



STDs and Therapy 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:	second 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:	STDs and Therapy
(8) Course code:	ANDRO 615 STD
(9) Total teaching hours:	60 lectures 90 clinical
(10) Credit hours	4 lectures 3 clinical

(B) Professional information

(1) Course Aims:

The broad aims of the course are as follows:

- 1- Provides the MD student with advanced and detailed knowledge about most of STDs diseases probably seen by a STDs specialist
- 2- Provides the MD student with STDs clinical skills.
- 3- Makes the MD student able to differentiate between similar STDs diseases after making an appropriate differential diagnosis.
- 4- Help the MD student to perform certain diagnostic and therapeutic procedures for cases of STDs
- 5- Teaches the MD student to plan a standard diagnostic algorithm for cases of urethral discharge
- 6- Teaches the MD student to propose treatment strategies for most cases of STDs

(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 -Discuss the History, socioeconomic impact, and epidemiology of sexually transmitted infections

A 2- Recognize the Social and psychological dimensions of sexuality and Profiles of vulnerable populations to STDs

A 3-Identify Host immunity and molecular pathogenesis and STDs.

A4- Identify etiology, pathogenesis, diagnosis, differential diagnosis and management of Sexually transmitted viral diseases

A 5- Describe etiology, pathogenesis, diagnosis, differential diagnosis and management of Sexually transmitted bacterial diseases

A 6 - Describe etiology, pathogenesis, diagnosis, differential diagnosis and management of Sexually transmitted protozoal, fungal, and ectoparasitic diseases

A 7- Describe the Overview of STDs care management including the following:

1. STDs care management .
2. Individual-level risk assessment for sexually transmitted infections, including HIV
3. Anatomy and physical examination of the genital tract
4. Principles of treatment of sexually transmitted diseases .
5. principles of laboratory diagnosis of STDs
6. Individual, couple, and small-group interventions.
7. Management of STIs syndromes in women
 - a. lower genital tract infection syndromes in women
 - b. Pelvic inflammatory disease
8. Management of STIs syndromes in men
 - a. -Urethritis in males .
 - b. -Epididymitis .
 - c. -Prostatitis syndromes .
9. Management of dermatologic and extragenital manifestations of STDs and HIV infection
 - a. Generalized cutaneous manifestations of STDs and HIV infection
 - b. Genital ulcer adenopathy syndrome .
 - c. Genital dermatoses .
 - d. Ocular infections associated with sexually transmitted diseases and HIV /AIDS .

e. Sexually transmitted intestinal syndromes .

10. Clinical management of HIV infection and Counseling and Testing for HIV Infection

A 8 – Outline STDs in reproductive health and pediatrics as follow:

1. -Sexually Transmitted Diseases and male Infertility .
2. -Sexually Transmitted Infections and Pregnancy outcome
3. -Child Sexual Abuse and STDs

A 9- Describe Prevention and control of STDs and HIV infection including control measures and STDs vaccines and special aspects of STDs/HIV prevention and control in developing countries

A 10- Recognize special medical, legal, and social issues:

1. Sexual Assault and STDs .
2. Legal and Political Aspects of STIs Prevention:
3. -Ethical Challenges of the Global AIDS Epidemic
4. -Information and Communication Technologies for Prevention and Control of STDs .

B- Intellectual skills

B1- Analyzes information obtained from STDs patients regarding history, clinical examination & investigations in stepwise manner.

B2- Puts a therapeutic plan taking into consideration risk benefits ratio & cost effective to the patients.

B3- Differentiate between diseases categorized together e.g. urethral discharges, genital ulcers.

B4- Set up an algorithm for proper diagnosis of different STDs.

C- Professional/practical skills:

C1- Obtains a patient's full history and full clinical examination of male and female urethra and genitalia in the following:

- a) Sexually transmitted viral diseases
- b) Sexually transmitted bacterial diseases
- c) Sexually transmitted protozoal, fungal, and ectoparasitic diseases

C2- performe different diagnostic tests like taking expressed prostatic secretions, urethral swabs, two glasses testing, looking for pus cells in urine and semen.

C3- Proposes different lines of treatment of:

- a) Different types of STDs
- b) STDs syndromes in women
- c) STDs syndromes in men
- d) dermatologic and extragenital manifestations of STDs

D- Transferable skills & Communication

D1- Work effectively within the team of colleagues and tutors.

D2- Manage time, services and resources effectively.

D3- Set priorities, skills and needs for lifelong learning.

D4- Deal professionally with scientific organizations, journals, and associations.

D5- Respect the patient's privacy & autonomy.

D6- Respond to patients needs superseding self-interest.

D7- Justify appropriate attitude, clinical ethics & legal responsibilities.

T8- Present information clearly in different, written, oral or electronic forms.

D9- Communicate effectively with patients, families & the public across their broad range of socioeconomic & cultural backgrounds.

D10- Alleviate patient's anxiety & establish trust

D11- Interact effectively with team work, other physicians & other health care providers.

D12- Explain to the patients and/or relatives the nature of the disease, diagnostic & therapeutic options & recommend life style modifications in ethical way.

D13- Advocate for quality and optimal patient care.

