocytosis - stugetter, yersing,
۹0.	A. Shigella flexneri is the causative organism There is high circulating bacterial antigen Culture of Neisseria gonorrhoea will be obtained from joint aspirate It is associated with IILA B27 genotype It is associated with serum leucocytosis A 45 year old woman with a discretion of the statements are true Chlumydon. Reactal Attraction Recactal Attraction Recac
	A 45 year old woman with a diagnosis of rheumatoid arthritis has been on methotrexate and prednisone for 2 years. Which are 6.4
	methotrexate and prednisone for 2 years. Which one of the following
	complications is NOT likely to be due to her chronic steroid use? A. Cataract formation
	B. Pepticuleer disease
	Diabetis mellitus
:	D Liver disease
j.	E. Hypertension
81.	
81.	A strict vegetarian presents with general malaise, exertional dyspnoea and pallor.
	Which one of the following statements a CD 6160
	South hypothophy occurs
	Serum ferritin levels are low
	Bone marrow Prussian blue stain is negative Paraesthesias are common
	Serum ferritin levels are low Bone marrow Prussian blue stain is negative Paraesthesias are common Condition is invariably fatal
	A Comment of American Comments of the Comments
82.	A 30 year old man has just been diagnosed with HIV. He presents to the clinic
	Completing of unfillentional wellow to contain a second
	District of the file file file of the pool
	gotto the tymphadenopatity. What is his current WHO stage?
	A. Stage 0 B. Stage 1
	C. Stage 2
	D. Stage 3
	E. Stage 4
0.0	
83.	A 28 year old woman presents with gottre. Thyroid profile showed TSH =
	$\frac{1}{1}$
	and the right lobe, the rest had normal echodensity. Which of the call
	A Description of Appropriate for her?
	B. Propythiouracil
	C. Lugol's iodine 7SH - 0.5 - 5 7. 1 0.2 - 4.5.
	B. Propythiouracil C. Lugol's iodine D. Methylprednisolone Tu - 30 140. 1 9-21
	E. Surgery
	78'-
	TSH 7 40. 11
	D. Methylprednisolone Tu - 20 140. 1 9-21 Surgery Tsh - 40. When I.
	Page 17 of 20
	- 550 17 01 20

84.	Which syncope	of the following conditions is NOT a recognized cause of cardiogenic
		Pulmonary embolism
	1	Ventricular fibrillation
		Postural hypotension
		First degree heart block
	E.	Third degree hear block
85.	A 45 y	car old man with liver circhosis and bleeding tendencies and an otherwise
	normal	blood count comes to you for management. Which of the following is the
	MOST	appropriate therapy?
	A.	Tranexamic acid
	"Ph	Platelet infusion
	C.	Whole blood transfusion
	D.	Transfusion of an almost a linear plant
	(E.)	Transfusion of packed cells Vitamin K
	\cup	• .
86.	Which	of the following drugs is LEAST useful in myoclonic epilepsy?
	(6)	Ethosuximide
	Θ	Carbamazepine phenton
	D.	Sodium valproate catrarareper
	Б. Е.	Clourzepan etwork,
	15.	Carbamazepine phentoin Sodium valproate Clonizepan Lamotrigine phentoin catharazepin etwork, garaputn,
87.	bh Modil	hable risk factors for esteoarthritis include all of the following EXCEPT-
	Λ.	Age
	В.	Raec
	C.	Female gender
	D	Obesity
	E.	Prior inflammatory joint disease
		•
88.	Whiel	h one of the following is NOT a risk factor for hepatocellular careinoma? Heavy alcohol consumption
	٨.	Heavy alcohol consumption
	В.	Exposure to aflatoxins
	· the	Hepatitis A virus
	D.	Hepatitis B virus
	(E)	Hepatis C virus
	\bigcirc	Topano o mus
89.	Whiel	h one of the following statements is TOLD
	neplu	n one of the following statements is TRUE regarding diabetic
	A.	Stage 2 is characterized by microalbuminuria
	В.`	Hyperfiltration is only evident in late stages
	C.	The microalbuminusia class and stages
	1).	The microalbuminuria stage is potentially reversible
	E.	Microalbuminuria precedes the glomerular structural changes
		Stage 4 patients need to be started on dialysis

- All of the following are evidence based therapeutic lifestyle changes in the control of systemic arterial hypertension EXCEPT:-Moderation of alcohol ingestion Λ Reduced dietary salt ingestion B. Lower dietery potassium intake 9 D. Stress management E. Regular aerobic exercise 91. A 30 year old pregnant woman is found to be hepatitis B surface antigen (HBs Ag) positive. She is concerned about transmitting the virus to her unborn infant. Which of the following factors is MOST useful in determining the risk of The Hepatitis B e antigen (HB:Ag) status Hepatitis B core immunoglobulic G (HBclgG) status B. Alanine aminotransferase (ALT) 23lu/L C. D. Her alcohol history E. Aspartate aminotransferase (AST)/ALT ratio >2 12. A 38 year old woman presents with a 1 month history of bilateral numbness of the lower limbs. Examination is notable for reduced vibration sense and reduced ankle reflexes. All of the following tests are useful in this patient EXCEPT:-A. Serum sodium B. Serum creatinine C. Thyroid stimulating hormone D. Glycosylated haemoglobin (N) Haemaglobin level A 25 year old woman presents with gradual skin tightening involving the hands 93. and face. She also has first degree heart block on the ECG and reflux oesophagitis. Which one of the following statements is TRUE regarding this condition? It is commoner in males compared to females Λ. indolent ornet. 13. It is easily amenable to treatment limited cultaneous 25. Raynaud's phenomenon is an invariable feature systemic scles D. It has no renal manifestations antientromere E. It is usually an indolent disease 94. A 16 year old girl has bilateral haemathrosis of elbow joints. She has a fluctuant right knee that is tender. She is bleed from a venepuncture site for the past 24 hours. Which one of the following is the MOST likely diagnosis? Classical hemophilia Δ. B. Christmas disease R. Von Willebrand's disease D. Disseminated intravascular coagulopathy (DIC) E. Protein C deficiency 95. All of the following are features of minimal change glomerulonephritis
 - EXCEPT:-
 - A. Heavy proteinuria
 - B. Hypertension
 - ·Cu Corticosteroid responsiveness
 - D. Lack of active sediment in urine
 - E. Hypercholesterolemia

- A 20 year old woman present, with a bisiory of sudden onset of confusion. This 96. is followed by a severe episode of generalized tonic-clonic scizure. Before the onset of the seizure, she had reported a funny smeil. Examination reveals a of 38°C, confusional state with no evidence of meningeal irritation. Which of the following would be the MOST effective treatment in this condition?
 - Α. Acyclovin
 - В. Gancyclovir
 - C. Anti-luberculous treatment
 - K High dose steroids
 - E. Celtriaxone with vancomyem
- 97. Low veltages on a 12-lead ECG occur in all the following conditions EXCEPT:-
 - Amyloid heart
 - 13. Chronic obstructive pulmonary disease (COPD)
 - C. Pericarditis
 - D. Obesity
 - E. Pericardial effusion
- A 22 year old man presents with a 6-month history of let upper quadrant 98 discomfort and early satisfy. 2 days prior to presentation, he developed priapism Abdominal exam revealed splenomegaly 12 cm below left cos al margie. White blood cell count (WBC) is $279 \times 10^9 T_\odot$ hacmoglobin is 9.4 g/dL and platelets $702 \times 10^9 T_\odot$ What is the MOST appropriate next investigation to confirm the 107/1. diagnosis?
 - Α. Abdee inclutions and ways
 - Prythropoletia level

Acute leulernia:

Haemoglobin electrophoresis

Bone marrow evaluation Peripheral blood film

- Which one of the following statements is TRUE regarding ascites in liver 99. disease? spironolactore (aldostero,
 - This zides are the dimetics of choice Λ.
 - Malignant assites responds well to dimetic therapy H.

Portal hypertension is a rare cause.

Aldosterone antagonists are the preferred diureties: Infectious actiology is uncor mon-

A 20 year old woman at 20 week; gestation presents to the emergency department 100. with dysphoca class III. On evanination, she has a regular pulse rate of 90 beats/min, a non-displaced apex with apical mid-diastolic rumbling murmur with loud first heart sound. Which of the following is the MOST appropriate equergency therapeutic intervention?

Furosemide therapy

B. Termination of pregnancy

C. Digoxin therapy

Augioteusin converting courage inhibitor (ACEI) therapy D.

T;, Beta blocker therapy

FOURTH YEAR 2013/2014 MCQ

Kelvin Muthamia



UNIVERSITY OF NAIROBI

UNIVERSITY EXAMINATIONS 2013/2014

FIFTH YEAR EXAMINATIONS FOR THE DEGREE OF BACHELOR OF MEDICINE AND BACHELOR OF SURGERY

HME500: MEDICINE-MCQ

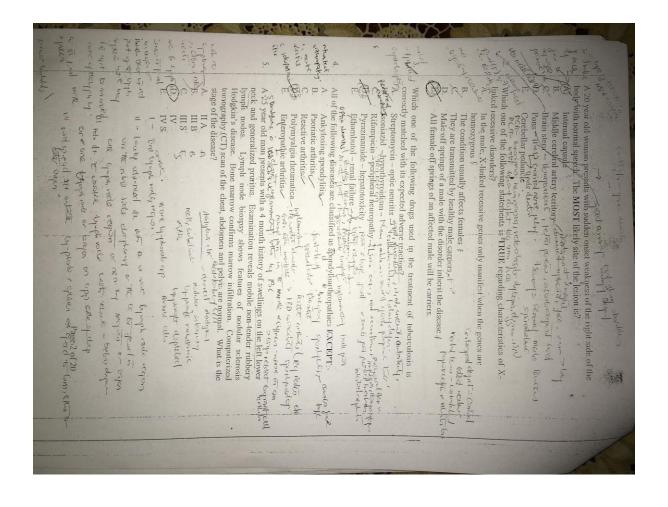
DATE: NOVEMBER 6, 2014

TIME: 9.00 A.M. - 12.00 NOON

INSTRUCTIONS:

- 1. There are 100 Multiple Choice (MCQs) Questions in this paper. Ensure that your paper has all the questions.
- 2. Each question has ONE BEST ANSWER.
- 3. There is no negative marking for incorrect responses.
- 4. No mark will be given if more than one answer is marked in a single question.
- 5. An answer sheet is provided where all your answers should be appropriately marked as per instructions.
- 6. The examination paper should be left in the examination room.

