



**Benha University**  
**Faculty of medicine**  
**Department of Obstetrics and Gynecology**  
**Department of Obstetrics and Gynecology**  
**Course specifications for MD degree**



يد

توصيف برنامج توصيف برنامج (الدكتوراة عام 2013-2014)

**\* معلومات أساسية :** basic information

1 - اسم البرنامج : MD degree of obstetrics and gynecology

2 - طبيعة البرنامج : multiple (مشارك)

3- القسم/ الأقسام المسئولة عن البرنامج: --- Obstetrics and Gynaecology - pathology- anatomy- microbiology

4- تاريخ إقرار البرنامج فى مجلس القسم : ٥ / ٩ / ٢٠١٣

5- تاريخ إقرار البرنامج فى مجلس الكلية ٣٥٦ : 15 / ٩ / ٢٠١٣

6- مسؤل البرنامج. Prof. Dr Moharram Abdelhasib

7- المراجعة الداخلية للبرنامج: Prof. Dr Samy Abdel Azim

8- المراجعة الخارجية للبرنامج: Prof. . Magdy Abd –El Gawad professor of

obstetrics and gynecology Ain Shams university

قسم أمراض النساء والتوليد

**1- Program aims:**

*The overall aims of the program are-----*

**1.1**To enable candidates to Master high level of clinical skills, bedside care skills of Obstetrics and Gynaecology, in addition to update medical knowledge as well as clinical experience and competence in the area of high risk pregnancy, endoscopy, family planning, reproductive medicine, as well as enabling the candidates of making appropriate referrals to a sub-specialist.

**1.2**To Provide in depth candidates with fundamental knowledge of emergency Obstetric care as regards; dealing with critical Obstetric patients, prophylactic management of high risk cases, running a busy emergency Obstetric unit, cooperative management of patients in conjunction with other departments, fundamentals of surgical intervention and postoperative critical care, and ICU referral and management.

**1.3**To introduce candidates to the basics of scientific medical Research.

**1.4** Enable candidates to start professional careers as specialists in Egypt but recognized abroad.

**1.5** To enable candidates to understand and get the best of published scientific research and do their own.

**2-Intended Learning Outcomes (ILOS):**

## 2.a. Knowledge and Understanding

٢. أ - المعرفة والفهم :

*On successful completion of the program, the graduate will be able to:*

**2.a.1. Understand** in-depth knowledge and understanding of theories, basics and updated biomedical, clinical epidemiological and socio-behavioral science relevant to Obstetrics and Gynaecology as well as the evidence – based application of this knowledge to patient care.

**2.a.2. Recognize** basics, methodology, tools and ethics of scientific medical, clinical research.

**2.a.3. Discuss** principles and measurements of quality assurance and quality improvement in medical education and in clinical practice of Obstetrics and Gynaecology.

**2.a.4. Illustrate** health care system, public health and healthpolicy, issues relevant to this specialty and principles and methods of system – based improvement of patient care in common health problems of the field of Obstetrics and Gynaecology.

## 2.b. Intellectual Skills:

٢. ب - القدرات الذهنية :-

*On successful completion of the program, the graduate will be able to:*

**2.b.1. Design** the basic and clinically supportive sciences which are appropriate to the specialty related conditions / problem / topics.

**2.b.2. Analyze** an investigatory and analytic thinking “problem solving “approaches to clinical situation related to specialty.

**2.b.4. Construct** research projects.

**2.b.5. Relate** scientific papers.

**2.b.6. Interpret** in clinical risk management as a part of clinical

governance.

**2.b.8. Plan** for quality improvement in the field of medical education and clinical practice in his specialty.

**2.b.9.** Create plans, systems, and other issues for improvement of performance in his practice.

**2.b.10** Present and defend his / her data in front of a panel of experts.

**2.b.11** Formulate management plans and alternative decisions in different situations in the field of the specialty.

**2.c. Practical and professional Skills:**

٢. ج . مهارات مهنية وعملية : *On*

***successful completion of the program, the graduate will be able to:***

**2.c.1. Manage** extensive level of patient care is compassionate, appropriate, an effective for the treatment of health problems and the promotion of health. Extensive level means in- depth understanding from basic science to evidence – based clinical application and possession of skills to manage independently all problems in field of practice.

