



PROGRAM COORDINATOR

Prof Dr. Olfat Noah

CAIRO UNIVERSITY

**Program specification of
MD degree of obstetrics
and gynecology department**

Head of department

Prof Dr. Mohamed Zayed



Cairo University
Faculty of Medicine



Program Specification for MD Degree of: **Obstetric & gynecology**

Program type: Single

Department offering the program: **Obstetric & gynecology**

Department

Program Code: OBGYN 900

Total credit points: 260

Academic year: 2016/2017

Program Coordinators: Prof Dr. Olfat Noah Riad

**External evaluators: Prof Dr. Hashem Abdel Fatah Abdel Lateef Salem
(faculty of medicine Alexandria University)**

I. Program goals

Candidate is expected to have:

- Advanced knowledge of normal and abnormal obstetrics, endocrine and fertility problems in female patients, urogynecology ,gynecologic oncology and infection other related gynecological problems
- High levels of clinical and surgical skills in all aspects of Obstetric & gynecology practice, interact with community problems, respect ethical values according to community culture, and promote their medical standards through engaging in continuing medical education.
- Clinical competence in gynecologic endoscopy, reproductive endocrinology and infertility
- Clinical competence in ultrasound in obstetrics and gynaecology with sound knowledge and comprehension of the academic basis of ultrasound - hence to integrate academic and clinical education.
- The program also aims to introduce the candidate to the basics of scientific medical research and EBM principles.

Duration of the course: 2 years

11- Intended learning outcomes of program (ILOs)

1. Knowledge and understanding: By the end of the program the candidate should know;

- a) Basic and advanced scientific knowledge related to human reproduction both anatomical and physiological
Including normal and abnormal pregnancy, normal and abnormal labor, female fertility and infertility, gynecologic oncology, infection and other related gynecological problems.
- B) Identify and discuss different problems related to (urogynecology , gynecologic oncology ,infertility , infection) and (normal and abnormal labor , normal and abnormal pregnancy ,normal and abnormal fetal condition and puerperal problems.
- c) Distinguish the basic pathology underlying different _Obstetric & gynecology disorders
- d) Understand basic concepts of gynecology laboratory procedures related to assisted conception, female infertility.
- e) Describe different management modalities for various Obstetric & gynecology problems, family planning and contraception.
- f) Recognize the principles of surgical procedures that enables the candidate to perform endoscopic surgeries related to gynecology and their complications
- g) Current applications of ultrasound and imaging modalities in obstetrics and gynecology, the underlying scientific principles, safety, and equipment design including three dimensional ultrasound.

H) Anatomy:

The candidate should know the anatomy of

- (1) the pelvis including the bony structure, muscle, blood vessels, lymphatics, and nerves , the abdominal and pelvic viscera, their anatomic relationships to one another, and to the other structures within the pelvis

- (2) The abdominal wall layers, vascular supply, and nerve supply of the abdominal wall
- (3) The retroperitoneal spaces of the pelvic, the pre-vesical space (Space of Retzius), the para-vesical space, the vesico-vaginal space, the para-rectal space, and the pre-sacral space
- (4) The gastrointestinal tract and the genitourinary tract including the course of the ureter, and the major vessels through the lower abdomen and pelvis
- (5) The pelvic support in relation to pelvic floor defects and urinary incontinence and the pelvic viscera as well the embryological origin as it relates to congenital anomalies –
 - I) Instrumentation for Operative Laparoscopy, The candidate should know:
 - (1) The indications, risks and benefits of laparoscopic surgery
 - (2) The various approaches for peritoneal access, Instrumentation for diagnostic Hysteroscopy, Complications of Hysteroscopy – Prevention, Recognition and Management.
 - J) Knowledge about medical statistics and terminology
 - k) An introduction about biophysics of technologies used in our daily work: US/, Power use, Laser, biophysics of urodynamic, Robotic surgery.
 - l) Ability to construct a research work and comply with international requirements for editing and scientific evaluation of other work. Increase the ability of use of web in the best way

2. Intellectual skills: By the end of the program the candidate should be able to;

- a) Analyze symptoms & signs and construct a differential diagnosis for common obstetric and gynecological complaints.
- b) Design an appropriate diagnostic plan for evaluation of common obstetric and gynecological complaints taking into consideration the nature of the clinical situation and the risks, benefits and costs to the patient.
- c) Interpret the results of different investigations related to common obstetric and gynecological complaints.