41

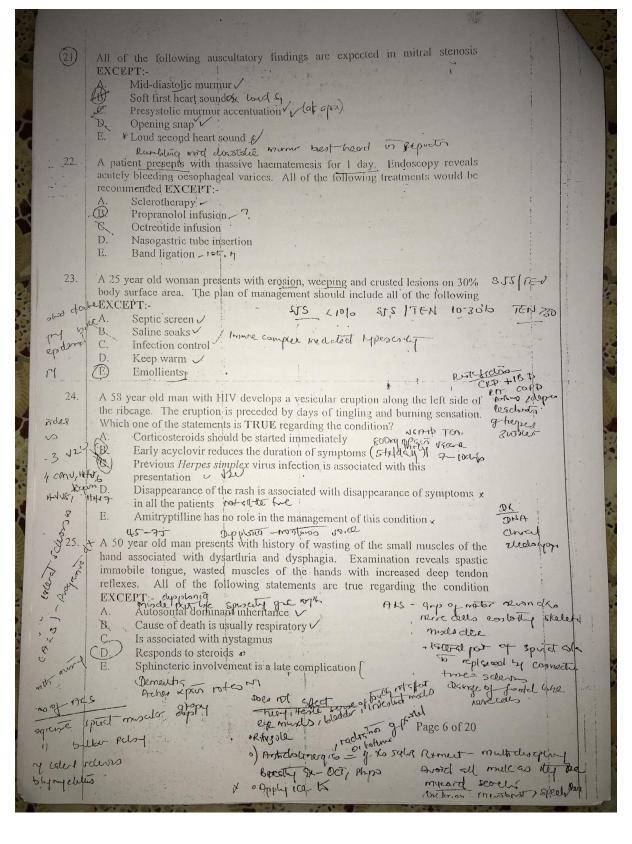


In a patient with anarsaca, 24-hour albumin excretion of 8g and normal glomerular filtration (GFR), the following complications are expected EXCEPT: - 1/2 re konfin redemon Hypercoagulability and pass tout Wepoto spector C. D. Susceptibility to infections & He hypocymmique (E) Hyponatremia 🍇 1141 = DM A 60 year old man presents to his doctor for a medical check. He is found to have a random blood sugar (RBS) of 7mmol/L. An oral glucose tolerance test (OGTT) done showed fasting blood glucose of 6.2 mmol/L, 2 hour post glucose load of 14.4 mmol/l. Which of the following statements is TRUE regarding this patient? He has diabetes mellitus 9, ... He has impaired glucose tolerance frequent of the He has metabolic syndrome to cust he has metabolic syndrome to customer to the has metabolic syndrome to customer to c B. Impred ghose He should have fasting lipid assay to determine the diagnosis | > > > = Another OGTT should be done in 6 months to determine his diagnostic Control airlocent frost 9001Bp 8.1 A 22 year old man presents to the emergency department with a 3 day history of Teel Tay fever, cough and pleuritic chest pain. His temperature is 39°C, pulse rate is 110 beats/min and respiratory rate is 26 beats/min. Chest radiograph reveals an V Hibiopacity in the right lower lung zone. Which of the following is the MOST common cause of the condition? A. Candida albicans B. Pseudomonas åeruginosa C. Mycoplasma pneumoniae D. Staphylococcus aureus (E) Streptococcus pneumoniae A 12 year old boy develops migratory joint pain involving large joints 2 weeks after a sore throat. He has a tachycardia of 110 beats/min, and a systolic murmur at the apex. Which of the following statements is TRUE concerning his clinical presentation? The micro-organism causing the sore throat is likely to be Staphylococcus Bix Blood cultures usually yield the offending organism F (C.) The heart involvement is usually pancarditis D. Erythema nodosum is expected Shortened PR interval is found on the electrocardiogram (ECG) E. probugged A 20 year old man presents with 3 months history of bloody mucoid diarrhea. 10. Colonoscopy shows diffuse erythema and ulcerations in the entire colon and patchy ulceration in the terminal ileum. The MOST likely diagnosis is:-Crohn's disease B. C. Amoebic colitis D. Shigellosis Tuberculous enteritis back wash iteits Page 3 of 20

11.	A patient presents with oral lesions for I month. He has flaccid vesicles and
	bullae on the trunk and limbs. Nikolsky sign is positive. The MOST likely
	diagnosis is:-
	A. Erythema multiforme major (flutt) ery timber it by they are multiple for
Live .	B. Mucous membrane pemphigoid
is all I -	C. Bullous pemphigoid- iene bulbos wie on flowe cress
×	D. Pemphique foliaceous a Gold constel leven
	Pemphigus vulgaris co- The heart massed trong whitel
10	posternal Albrevine, central des
12.	The system of than with history of HIV disease presents with a history of chronic
	headache. Neurological examination is normal. CT scan reveals a contrast
	enhancing ring lesion on the left parietal lobe. The MOST appropriate approach would be:- Total
	A. Biopsy the lesion
	B. Start patient on steroids
	C. Start patient on empirical antibiotics
	D. Start patient on empirical anti-toxoplasmosis treatment - Gametine + 3rd placker
	E. Start patient on intravenous acyclovir
13.	The following are the results of cerebrospinal fluid (CSF) obtained from a 40 year
	old man with meningitis
	• Protein 100g/1 45-1(d)
	• Glucose 1mmol/l
	• White cell count 2000 cells/μl, predominantly lymphocytes
	• Gram stain negative
	These findings are compatible with:- A. Pyogenic meningitis
	B. Viral meningitis
	(C) Tuberculous meningitis
	D. Sarcoidosis
	E. Cryptococcal meningitis
14.	Which one of the following is the MOST important attribute necessary for a
	screening test?
	A. Sensitivity 2 Influence
	b. opecinicity
	C. Positive predictive value (PPV) Negative predictive value (NPV)
	E. Receiver-operator curve (ROC)
	Tecorror operator darve (NOC)
15.	All of the following statements regarding Plasmodium falciparum are true
	EXCEPT:-
	A It causes more severe disease in pregnancy
	R It is associated with recurrent relapses after effective initial treatment
	C. It is the only malarial parasite causing greater than 20% parasitemia
	D. Infection is associated with thrombocytopenia
	E. It is the only cause of cerebral malaria.

16,	All of the following are diagnostic criteria for polymyositis EXCEPT: Elevated creatine kinase B. Proximal muscle weakness C. Myopathic electromyogram (EMG) D. Typical changes on muscle biopsy Heliotrope rash
17.	A 13 year old boy presents with long-standing mild jaundice, moderate pallor and moderate splenomegaly. The MOST likely diagnosis is: A. Sickle cell anaemia B. Non-Hodgkin's lymphoma β-thalassaemia D. Chronic myeloid leukemia E. Myelofibrosis
18.	A 56 year old man presents with severe low back pain, lumbar spine tenderness and general illhealth. He has pallor and mild ankle oedema. Investigations show haemoglobin 6g/dl, MCV 80fl, ESR 1 lummHr serum albumin 30g/t, total protein 130g/l. Xrays show compression fracture L3 to L5 and osteolytic lesions in the pelvic bones. Common causes of renal failure in this condition include all the following EXCEPT: A Neurogenic bladder B. Hypercalcemia C. Hyperuricemia D. Proteinuria Parapoten E. Hyperparathyroidism
19.	A 28 year old woman is followed up for thyrotoxicosis. She is on antithyroid medication. Which one of the following clinical parameters will closely reflect her thyroid hormone status? A. Emotional variability (moods) (B. Menstrual patterns D. Palpitations D. Sleep patterns E. Weight
29/	All of the following interventions are beneficial in the management of patients with chronic obstructive airway disease (COPD) EXCEPT:- A. Pneumococcal vaccination B. Ceasation of smoking C. Short acting bronchodilators. D. Inhaled anticholinergics High tension oxygen therapy

Page 5 of 20

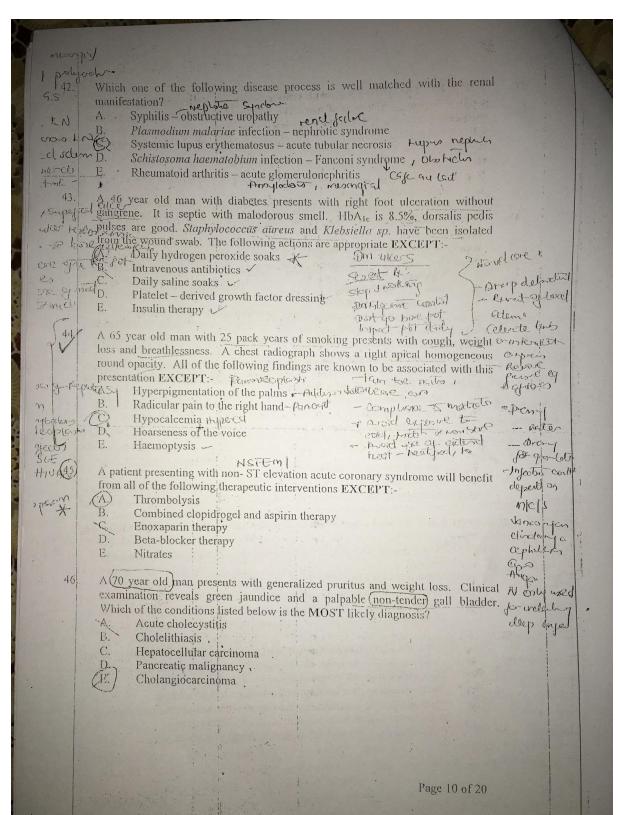


*	-0.	Tou notice in the locker room one of your colleagues injecting himself with	
		petitione. What would be your MOST appropriate actions? (2)	
	1	Report to the supervisor	
		Counsel your colleague yourself	
		C. Pretend you did not see him	
		D. Ask your senior colleague to talk to him	
		E. Report him to the director of the hospital	
		E. Report him to the director of the hospital	
	27.	A 28 years all	
		A 28 year old man presents with painful micturition and a purulent urethral	
1		discharge for 2 days. Which one of the following is NOT an appropriate drug for	
		his treatment of optorgen bong	
		a. Ciprottoxacin puroprobne Sperid BD	
		B Ceftriaxone 200 mg lm	
		D. Azithromycin – 20 GD2 Azil	
			2
		E. Doxycycline -2 comp der divided of day popo ino-20 1dy paron	٤
	28.	Which one of the following is NOT a feeting of the	Ķ
Conplica	7	A Anxiety	
		B Fatigues Pro-young & Medde	
Milider		Which one of the following is NOT a feature of fibromyalgia? durater of curvo under A. Anxiety B. Fatigue Third know of the following is NOT a feature of fibromyalgia? durater of curvo under of the following is NOT a feature of fibromyalgia? durater of curvo under of the following is NOT a feature of the fibromyalgia? Third the following is NOT a feature of fibromyalgia? durater of the fibromyalgia? Third the following is NOT a feature of fibromyalgia? durater of the fibromyalgia? Third the following is NOT a feature of fibromyalgia? durater of the fibromyalgia? Anxiety B. Fatigue Third the following is NOT a feature of fibromyalgia? durater of the fibromyalgia? durater of the fibromyalgia? durater of the fibromyalgia?	
oppla	حارطها	Irritable bowel syndrome (IBS) Scleritis Scleritis	
daper	horas	E. Sleep disturbance Poly rycupe the mole: between	
Sico	neu	E. Sleep disturbance toly ryclys thermore but	8
obeie	100		
motelar	129.	A 30 year old man presents with general body weakness. Dhygiagl area: '	2
metable	so app	partor that kononychia. Which one of the following is the MOCT	2
		A Presence of Association to the state of th	
		B. Presence of Taenia saginata ova in his stool	
		C Increased faecal stercobilinogen	
		(8)	
		Reduced total iron binding	
		E. Reduced total iron binding capacity (TIBC) Ticel	
	30.		
	50.	Which one of the following renal disease is well matched to renal imaging	Ē
		omorno pycioniconinus – enjarged globulos leid	
		D. HIV nephropathy – bilateral small scarred kidneys E. Acute tubular perposis – dilated colored Normal	ĕ
		E. Acute tubular necrosis – dilated calyces. — No frdys	ı
		differences that the following	ľ
	31.	The metabolic works	ŀ
		The metabolic syndrome is defined by the presence of all the following	ı
		Abdominal obesity Showed deposito and the following	ı
		A Abdominal obesity strongly stopping and the common related for the B. Hypertension father Little for the common related for the common	А
		Hypertension Turk	П
		Then high-density lipoprotein (HDI) aboles the Charles	ı
1		D. Hypertriglyceridemia	
		E. Impaired glucose tolerance typerqueene put 1 xents	
		Hiper TGs Reto	
		VIH 01	
		Page 7 of 20	
1		Ald Obesity	
		chest per pt sop	
		throuten	

