



Program Specification for MD Degree in Urology

Program type: Single

Department offering the program: Urology department

Program Code:

Total Credit points: 255 (150 for M.Sc. + 105 for M.D.)

Academic year: 2016/2017

Program coordinators:

Prof. Hisham Badawy, Prof. Mohamed ElGammal, Prof. Mohamed Salah, Prof. Omar Abdel Razzak, Asst. Prof. Hany ElFayoumy

External Evaluator: Prof. Amr Fergany, Cleveland Clinic Foundation, USA.

I. Aim of the Program

The program is a professional degree that enables candidate to master the area of Genito-Urinary surgery. The candidate should achieve satisfactory levels of basic knowledge, clinical and surgical skills of all aspects of Genito-Urinary surgery practice, interact with community problems, respect ethical values according to community culture, and promote their medical standards through engaging in continuous medical education. The program also aims to enable the candidate to be a lecturer as well as a researcher in the field of Genito-Urinary surgery.

II. Intended Learning Outcomes of the Program (ILOs)

A. Knowledge and Understanding: By the end of the program the candidate should be able to:

- a. Recognize the scientific facts related to Genito-Urinary surgery including the male and female urinary tract and the male genital system.
- b. Identify and discuss common genito-urinary problems.
- c. Distinguish the underlying pathologic processes for common genito-urinary diseases.
- d. Describe different treatment modalities for common genito-urinary problems, generally met in genito-urinary practice.
- e. Understand the concepts of genito-urinary surgeries and the aims to be reached.

B. Intellectual Skills: By the end of the program the candidate should be able to:

- a. Analyze symptoms & signs and construct a differential diagnosis for genito-urinary problems
- b. Design an appropriate diagnostic plan for evaluation of genito-urinary problems.
- c. Interpret the results of genito-urinary investigations and correlate the results together to reach a probable diagnosis.
- d. Set a treatment plan to the diagnosed problem taking into consideration the risks and benefits as well as cultural and individual needs of the patients.

C. Professional and Practical Skills: By the end of the program the candidate should be able to:

- a. Collect clinical history taking from the patient and master its skills taking into consideration other medical and surgical problems the patient might have.
- b. Perform detailed examination of the urinary tract in males and females as well as the genital tract in males.
- c. Perform basic genito-urinary investigations that help in preliminary diagnosis of genito-urinary problems encountered.
- d. Evaluate, categorize, and manage all genito-urinary emergencies as a consultant.
- e. Perform genito-urinary surgeries to manage common genito-urinary problems.

D. General and Transferable Skills: By the end of the program the candidate should be able to:

- a. Communicate efficiently with patients to discuss treatment options and decision making.
- b. Co-operate efficiently with other health care providers.
- c. Gain administrative work skills to supervise the running daily ward activities.
- d. Acquire computer skills necessary for using medical databases, preparing medical presentations.
- e. Gain scientific reading and writing skills enabling him to lead a scientific research.
- f. Develop social and communication skills to present clinical cases and scientific arguments as well as teaching students.

III. Academic standards

1. Academic reference standers: The academic standers of anatomy program is adopted and accredited by the departmental council

2. External References for Standards:

- The curriculum offered by the European Board of Urology (EBU)
- The Curriculum for Urologic Training 2008 published by The Joint Committee on Surgical Training, (an advisory body to the four surgical Royal Colleges of the UK and Ireland)
- Campbell-Walsh Urology 11th edition 2016.

The program also includes some areas of training not mentioned in the aforementioned programs.

V. Program Structure and Contents

Program duration: 3 years

Program structure:

Courses		Credit Points		ILOs
Code	Title	CPS	Total	
COMPULSORY COURSES				
UROL 901 BU	Basics of Urology	2	61	1-a,c
UROL 931UR	Urology	15		1-b,d 2-a,b,c,d 3-a,b,c,d,e 4-a,b,c,d,e,f
UROL 931 C	Urology clinical training	44		2-a,b,c,d 3-a,b,c,d 4-a,b,c,d,e,f,g
ELECTIVE COURSES				
UROL 931 LAS	Appraisal & Research in Laser Physics	1	2	1-d,e
UROL 931 LITH	Appraisal & Research in Lithotripsy Physics	1		
UROL 931 OPT	Appraisal & Research in fiber-optics Physics	1		
UROL 931 SOL	Appraisal & Research in Physical Chemistry & Solubility	1		
	Appraisal & Research in Medical Immunology	1		

UROL 931 IMMUN			
SCIENTIFIC ACTIVITIES			
	2	2	4-c,d,e,h,i
THESIS			
	40	40	4-h,i

MD Thesis:

All MD degree students should prepare a thesis in. The research and ethical committee must approve the protocol of the research. The thesis may include a review part and a research part. The thesis is supervised by one or more senior staff members and may include other specialties according to the nature of the research. The thesis should be evaluated and approved by a committee of three professors including one of the supervisors and an external professor.

Scientific Activities:

The candidates should participate in the scientific activities of the department such as:

- Seminars.
- Journal clubs.
- Scientific meetings.
- Workshops.
- Conferences.
- Thesis discussions.

Each activity is monitored and given credit points registered in a special section in the logbook. Candidates should collect the required points before allowed to sit for final exam.

VII. Assessment

A: Assessment Tools

- **Supervision and Monitoring of Training Program**

According the Faculty of Medicine, Cairo University Bylaws for practical Training Programs, professors carry continuous assessment during the program. A practical training program logbook will be kept for each candidate to document all his/her practical activities as well as his/her participation in different scientific activities. The head of the department should allow the candidates to undergo the final examination when they complete their training program and collect the credit points needed.

- **Formal Assessment**

Basic sciences

- Urologic Anatomy and Pathology:
 - 2-hour written examination in 1 paper (including short essay and multiple choice questions) + oral exam.
- Urology:

- 3 written exams (3-hours in paper 1 & 2 + commentary 2 hours) including multiple choice questions, Short essays (including problem solving) + oral exam + clinical exam.

The written exams will be held in two consecutive days, this will be followed by the oral and clinical in separate days.

B: Assessment Schedule:

Four Written exams will be held in four days:

Day one: General Urology (3 hours)

Day two: General Urology (3 hours)

Day three: Urologic Anatomy & Pathology (2 hours)

Day four: Urology Commentary (2 hours)

This will be followed by the clinical and oral exams in separate days

C: Weighing Of Assessment (Marks allocated to courses):

(50 marks for each credit point)

Courses		Marks			
Code	Title	Written	Oral	C/P*	Total
UROL 901 BU	Basics of Urology	60	40	—	100
UROL 931UR	Urology	100 + 100 + 100	200	250	750
Total					850

* C: clinical exam; P: practical exam

Remarks

- It is mandatory to pass all the papers of written exams separately.
- **The passing mark in any written exam is $\geq 60\%$.**

VIII. Evaluation

Evaluator	Tool	Sample
1. Senior Students	Questionnaire at the end of the program	Sample of the postgraduate students
2. External Evaluators	Review the program and courses Attend the final exam.	Annual report

Date of approval by the department's council:

Signature:

Program Coordinator

Head of the Department