- d) Set up treatment plans for common and rare obstetric and gynecological problems taking into account the cultural and individual needs.
- e) In patients with endocrinologic disease or infertility the Candidate should be able to take a comprehensive medical history, perform a general physical examination in addition to a specific gynecologic history and physical examination; select, organize, accomplish and interpret the diagnostic techniques needed to establish a diagnosis; evaluate coexisting disease or factors which may have a bearing on selection of and response to treatment; and evaluate the response to therapy.
- f) The ability to discuss and choose the best method of contraception in different situation

3- Professional and practical skills:

By the end of the program the candidates should be able to;

- A) Collect clinical data specially the art of history taking in sensitive issues such as infertility and urogynecology problem.
- B Examine and identify signs of common and rare obstetric and gynecological disorders.
- C Perform office clinical procedures related to female infertility, Ultrasound, and office hysteroscopy.
- D Offer proper medical treatment for obstetric and gynecological problem.
- E Perform basic surgical skills and manage common surgical complications related to the external and internal female reproductive organs.
- F Offer ultrasound examination both transabdominal and transvaginal whenever indicated, Perform endoscope surgery

- G Manage all obstetric and gynecological emergencies properly.

4 General and transferable skills (communication skills): By the end of the program the candidates should be able to;

- A - Communicate with the patients to gain their confidence.
- B - Respond effectively to a patient's emotional and psychosocial concerns
- C - Communicate with other health care providers.
- D - Appreciate team working.
- g) -Achieve Computer skills necessary to make use of medical data bases and use the internet for communication.

- h) Show administrative skills that enables him to fulfill the paper work needed
- i) Show leadership skills that enable him to organize work and lead the junior paramedical staff.
- j) Understand different scientific methodologies and have critical reading abilities
- k) Write scientific article according to the basics of scientific research.
- l) Internet browsing and surfing.

III. Academic standards.

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

2. External references for standards:

- a- Area of reproductive medicine: (The curriculum offered by the European Society of Human Reproduction, ESHRE)
- b- The postgraduate education program in Obstetrics and Gynecology at McMaster University

NB The program also incorporates other diagnostic procedures and surgical procedures for other Gynecological problems not included in the afore mentioned programs

IV. Program admission requirements.

According the Faculty of Medicine, Cairo University Bylaws for Post Graduate Programs (July 2009), applicants should have master degree.

Admission to the program is open during January and July. Training prior to registration may be accredited according to departmental and hospital evaluation.

V. Program structure and contents.

Program duration: two years.

Program structure: Total Credit points 260

• **Master degree** **160** credit points

• **Compulsory courses :**

- Basic sciences of obstetrics and gynecology courses(OBGYN 928 BOG

3 credit points

- Gynecology (OBGYN 928 GYN) 6 credit points
- Obstetric (OBGYN(928 OB) 6 credit points
- **Elective courses(one course)**
 - Immunology (OBGYN 928 IM) 3 credit points
 - Genetics (OBGYN 928 GE) 3 credit points
 - Molecular biology (OBGYN 928 MB) 3 credit points
- **Scientific activities** 2 credit points
- **MD training program** 40 credit points
- **MD Thesis** 40 credit points.

Scientific Activities:

The candidate should participate in the scientific activities of the departments such as:

Scientific Activities:

The students should participate in the following scientific activities of the department:

- 1- Staff round: once rounds every week
- 2- The Department Conference: once weekly
- 3- Journal club (presenting scientific articles): once weekly
- 4- Mortality and morbidity conference: once weekly
- 5- Postgraduate seminars: once weekly
- 6- Scientific meetings arranged by the Department.
- 7- Scientific meetings arranged by other departments or Universities.
- 8- Attendance of discussion of thesis.