B. Low CD ₄ count 7 C. Elevated lactate dehydrogenase(LDH) in blood 7 7 2 20 H/L B. Marked hypoxia on arterial blood gas analysis 7 E. Butterfly appearance on chest radiograph 7	
A 65 year old man complains of palpitations. ECG shows irregular QRS complexes with absent P-waves. The diagnosis is: Atrial flutter and Hoolean Atrial ectopics Atrial fibrillation D. Heart block PR Prologed Morlety PR 13418 or URS arguer QRS E. Ventricular fibrillation.	t.
A 25 year old man is diagnosed with chronic hepatitis B infection. He has high hepatitis B virus (HBV) DNA at 100 million IU/ml. All of the following investigations would be required before initiation of treatment EXCEPT: Liver function tests (LFT)	
B. Hepatitis B e antigen (HBeAg) test recent rector C. Hepatitis B core antigen (HBcAg) test curent rector D. Hepatitis C virus sereen Thyroid function tests (TFTs)	
35. A 30 year old man presents with scaly papules and plaques. The differential diagnoses include all the following EXCEPT: A. Lichen planus B. Psoriasis vulgaris C. Discoid dermatitis D. Pityriasis rosea Hypoproperated by three colleges deports Morphoea - located scaterdame stand by three colleges deports 36. A HIV positive woman has generalized cervical lympadenopathy. Fine needle	
aspiration (FNA) cytology confirms tuberculous adenitis. Her CD ₄ count is 60 cells/ul. She is started on antituberclous treatment and HAART simultaneously. 4 weeks later she develops fever and increasing enlargement of the lymph nodes. Which one of the following would be the CORRECT approach to her management?	
A. Stop the anti-tuberculous therapy B. Stop the anti-retrowiral therapy Confine only, if the ibritaly Start on prednisone immediately long lkg but D. Add a broad spectrum antibiotic E. Give an antipyretic and continue therapy	

Page 8 of 20

A 60 year old hypertensive and diabetic man who has previously been well is found in the morning with weakness of the right side. He is rushed to the hospital where he arrives in 1 hour. Computerized tomography (CT) scan of the head reveals an infarct. Which of the following would be the MOST effective treatment? A. Aspirin B. Clopidogrel Atorvastatin Intravenous tissue plasminogen activator (TPA) . West Which of the following deficiency is found in patients with terminal ileum Not Tamplet disease? Calcium Iron - Dus derum Folic acid - lefenym Tryptophan Cobalamin - 14-B12 thelite huderate or textitor A 41 year old man admitted for management of heart failure develops a cough, chest pain and fever after 1 week in the hospital. Which one of the following (to solve pt antibiotics is the BEST empiric choice? MAP Rejapiny or B Amoxicillin - clayulanic acid Clarithromycin Mefrecty mr. C.)+ GEM - Sod Ger Cep many goods Cestazidime - 3rd Cefuroxime - 2-nd exidented t Deporter Flucloxacillin b. ladim theoprobre - antiprecional A 43 year old man presents with 8 week history of symmetrical joint pain and swelling involving the metacarpal-phalangeal (MCP) metatarsal - phalangeal Deprifere of m (MTP) and proximal interphalangeal (PIP) joints. Symptoms are worse in the Strongest elythe morning and last for I hour. Which one of the following statements is TRUE of Renet The done cleathis condition?
Analytical Analytical anti-inflammatory drugs (NSAIDS) are the first line of Adyreh attisten all accel redo B. & Chrs Extra-articular manifestations is not a feature P G mp bores C. Radiological investigation is required for the diagnosis of clinical Disease modifying therapy should be instituted immediately Aroid NEAVED (D. 010 Biologic agents have no role in its management f laftermels, 14-6, MM In a 60 year old man with multiple myeloma and a fracture of the right femur, color the which one of the following is the MOST appropriate approach to management? Start melphalan and radiotherapy nelymint gente · Va Start melphalan then refer for bone marrow transplantation Pleningony Marys Start analgesics, internally fix the fracture then administer radiotherapy boys medan D. Administer radiotherapy then internally fix the fracture esed a North Months Start neoadjuvant thalidomide then internally fix the fracture. Ted co) hypersionally be of hed Paran पेसल दवदा and pen a hyperesteens inhist to orb almerel form Sydere Spentil clothy for 09620 Ad new opel 1 Potes Page 9 of 20 depot as som on Ch



47	A 20 year old patient presents with pruritic lesions on the neck, antecubital and populitieal fossage since 2 year of age. The lesions are lichenified, excoriated and crusted patches. The MOST likely diagnosis is: A topic dermatitis B. Seborthoeic dermatitis C. Allergic contact dermatitis C. Allergic contact dermatitis D. Nummular dermatitis Dyshidrotic dermatitis Dyshidrotic dermatitis
48.	In a HIV positive patient with cryptococcal meningitis and CD4 count of 40 cells/uL, which one of the following approaches would be the MOST appropriate?
	A. Amphotericin B plus fluconazole for 2 weeks, serial lumbar punctures and HAART initiation at 2 weeks
	B. HAART and amphotericin B plus fluconazole initiation simultaneously, serial lumbar punctures
	C. HAART for 2 weeks followed by amphoteric in B plus fluconazole, serial lumbar punctures.
	Amphoterian B plus fluconazole for 2 weeks, serial lumbar punctures; then fluconazole. HAART initiation after 5 weeks
	HAART for 5 weeks; serial lumbar punctures. Initiation of amphotericin B plus fluconazole after 5 weeks.
49	A 40 year old alcoholic goes to bed and wakes up in the morning with a wrist drop. The MOST likely nerve injury is? A. Radial nerve B. Ulnar nerve C. Musculocutaneous nerve D. Median nerve E. Axillary nerve
50	A 28 year old man presents with pain and swelling of his left leg 3 days after a thorn prick. Which one of the following antibiotics is the BEST empiric choice? A. Ciprofloxacin B. Clarithromycin C. Metronidazole Amoxicillin – clavulanic acid E. Nitrofurantoin
51	All of the following statements are true regarding gout EXCEPT:- A. The 1 st metatarsal -phalangeal joint is commonly involved B. Renal failure is a known complication It can present with extra-articular manifestations D. It is common in pre-menopausal women E. It results form monourate sodium deposition

Which one of the following is TRUE regarding chronic mycloid leukemia It is almost exclusively a disease of children Leucocyte alkaline phosphatase (LAP) score is reduced Lymphadenopathy is common in the stable state Autosplenectomy occurs V Spontaneous fractures tend to occur Which one of the following conditions is associated with dilutional hyponatraemia? Congestive heart failure Acute tubular necrosis C. Gastroenteritis D. Hypothyroidism E. Hypercholesterolaemia A 36 year old man with longstanding bronchial asthma has been on prednisolone 30mg/day for several years. Now he has cushingoid features. The other findings expected in this patient include all of the following EXCEPT:-Systemic hypertension B. Bone pains C. ✓ Normal libido D. Agitated behaviour Raised intra-ocular pressures All of the following are danger signs in status asthmaticus EXCEPT:--2 wient clast A. Pulse rate of 115 beats/min = B. / Inability to complete sentences - I raspertant C. / Respiratory rate of 36 breaths/min >25 blain abnormal LBP. D. A Inability to perform peak flow measurements [50%] E. Blood pressure of 90/60 mm Hg granes phalariol (56. All of the following pharmacotherapies have been shown to prolong survival in patients with non-valvular heart failure EXCEPT:-Spironolactone A. Carvedilol B- Women B. Angiotensin converting enzyme inhibitors (ACE I) C. D. Angiotensin receptor blockers (ARB) E. Loop diuretics A 35 year old man presents with heartburn and a feeling of regurgitation after meals. He frequently clears his throat while talking. Upper gastrointestinal tract (GIT) endoscopy is reported as normal. This condition is associated with all of the following features EXCEPT:-Poor quality of life B. Increased incidence of malignancy C. Barrett's oesophagus D. Recurrent bronchospasin Increased incidence of Helicobacter pylori 175 Page 12 of 20

- 58. A 15 year old boy presents with insidious onset of pruritic eruption on the interdigital clefts, flexor aspects on the wrists and gluteal cleft. The lesions comprise of papules, vesicles, pustules and burrows. The MOST likely diagnosis is:-
 - A. Larval migrans
 - B. Papular urticaria
 - Urticaria pigmentosa
 - D. Scabies
 - E. Dermatitis herpetiformis
- 59. A 34 year old HIV positive man presents with a 3 week history of severe headaches and photophobia. His CD₄ count is 36 cells /μ1. He further reports that 2 months back, he had similar headaches, was admitted and given 2 weeks of amphotericin B for confirmed "fungal meningitis". He did not go for follow-up after discharge. What is the MOST useful test to confirm the diagnosis now?
 - A. Cerebrospinal (CSF) cryptococcal antigen (CRAG) test
 - B. Serum CRAG test
 - C India ink in CSF
 - D. CSF fungal culture
 - E. CSF protein level
- 60. A 30 year old woman presents with a 2 week history of progressive weakness. She has found it difficult to rise from a sitting position and comb her hair Examination reveals normal deep tendor reflexes and sensory modalities. All of the following statements are true regarding her illness EXCEPT:-
 - A. It responds to steroids
 - B. It is associated with elevated muscle enzymes
 - C. It is associated with acetylcholine receptor antibodies
 - D. It is associated with malignancies
 - E. Dysphagia occurs
- 61. A 60 year old man presents with a 1 day history of headache, fever and neck stiffness. Which one of the following organisms is NOT likely to cause this presentation?
 - A. Streptococcus pneumoniae
 - B. Group A β-hemolytic Streptococcus.
 - C. Haemophilus influenzae
 - D. Neisseria meningitidis
 - E. Listeria monocytogenes .
- 62. All of the following indicators are useful in evaluating the success of treatment of rheumatoid arthritis EXCEPT:-
 - A. Tender joint count
 - B. Swollen joint count
 - C. Markers of inflammation
 - D. Number of deformed joints
 - Functional status of the patient

Steroid therapy is indicated in the following oncological emergencies EXCEPT; Superior vena cava obstruction Hypercalcemia Severe neutropenic sepsis Raised intracranial pressure Spinal cord compression A 35 year old man presents with nausea, voruiting and general malaise. He has been hypertensive for 5 years. Laboratory tests show:-Urinalysis - protein 3+, RBCs 2+; granular casts Serum K⁺ 5.4 mmol/L, Na⁺ - 128 mmo/L urea 28mmol/L creatinine 837umol/L Renal ultrasound - bilateral contracted kidneys Right = 6.2 x 3.8 cm, Left = 6.32 x 3.3 cm Which of the following statements is TRUE? This is acute kidney injury secondary to volume depletion A. This is acute glomerulonephritis B. C. Renal biopsy should be performed D. Patient requires longterm dialysis Patient has hypertensive glomerulosclerosis 65! All of the following are rational combinations of oral glucose lowering medications EXCEPT:-Metformin/Arcabose/Glimepiride A. Metformin/Repaglinide/Linaglipting B. C. Metformin/Insulin D. Chlorpropamide/Insulin Metformin/Linagliptin/Insulin A 60 year old male has a 20 pack-year history of cigarette smoking. He presents with a productive cough and shortness of breath especially on cold days and associated chest tightness and wheezing. The MOST likely diagnosis is:-Bi Chronic obstructive pulmonary disease (COPD) C. Heart failure D. Anxiety attack Pneumonia An elderly female who is being nursed in hospital for dense hemiplegia from a cerebrovascular accident is suddenly diaphoretic and dyspnoeic. On examination, she is cold, sweaty and tachypnocic. Her radial pulse is weak and feeble. The electrocardiogram (ECG) is significant only for sinus tachycardia. All of the following investigations are useful in establishing the diagnosis EXCEPT:-Cardiac troponin assay B. D-dimer assay Computerized tomography (CT)-pulmonary angiography C. Blood sugar analysis Chest radiograph Page 14 of 20

