



Related Microbiology & Immunodermatology

COURSE SPECIFICATION

MD Dermatology

Faculty of Medicine- Mansoura University

(A) Administrative information

| | |
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| (1) Programme offering the course: | MD Dermatology |
| (2) Department offering the programme: | Dermatology, Andrology and STDs |
| (3) Department responsible for teaching the course: | Dermatology, Andrology and STDs |
| (4) Part of the programme: | first part |
| (5) Date of approval by the Department's council | 3/4/2016 |
| (6) Date of last approval of programme specification by Faculty council | 9/8/2016 |
| (7) Course title: | Related Microbiology & Immunodermatology |
| (8) Course code: | DERM 615 CB |
| (9) Total teaching hours: | 15 |
| (10) Number of credit hours | 1 |

(B) Professional information

(1) Course Aims:

The broad aims of the course are as follows:

1- Provides the student with detailed and advanced knowledge about Microbiology & immunodermatology related to the field of dermatology

(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

A 1- Recognize the Micro flora of skin.

A 2- Discuss Bacterial, Viral, Fungal, Protozoal and Parasitic skin infections and their Immunology.

A 3- Identify the Innate immunity & adaptive immunity: Soluble factors, Cells of innate immunity, T & B lymphocytes.

A 4- Recognize the Immunological functions of the skin: Keratinocytes, Langerhans's cell, Epidermal T cells, Antimicrobial peptides, Toll-like receptors

A 5- Describe Cytokines & cell adhesion molecules in Dermatology

A 6- Explain the Allergy (hypersensitivity) and its immunotherapy, Immunodeficiency and Autoimmunity.

A 7- Discuss Immunology of skin tumors, Photo-immunology and Immunotherapy (Immunomodulatory drugs & Biologic therapy).

B-Intellectual skills:

B-1- Plan standard diagnostic algorithms for microbiological diagnosis of Bacterial, Viral, Fungal, Protozoal and Parasitic skin infections.

B2- Compare between Innate immunity & adaptive immunity

(3) Course content:

| Subjects | Total Teaching Hours |
|--|-----------------------------|
| 1. Micro flora of skin | 1 |
| 2. Bacterial skin infections. | 1 |
| 3. Viral skin infections. | 1 |
| 4. Fungal skin infections. | 1 |
| 5. Protozoal and parasitic skin infections. | 1 |
| 6. Innate immunity & adaptive immunity: Soluble factors, Cells of innate immunity, T & B lymphocytes. | 1 |
| 7. Immunological functions of the skin: Keratinocytes, Langerhans's cell, Epidermal T cells, Antimicrobial peptides, | 1 |

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| Toll-like receptors. | |
| 8. Allergy (hypersensitivity) | 1 |
| 9. Immunodeficiency | 1 |
| 10. Autoimmunity | 1 |
| 11. Cytokines in dermatology & cell adhesion molecules | 1 |
| 12. Immunology of skin tumors | 1 |
| 13. Immunology of skin infections: Bacterial. Fungal. Viral. Protozoal. Parasitic. | 1 |
| 14. Immunotherapy: Immunomodulatory drugs, Allergy immunotherapy, Biologic therapy. | 1 |
| 15. Photo-immunology | 1 |
| Total | 15 |

(4) Teaching methods:

4.1: Lectures

(5) Assessment methods:

5.1: Written exams for assessment of knowledge and intellectual ILOs.

Assessment schedule:

MCQ Exam at the end of the semester

Final Written exam Assessment one semester after registration of MD degree

Percentage of each Assessment to the total mark:

MCQ Exam 20 % = 20 marks.

Final Written exam 80% = 80 marks.

(6) References of the course:

6.1: Hand books: conferences and Department staff handouts

6.2: Text books: Rook's text book of Dermatology Blackwell USA, 2010, Andrew's Disease of the skin 2006, Habif clinical dermatology, electronic text book of dermatology

6.3: Journals: British Journal of dermatology, Journal of the American Academy of Dermatology, Archives of Dermatology International Journal of Dermatology, Journal of skin surgery,

6.1: Websites: WWW.eblue.org, archderm.ama.org, www.wiley.com, www.telemedicine.org, www.amazon.com

6.1: Others: MD Dermatology course of Cairo University

(7) Facilities and resources mandatory for course completion:

1-Fully Equipped Lecture halls

2-Department library

3-Faculty library

Course coordinator:

Head of the department:

Prof. Ibraheem Abu-Bakr Abdel Hamid, MD

Date: 3/4/2016