Medical Doctorate Student Log Book

Name: .....

Registration for MD Degree: .....

Contact details: .....

Head of the Department

Vice Dean for research and postgraduate study

Contents

General Instructions

The purpose of this log book is to help the student to record the actual experience during the training period so that the deficiencies can be identified and remedied. This will also help to assess the overall training and provide extra experience in the areas where the student is found deficient.

The student is strongly advised to make the entries in the logbook regularly and avoid retrospective record hunting. The log book should be completed weekly and should record all experiences specified till the training is completed.

This book will be reviewed by the head of the department and the academic advisor every 3 months. On completion of the training, the log book will be submitted for assessment and records.

Section I: Clinical Rotation

Group	Period		Signature of head of group
	From	To	

Section II: Scientific Lectures

First part

1- Pathology:

Date	Title	Lecturer	Signature
	Pathology of pneumonia		
	Pathology of TB		
	Pathology of pulmonary embolism & vascular lung diseases		
	Pathology of bronchial asthma Pathology of COPD		
	Pathology of interstitial lung diseases		
	Pathology of lung cancer		
	Pathology of pleural diseases		
	Pathology of mediastinal diseases		

2- Physiology

Date	Title	Lecturer	Signature
	Ventilation: 1- Mechanics of inspiration 2- Mechanics of expiration 3- Distribution and efficiency of ventilation 4- Physiology of small airways **5-** Work of breathing		
	Diffusion		
	Lung volumes and capacities		
	Pattern of respiration		
	Gas transport: 1- Oxygen transport **2-** Carbon dioxide transport		
	Perfusion		
	Control of respiration		
	Acid-base balance and blood gases		
	Pulmonary circulation		
	Haemostasis		
	Shock		
	Sleep physiology: polyspmnography		

3- Microbiology:

Date	Title	Lecturer	Signature
	Microbiological causes of respiratory diseases (general overview)		
	Bacterial causes of chest diseases : Aerobic organisms Anaerobic organisms Atypical organisms		
	Mycobacterium tuberculosis		
	Atypical mycobacteria		
	Viral causes of chest diseases Fungal causes of chest diseases Parasitic causes of chest diseases		
	Genetics of TB and bronchial asthma		
	Types of immunity & immunologic chest diseases Tumor immunology Immunotherapy		
	Infection control program Nosocomial infections		

Second part: Respiratory critical care in Chest Medicine (module 1)

Date	Title	Lecturer	Signature
	Clinical Approach To The Patient With Respiratory Symptoms.		
	Diagnostic Procedures: 1. Radiographic evaluation of the chest. 2. Interventional radiology 3. Pulmonary function testing. 4. Bronchoscopy. 5. Transthoracic needle aspiration 6. Thoracoscopy. 7. Cardiopulmonary exercise testing. 8. Evaluation of disability due to lung diseases. 9. Scintigraphic evaluation of lung diseases.		
	Chronic obstructive pulmonary diseases: 1. Pathology, pathophysiology, and pathogenesis. 2. Diagnosis and differential diagnosis. 3. Clinical course and management. 4. Smoking. 5. Pulmonary Rehabilitation		
	Asthma: 1. Biology and Epidemiology. 2. Clinical presentation. 3. Management. 4. Aspirin-induced asthma, Exercise-induced asthma and ABPM.		
	Other Obstructive Disorders: 1. Upper airway obstruction in adults. 2. Cystic fibrosis. 3. Bronchiolitis. 4. Bullous diseases of the lung.		
	Medicolegal And Ethical Aspects And Patient's Safety.		
	Drug-Induced Lung Diseases		

Date	Title	Lecturer	Signature
	Clinical part: 1. History taken 2. General examination		

Second part (module 2)

Date	Title	Lecturer	Signature
	Pulmonary Infections: ***a- Introduction:*** 1. Appraoch to the patient with pulmonary infection., Radiology, Pathology. 2. Principles of antibiotic use in peumonia, Vaccination against pulmonary infections. ***b- Common syndromes in pulmonary infectious diseases:*** 1. Upper respiratory tract infections, Acute bronchitis. 2. Community acquired pneumonia. 3. Aspiration, empyema, lung abscess, anaerobic infections. 4. Mediastinitis, Infection in CF, Bronchiectasis. ***c- Pulmonary infections in special hosts:*** ***d- Major pathogenes in pulmonary infections:*** 1. Gram negative pneumonia. & Hospital acquired pneumonia. 2. Fungal pulmonary infections. 3. Viral pulmonary infections. 4. Protozoal infections, Helminthic pulmonary diseases, Zoonotic and other unusual bacterial pneumonias. ***e- Mycobacterial infections:*** 1. Epidemiology, prevention and control of TB, Microbiology, virulence, and immunology of mycobacteria.		

Date	Title	Lecturer	Signature
	2. Clinical presentations of TB: Pulmonary 3. Clinical presentations of TB: extrapulmonary. 4. Mycobacterial and HIV co-infection, Diseases due to MOTT. 5. Treatment.		
	Pulmonary Neoplasms: 1. Genetic and molecular changes of lung cancer. 2. Solitary pulmonary nodule & Pulmonary metastasis. 3. Pathology of primary lung tumors (bronchogenic & others). 4. Diagnosis and natural history (NSCLC and SCLC). 5. Treatment (Radiotherapy, chemotherap and surgery). 6. Extrapulmonary syndromes associated with lung cancer. 7. Lymphoproliferative and hematological diseases involving the lung and pleura.		
	Pulmonary Vascular Diorders: 1. Pulmonary hypertension and corpulmonale. 2. Pulmonary embolism. 3. Pulmonary vasculitis & Pulmonary AVM.		
	Clinical part: 1. Local examination 2. Radiological evaluation		