- 68. All of the following statements regarding irritable bowel syndrome (IBS) are true EXCEPT:-Presents with increased loose watery stools B. Diarrhoea often occurs at night C. The stool never contains blood D. Constipation is sometimes the predominant symptom?
- 69. AIDS-defining mucocutaneous disorders include all of the following EXCEPT:-

Abdominal pain is often relieved by defecation

- A. Oesophageal candidiasis
- Kaposi's sarcoma B.
- C. Cutaneous cryptococcosis '
- D. Herpes simplex ulcers
- E. Pyoderma gangrenosum
- 70. A 26 year old woman presents with a 2 week history of change in speech and a tongue that deviates to the right side on protrusion. Which cranial nerve is involved?
 - A. Right glossopharyngeal
 - B. Left glossopharyngeal-
 - C. Right hypoglossal
 - R. Left hypoglossal
 - Left vagus E.
- A 26 year old woman presents with history of chronic cough. She reports that she was on treatment for tuberculosis which she stopped 3 weeks prior after having taken it for 25 days. Which one of the following is NOT appropriate in the approach to her management?
 - Restart anti-tuberculous treatment with rifampicin, isoniazid, pyrazinamide and ethambutol
 - Restart anti-tuberculous treatment with rifampicin, isoniazid, B. pyrazinamide, ethambutol and streptomycin
 - E. Send sputum for acid fast bacilli staining
 - Send sputum for genexpert MTB/RIF D.
 - Apply directly observed therapy
- A 13 year old boy presents with a 2 day history of fever, right knee pain and 72. swelling. There were no precipitants to this illness. Which one of the following statements is TRUE regarding this condition?
 - Intra-articular steroids are useful in the management A.
 - Analgesis, oral antibiotics and bedrest is the gold standard in the B.
 - Antibiotics should be withheld until results of the gram stain are obtained C.
 - Intra-articular antibiotics are useful D.
 - Needle aspiration and drainage of the joint is warranted

A middle-aged man is reviewed in the outpatient clinic with complaints of abdominal swelling for several weeks. Physical examination reveals splenomegaly extending 10 cm below the costal margin. All of the following are likely causes EXCEPT:-Chronic myeloid leukemia Miliary tuberculosis E Myelofibrosis D. Visceral leishmaniasis Hyper-reactive malarial splenomegaly (HMS) Which one of the following statements is TRUE concerning urinary tract infections? A. Staphylococcus aureus is the commonest organism among sicklers В. Proteus spp. infection is associated with calculi C., Treatment of Candida infections predisposes one to bacterial infections D. Haematogenous route of infection is the commonest origin In men, infections are usually associated with sexual intercourse All of the following are established risk factors for diabetic foot ulcer disease EXCEPT:-Diabetic cardiomyopathy Chronic kidney disease stage 3 and higher Macular eye disease Peripheral neuropathy Claw-toe deformity Which one of the following is NOT a recognized risk factor for the development of deep venous thrombosis? Hormonal contraceptive therapy Protein C deficiency B. C. Heart failure D. Anti-phospholipid syndrome Hypertension Which of the following is NOT a cause of constipation? Hypocalcemia . Hypothyroidism Aluminium containing antacids Cerebrovascular accidents Atorvastatin All of the following are risk factors for haemorrhagic stroke EXCEPT:-Cocaine use Cigarette smoking Amyloid angiopathy Aneurysm Warfarin use

- A tourist suffered a bout of watery diarrhoea which became mucoid and blood stained. He had fever and developed severe joint pains a few weeks later. Rheumatoid factor was negative. All of the following statements are true regarding the disease EXCEPT:-
 - Shigella flexneri is the causative organism
 - There is high circulating bacterial antigen C. Culture of Neisseria gonorrhoea will be obtained from joint aspirate
 - D. It is associated with HLA B27 genotype
 - It is associated with serum leucocytosis
- 80. A 45 year old woman with a diagnosis of rheumatoid arthritis has been on methotrexate and prednisone for 2 years. Which one of the following complications is NOT likely to be due to her chronic steroid use?
 - Cataract formation
 - B. Peptic ulcer disease
 - Diabetis mellitus
 - Liver disease D.
 - E. Hypertension
- A strict vegetarian presents with general malaise, exertional dyspnoea and pallor, 81. Peripheral blood film shows segmented neutrophils and the mean corpuscular volume (MCV) is 110fl. Which one of the following statements is TRUE?
 - Gum hypertrophy occurs
 - Serum ferritin levels are low B
 - Bone marrow Prussian blue stain is negative C.
 - D. Paraesthesias are common
 - E. Condition is invariably fatal
- A 30 year old man has just been diagnosed with HIV. He presents to the clinic 82. with complaints of unintentional weight loss despite a good appetite. His initial weight was 70Kg. He has lost 8 Kg over the past 3 months. Physical exam reveals generalized lymphadenopathy. What is his current WHO stage?
 - A. Stage 0
 - B Stage 1
 - C. Stage 2
 - D. Stage 3
 - E. Stage 4
- A 28 year old woman presents with goitre. Thyroid profile showed TSH = 0.000m Iu/L, FT4 = 30ng/L, FT3 = 12 pmoL/L. Ultrasound showed a thyroid nodule in the right lobe, the rest had normal echodensity. Which of the following treatments is LEAST appropriate for her?
 - A. Propranolol
 - B. Propylthiouracil
 - C. Lugol's iodine
 - D. Methylprednisolone
 - E. Surgery

Which of the following conditions is NOT a recognized cause of cardiogenic syncope? Pulmonary embolism B. Ventricular fibrillation Postural hypotension C. D. First degree heart block E. Third degree hear block A 45 year old man with liver cirrhosis and bleeding tendencies and an otherwise 85. normal blood count comes to you for management. Which of the following is the MOST appropriate therapy? A. Tranexamic acid B Platelet infusion C. Whole blood transfusion D. Transfusion of packed cells E. Vitamin K Which of the following drugs is LEAST useful in myoclonic epilepsy? 86 Ethosuximide B. Carbamazepine C. Sodium valproate D. Clonazepan E. Lamotrigine 87 ប្រា Modifiable risk factors for osteoarthritis include all of the following EXCEPT:-A. Age В. Race C. Female gender J. Obesity E. Prior inflammatory joint disease 88. Which one of the following is NOT a risk factor for hepatocellular carcinoma? Heavy alcohol consumption Exposure to aflatoxins Hepatitis A virus, Hepatitis B virus Hepatis C virus Which one of the following statements is TRUE regarding diabetic 89 nephropathy? Stage 2 is characterized by microalbuminuria B. Hyperfiltration is only evident in late stages C. The microalbuminuria stage is potentially reversible Microalbuminuria precedes the glomerular structural changes D. Stage 4 patients need to be started on dialysis

Page 18 of 20

90. All of the following are evidence - based therapeutic lifestyle changes in the control of systemic arterial hypertension EXCEPT:-Moderation of alcohol ingestion B. Reduced dietary salt ingestion 8 Lower dietery potașsium intake Stress management E. Regular aerobic exercise A 30 year old pregnant woman is found to be hepatitis B surface antigen (HBs Ag) positive. She is concerned about transmitting the virus to her unborn infant. Which of the following factors is MOST useful in determining the risk of transmission?

Hepatitis B e antigen (HBeAg) status

- B. Hepatitis B core immunoglobulin G (HBcIgG) status
- C. Alanine aminotransferase (ALT) 23Iu/L
- D. Her alcohol history
- E. Aspartate aminotransferase (AST)/ALT ratio >2
- 92. A 38 year old woman presents with a 1 month history of bilateral numbness of the lower limbs. Examination is notable for reduced vibration sense and reduced ankle reflexes. All of the following tests are useful in this patient EXCEPT:-
 - Serum sodium
 - B. Serum creatinine
 - Thyroid stimulating hormone C.
 - D. Glycosylated haemoglobin
 - (E) Haemoglobin level
- A 25 year old woman presents with gradual skin tightening involving the hands 93. and face. She also has first degree heart block on the ECG and reflux oesophagitis Which one of the following statements is TRUE regarding this condition?
 - It is commoner in males compared to females
 - It is easily amenable to treatment B
 - C Raynaud's phenomenon is an invariable feature
 - D: It has no renal manifestations
 - E. It is usually an indolent disease
- A 16 year old girl has bilateral haemathrosis of elbow joints. She has a fluctuant 94. right knee that is tender. She is bleed from a venepuncture site for the past 24 hours. Which one of the following is the MOST likely diagnosis?
 - A. Classical hemophilia
 - B. Christmas disease
 - E Von Willebrand's disease
 - Disseminated intravascular coagulopathy (DIC) D.
 - E. Protein C deficiency
- All of the following are features of minimal change 95. glomerulonephritis EXCEPT:-
 - Heavy proteinuria
 - B. Hypertension
 - Cy Corticosteroid responsiveness
 - Lack of active sediment in urine D.
 - E. Hypercholesterolemia

- 96. A 20 year old woman presents with a history of sudden onset of confusion. This is followed by a severe episode of generalized tonic-clonic scizure. Before the onset of the seizure, she had reported a funny small. Examination reveals a temperature of 38°C, confusional state with no evidence of meningeal irritation. Which of the following would be the MOST effective treatment in this condition?
 - A. Acyclovir
 - B. Gancyclovir
 - C. Anti-tuberculous treatment
 - High dose steroids
 - Ceftriaxone with vancomycin
- Low voltages on a 12-lead ECG occur in all the following conditions EXCEPT:-
 - Amyloid heart.
 - B. Chronic obstructive pulmonary disease (COPD)
 - Pericarditis
 - D. Obesity
 - E. Pericardial effusion
- A 22 year old man presents with a 6-month history of left upper quadrant 98 discomfort and early satiety. 2 days prior to presentation, he developed priapism. Abdominal exam revealed splenomegaly 12 cm below left costal margin. White blood cell count (WBC) is 279x109/L, hacmoglobin is 9.4g/dL and platelets 702 x 10°/L. What is the MOST appropriate next investigation to confirm the diagnosis?
 - Abdominal ultrasound scan A.
 - B. Erythropoietin level
 - C. Haemoglobin electrophoresis
 - D. Bone marrow evaluation
 - E. Peripheral blood film
- Which one of the following statements is TRUE regarding ascites in liver 99 disease?
 - Thiazides are the diuretics of choice A.
 - Malignant ascites responds well to diuretic therapy B.
 - C. Portal hypertension is a rare cause /
 - D. Aldosterone antagonists are the preferred diuretics
 - Infectious aetiology is uncommony
- A 20 year old woman at 20 weeks gestation presents to the emergency department (1.00)with dyspnoea class III. On examination, she has a regular pulse rate of 90 beats/min, a non-displaced apex with apical mid-diastolic rumbling murmur with loud first heart sound. Which of the following is the MOST appropriate emergency therapeutic intervention?
 - Furosemide therapy
 - Termination of pregnancy B.
 - C. Digoxin therapy
 - Angiotensin converting enzyme inhibitor (ACEI) therapy
 - Beta blocker therapy E





Toise

Barokall

UNIVERSITY OF NAIROBI

UNIVERSITY EXAMINATIONS 2012/2013

68

MEDICINE AND BACHELOR OF SURGERY

HME 500: MEDICINE - MCQ

DATE: NOVEMBER 7, 2013

TIME: 9.00 A.M. - 12.00 NOON

INSTRUCTIONS:

- 1. There are 100 Questions in this Question paper. Ensure that your paper has all the questions.
- 2. An answer sheet is provided where all your answers should be appropriately marked as per instructions.
- 3. There is no negative marking for incorrect responses.
- 4. No mark will be given if more than one answer is marked in a single question
- 5. Write your index number on the answer sheet provided
- 6. The examination paper should be left in the examination room.

