



Microbiology & Immunology Related to Andrology & STDs

COURSE SPECIFICATION

MD Andrology and Sexually transmitted infections

Faculty of Medicine- Mansoura University

(A) Administrative information

(1) Programme offering the course:	MD Andrology and Sexually transmitted infections
(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:	Microbiology & Immunology Related to Andrology & STDs
(8) Course code:	ANDRO 615 MI
(9) Total teaching hours:	15
(10) 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 & Immunology** related to the field of Andrology and Sexually transmitted infections

(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- List types and roles of Micro flora of the male genital tract.

A2- Recognize different types and defense mechanisms of Innate and adaptive immunity.

A2- Discuss Microbiological diagnosis of the following:

- a) Bacterial sexually transmitted infections,
- b) Viral sexually transmitted infections,
- c) Fungal sexually transmitted infections,
- d) Protozoal sexually transmitted infections
- e) Ectoparasitic sexually transmitted infections.

A3- Identify the Spermatozoa related Immunological aspects.

B- Intellectual skills:

B 1- Compare between Innate and adaptive immunity.

(3) Course content:

Subjects	Teaching Hours
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1. Micro flora of the male genital tract.	1
2. Microbiology of different Bacterial sexually transmitted infections	2
3. Microbiology of different viral sexually transmitted infections	2
4. Microbiology of different fungal sexually transmitted infections	2
5. Microbiology of different protozoal sexually transmitted infections	2
6. Microbiology of different ectoparasites sexually transmitted infections	2
7. Innate and adaptive immunity.	2
8. Spermatozoa related Immunological aspects.	2

(4) Teaching methods:

4.1: Lectures

4.2: Workshops

4.3: Grand meetings

4.4: Specialty conferences

(5) Assessment methods:

5.1: Written exams for assessment of knowledge and intellectual ILOS

(6) Assessment schedule:

MCQ Exam at the end of the semester (one semester after MD registration)

Final Written exam Assessment after one semester after MD registration

(7) Percentage of each Assessment to the total mark:

MCQ Exam 20 % = 20 marks.

Final Written exam 80% = 80 marks

(8) References of the course:

6.1: Hand books: Department staff handouts

6.2: Text books: Andrology: Male Reproductive Health and Dysfunction, E. Nieschlag, H.M. Behre and S. Nieschlag (Editors) 2009, Springer; 3rd ed. Edition, A Practical Guide to Basic Laboratory Andrology by Lars Björndahl, David Mortimer, Christopher L. R. Barratt, and Jose Antonio Castilla Cambridge University Press; 1 edition (2010)

6.3: Journals: human andrology,

6.1: Websites: www.iasstdaids.org, www.telemedicine.org/std ,and ijsa.rsmjournals.com

(9) Facilities and resources mandatory for course completion:

1- Fully Equipped Lecture halls

2- Department library

3- Faculty library

Course coordinator:

Prof. Samir Elhanbaly, MD

Chairman of the department:

Prof. Ibrahim A. Abdel-Hamid, MD

Date: 3/4/2016