**2.c.2** provides extensive level of patient care for patients with all common diagnoses and for uncomplicated procedures related to Obstetrics and Gynaecology.

**2.c.3** provides extensive level of patient care for non-routine, complicated patients and under increasingly difficult circumstances, while demonstrating compassionate, appropriate and effective care.

**2.c.4** Perform diagnostic and therapeutic procedures considered essential in the field of Obstetrics and Gynaecology.

**2.c.5** Handle unexpected complications, while demonstrating compassion and sensitivity to patient needs and concerns.

- 2.c.6** demonstrate caring and respectful behaviors when interacting with patients and their families in Obstetrics and Gynaecology related situations.
- 2.c.7** Gather essential and accurate information about patients of Obstetrics and Gynaecology related conditions.
- 2.c.8** Make informed decisions about diagnostic and therapeutic interventions based on patient information and preferences, up-to-date scientific evidence and clinical judgment for Obstetrics and Gynaecology related conditions.
- 2.c.9** Develop and carry out patient management plans for Obstetrics and Gynaecology related conditions.
- 2.c.10** Counsel and educate patients and their families about specialty related conditions.
- 2.c.11** Use information technology to support patient care decisions and patient education in all Obstetrics and Gynaecology related clinical situations.
- 2.c.12.** Perform competently all medical and invasive procedures considered essential for Obstetrics and Gynaecology related conditions / area of practices.
- 2.c.13** Apply health care services aimed at preventing Obstetrical and Gynaecology related health problems.
- 2.c.14** Perform health care professionals, including those from other disciplines, to provide patient-focused care in Obstetrics and Gynaecology related conditions.
- 2.c.15** Write competently all forms of patient charts and sheets including reports evaluating these charts and sheets.(Write and evaluate a consultation

note, Inform patients of a diagnosis and therapeutic plan, completing and evaluating comprehensive, timely and legible medical records).

**2.d. General and transferable skills:-**

٢.د . مهارات عامة و منتقلة:

***By the end of the program the candidate should be able to:***

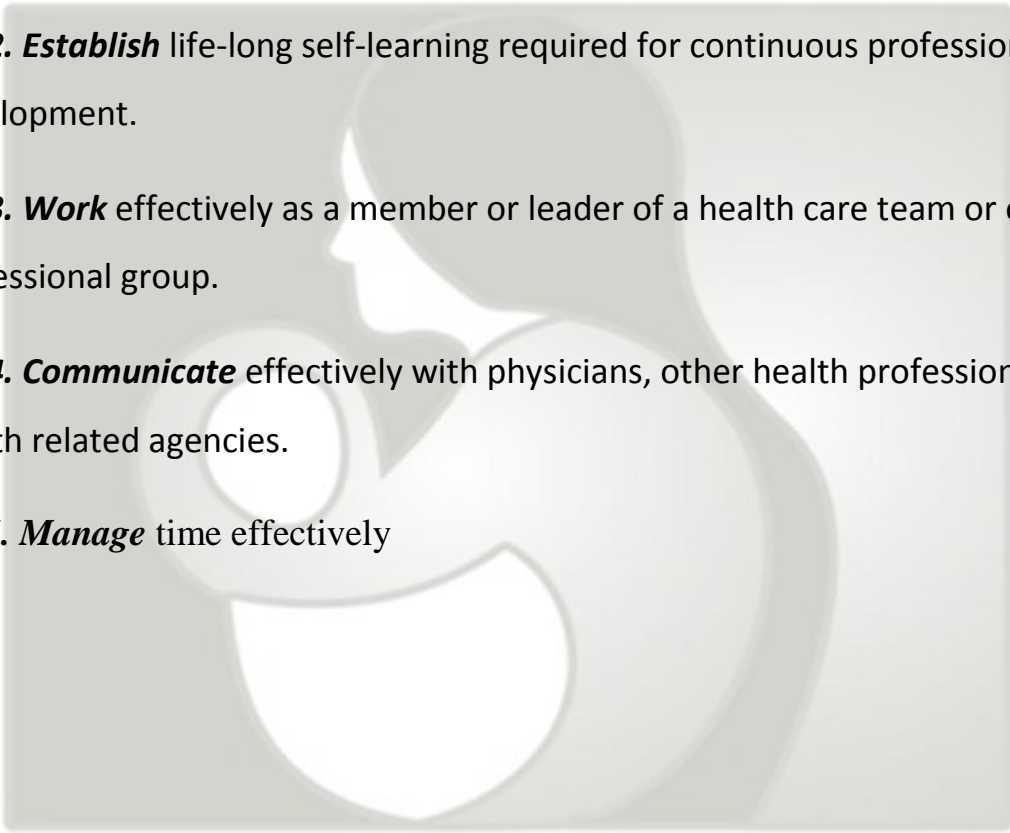
**2.d.1. Use** the sources of biomedical information and communication technology to remain current with advances in knowledge and practice.