EXAMPLE ON CORRECT USE OF THE ANSWER SHEET:

- Which of the following is NOT appropriate while referring to someone of male gender?
 - (a) Boy
 - (b) Lad
 - (c) Mistress (correct answer)

He

(e) Master

ANSWER SHEET - MARKING

NO .	Á	·B	C	D	E
60					+
61			X		+
62					1
	60 61 62	NO A 60 61 62	NO A B 60 61 62	NO A B C 60 61 X 62	NO A B C D 60 61 X 62

The following are matched correctly except:-Treponema Pallidum / Syph (13. (a) Painless chancre 🗸 (b) Painful chancre V Haemophilus ducreyi Charcrold (c) Grouped vesicles V · Herpes simplex virus Juguinal Lymphadenopathy Chlamydia trachomatis wan phog s ordor Mycoplasma hominis (e) Prethral discharge Champaig A 20 yr old previously healthy man presents with a 2 day history of chest pain, dough productive of rusty sputum and fever. Which one of the following is least. precipitation Maintibles Telvary (Telvary () appropriate for his treatment? Amoxycillin/clavulinic acid Doxycycline - Tetracycline antiborna - treat premare & apper viss infanta

Azithromycin - ceghalosporin zva attracting Cathasia our

Ciprofloxacin - 61070 gminloont

Cefuroxime - Ciplalosporine A 64 year old man with diabetes mellitus presents with swelling and pain of his left foot. On examination, the foot is found to be swollen, warm, tender with Which one of the following is most appropriate for his treatment? Cloxacillin . Ciprofloxacin Amoxycillin/clavulanic acid -Benzyl penicillin ⊀ Clindamycin / An 18 year old female known to have rheumatic heart disease presents with chest pain and worsening heart failure. On examination she is found to have a new abrtid regurgitation murmur and mild splenomegaly. Which one of the following is an appropriate empiric choice of treatment for her? Auto's Suxocoxalist Crystalline penicillin only Sucandi, Derry PIG Ampicillin and levofloxacin Ampicillin and gentamicin MR 97 > Vanco + nicompros Gensami d'n Cefriaxone only . Ampicillin, gentamicin and vancomycin Bautoral endoarding: -Stann - Vareon general

5.	year old female currently on treatment with a course of clindamycir	
	develops profuse diarrhoea. Which one of the following is an appropriate choice of antibiotic for her treatment? — Pseudimentourous all this Collification of antibiotic for her treatment?	
1	of antibiotic for her treatment? - Pseu Army Marous as IMS (C. diffiak dis	OCOPA
ĺ	Rx. & metranizazile	Amm Cur
		ACTUBINA
ĺ		1 . 1
	Oral Metronidazole Considium Adors.	
	(c) Oral sulfamethoxazole trimethoprim	
1	(d) Continue oral dindamycin *	1
	The state annually of the	1 ,
	(e) Oral amoxicillin	1 (/x).
	- DA VM	4 Hpli age
6.	Which one of the following is not essential in the diagnosis of severe sepsis?	120
4	The state of the s	00
-	(a) Blood pressure < 90/60 mmHg	1212
	(b) Creatinine > 130 mmol/ml	WBC!
	TOO IIIIIIODIIII	
	Severe dehydrations -> tre fluid balance (substantial edema)	i
	(d) INR greater than normal Joivey fairne (aunu)	
/	(e) Confusion or delirium	i
V.	A 36 year old HIV positive female with a CD4 of 50 cells/ μ L presents with a one	
	month history of severe head-all with a one	1 1.1
	following are indicated in her treatment except:	
	C. C	1
	(a) Amphotericin B and Fluconazole	1
	(0) Amphoterisin B and Flucytosine	1
	Amphotericin B and Devamethoconov	
	(d) High dose Flocofiazole	!
	(e) High dose Fluconazole and Flucytosine	1 == 1.
/	11 000	
1.8/	A patient presents to the Accident and Emergency department with diplopia	ine /
	Which of the following is income and Emergency department with diplopia	117191
	Which of the following is inconsistent with a diagnosis of right 3 rd cranial nerve	1
	CQ n to the	
	(a) Inability to fully adduct the right eye	1
		. •
-	Inability to fully abduct the right ever Al	1 1
	Inability to fully abduct the right eye Apchicus:	1 9
	(e) Right eve resting in 'down and out?	
	(e) Right eye resting in 'down and out' position√	
10/	Following	
11/3/	Following an infarctive stroke, all the following medications are indicated alone	
	or in combination, except.	.
*		
	(a) Aspirin	
	(b) Clopidogrel	
	(c) Artovastatin	
	The state of the s	
-	Nimodipine - harmorrhagic Shrokes	
	Minodipine - harmorrhogic Shrokes	
	Marchan	
	Page 2 of 22	
	1 age 2 01 122	
		1
		1.

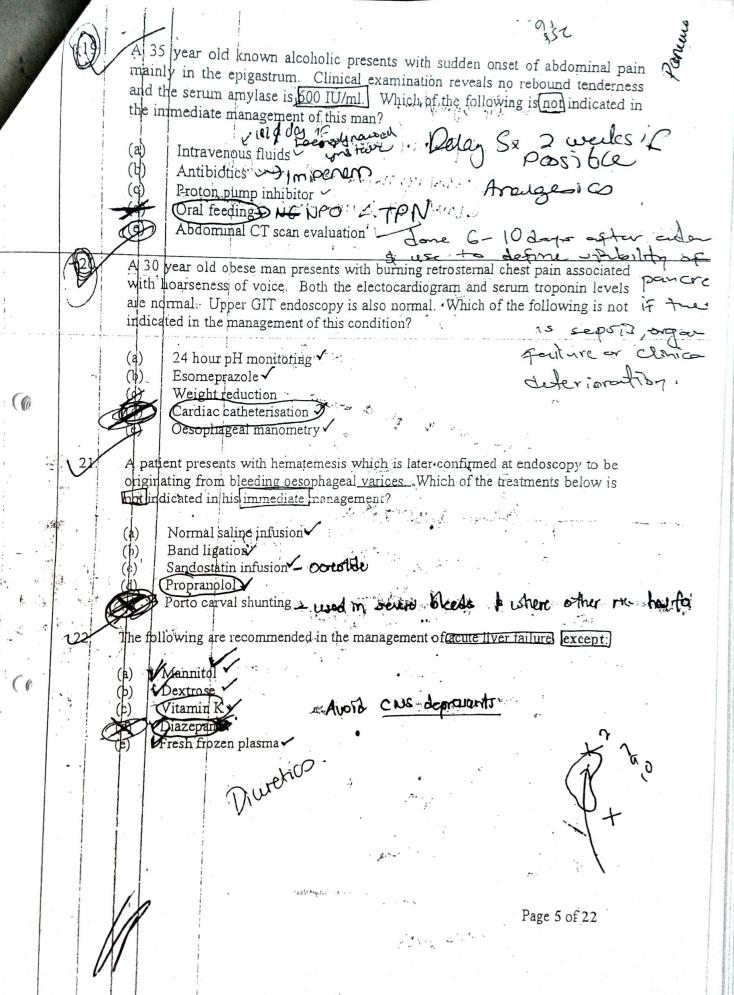
What finding in a patient with facial muscle weakness suggests a diagnosis Sparing of frontalis muscle Altered taste sensation History of preceding respiratory infection - auce o VIII go mumps. Unilateral involvement * Altered hearing on affected side & senithing to courd. In viral meningitis, the CSF glucose is always normal

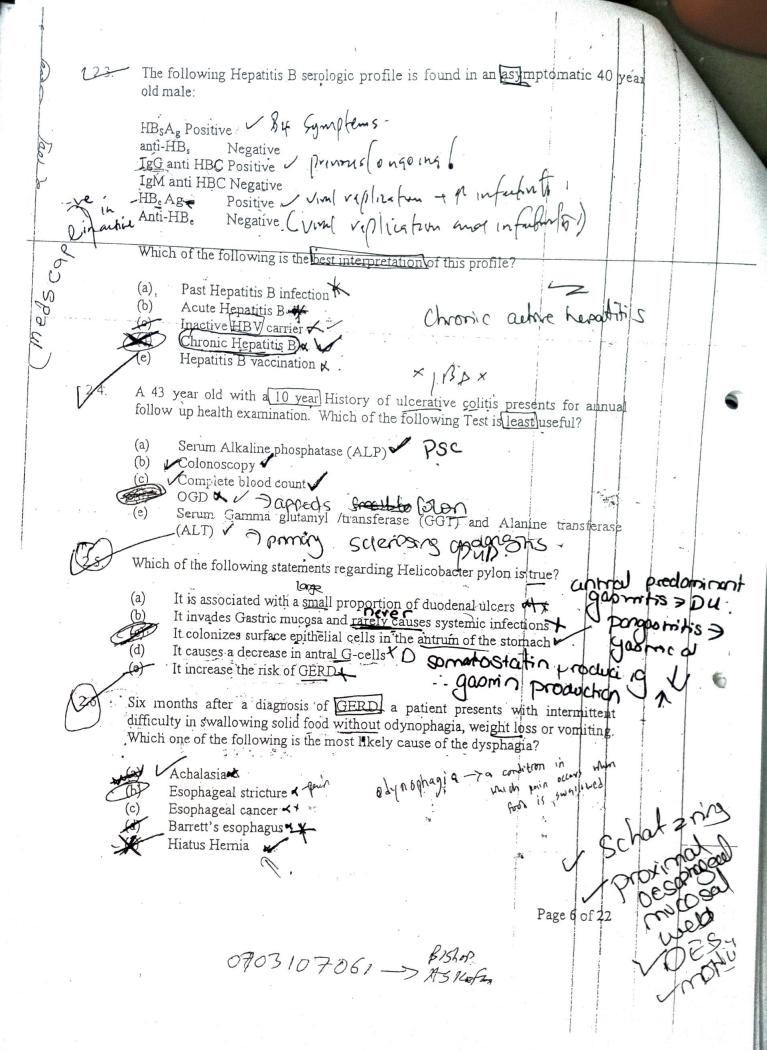
In tuberculosis meningitis, the CSF protein is

