

AMRAZ-E-TANAFUS, QALB, DAURANE KHOON, AMRAZE DAM WA LYMHAVIA
(Diseases of Respiratory, Cardiac, Circulatory, Hemopoietic And Lymphatic Systems)

I. AMRAZE TANAFUS (RESPIRATORY DISEASES)

- Applied Anatomy and Physiology, Signs & Symptoms, Diagnostic Parameters and important investigations of the System.
- Causes, pathogenesis, clinical features, investigations, diagnosis, differential diagnosis, principles of treatment, treatment, management, complications and important procedures of following disorders:
 - (a) Nazla-e-Haar, Barid wa Muzmin
 - (b) Sual-e-Yabis wa Ratab
 - (c) COPD (Chronic Obstructive Pulmonary Disease)
 - Warm-e-Shoub (Bronchitis)
 - Zeeq-un-Nafse / Rabue Shoubi (Bronchial Asthma)
 - Nafkhat-ur-Riya (Emphysema)
 - Ittisae Shobat-ur-Riya (Bronchiectasis)
 - (d) Tadarrun-e-Revi (Pulmonary Tuberculosis)
 - (e) Zatur Riya (Pneumonia)
 - (f) Dubaelat-ur-Riya (Lung Abscess)
 - (g) Nafkhat-ur-Riya (Emphysema)
 - (h) Taqueh-ur-Riya (Empyema)
 - (i) Zat-ul -anb / shusa (Pleurisy)
 - (j) Istasqa-us-Sadr (Pleural Effusion)
 - (k) Acute Respiratory Distress Syndrome (ARDS)
 - (l) Sartane Shobat-ur-Riya (Bronchial Carcinoma)
 - (m) Fibrosis of Lungs
 - (n) Tropical Eosinophilia
 - (o) Environmental Pulmonary Disorders
 - (p) Occupational Hazards
 - Silicosis
 - Asbestosis
 - (q) Fungal Infection of lung

Basic knowledge of following investigation and procedures:

- i. Examination of Sputum
- ii. Radiological investigations (X-ray, CT chest, MRI)
- iii. Bronchoscopy
- iv. Pleural Aspiration
 - Cytology
 - Biochemistry
- v. Biopsy

II. AMRAAZE QALB WA DAURANE KHOON (CARDIO-VASCULAR DISEASES)

- Applied Anatomy and Physiology, Signs & Symptoms, Diagnostic Parameters and important investigations of the System.
- Causes, pathogenesis, clinical features, investigations, diagnosis, differential diagnosis, principles of treatment, treatment, mamoolate matab, complications and important procedures of following disorders:

- Sooe Mizaj Qalb (Altered temperament of heart)
- Ghashi (Syncope)
- Waram-e-uzn Qalb (Atrial hypertrophy)
- Istasqa-e-Qalb (Pericardial effusion)
- Jazb-e-Qalb
- Warm Butanae Qalb (Endocarditis)
- Amraze Samamat-e-Qalb (Valvular Heart Disease)
- Insidade Samamat-e-Qalb
- Insidade Samamat-e-Taji
- Insidade Hilali
- Qalbi Revi Amraz (Cor Pulmonale)
- Batu-e-Qalb (Bradycardia)
- Sura'at-e-Qalb (Tachycardia)
- Fallot's Tetralogy
- Arrhythmias
- Khafqan Tachycardia (Palpitation of Heart)
- Zabha-e-Sadria (Angina Pectoris)
- Iflaase Qalb (Ischaemic Heart Disease and Myocardial Infarction)
- Marze Azlaate Qalb (Cardiomyopathies)
- Iltihabe Qalb & aqsam (Carditis & types)
- Daul Qalb Hudari (Rheumatic Heart disease)
- Amraze Samamaate Qalb (Valvular diseases)
- Tazayyuqe Zur-rasain (Mitral Stenosis)
- Tazayyuqe Aorta (Aortic Stenosis)
- Qusoore Zurrasain (Mitral Incompetence)
- Qusoore Awarta (Aortic Incompetence)
- Manuate Qalb (Heart Block)
- Suqoote Qalb (Cardiac Arrest)
- Right and left ventricular failure

➤ Amraaze Urooqe Damviya (Diseases of Blood vessels)

- Tasallube Sharaeen (Arteriosclerosis)
- Iltihab Aurida Takhasri (Thrombophlebitis)
- Zaqlt ul dam Qavi (Hypertension)

- Suqote Daurane Khoon (Circulatory failure)

➤ **Amraze Dam wa Lymhavia (Diseases of Blood & Lymphatic system)**

- Nazfud Dam Mizaji (Haemophilia)
- Qillate Sufehiyatuddam (Thrombocytopenia)

Basic knowledge of following investigation and procedures:

- Echocardiography (ECG) & Treadmill
- Angiography & Angioplasty
- Cardiac Catheterisation
- Pericardial Paracentesis
- Cardiac Biomarkers (CPK-MB, Troponin-t & I, SGOT etc.)
- Lipid Profile

III. HOEMOPOETIC SYSTEM

1. Anatomy & physiology of hoemopoetic system
2. Anaemias
 - Introduction
 - Classification
 - Sign/Symptoms in general
 - Basic investigations & its interpretation
3. Leukaemia
4. Lymphoma
5. Water & Electrolytes imbalance