**2.d.2. Establish** life-long self-learning required for continuous professional development.

**2.d.3. Work** effectively as a member or leader of a health care team or other professional group.

**2.d.4. Communicate** effectively with physicians, other health professionals, and health related agencies.

**2.d.5. Manage** time effectively



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### 3- Academic Standards

٣ - المعايير الأكاديمية للبرنامج:

- **Academic Standards of MD of Obstetrics and Gynecology**, approved in department council date 6 / 2013, and in faculty council 354 date 16 / 6 / 2013. (ملحق ١)

### 4- Reference standards (benchmarks)

٤ - العلامات المرجعية:

- a) المعايير القياسية لبرامج الدراسات العليا (درجة الدكتوراة) الصادرة عن الهيئة القومية لجودة (مارس ٢٠٠٩) التعليم والإعتماد

### Academic reference standards (ARS) , Master Program (March 2009)

, which were issued by the National Authority for Quality Assurance & Accreditation for education NAQAA E (ملحق ٢)

- b) **Academic reference standards of University Of Alabama, Department of Obstetrics and Gynecology.** (<http://www.obgyn.uab.edu/GeneralSite/ObGyn/Fellowship/FellowshipPrograms.aspx>).

### (5): Program structure and contents

٥ - هيكل ومكونات البرنامج :

#### A. Duration of program: 4 years

#### B. Structure of the program:

Total number of hours:

Didactic: 580 hours (13.3%), practical: 3766(86.7%).total: 4346 hours.

First part

Didactic: 80 hours (54.8%), practical: 66 hours (45.2%).total:

146 hours. Second part

Didactic: 500 hours (11.9%) practical 3700 hours (88.1%) total:

4200 hours.

#### According the currently applied bylaws:

Compulsory courses: 100% Optional

courses: N/A Elective courses:

#### C- Program Time Table

**Duration of program 4 years divided into**



### o **Part 1**

Program-related essential courses

anatomy

Pathology

Microbiology

Reproductive physiology

- Students are allowed to sit the exams of these courses after 6 months from applying to the M D degree.

### o **Part 2**

Minimum 2 years

Program –related academic and specialized science courses and ILOs

Students are not allowed to sit the exams of these courses before 2 years from passing the examinations of the first part.

### o **Part 3**

Thesis

MD thesis subject should be officially registered maximally one and half years from applying to the MD degree,

Discussion and acceptance of the thesis should not be set before 24 months from registering the M D subject and maximally after 4 years; It could be discussed and accepted either before or after passing the second part of examination)

Students have to pass the final written exams to be eligible to sit the oral and clinical exams. If the student fails to pass the clinical and oral exams for 4 times, he has to repeat the final written exam again.

Final written exams degrees and the case solving are all added together.

The students pass if they get 60% from the summative written exams and 60% from oral and clinical exams.

Total degrees 1000 marks.

Written exam 40% (400 marks).

Clinical and oral exams 60% (600 marks)

**D- Curriculum Structure: (Courses):**

- a- Elective courses: none
- b- Selective: none
- c- **الزامي compulsory courses of the program**

**Levels and courses of the program:**

Modules/ courses and student work load list	Units delivering
<b>First Part</b>	
Essential Courses	
1) anatomy	
2) pathology	
3) microbiology .	
4) reproductive physiology	
<b>Second part</b>	
Specialized Courses	
: Obstetrics and Gynaecology:	
1. Unite (Module) 1: Maternal and Fetal Medicine	
2. Unite (Module) 2: Reproductive Medicine and Subfertility	
3. Unite (Module) 3: Female Pelvic Medicine and Reconstructive Surgery	
4. Unite (Module) 4: Gynaecological Oncology	
<b>Third Part</b>	
Thesis	