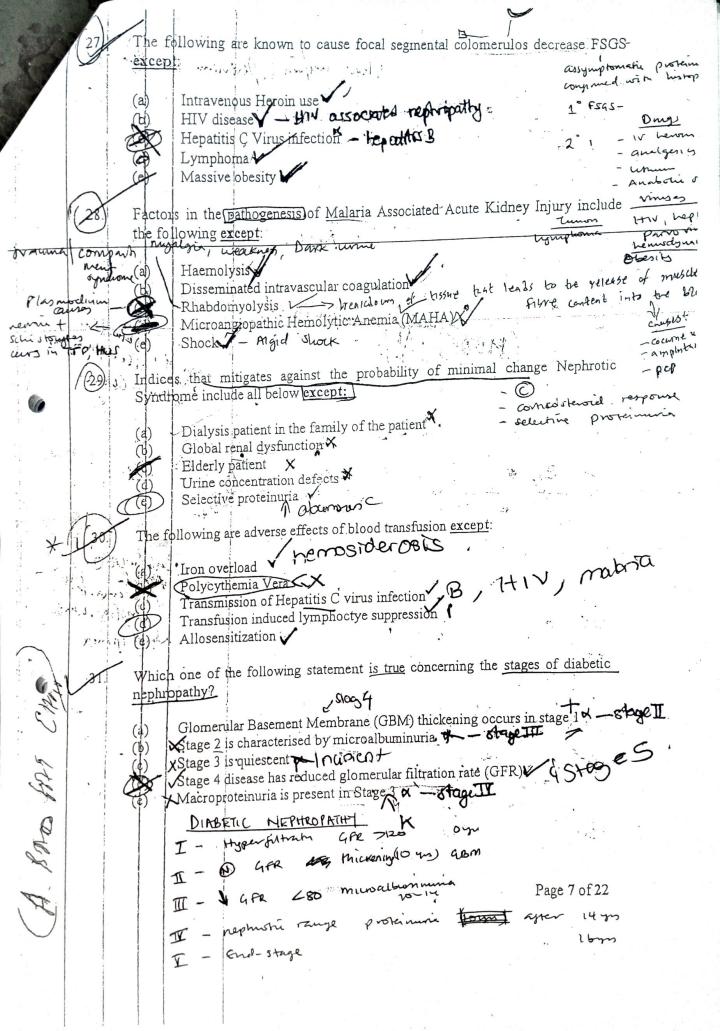
In listeria meningitis Regarding lumbar punctures, which is TRUE? In tuberculosis meningitis, the CSF protein is usually high the glue high prot In listeria meningitis, the CSF protein is usually normal of Cleaned In bacterial meningitis, the CSF glucose is usually normal & decreased. In sub-arachnoid hemmorhage, the CSF colour does not change K All the following are features of pellagra EXCEPT: Miacin By Dementia V 40. - Diarhoea - Dematites Macrocytosis Diarrhoea 4 Depression • Hyperpigmentation V - Death Which of the following is matched correctly in relation to deficiency and the resulting disorder? Calcium : Iodine deficiency - Anxiety V Torrows, 3
Fluoride deficiency - dysphagia Zinc deficiency - Reduced :-Zinc deficiency - Reduced immunity
Calcium deficiency - Goitre Indications for targeted viral load testing according to the Kenya National ART guidelines include all of the following EXCEPT: CD₄ counts lower than 100 after 12 months on ART HIV Fall of CD4 count to or below pre-ART level . Fall of CD4 count by 30% or more from on-treatment peak value Pruritic papular eruptions after 6 months on ART Recurrent WHO Stage 2 illness after 6 months on ART III OR T

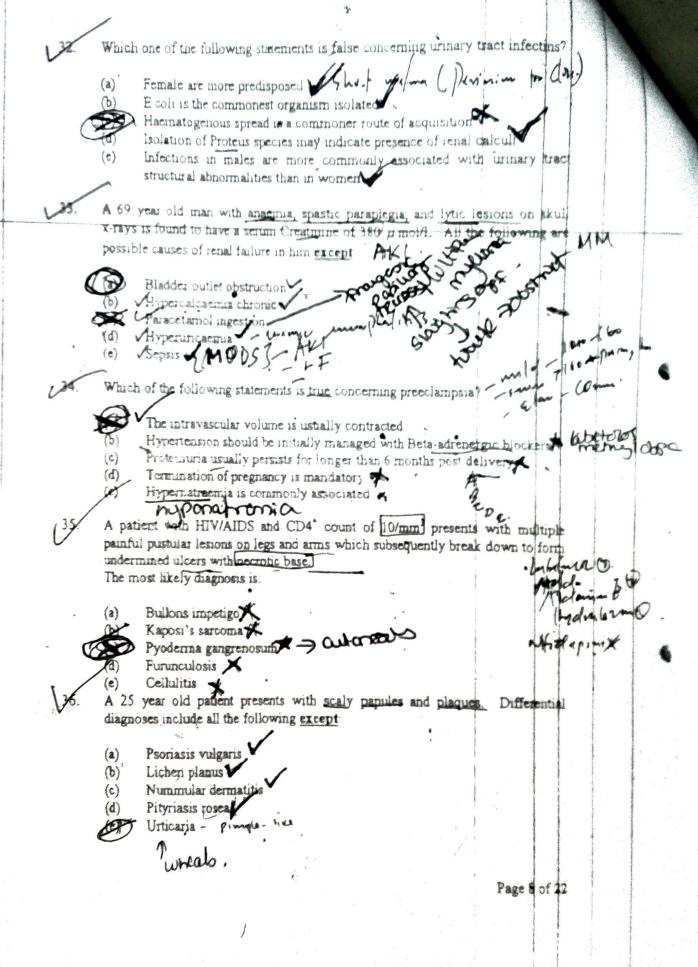
further tests rever	I in the medical ward with a diagnal that he is HBsAg positive and has been been made as well as the medical ward with a diagnal that he is HBsAg positive and has been supported by the medical ward with a diagnal that he was a support of the medical ward with a diagnal that he was a support of the medical ward with a diagnal that he was a support of the medical ward with a diagnal that he is HBsAg positive and has a support of the medical ward with a diagnal that he is HBsAg positive and has a support of the ward with a diagnal that he is HBsAg positive and has a support of the ward with a diagnal that he is HBsAg positive and has a support of the ward with a diagnal that he is HBsAg positive and has a support of the ward with a diagnal that he is HBsAg positive and has a support of the ward ward with a diagnal that he is HBsAg positive and has a support of the ward ward with a support of the ward ward ward ward ward ward ward ward	s an elevated alanine amino prescribe for Juma?	
(c) Tenofovir (d) Zidovudin	+ lamivudine + nevirapine + lamivudine + efavirenz + lamivudine + nevirapined + lamivudine + efavirenz + lamivudine + efavirenz + lamivudine + nevirapined + lamivudine + nevirapined	ne regimen	
was 63 kg and h	Commence of the second	appetite. His initial weight ths. Physical examination herpetic scar. What is his	
(a) Stage 0 (b) Stage 1 (c) Stage 2 (d) Stage 3 Stage 4	$\frac{7}{60} \times 100 = 100$	710/ - 57000	
infection 2 month	is with a 2 week history of headachers ago. Significant medical history in a sago with a baseline CD ₄ count of ART. Examination reveals left-sides:	ncludes a diagnosis of HIV	
(b) Cryptococ Progressiv Primary br	neningitis — ×100 cal meningitis — ×100 re multifocal leucoencephalopathy (Planin lymphoma — ×200	VIL)*	
except:	nan presents with chronic waterly I lead to a diagnosis of Crohn's disea	se include all the following Right that passe su appendicular	000
(b) 'Skip' ulce (c) Fistulae of (d) Anorectal	the gut the gut mucosatthe gut	comsol (M)	alte
Anconic Pyodema gonga Gyrenc a	In Gronn's all	<u> </u>	con o
1 Quenc e	100029M		

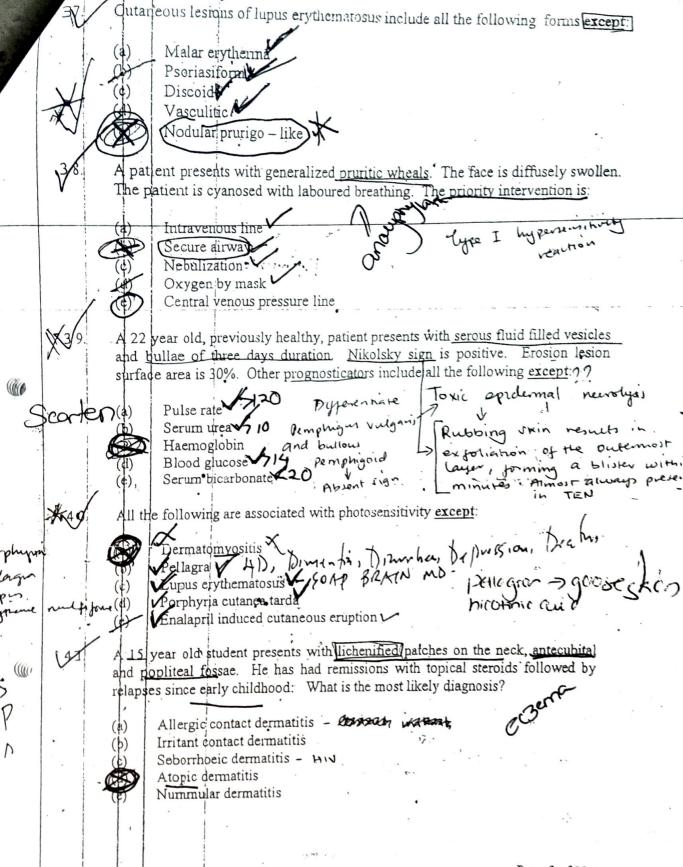
:7:









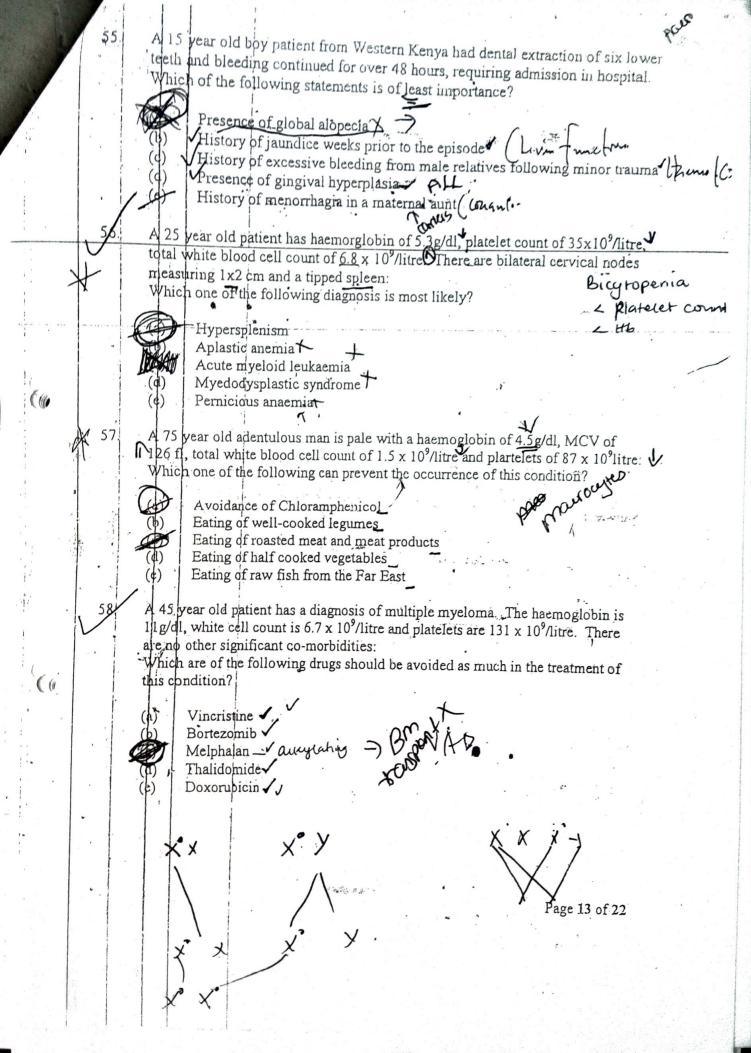


142.	Physical modalities used in the rehabilitation of patients with arthritis include the
	following except: (old/rot applications)
	(a) Electrical stimulation electrical strolator
	(b) Hydrotherapy hydromorapy
	(c) Exercise therapy
	(d) Rest presumption " Real of Spuntage
. /	(d) Rest presumption Rest of Spurstage Cognitive behaviour therapy Exercise
10.	The following are true concerning septic arthritis except:
nor visitus artigitais and criticis (1864) in ac hair	
	Streamatory and thick tactor
	(b) Staphylococcus aureus is the most common organism in prosthetic joint infections
	Athrocentesis is contraindicated X Definative ax cost
	And plotic treatment should begin immediately once proper samples of
,	(e) Heniodialysis patients are predisposed to infections at axial skeleton sites
1	100 A to a coord h. 101
V94.	to acute details are used in the frestment of acute details and
	arthritis except:
	(a) Non steroidal anti callaminatory drugs (NSAIDs)
	(b) Cortico steroid
	(c) Colchicine
	Allopurino > long term not acute Adrenocorticotrophic hormones (ACTH)
/	
45	The following are true concerning gout except:
3 4	The age of anset in women is older past mero pairs. The majority of people with hyperpricaemia never develor symptoms.
	(c) The development of tophaceous deposits of monosodium unate is a
. /	nuction of the duration and severity of hyperuricaemia
, , , , , , , , , , , , , , , , , , ,	It is commonly associated with abnormalities of serum limited
	*
190.5	The following are true of ankylosing spondylitis except:
	(a) The eye is involved > UvaiAs
	(b) Socroilitis occurs
. (6	Anti-CCP antibodies test is invariably positive
	(d) /HLA - B27 is a strong genetic risk factor (e) Etanercept is useful in treatment Fx an 1 can be
	1 1/10
	indicated after
	NEAD fails
06	Page 10 of 22
ik,	