Second part (module3)

Date	Title	Lecturer	Signature
	Respiratory Failure: 1. An overview, Adult respiratory distress syndrome & Acute lung injury. 2. Systemic inflammatory response syndrome & Multiple organ dysfunction syndrome. 3. Acute respiratory failure in the surgical patient & Pump failure.		
	Management And Therapeutic Interventions: 1. Oxygen therapy and pulmonary oxygen toxicity. 2. Pulmonary pharmacotherapy. 3. Intubation and upper airway management & Hemodynamic and respiratory monitoring in acute respiratory failure. 4. Priciples of mechanical ventilation & Nutrition in acute respiratory failure.		
	Occupational And Environmental Disorders: 1. Occupational lung disorders: general principles and approach & Chronic beryllium diseases and hard metal lung diseases. 2. Asbestos-related lung disease & Coal workers lung diseases and silicosis. 3. Occupational asthma, Byssinosis and industrial bronchitis & Thermal lung injury and acute smoke inhalation 4. Toxic inhalation & Indoor and outdoor air pollution.		

Date	Title	Lecturer	Signature
	5. High-altitude physiology and clinical disorders & Diving injury and air embolism.		
	Sleep-Related Breathing Disorders: 1. Sleep stages & Changes in the cardiorespiratory system during sleep. 2. Sleep apnea syndromes, Differential diagnosis and evaluation of sleepiness & Sleep hypoventilation syndrome. 3. Polysomnography: principles, monitoring of respiration and artifactes & Screening of sleep-disordered breathing.		
	Diffuse Parenchymal Lung Diseases: 1. Interstitial lung diseases: a clinical overview and general approach & IPF. 2. Systemic sarcoidosis & Hypersensitivity pneumonitis. 3. Radiation pneumonitis & Depositional lung diseases. 4. Pulmonary manifestation of collagen vascular disorders. 5. Pulmonary eosinophilias. 6. Pulmonary Langerhans' cell histocytosis & Pulmonary Lymphangioleimyomatosis.		
	Alveolar Diseases: 1. Alveolar hemorrhage syndromes. 2. Mechanism of aspiration disorders & Pulmonary alveolar proteinosis.		
	Surgical Aspects Of Pulmonary Medicine: 1. Perioperative care of the patient undergoing lung resection. 2. Thoracic trauma. 3. Lung transplantation.		

Date	Title	Lecturer	Signature
	Clinical part: 1. Pulmonary function tests report interpretation 2. ABG interpretation 3. Sleep : Sleep sheet sleep staging polysomnography interpretation NIPPV adjustment(CPAP,BIPAP		

Second part (module 4)

Date	Title	Lecturer	Signature
	Disorders Of The Chest Wall, Diaphragm And Spine: 1. Non-muscular diseases of the chest wall. 2. Effect of neuromuscular diseases on ventilation. 3. Management of neuromuscular respiratory muscle dysfunction.		
	Disorders Of The Pleura: 1. Pleural effusions. 2. Pneumothorax. 3. Pleural tumors.		
	Disorders Of The Mediastium: 1. Non-neoplastic disorders. 2. Congenital cysts: bronchopulmonary foregut anomalies. 3. Acquired lesions (benign and malignant).		
	Pulmonary-Systemic Interactions.		
	Clinical part: **FOB:** Preparation introduction Navigation interpretation Intervention(cryotherapy,electrocautery,argon plasma,biopsy taken and chemical injections) Special probe		
	Elective Course:		

Date	Title	Lecturer	Signature

Section III: Scientific Seminars

Date	Title of Topics	Supervisor	Signature

Section IV: Scientific Activities

(Conferences, theses viva, workshops)

Date	Place	Organization/University/Hospital	Supervisor	Signature

Section V: Practical Skills and Field Training

1. Bronchoscopy

Date	Skill	Performance*	Assessment**	Supervisor	Signature

***Performance** level: observation/assisstance/independence.

****Assessment** of student: poor /fair /good.

Number of cases should be performed : 5 cases independent & 5 cases as assistant

2. Respiratory ICU

Date	Skill	Performance*	Assessment**	Supervisor	Signature

***Performance** level: observation/assisstance/independence.

****Assessment** of student: poor /fair /good.

Number of cases should be performed : 50 cases independent & 50 cases as assistant

3. Allergy & Immunology

Date	Skill	Performance*	Assessment**	Supervisor	Signature

***Performance** level: observation/assisstance/independence.

****Assessment** of student: poor /fair /good.

Number of cases should be performed : 50 cases independent & 50 cases as assistant

4. Pulmonary Function

Date	Skill	Performance*	Assessment**	Supervisor	Signature

***Performance** level: observation/assisstance/independence.

****Assessment** of student: poor /fair /good.

Number of cases should be performed : 50 cases independent & 50 cases as assistant

5. Sleep Disordered Breathing

Date	Skill	Performance*	Assessment**	Supervisor	Signature

***Performance** level: observation/assisstance/independence.

****Assessment** of student: poor /fair /good.

Number of cases should be performed : 10 cases independent & 10 cases as assistant

6. Smoking Cessation

Date	Skill	Performance*	Assessment**	Supervisor	Signature

***Performance** level: observation/assisstance/independence.

****Assessment** of student: poor /fair /good.

Number of cases should be performed : 10 cases independent & 10 cases as assistant

Section VI: Undergraduate Clinical teaching

Date	Round Subject	Supervisor	Signature

Section VII: Case Presentation

Date	Case	Supervisor	Signature

Final Report & Scoring

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Academic Advisor **Head of the Department**