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|  | **INTERNAL DISEASES PART I EXAMINATION SYLLABUS**1. **Pulmonary Diseases and Allergology**
 |
| 1 | Allergic reactions: Classification, Role in pathogenesis of Internal Diseases, Diagnosis |
| 2 | Antibiotics: classification, spectrum, pharmacologic properties  |
| 3 | Antibiotic therapy of pulmonary diseases : indications, antibiotics of choice |
| 4 | Lung abscess: etiology, classification, clinical manifestation, diagnosis and treatment |
| 5 | Pulmonary embolism: definition, risk factors, classification, clinical presentation and diagnostic algorithm |
| 6 | Pulmonary embolism: treatment of the massive and non massive form |
| 7 | Lung diseases in immune compromise patients |
| 8 | Pulmonary tuberculosis: Clinical presentation of the primary TB |
| 9 | Pulmonary tuberculosis: Clinical presentation of the secondary TB |
| 10 | Pulmonary tuberculosis: etiology, immune pathogenesis, diagnosis |
| 11 | Pulmonary tuberculosis: treatment |
| 12 | Lung hemorrhages: etiology, pathogenesis, clinical presentation and treatment |
| 13 | Mediastinal diseases: Classification, clinical presentation and diagnosis |
| 14 | Bronchial asthma: definition, pathogenesis, classification, clinical presentation and diagnosis |
| 15 | Bronchial asthma: treatment of asthma attack  |
| 16 | Bronchial asthma: management  |
| 17 | Bronchodilators: classification, therapeutic and side effects, clinical application  |
| 18 | Nosocomial pneumonia: etiology, clinical manifestation, diagnosis and treatment |
| 19 | Differential diagnosis of the physical syndromes in the pulmonary diseases |
| 20 | Diffuse interstitial lung diseases: etiology, classification, diagnosis and treatment |
| 21 | Respiratory failure: definition, etiology, pathogenesis, clinical presentation and diagnosis |
| 22 | Respiratory failure: treatment |
| 23 | Cystic fibrosis and bronchiectasis: etiology, classification, clinical presentation |
| 24 | Acid Base Balance: clinical interpretation. Alvelocapilary block |
| 25 | Acute bronchitis: etiology, clinical presentation, diagnosis and treatment |
| 26 | Pleural effusions : etiology, classification, diagnosis and differential diagnosis |
| 27 | Community acquired pneumonia: etiology, clinical presentation, diagnosis and treatment |
| 28 | Lung carcinoma: etiology, morphologic classification, Clinical presentation and diagnosis |
| 29 | Lung carcinoma: treatment of small- and non small cell carcinoma |
| 30 | Sarcoidosis: definition, immunopathogenesis, classification, clinical presentation, diagnosis and treatment |
| 31 | Semiotics of lung diseases: symptoms and clinical syndromes |
| 32 | Pulmonary function tests for investigating ventilation, diffusion, specific and non specific bronchial hyperreactivity |
| 33 | COPD: definition, pathogenesis, classification, clinical presentation and diagnosis |
| 34 | COPD management |
| 35 | Chronic bronchitis: definition, etiology, classification, clinical manifestation and treatment. |
| **ІІ.** | **Cardiology** |
| 1 | Antiarrhythmic agents - classification and clinical application. |
| 2 | Aortic regurgitation - etiology, pathophysiology, physical examination, diagnosis and management. |
| 3 | Aortic stenosis - etiology, pathophysiology, physical examination, diagnosis and management. |
| 4 | Beta adrenoreceptor blocking agents - classification and clinical application. |
| 5 | Vasodilators - classification and clinical application. |
| 6 | Congenital heart diseases - classification, cardiac defects with left-to-right shunts in adults. |
| 7 | Congenital heart diseases with right-to-left shunts in adults.  |
| 8 | Disorders of cardiac rhythm - etiology, classification, diagnosis and management.  |
| 9 | Diuretics - classification and clinical application. |
| 10 | Electrocardiographic criteria for left and right chamber hypertrophy. |
| 11 | Diseases of pericardium, pericardial effusion - causes, clinical presentation, diagnosis and management (medical and surgical treatment). |
| 12 | Infective endocarditis - etiology, classification, clinical presentation and treatment. |
| 13 | Angiotensine-Converting Enzyme Inhibitors and Angiotensine II Receptor Blockers - classification and clinical application. |
| 14 | Ischemic heart disease - classification, etiology, pathogenesis, differential diagnosis of chest pain. |
| 15 | Ischemic heart disease - management of the uncomplicated acute myocardial infarction. |
| 16 | Ischemic heart disease - management of the acute myocardial infarction complicated with rhythm and conduction disorders, with hypo- and hypertension, with heart failure.  |
| 17 | Ischemic heart disease - unstable angina pectoris.  |
| 18 | Ischemic heart disease - acute myocardial infarction - clinical presentation, diagnostis approaches and differential diagnosis. |
| 19 | Ischemic heart disease - stable angina pectoris. |
| 20 | Cardiomyopathies - classification, pathophysiology, diagnosis and management. |
| 21 | Drugs for treatment of lipoprotein disorders - classification, clinical use. |
| 22 | Myocarditis - etiology, classification, clinical presentation, diagnostic approaches and management. |
| 23 | Mitral regurgitation - etiology, pathophysiology, physical examination, diagnosis and management. |
| 24 | Mitral stenosis - etiology, pathophysiology, physical examination, diagnosis and management. |
| 25 | Disorders of impulse conduction - etiology, classification, diagnosis and management. |
| 26 | Acute left heart failure - clinical presentation, diagnosis and management. |
| 27 | Acute circulatory failure - classification, pathophysiology, management. |
| 28 | Rheumatic fever - etiology, pathogenesis, clinical presentation, evolution, treatment and prevention. |
| 29 | Identifiable (secondary) forms of hypertension - classification, treatment. |
| 30 | Heart failure - etiology, classification, pathophysiology and clinical presentation. |
| 31 | Cardiac glycosides. Sympathomimetic drugs - classification and clinical use. |
| 32 | Fibrinolytic, anticoagulant and antiplatelet agents - classification and clinical use.  |
| 33 | Primary hypertension - classification, etiology, pathogenesis, stages and degrees.  |
| 34 | Primary hypertension - therapy. |
| 35 | Hypertensive crisis - definition and treatment. |
| 36 | Chronic congestive heart failure - clinical presentation, diagnosis and management. |
| 37 | Chronic pulmonary heart disease - etiology, clinical presentation, diagnosis and management. |
| **ІІІ.** | **Rheumatology** |
| 1 | Ankylosing spondylitis - etiology, clinical features, complications and treatment. |
| 2 | Systemic rheumatologic disorders - definition, immunopathogenesis, classification and diagnosis. |
| 3 | Corticosteroids - classification, mechanism of action, side effects and clinical use. |
| 4 | Osteoarthrosis - etiology, clinical forms and treatment. |
| 5 | Reactive arthritis - etiology, clinical presentation and treatment. |
| 6 | Rheumatoid arthritis - etiology, pathogenesis, clinical presentation and diagnosis. |
| 7 | Rheumatoid arthritis – principles of treatment. |
| 8 | Systemic lupus erythematosus - clinical presentation, diagnostic criteria and treatment. |