



COURSE SPECIFICATION

(Advanced course in allergic and immunologic chest diseases)

Faculty of Medicine– Mansoura University

(A) Administrative information

(1) Programme offering the course.	Master degree of chest medicine
(2) Department offering the programme.	Chest Medicine Department
(3) Department responsible for teaching the course.	Chest Medicine Department
(4) Part of the programme.	Second Part
(5) Date of approval by the Department's council	15-3-2016
(6) Date of last approval of programme specification by Faculty council	9-8-2016
(7) Course title.	Advanced course in allergic and immunologic chest diseases
(8) Course code.	2 nd part:CHEST511AI
(9) Credit hours.	1credit hours
(10) Total teaching hours.	16 h

(B) Professional information

(1) Course Aims:

The broad aims of the course are as follows: (either to be written in items or as a paragraph)

- 1- To understand different types of immunological reactions in different chest diseases**
- 2- Applied in the allergen immunotherapy.**

(2) Intended Learning Outcomes (ILOs):

Intended learning outcomes (ILOs); Are four main categories: knowledge & understanding to be gained, intellectual qualities, professional/practical and transferable skills.

On successful completion of the course, the candidate will be able to:

A- Knowledge and Understanding

- A1- identify theoretical bases of immunologic chest diseases.**
- A2- explain role of cytokines in bronchial asthma.**
- A3-recognize allergen immunotherapy (types, indication and complications).**
- A4- explain indications, contraindications and rationale of the immunotherapy for TB & cancer.**
- A5-identify pathogenesis, diagnosis and treatment of hypersensitivity pneumonitis**
- A6 –recognize different phenotypes of BA and stepwise approach in its treatment**
- A7-recognize prerequisites and interpretation of skin prick test**

B- Intellectual skills

B1- able to appropriate choose of patients for immunotherapy

B2- expect new treatment lines based on the immunologic background of different chest diseases.

(3) Course content:

Subjects	Lectures	Total Teaching Hours
Types of immune reactions	2	
Bronchial Asthma: 1. Pathogenesis 2. Cytokines in asthma 3. Combined airway disease 4. Clinical phenotypes of BA 5. Investigations for BA 6. Stepwise approach of medical treatment	5	
Allergen immunotherapy: 1. Prerequisites (skin prick test) 2. Indications, contraindications of allergen immunotherapy 3. Mechanism of action 4. Drug schedule for allergen immunotherapy 5. Types of allergen immunotherapy 6. Side effects of allergen immunotherapy 7. Measures of efficacy	3	
Hypersensitivity pneumonitis	1	
Immunological mechanisms of pulmonary diseases: 1. TB 2. Vasculitis 3. ILD (UIP-DAD-sarcoidosis)	1	
Immunological diagnosis of pulmonary diseases	1	
Immunotherapy for TB	1	
Immunotherapy for lung cancer	1	
Total teaching hours	15	15

(4) Teaching methods:

4.1: lectures, seminars, workshops

4.2: clinical sessions and work experience

4.3: Problem solving, case studies

4.4: directed and self directed learning activities

(5) Assessment methods.

.

Assessment schedule:

Assessment 1: Written exam after 36 months of job admission or 30 months of MS registration

Assessment 5: MCQ at the end of each semester

Percentage of each Assessment :

MCQ	8	%:	20%
Written exam:	32	%:	80%
Total:	40	%:	100%

(6) References of the course.

- 6.1: Hand books: Oxford handbook of respiratory medicine
- 6.2: Text books
 - Fishman's Pulmonary Diseases and Disorders
 - Crofton and Douglas's Respiratory Disease
 - Eagan's fundamentals of respiratory care
- 6.3: Journals: Periodicals of American Journal of Chest Diseases
Periodicals of European Respiratory Journal
Periodicals of Chest Medicine
- 6.4: Websites: Update guidelines of Asthma, COPD, Lung Cancer, Pulmonary Infections
www.GINA.com, www.GOLD.com,

(7) Facilities and resources mandatory for course completion.

Teaching rooms: Patients wards, Pulmonary function tests, Arterial Blood Gases, Respiratory Critical Care wards, Sleep Medicine Laboratory, Allergy Immunology Laboratory, Bronchoscopy wards.

Course coordinator:

Dr. Dina Aboelkhair, Lecturer of chest medicine

Dr. Heba Wagih, Assistant lecturer of chest medicine

Head of the department: Prof. Mohamad khairy

Date: 31-1-2015