

MD logbook lectures

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

Date	Title	Lecturer	Signature
	Clinical Approach To The Patient With Respiratory Symptoms.		
	Diagnostic Procedures: <ol style="list-style-type: none"> 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: <ol style="list-style-type: none"> 1. Pathology, pathophysiology, and pathogenesis. 2. Diagnosis and differential diagnosis. 3. Clinical course and management. 4. Smoking. 5. Pulmonary Rehabilitation 		
	Asthma: <ol style="list-style-type: none"> 1. Biology and Epidemiology. 2. Clinical presentation. 3. Management. 4. Aspirin-induced asthma, Exercise-induced asthma and ABPM. 		
	Other Obstructive Disorders: <ol style="list-style-type: none"> 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		
	Clinical part:		

Date	Title	Lecturer	Signature
	1. History taken 2. General examination		

Section II: Scientific Lectures

Second part (module 2)

Date	Title	Lecturer	Signature
	<p>Pulmonary Infections:</p> <p>a- Introduction:</p> <ol style="list-style-type: none"> 1. Approach to the patient with pulmonary infection., Radiology, Pathology. 2. Principles of antibiotic use in pneumonia, Vaccination against pulmonary infections. <p>b- Common syndromes in pulmonary infectious diseases:</p> <ol style="list-style-type: none"> 1. Upper respiratory tract infections, Acute bronchitis. 2. Community acquired pneumonia. 3. Aspiration, empyema, lung abscess, anaerobic infections. 4. Mediastinitis, Infection in CF, Bronchiectasis. <p>c- Pulmonary infections in special hosts:</p> <p>d- Major pathogens in pulmonary infections:</p> <ol style="list-style-type: none"> 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. <p>e- Mycobacterial infections:</p> <ol style="list-style-type: none"> 1. Epidemiology, prevention and control of TB, Microbiology, virulence, and immunology of mycobacteria. 		

Date	Title	Lecturer	Signature
	<ol style="list-style-type: none"> 2. Clinical presentations of TB: Pulmonary 3. Clinical presentations of TB: extrapulmonary. 4. Mycobacterial and HIV co-infection, Diseases due to MOTT. 5. Treatment. 		
	<p>Pulmonary Neoplasms:</p> <ol style="list-style-type: none"> 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. 		
	<p>Pulmonary Vascular Disorders:</p> <ol style="list-style-type: none"> 1. Pulmonary hypertension and corpulmonale. 2. Pulmonary embolism. 3. Pulmonary vasculitis & Pulmonary AVM. 		
	<p>Clinical part:</p> <ol style="list-style-type: none"> 1. Local examination 2. Radiological evaluation 		

Second part (module3)

Date	Title	Lecturer	Signature
	<p>Respiratory Failure:</p> <ol style="list-style-type: none"> 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. 		
	<p>Management And Therapeutic Interventions:</p> <ol style="list-style-type: none"> 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. Principles of mechanical ventilation & Nutrition in acute respiratory failure. 		
	<p>Occupational And Environmental Disorders:</p> <ol style="list-style-type: none"> 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. 5. High-altitude physiology and clinical disorders & Diving injury and air embolism. 		
	<p>Sleep-Related Breathing Disorders:</p> <ol style="list-style-type: none"> 1. Sleep stages & Changes in the cardiorespiratory system during sleep. 		

Date	Title	Lecturer	Signature
	2. Sleep apnea syndromes, Differential diagnosis and evaluation of sleepiness & Sleep hypoventilation syndrome. 3. Polysomnography: principles, monitoring of respiration and artifacts & 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 histiocytosis & Pulmonary Lymphangioleiomyomatosis.		
	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.		
	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
	<p>Disorders Of The Chest Wall, Diaphragm And Spine:</p> <ol style="list-style-type: none"> 1. Non-muscular diseases of the chest wall. 2. Effect of neuromuscular diseases on ventilation. 3. Management of neuromuscular respiratory muscle dysfunction. 		
	<p>Disorders Of The Pleura:</p> <ol style="list-style-type: none"> 1. Pleural effusions. 2. Pneumothorax. 3. Pleural tumors. 		
	<p>Disorders Of The Mediastium:</p> <ol style="list-style-type: none"> 1. Non-neoplastic disorders. 2. Congenital cysts: bronchopulmonary foregut anomalies. 3. Acquired lesions (benign and malignant). 		
	<p>Pulmonary-Systemic Interactions.</p>		
	<p>Clinical part: FOB: Preparation introduction Navigation interpretation Intervention(cryotherapy,electrocautery,argon plasma,biopsy taken and chemical injections) Special probe</p>		
	<p>Elective Course:</p>		