**INTERNAL DISEASES PART I EXAMINATION SYLLABUS**

**CARDIOLOGY and RHEUMATOLOGY**

1. Heart failure - etiology, classification, pathophysiology and clinical presentation.
2. Chronic congestive heart failure - clinical presentation, diagnosis and management.
3. Acute left heart failure - clinical presentation, diagnosis and management.
4. Acute circulatory failure - classification, pathophysiology, management.
5. Chronic pulmonary heart disease - etiology, clinical presentation, diagnosis and management.
6. Primary hypertension - classification, etiology, pathogenesis, stages and degrees.
7. Primary hypertension - therapy.
8. Hypertensive crisis - definition and treatment.
9. Identifiable (secondary) forms of hypertension - classification, treatment.
10. Ischemic heart disease - classification, etiology, pathogenesis, differential diagnosis of chest pain.
11. Chronic Ischaemic Heart Diseases
12. Acute Coronary Syndromes in patients presenting without persistent ST-segment elevation - clinical presentation, diagnosis and differential diagnosis
13. Treatment algorithm for the management of acute coronary syndrome without ST-segment elevation
14. Acute Coronary Syndromes in patients presenting with persistent ST-segment elevation - clinical presentation, diagnosis and differential diagnosis
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. Treatment algorithm for the management of acute coronary syndrome with ST-segment elevation
18. Disorders of cardiac rhythm - etiology, classification, diagnosis and management.
19. Disorders of impulse conduction - etiology, classification, diagnosis and management.
20. Antiarrhythmic agents - classification and clinical application.
21. Aortic valve regurgitation - etiology, pathophysiology, physical examination, diagnosis and management.
22. Aortic valve stenosis - etiology, pathophysiology, physical examination, diagnosis and management.
23. Mitral valve regurgitation - etiology, pathophysiology, physical examination, diagnosis and management.
24. Mitral valve stenosis - etiology, pathophysiology, physical examination, diagnosis and management.
25. Rheumatic fever - etiology, pathogenesis, clinical presentation, evolution, treatment and prevention.
26. Congenital heart diseases - classification, cardiac defects with left-to-right shunts in adults.
27. Congenital heart diseases with right-to-left shunts in adults.
28. Cardiomyopathies - classification, pathophysiology, diagnosis and management.
29. Myocarditis - etiology, classification, clinical presentation, diagnostic approaches and management.
30. Diseases of pericardium, pericardial effusion - causes, clinical presentation, diagnosis and management (medical and surgical treatment).
31. Infective endocarditis - etiology, classification, clinical presentation and treatment.
32. Systemic rheumatologic disorders - definition, immunopathogenesis, classification and diagnosis.
33. Systemic lupus erythematosus - clinical presentation, diagnostic criteria and treatment.
34. Rheumatoid arthritis - etiology, pathogenesis, clinical presentation and diagnosis.
35. Rheumatoid arthritis – principles of treatment.
36. Ankylosing spondylitis - etiology, clinical features, complications and treatment.
37. Reactive arthritis - etiology, clinical presentation and treatment.
38. Osteoarthrosis - etiology, clinical forms and treatment.
39. Drugs influencing RAAS - classification and clinical use.
40. Beta adrenoreceptor blocking agents - classification and clinical application.
41. Vasodilators - classification and clinical application.
42. Diuretics - classification and clinical application.
43. Cardiac glycosides. Sympathomimetic drugs - classification and clinical use.
44. Fibrinolytic, anticoagulant and antiplatelet agents - classification and clinical use.
45. Drugs for treatment of lipoprotein disorders - classification, clinical use.
46. Corticosteroids - classification, mechanism of action, side effects and clinical use.

**PULMONARY DISEASES and ALLERGOLOGY**

1. Pulmonary embolism: definition, risk factors, classification, clinical presentation
2. Pulmonary embolism: diagnostic algorithm and treatment of the massive form
3. Pulmonary embolism: diagnostic algorithm and treatment of the non-massive form
4. Lung carcinoma: etiology, morphologic classification, clinical presentation and diagnosis
5. Lung carcinoma: staging and treatment
6. Pulmonary tuberculosis: etiology, immune pathogenesis, diagnosis
7. Pulmonary tuberculosis: clinical presentation of primary and secondary TB
8. Pulmonary tuberculosis: treatment
9. Acute bronchitis: etiology, clinical presentation, diagnosis and treatment
10. Chronic bronchitis: definition, etiology, classification, clinical manifestation and treatment
11. COPD: definition, pathogenesis, classification, clinical presentation and diagnosis
12. Management of stable COPD
13. COPD: treatment of an exacerbation
14. Bronchial asthma: definition, pathogenesis, classification, clinical presentation and diagnosis
15. Bronchial asthma: management
16. Bronchial asthma: treatment of asthma attack
17. Community acquired pneumonia
18. Nosocomial pneumonia
19. Treatment of pneumonias
20. Respiratory failure: definition, etiology, pathogenesis, clinical presentation and diagnosis
21. Respiratory failure: treatment
22. Sarcoidosis
23. Pulmonary function tests for investigating ventilation, diffusion, specific and non specific bronchial hyperreactivity
24. Acid Base Balance: clinical interpretation
25. Lung abscess: etiology, classification, clinical manifestation, diagnosis and treatment
26. Bronchiectasis. Cystic fibrosis.
27. Pulmonary hypertension.
28. Pulmonary heart disease
29. Pleural effusions : etiology, classification, diagnosis and differential diagnosis
30. Lung hemorrhages: etiology, pathogenesis, clinical presentation and treatment
31. Mediastinal diseases: classification, clinical presentation and diagnosis
32. Diffuse interstitial lung diseases: etiology, classification, diagnosis and treatment
33. Sleep-disordered breathing
34. Antibiotic therapy of respiratory infections
35. Bronchodilator therapy in obstructive lung diseases
36. Corticosteroid therapy in obstructive lung diseases

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