Each activity is monitored and given credit points

The candidate should collect the required points before allowed to sit for final exam.

Courses	Course modules	Credit points	total	ILOs
<u>MASTER degree</u>		<u>160</u>		<u>2 a,b,c,d</u> <u>3 d</u>
Compulsory courses				
	obstetric	<u>6</u>		<u>1 b,e</u>

	Gynecology	<u>6</u>		<u>1 b, e, f</u>
	<u>Basics of obstetric and gynecology</u>	<u>3</u>		1a,c, d,h
		<u>total</u>	<u>15</u>	
	Elective Courses (MEDC) choose 1 courses		<u>3</u>	1 a
	Scientific activities		<u>2</u>	3 (a-j)
	<u>Clinical training program</u>		<u>40</u>	
	MD thesis		<u>40</u>	
Total scientific degree			260	

MD training program

US course (2 months full time), MIS course (2 months full time), oncology course (2 months full time), reproductive endocrinology course (2 months full time), emergency course(2 months full time) and urogynecology course (2 months full time).

MD Thesis.

All MD-degree students should prepare a thesis in one of the given subject put by the scientific committee of obstetrics and gynecology. The department and the ethical committees must approve the protocol of the research.

V. Regulations for progression and program completion

After collecting the required credit points for the respective courses, and the scientific activities, discussion and acceptance of their thesis, the student will be eligible to sit for the written exams

Those who will succeed will be eligible for oral and clinical exams

VI. Assessment

A: Assessment Tools:

1- Pretest performance:

It helps to judge if prerequisite learning is necessary.

2- Supervision & Monitoring of the Training Program:

There may be end of unit testing, rating of performance

Each candidate should receive a certificate for passing each training program documented from the responsible committee

3- Formal Assessment

According to the Faculty of Medicine, Cairo University Bylaws for Post Graduate Programs (July 2009), candidates should be assessed at the end of the course

Compulsory courses

Gynecology 3-hour written exams , oral exam + clinical exam

Obstetric_____3-hour written exams , oral exam + clinical exam.

Commentary (case obstetric & case gynecology): 1.5-hour written exams

Basic sciences of obstetric and gynecology courses: 1.5-hour written exams.

Elective courses: 1.5-hour written exams

B: Assessment Schedule:

The written exam will be held in May and November (four days):

Subject	Exam	Written	Oral	Clinical	Total
Gynecology		<u>150</u>	<u>50</u>	<u>50</u>	<u>250</u>
Obstetric		<u>150</u>	<u>50</u>	<u>50</u>	<u>250</u>
commentary		<u>100</u>			<u>100</u>
Basic sciences of obstetrics and gynecology courses		<u>150</u>			<u>150</u>
Elective courses		<u>50</u>			<u>50</u>

External evaluator recommend evaluation of surgical skills throw operative exam to avoid graduating a very educated candidate with a very low surgical abilities.

VII. Evaluation of program intended learning outcomes:

<i>Evaluator</i>	<i>Tool</i>	<i>Sample</i>
1. Senior Students	Questionnaire at the end of the program	All the MD candidate
2. Alumni	The faculty is currently developing an Alumni office for postgraduates	Not yet determined
3. Stakeholders	A meeting will be arranged during the annual conference of the department	Available representatives from: <ul style="list-style-type: none"> • Army hospitals • National medical insurance • Medical syndicate • Ministry of health
4. External Evaluators	Review the program and courses Attending the final exam.	Once before implementation Bi-annual report
5. College Quality Assurance committee	Annual program review	

Date of approval by department council

Head of Department

Prof Dr. Mohamed Zayed

Program Coordinator

Prof Dr. Olfat Noah Riad