100 m 100 m

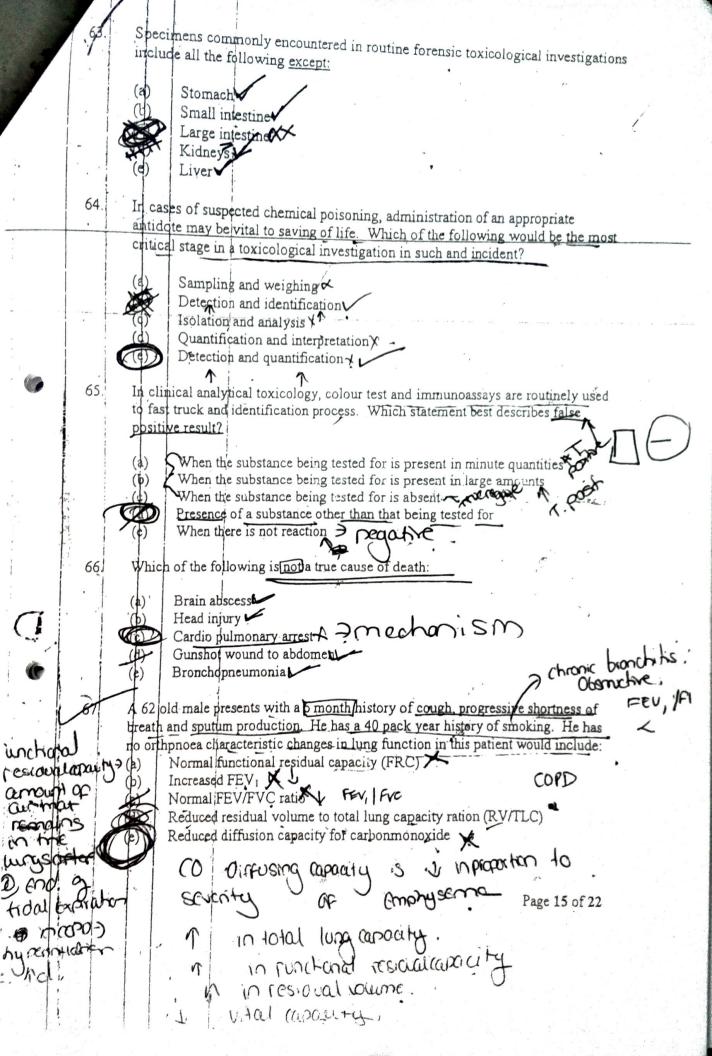
			•	
	47 T	e following are true concerning fi	bromyalgia excent	**
	(a	Exercise is a crucial element		of x
		Symptoms are evacerbated to	of therapy	V
	9	Symptoms are exacerbated by Fatigue is worsened by physi	y tricycle antidepressan	ts.XTCA
7	₹ - Ø	Commonly presents with irrit	cal activity	<u>/</u>
(i	/(e	Deficits of a attention and me	more cooper syndrom	e e e e e e e e e e e e e e e e e e e
		and the	mory occur	
) ; f	48. N	n-inflammatory causes of mondar	hritis include all the foll	owing except:
	Cal	Osteonecrosis	***	
	(6)	Hemarthrosis		•
()	(q	Osteoarthritis Reactive arthritis Pigmented villonodular synovi	athras n	of monoarthnitis
1		Reactive arthritis	1	
	(9)	Pigmented villonodular synov	tis	· DE
	49. Ar	elderly female patient who is being	nursed in hospital follo	wing total hip Dc
	rej	adement surgery is suddenly repor	ted to be diaphoretic and	dyspnoeic. On
		luation she is cold, sweaty and tach		
(1)	sat	trating with SPO ₂ 75%.		
		ECG is significant only for sinus t		
3	İφl	owing investigations has the highes	t positive predictive diag	
	de	- Cardiac troponin	5 y	Pulmonay Embolis
	(6)	D-Dimer	(* **	
		Computer Tomography (CT) -	Pulmonary angiography	
		Blood gas analysis	* '	7
Ī		Echocardiography		
le L	500 45	art of a pre operative evaluation, a	75 vear old man is incide	ntally found to
		an isolated irregularly irregular pu		
	sho	absence of P waves. All the follow	wing therapies are poten	tially indicated
	exc	pt: All the follows: All the follows:	for atom	
		Digoxin >> Rate contro		→· - · · · · · · · · · · · · · · · · ·
	(a)	Warfarin	. A	× ·
(6)		DC cardio version	, 6	· · · · ·
	(d)	Amiodarone 7 rhytm con	1407	_
	(e)	Propafenone	· (<u> </u>) ,
	,	9	LX.	1.15%
			4	
				* 4.
			36 W	
			.2	
		ĺ		
		- Acting the or make on		
				Page 11 of 22
			* * * * * * * * * * * * * * * * * * *	-D 01 MM
			* , * *	
			•	
				10

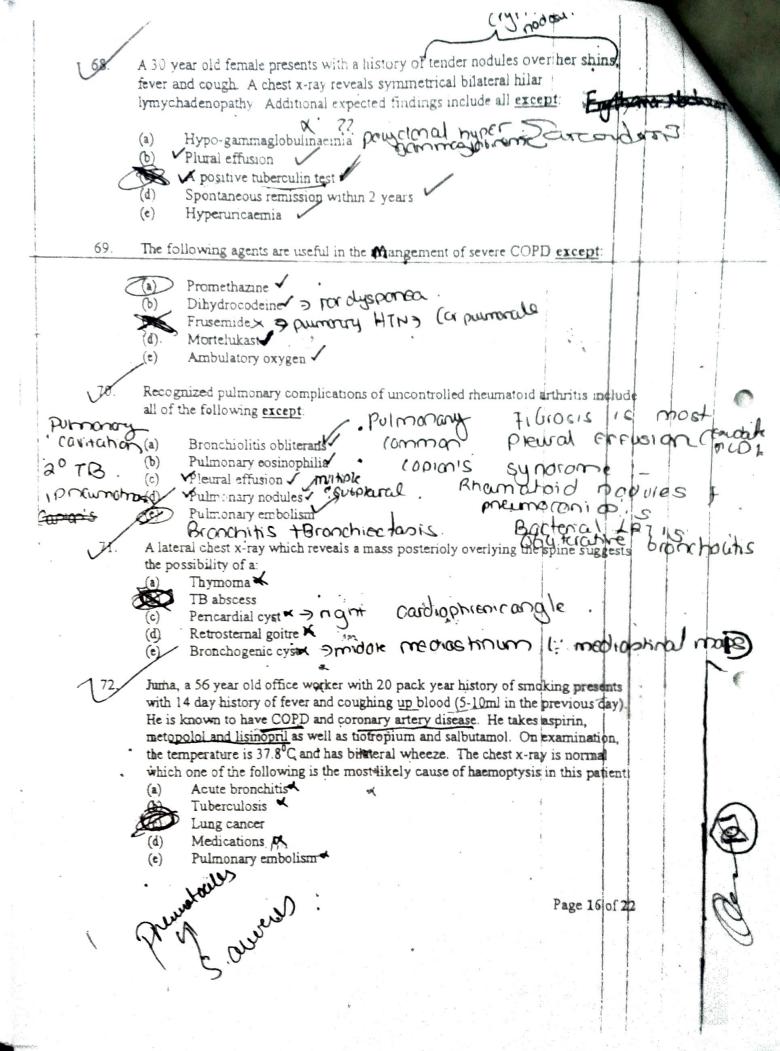
51.	All of the following are recognized causes of electrocardiographics ST segment;
	elevation except:
	Early ventricular repolarisation (b) Pulmonary embolism (c) Pericarditis (droums) (ardioc arritum too (droums) (ardioc arritum too (droums)
	(b) Pulmonary embolism (c) Pericarditis (photosism)
	(d) Myocardial necrosis
1	adody sin totiliation post MTW
52.	A 16-year-old healthy adolescent is involved in a schoolyard gang fight and stabbed in the chest with a knife in the left middavicular line. He is taken to the
	and on arrival his blood pressure is barely obtainable. His
	lungs are clear to auscultation. His heart sounds are barely audible. Which of the following is the most likely diagnosis: (a) Myocardial contusion (b) Aortic laceration (cardial contusion)
	(a) Myocardial contusion
·	Pericardial tamponade Beur's trace Beur's trace Beur's trace Neart sounds Pericardial tamponade
,	(d) Endocarditis - mughed ded
	(e) Acute M1
\ 83.	A 50 year old patient with diabetes presents to A & E department at 3 am with a
. 27	BP 100/60 mm Hg and pulse 120h/min ECG reveals
	elevation. All the following are appropriate therapies in his urgent management
	(a) Thrombolysis
4 3	Warfarin — used for long tem resulting tem 123.
	(d) Percutanous coronary revascularization (d) Beta-adrenergic blocker
	(e) Clopidogrel
\ 5 4.	A 16 year old patient from rural Kenya has a white blood cell count of 9 x
	10°/litre and 60% neutrophils. The haemoglobin is 6.7g/dl, MCV of 59 fl and platelets of 455x10°/litre. The spleen is tipped. Which one of the following is the
	most likely association?
	Presence of Schistosoma haematobium ova in stools x
3	Presence of Schistosoma mansoni ova in stools
	(d) Presence of Necator americams ova in stools ×
	(d) Presence of Necator americams ova in stools × Presence of Taenia saginatta ova in stools ×
	The color of the color
	Sole
* *.	Page 12 of 22
	7 460 12 01 22



	Enclamatalis -D SIPS is -D W/ getter	
59.	A 23 year old female underwent abortion of a 14 week foetus last week. She is mildly pale and sick – looking. The temperature is 39.7°C, pulse 115/minute, to	dyand.
. 1 1	regular. The haemoglobin is 8g/dl, total white blood cell count 17x10° litre, platelets are 15x10° litre. Which one of the following statements is correct:	
DY	(a) There is underlying acute lenkaemia X	55
1 3 S. S.	(b) The number of bone marrow megakaryocytes is suppressed (c) There are features of immune thrombocytopenic purpura	
1	There is a picture of haemolytic uraemic syndrome. There is disseminated intravascular coagulopathy	020
60.	A 16 year old patient has had repeated blood transfusions since the age of 14. There is mild jaundice, moderate to mild pallor and tender right hypochondrium.	15091
	The limbs are thin and some digits of the hands and legs are resorbed: What is the most likely cause of the right hypochondriac tenderness.	Wis
	(a) Hepatocellular carcinoma Cholelithiasis Sikk	
	Sequestration of red blood cells in the liver (d) Amoebic liver abscess (a) Typhoid	
	(e) Typhoid	1170P
61.	A 64 year old has left cervical and bilateral axillary lymphadenopathy of 2x2 cm. The haemoglobin is 12g/dl, white blood cell count is 5.6x10°/litre with 65% neutrophils, platelets are 280 x 10°/litre. Histology and immunohistochemistry	0 0100
	have confirmed follicular lymphoma grade 1. Which of the following statements is incorrect?	
	(a) This is indolent disease	
	(b) CD 20 is likely to be strongly positive (c) Chemotherapy should be deferred There is a close to 30% chance of transformation to higher grade disease	,
2	This disease is highly curable	
62.	Which one of the following is <u>not</u> a post mortem change: (a) Adipocere	
C	(a) Adipocere (b) Skeletalization (c) Putrefaction	
C	Skin slippage Bullae of the meninges	
7		
		· Management
	Page 14 of 22	

..





