

Portal: Questions for final examination in Internal Medicine (1. LF UK, GM)

Endocrinology and Metabolism

1. Type 1 diabetes mellitus
2. Type 2 diabetes mellitus
3. Acute complications of diabetes mellitus
4. Chronic complications of diabetes mellitus
5. Treatment of diabetes mellitus
6. Metabolic osteopathies. Paget disease
7. Disorders of calcium and phosphate homeostasis
8. Malnutrition
9. Enteral and parenteral nutrition
10. Dyslipidemia - etiology, classification and evaluation
11. Treatment of dyslipidemia
12. Obesity - etiology, classification and evaluation
13. Treatment of obesity
14. Metabolic syndrome
15. Disorders of the hypothalamus and pituitary gland; diabetes insipidus
16. Diseases of the anterior pituitary
17. Diseases of the thyroid gland
18. Hyperthyroidism
19. Hypothyroidism
20. Goiter; thyroiditis; tumors of the thyroid gland
21. Diseases of the parathyroid glands
22. Diseases of the adrenal cortex
23. Cushing's syndrome
24. Adrenocortical insufficiency
25. Endocrine hypertension
26. Gonadal diseases (hypogonadism, gonadal dysgenesis, disorders of sexual determination and differentiation)
27. Multiple endocrine neoplasia; polyglandular autoimmune syndrome

Gastroenterology

1. Diseases of Esophagus (Gastroesophageal Reflux Disease, Hernias, Achalasia, Motility disorders)
2. Acute and Chronic Gastritis
3. Ulcer Disease of Stomach and Duodenum
4. Benign and Malignant Tumors of Stomach and Duodenum
5. Bleeding from Alimentary Tract
6. Nausea, Vomiting, Singultus
7. Malabsorption Syndroms
8. Diverticular Disease of Colon
9. Inflammatory Bowel Disease
10. Polyposis Syndrom
11. Malignant Tumors of Colon and Rectum
12. Anorectal Diseases
13. Acute and Chronic Cholecystitis
14. Cholelithiasis and Chronic Cholecystitis
15. Jaundice
16. Viral Hepatitis
17. Nonalcoholic Fatty Liver, Porphyria, Wilson's Disease, Hemochromatosis)
18. Cirrhosis
19. Complications of Cirrhosis (Bleeding, Encephalopathy, Ascites....)
20. Acute and Chronic Pancreatitis
21. Tumor of Pancreas
22. Obstipation
23. Diarrhoe
24. Tumors of GI Tract and Endocrine Tumors
25. Upper and Lower Functional Disorders
26. Acute Abdomen
27. Ileus and Obstruction
28. Abdominal Pain
29. Typical Laboratory Testing in Gastroenterology and Hepatology (Cholestasis, Inflammation.....)
30. Imaging Procedures, Techniques and Guidelines for Effective Investigation in Gastroenterology and Hepatology

Cardiology

1. Arterial hypertension – etiology, pathophysiology, diagnostics, organ complications
2. Secondary arterial hypertension
3. Therapy of arterial hypertension
4. Risk factors of atherosclerosis and their intervention
5. Chronic ischaemic (coronary) heart disease
6. Therapy of coronary heart disease
7. Unstable angina and its therapy
8. Acute myocardial infarction – symptoms, diagnostics, types
9. Therapy of acute myocardial infarction (with ST elevation; without ST elevations)
10. Complications of acute myocardial infarction
11. Mitral stenosis and mitral regurgitation
12. Aortic stenosis and aortic regurgitation
13. Aortic dissection – etiology, diagnostics, therapy
14. Disease of right heart valves, esp. tricuspidal regurgitation
15. Acute pericarditis, tamponade, constrictive pericarditis
16. Myocarditis and dilatation cardiomyopathy
17. Cardiomyopathies – types and symptoms
18. Infective endocarditis
19. Left heart failure – symptoms, diagnostics, therapy
20. Right heart failure – symptoms, diagnostics, therapy
21. Acute heart failure, pulmonary edema
22. Bradyarrhythmias
23. Supraventricular arrhythmias – supraventricular tachycardia, atrial flutter and fibrillation
24. Ventricular arrhythmias
25. Principles of arrhythmia therapy
26. Cardiopulmonary resuscitation
27. Syncope – etiology, diagnostics, therapy
28. Pulmonary embolism – etiology, diagnostics, therapy
29. Pulmonary hypertension – etiology, diagnostics
30. Deep vein thrombosis
31. Varices, chronic vein insufficiency
32. Acute arterial ischaemia
33. Chronic forms of peripheral arterial disease