(3) Course content:

Lectures	Teaching hours
1. History, and epidemiology of sexually transmitted infections	1
2. Social and psychological dimensions of sexuality	1
3. Profiles of vulnerable populations to STDs	1
4. Host immunity and molecular pathogenesis and STDs.	2
5. Etiology, pathogenesis, diagnosis, differential diagnosis and management of Sexually transmitted viral diseases	
a) –Human immunodeficiency virus infection.	2
b) -Human t-cell lymphotropic viruses.	1
c) –Herpes viruses infections cytomegalovirus.	2
d) -Epstein-barr virus infection.	2
e) -Genital human papilloma virus infection.	2
f) -Viral hepatitis.	1
g) –Molluscum contagiosum.	1
6. Etiology, pathogenesis, diagnosis, differential diagnosis and management of Sexually transmitted bacterial diseases.	
a) -Chlamydia trachomatis infections	2
b) Lymphogranulomavenereum	2
c) -Neisseria gonorrhoeae infections	2
d) - Syphilis	2
e) -Endemic treponematoses	2
f) -Chancroid and haemophilus ducreyi	2
g) -Donovanosis	2
h) -Genital mycoplasmas	2
i) -Bacterial vaginosis	1

7. Etiology, pathogenesis, diagnosis, differential diagnosis and management of Sexually transmitted protozoal, fungal, and ectoparasitic diseases	
a) –Trichomonas vaginalis and trichomoniasis.	1
b) -Intestinal protozoa: giardia lamblia, entamoeba histolytica, cryptosporidium	1
c) -new and emerging protozoal infections	1
d) -Vulvovaginal candidiasis	1
e) -Pubic lice and scabies	1
f) -Genital mycoplasmas	1
8. Overview of STDs care management:	
a. STDs care management .	1
b. Individual-level risk assessment for sexually transmitted infections, including HIV	1
c. Anatomy and physical examination of the genital tract	1
d. Principles of treatment of sexually transmitted diseases.	1
e. principles of laboratory diagnosis of STDs	1
f. Individual, couple, and small-group interventions.	1
g. Management of STDs syndromes in women - lower genital tract infection syndromes in women -Pelvic inflammatory disease	2
h. Management of STDs syndromes in men -Urethritis in males. -Epididymitis. -Prostatitis syndromes	2
i. Management of dermatologic and extragenital manifestations of STDs and HIV infection a. Generalized cutaneous manifestations of STDs and HIV infection b. Genital ulcer adenopathy syndrome . c. Genital dermatoses . d. Ocular infections associated with sexuallytransmitted iseases and HIV /AIDS . e. Sexually transmitted intestinal syndromes	2
j. Clinical management of HIV infection and Counseling and Testing for HIV Infection	1
9. STDs in reproductive health and pediatrics:	
a- Sexually Transmitted Diseases and male Infertility .	1

b- –Sexually Transmitted Infections and Pregnancy outcome	1
c- –Child Sexual Abuse and STDs	1
10. Prevention and control of STDs and HIV infection & vaccines and Special aspects of STDs/HIV prevention and control in developing countries	
11. Special medical, legal, and social issues:	1
a- Sexual Assault and STDs .	1
b- Legal and Political Aspects of STIs Prevention:	1
c- –Ethical Challenges of the Global AIDS Epidemic	1
d- -Information and Communication Technologies for Prevention and Control of STDs	1
Total	60

(4) Clinical training:

Subjects	Clinical training hours
1. Detailed History taking of patient with STDs.	9
2. General Physical Examination of patient with STDs.	9
3. Local genital Examination of patient with STDs.	9
4. Milking of urethra and prostatic massage for samples collection.	9
5. How to select proper investigations for better case evaluation	9
6. Reading and interpretation of different Imaging Diagnostics and Laboratory Investigations.	9
7. Doing smear and culture of some STDs e.g. trichomoniasis, candidiasis, prostatitis.	9
8. Management of STDs syndromes in women	9
9. Management of STDs syndromes in men	9
10. Prevention and control of STDs and HIV infection and Special aspects of STDs prevention and control in developing countries	5
11. Ethical Aspects of dealing with STDs.	4
Total	90

(5) Teaching methods:

5.1: Lectures

5.2: Workshops

5.3: Grand meetings

5.4: Case presentations

5.5: Specialty conferences

5.6: Hand on training

(6) Assessment methods:

6.1. Written exam for assessment of knowledge and intellectual ILOs

6.2. Structured Oral exam for assessment of knowledge, intellectual and transferable ILOs

6.3. OSCE Clinical exam for assessment of knowledge, intellectual and transferable and practical ILOs

6.4 continuous assessment exams for assessment of knowledge and intellectual ILOs

Assessment schedule:

MCQ Exam at the end of the semester

Final Assessment after 24 months

Marks of each Assessment:

MCQ Exam = 25 marks.

Final Written exam = 100 marks

Final Clinical OSCE exam = 50 marks

Final structured Oral exam= 50 marks

Other assessment without marks: commitment, sympathy, discipline, successful team work with his colleagues and seniors, working according to the appropriate rules

(7) References of the course:

7.1: Hand books: Department staff handouts

7.2: Text books: textbook of STDs and AIDS by CN Sowmini, WHO handbook of STDs

7.3: Journals: AIDS patient care and STDs, Journal -International journal of STD & AIDS

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

(8) Facilities and resources mandatory for course completion:

- 1- Daily STDs Outpatient clinic**
- 2- Fully Equipped Lecture halls**
- 3- Department library**
- 4- Faculty library**
- 5- An equipped Clinical STD unit**
- 6- STDs laboratory**

Course coordinator:

Prof. Samir Elhanbaly, MD

Chairman of the department:

Prof. Ibrahim A. Abdel-Hamid, MD

Date: 3/4/2016