-	73.	All of the following, statements regarding anti-tuberculosis therapeutic agents are
		true except:
		(a) Over 90% of M tuberculosis isolates resistant to rifampicin are also.
		resistant to Isoniazid
i		(b) Rifabuitin should be used instead of rifampicin in patients receiving
1		protease inhibitors ppi
		(¢) Rifaicin decreases the half-life of warfarin
		Peripheral neutopathy is the most severe complication of ethambutol
		Pyrazinamide is an effective second-line agent is patients with MDR-TB
e de la companya de l	1 74	The following are correctly matched except:
		Infective endocrditis- Roth spots Infective endocrditis- Roth spots Aortic regurgitation - Tapping apex beat A October 1997
ſ		(a) Infective endocrditis-Roth spots
: 4:	ļļ.	Aortic regurgitation - Tapping apex beat A O'Secret
-/		Tricuspid stenosis - Cannon waves
, / :	1	(d) Tetralogy of fallot - Right ventricular hypertrophy
	' '	Acitic regurgitation - Tapping apex beat & (c) Tricuspid stenosis - Cannon waves (d) Tetralogy of fallot - Right ventricular hypertrophy Acitic regurgitation - Tapping apex beat & (d) Tetralogy of fallot - Right ventricular hypertrophy Acitic regurgitation - Tapping apex beat & (d) Tetralogy of fallot - Right ventricular hypertrophy Acitic regurgitation - Tapping apex beat & (d) Tetralogy of fallot - Right ventricular hypertrophy Acitic regurgitation - Tapping apex beat & (d) Tetralogy of fallot - Right ventricular hypertrophy Acitic regurgitation - Tapping apex beat & (d) Tetralogy of fallot - Right ventricular hypertrophy Acitic regurgitation - Tapping apex beat & (d) Tetralogy of fallot - Right ventricular hypertrophy Acitic regurgitation - Tapping apex beat & (d) Tetralogy of fallot - Right ventricular hypertrophy Acitic stenosis - syncopet
(0	1	rex & source
	1 78	The following are causes of secondary polycythaemia except:
		IN DAM (A) (NULL)
		(a) Smoking of a CO 10 smoking of Appinity for 176
		(b) Renal cyst / han Oxuaco - hypoxemic
		(E) A high altitude > hy
	1 1	Diabetes mellitus
	\$	(a) Smoking (C) Insmoking (D) Appinity for 176 (b) Renal cyst A high altitude by hymenic tran Oxygen - hypoxemic Diabetes mellitus Chronic obstructive airway diseased polycymemia.
	3	Hermanent pacemaker is indicated in the following conditions except:
	76	(a) Sick sinus syndrome
	13	(h) Mobitz type 1 secondary to AV block
€.		(b) 3 rd degree AV block
	-	(i) Mobitz type 2 secondary to AV block
		None of the above
÷		
160	72	A young patient presents with a 4 month history of fever, night sweats and recent
		of the line and fetime On physical exam he has a weak inteady
	1	quise, difficult to trace apex beat and distant heart sounds. Commonest cause of
	1	death in this condition is:
· *		
1		(a) Pulmonary oedema
		(b) Hyperkalemia
.0		(c) Septicaemia
		Tamponade
		Acute kidney injury
		Dog 17 of 22

78.	All the following are true regarding heart failure except:
	(a) Cachexia is primarily due to poor feeding (b) Hypotension is common Jaundice occurs early (d) Diuretics relief symptoms (e) Anaemia worsens symptoms
79.	Which one of the following is <u>not</u> a treatment of choice in Non-steroidal anti- inflammatory drug (NSAID) induced bleeding duodenal ulcer:
	Omeprazole 80 mg bolus then infusion at 8 mg/hr Octreotide infusion at 25 – 50 IU/hr Van Cal bleeding (c) Stop NSAID (d) Treat H.pylon if positive Endoscopic thermal treatment
* 80.	The following are laboratory findings in Hepatitis Bunactive carrier state except.
	(a) HBsAg positive ~ DerSiStant Mte Utian but (b) HBeAb positive ~ NO Uver In Homman (c) HBV DNA 100 IU/ml. Alanine transaminase (ALT) 20 U/IV Acute repairs Bridging fibrosis ~ U7-S5 cnits / L
81.	The following findings are compatible with chronic pancreatitis except:
	(a) Blood sugar > 20 mmol/IV (b) 24 hour fecal fat of 30 gm/day V Serum amylase of 3000 IU/ml — Acute Panerealitis (d) Calcification on a plain abdomainal x-ray (e) MRCP showing abnormal pancreatic duct V
82:	Which one of the following is <u>not</u> associated with secretory diarrhea: (a) Gastrinoma (b) Cholera (c) Enterotoxigenic E.coli (d) Excess pur cells on stool microscopy in feedings (e) Diarrhea persisting with fasting
83.	Which one of the following is correctly matched: (a) Lymphoedema – Onchocerciasis (b) River blindness – Reduvid bug – Letter for T. Cruzi (c) Winterbottom sign – Wucherria bancrofti – T. bruck (such of Buruli ulcer – Gram negative organisms Hexheimer reaction – syphilis treatment
	Assoc & penicillin Rx of syphilis Page 18 of 22

84	Which of the following are <u>not</u> correctly matched as pathogen! parasite - vector?
1 . 1	
į . į	(a) S. mansoni – Biomphylaria species / schir
	(b) P. falciparum – female anopheles mosquito
. !	Lyme disease – ixodes ricinus tick / T. brucei rhodesiense – Simulium fly – Onche cor a Yolubus
	(e) Leishmania – sand fly
.	Dolsmand Said Hy
85	A 2 months pregnant woman, who normally resides in Nairobi is on holiday at
"	Mombasa. She has not taken any malaria prophylaxis medication. She develops
. !	rigors and fevers temperature 39°C on the 4th day of her visit. Which is the most
1	
	(a) Malaria — Incubation pertia 11 > 7 days (b) Typhoid — incubation 7-21 days (c) Dalvin inflammatory disease
.	(a) Malaria - Incubar
1	(b) Typhoid - care to the control of
	Pelvic inflammatory disease Urinary tract infection
. !	(e) Brucellosis — incubation 1-2 months
86.	British tourist went boating and swimming in Lake Victoria. A week after, he
i	develops fever, anaemia and lymphadenopathy. All the following statements are
i i	true except:
	(a) The condition is related to his contact with lake water
	(h) High eosinophilic country expected
1	Transverse myelitis is a known complication.
	(d) Itchiness of the body is a related finding Jelly fish sting is the most likely cause of his illness
7.	Jelly fish sting is the most fixely cause of ins mines
(87	Uniocular prosis is a feature of:
101	
	(a) 7th cranial nerve palsy/
1	(b) Polymyositis/
	Trochlear palsy Myasthenia gravis
	(e) Abducent's palsy
. "	
188	All the following are correctly matched except:
.0	A taxic nystagmus - Multiple sclerosis
i i	Patinitic nigmentose
	loculogyic crisis – Uraemic neuropathy
,	(d) Postural hypotension – Shy Drager syndrome
.	(e) Gastatory sweating -Diabetic neuropathy
1	

89.	All the following are correct concerning X-linked dominant disorders except:
	 (a) Vitamin D-resistant rickets in an example (b) All female offsprings of an affected man will have the disease
	Females do not manifest the disorders.
	(d) Half the males or female off springs of an affected mother have the disease
,	(e) No male offspring of an affected man will have the disorder if their
· ·	mother not affected
90.	A 49 year old male painter is diagnosed with diabetes mellitus. He has noted
	hand and feet changes requiring change of size of working gloves from medium to large in the last 2 years. His shoes size has changed from size 7 to 9. Which of
	the following statements is true concerning him:
	(a) His libido is expected to increase 1
	(b) Muscular hypertrophy is usually associated
	(c) This is a recognized side effect of sulphonylurea class of drugs Visual deterioration and visual field defects occur
	(e) Loss of facial and axillary hair is expected
\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \	Aldosterone biosynthesis is positively regulated (stimulated) by the following
	factors except:
	(a) Renin-angiotensin system (b) Potassium ion (c)
	Serotonin
	(e) Pittutary and non-pituitary ACTH
, 62	The following are true of the syndrome of inappropriate antidiures (SIAD)
. 🗸	except:
	(a) Hyponatremia is a classic finding
	(b) Neoplasia is causally linked C) Acute intermittent porphyria as a nonmetabolic cause
up de la	SIAD is a diagnosis of exclusion
THE C 11	(e) Desmopressin is an iatrogenic cause
V 83.	Which of the following condition is associated with metabolic acidosis with a
×.	wide anion gap?:
	(a) Pylonic stenosis
	(b) Renal tubular acidosis type 1 (c) Uretero-sigmoidostomy; (1) (h. 1)
	(d) A antennal amid a terrini tri
	Diabetic ketoacidosis Kibnis - NAda - Audosis
	The state of the s
	and COLUMN TO THE PARTY OF THE
	Page 20 of 22

A 15 year old boy is evaluated for stunted growth. He has a previous history of hinb fractures associated with minimal trauma. Arterial blood assay show pH STages & northweateinesis 7.29 (N=7.34 - 7.44) Early morning urine pH 7.52 which one of the following is 1-chemical nephrocalcit ail expected finding: 2- micros co pic nephric pamologica 3- Macroscopic nepth Hyperglycaemia Hyperkalaemia Thypo kalamic Nephrocalcinosis ny poutratara hyper causius c Renal artery stenosis tinal colic Proteinufia - privata. - propriet Modalities of therapy in actively bleeding esophageal varies include all the following except: Octreotide infusion V (a) Band ligation & Propranalol infusion Vasopressin administration & Sclerotherapy A 56 year old woman presents with polyuria, polydipsia and progressive weakriess. She had been discharged from hospital two weeks prior, where she 96. had been managed for a concussion injury. Random blood sugar is 4.2 mmol/L. Urinalysis shows low osmolality. Which of the following statements is true? hypernahrema Hyponatremia is a feature > Di Hyperkalaemia is expected Hypocalcaemia is an expected cause of this presentation Hypertonic saline improves the situation if hypotension occurs X The metabolic syndrome is defined by the presence of the following except: 5 FASIL FICTORS of Abdominal obesity -i-odusity (large waistlin metabalic Syndrome -Hypertension 2- high level of Hypertension High HIDL -cholesterol 3- LOW HOL 4-high blood presence Hypertriglyceridemia Improved glucose tolerance VO 97112 Decreased -5- high festing brood Which one of the following is not true of Wuchereria bancrofti? Transmitted by the Culex mosquito Addes canophe Shyar

Associated with nocturnal periodicity 10 pm-2am

Associated with nocturnal periodicity Associated with pulmonary eosinophilia Associated with pulmonary eosinophilia

Prevented by treating the whole population with diethylcarbamazine

There are no serologic tests for its diagnosis There are no serologic tests for its diagnosis Transmission: - Anopheles in africa, Culex guinqueto ascitus in Page 21 of 22

Page 21 of 22

Canada and Pacific C PS. ia

PRICECTSIUS FOO MUNICIA MICHOL

