King Abdulaziz University
Faculty of Medicine

RESPIRATORY SYSTEM MODULE

Study Guide [12]

Phase II, MBBS

1428/1429 H (2007/2008 G)

Scientific Publishing Centre
King Abdulaziz University
P.O.Box: 80200, Jeddah 21589
Saudi Arabia

1st Edition : 1428 A.H. (2007 A.D.)

King Abdulaziz University Press

Welcome

Dear Students,

Welcome to the second year medicine. As you have already started in the Faculty curriculum (System- Based Curriculum), this year you are in Phase II of the program.

Phase I **: Premedical Year (First Year)**
Phase II **: Second and Third Years**
Phase III **: Fourth, Fifth and Sixth Years**

Congratulations, you passed phase I. But what about phase II? Phase II includes many core modules and also System-Based Modules. The aim of this phase is to lay down a solid foundation for the subsequent full-time clinical study in stage III of the MBBS program. It will also integrate the basic sciences knowledge with the clinical sciences. This include knowledge, skill and attitudes, particularly attitudes towards the learning process. The curriculum philosophy in stage II is enforcing the development of a mixture of teaching approaches including System-Based Learning, Problem-Based Learning and also stressing on the idea of "Student Self-Directed Learning".

The department has the honor to introduce this study guide to you hoping that it may be helpful in making you oriented with the aims, objectives, contents of our courses, and through it, you will find the answers of the frequently asked questions.

All the Best

Department Chairman

TABLE OF CONTENTS

11	Chemical & neural control of breathing	
12	Metabolic function of the respiratory system	
13	Exercise & high altitude, the physiological responses to hypoxia & hypercapnia. Identification of different of respiratory failure	
14	Drugs used in treatment of bronchial asthma	
15	Principles of treatment of lung infections	
16	The pathology of pulmonary microbial infections	
17	Interstitial lung disease including pneumoconiosis	
18	Disease of pulmonary vasculature	
19	Chronic of obstructive airway diseases & bronchiectasis	
20	Pulmonary neoplasia	
21	Treatment of tuberculosis	
22	Drugs used against cough	
23	Clinical pharmacology of pulmonary embolism	
24		
25		
	TUTORIALS	
01	Clinical approach to patient with respiratory diseases	
02	Drugs & the lung.	
03	Drugs & the lung.	
04	Haemoglobin binding & oxygenhaemoglobin dissociation curve	
NO.	**PRACTICAL** (Names)	
01	Structure of the nose, paranasal sinuses, trachea & Larynx.	
02	Clinical anatomy of the thoracic cage including images	
03	The thoracic wall, muscles of breathing.	

04	Lung function tests.	
05	Special lung function tests	
06	Special lung function tests	
07	Effect of drugs on isolated guinea pig trachea	
08		
	Problem-Based Learning (PBL) Sessions	
01	Case (1)… Pleural diseases	
02	Case (2)… Respiratory Allergy	
03	Case (3)… Overview of definition epidemiology, pathogenic & clinical features of asthma	
04		
	CLINICAL PRESENTATION	
01	Pleural diseases	
02	Respiratory Allergy	
03	Overview of definition epidemiology, pathogenic & clinical features of asthma	
04	Radiology:	
05	Surgery::	
06	Radiology:	
07	Surgery:	
	STUDENT-DIRECTED LEARNING (SDL)	
01	Case studies of chronic obstructive pulmonary diseases	