Nephrology

1. Acute renal failure- prerenal and postrenal ARF
2. Acute renal failure – renal ARF
3. Chronic renal failure
4. Hemodialysis
5. Peritoneal dialysis
6. Polycystic kidney disease, Alport syndrome
7. Nephrotic syndrome
8. Systemic lupus erythematosus, lupus nephritis
9. Diabetic nephropathy
10. Rapidly progressive glomerulonephritis
11. Nonproliferative glomerulonephritis
12. Proliferative glomerulonephritis
13. Urinary tract infection
14. Acute interstitial nephritis
15. Chronic interstitial nephritis
16. Urolithiasis, nephrolithiasis
17. Renal tumors
18. Kidney diseases in pregnancy
19. Renovascular hypertension
20. Hematuria
21. Edema
22. Kidney transplantation
23. Hypokalemia, hyperkalemia
24. Hyponatremia, hypernatremia
25. Hypocalcemia, hypercalcemia

Pneumology

1. Acute infections of the lower airways
2. Chronic bronchitis
3. Bronchiectases
4. Lung inflammation-pneumonia, lung abscess
5. Tuberculosis
6. Bronchial asthma
7. Chronic obstructive lung disease (COPD)
8. Lung fibrosis
9. Granulomatous lung disorders – sarcoidosis, extrinsic allergic alveolitis, etc.

10. Pleural diseases
11. Diseases of the mediastinum
12. Chronic respiratory insufficiency
13. Lung carcinoma
14. Pleural effusion
15. Haemoptysis
16. Pneumothorax
17. Foreign body aspiration

Rheumatology

1. Rheumatoid arthritis
2. Ankylosing spondylitis
3. Reactive Arthritis and Psoriatic Arthritis
4. Systemic lupus erythematosus
5. Scleroderma
6. Idiopathic inflammatory myositis
7. Juvenile idiopathic arthritis
8. Sjögren syndrome
9. Gout arthritis
10. Osteoarthritis
11. Soft tissue rheumatism
12. Lyme arthritis
13. Septic arthritis
14. Osteoporosis
15. Glucocorticoid induced osteoporosis
16. Nonsteroidal antirheumatic drugs and analgetics
17. Disease modifying drugs of RA and biological drugs
18. Local therapy of therapy diseases
19. Rehabilitation of rheumatic patients
20. Orthopedic surgery of rheumatic diseases

Hematology

1. Sideropenic anemias. Anemias of chronic diseases
2. Megaloblastic anemias, pernicious anemia
3. Hemolytic anemias, congenital
4. Hemolytic anemias, aquired
5. Bone marrow aplasias
6. Bleeding states of plasmatic origin, congenital, aquired.
7. Autoimmunne thrombocytopenias
8. Bleeding states of platelet origin, thrombocytopathies, thrombocytopenias (except ITP)
9. Syndrom of disseminated intravascular coagulation
10. Myelodysplatic syndrom
11. Acute leukemias
12. Chronic lymphocytic leukemia and related diseases
13. Chronic myeloid leukemia
14. NonHodgkin´s malignant lymphomas
15. Hodgkin´s disease
16. Myeloproliferative diseases (except CML)
17. Plasmocytoma
18. Monoclonal gammopathies and diseases associated with MG.
19. Amyloidosis
20. Thrombosis and thrombophilic states
21. Principls of supportive care in hematology
22. Febrile neutropenia, characterization and treatment