- درجة الدكتوراه في: أمراض النساء والتوليد

الساعات المعتمدة	الكود	المقررات	البند
٧ ساعات		علوم طبية أساسية يقوم بالتدريس قسم أمراض النساء والتوليد مع الإستعانة بالأقسام المختصة وهي:	القسم الأول
		مواد إجبارية:	
١.٥ ساعة	OBN 701	التشريح فيما يتعلق بأمراض النساء والتوليد	
١.٥ ساعة	OBN 702	الميكروبيولوجي فيما يتعلق بأمراض النساء والتوليد	

٣ ساعات	OBN 703	الباثولوجيا فيما يتعلق بأمراض النساء والتوليد	
١ ساعة		مواد إختيارية (يختار واحد فقط منها):	
لكل منها		فسيولوجيا التكاثر	
		علم المناعة فيما يتعلق بأمراض النساء والتوليد	
		علم الوراثة	
		علم البيولوجيا الجزيئية	
٢٤ ساعة		تشمل دراسة التخصص الآتي:	القسم الثاني
	OBN 704	محاضرات نظرية	
	OBN 705	إجتماعات علمية موسعة	
	OBN 706	دروس إكلينيكية	
	OBN 707	حضور العمليات والحضور بقسم التوليد	
	OBN 708	مرور داخلي بالأقسام	
١٤ ساعة		تسجل بها الأنشطة المختلفة:	كراسة الأنشطة
٧ ساعات		حضور المؤتمرات والندوات العلمية ومناقشات رسائل الماجستير والدكتوراه	
٧ ساعات		الدورات التدريبية في المهارات المختلفة مثل الموجات فوق الصوتية والمناظير الجراحية	
١٥ ساعة			رسالة الدكتوراه
٦٠ ساعة			الإجمالي

**\*\* وتكون طريقة حساب الساعات المعتمدة كما يلي:**

**ساعة واحدة معتمدة = ساعة واحدة نظرياً أسبوعياً لمدة فصل دراسي (١٥ أسبوع) أي ١٥ ساعة محاضرات نظرية في الفصل الدراسي.**

**= ثلاث ساعات تدريب عملي وإكلينيكي ومعلمي وجراحي أو سريري لمدة ١٥ أسبوع أي ٤٥ ساعة في الفصل الدراسي في المقررات غير مادة التخصص في الجزء الأول للماجستير والدبلوم تقرر أن يكون إحتساب نصف ساعة معتمدة تساوي ساعة نظرياً أسبوعياً لمدة فصل دراسي.**

عدد الساعات المعتمدة للدبلوم لا تقل عن ٣٠ ساعة والماجستير ٣٦ إلى ٤٨ ساعة

والدكتوراه لا تقل عن ٦٠ ساعة.

نظام الإمتحان:

الجزء الأول:

- إختبار تحريري مدته ثلاث ساعات في العلوم الأكاديمية " التشريح الجراحي + الميكروبيولوجيا + باثولوجي فيما يتخص أمراض النساء والتوليد " + إختبار شفوي.

الجزء الثاني:

- إختباران تحريريان مدة كل منهما ٣ ساعات أحدهما في أمراض النساء والآخر في التوليد.
- إختبار تحريري مدته ساعة ونصف لحالة يتولي الطالب شرحها ووصف علاجها. وفي نفس اليوم إختبار إختياري تحريري مدته ساعة ونصف في أحد الفروع الآتية "فسيولوجيا التكاثر - علم المناعة فيما يتعلق بأمراض النساء وعلم الوراثة وعلم البيولوجيا الجزيئية.
- إختبار شفوي مع أشعات وآلات جراحية وعمليات.
- إختبار إكلينيكي حالات قصيرة وطويلة.

## ٦- محتويات المقررات (راجع توصيف المقررات) 6. Courses Contents

The competency based objectives for each course/module/rotation are specified in conjunction with teaching/training methods, requirements for achieving these objectives and assessment methods.

## 7-Program admission requirements

## ٧ - متطلبات الإلتحاق بالبرنامج

✚ Admission Requirements (prerequisites) if any :

### I. General Requirements:

- Master degree in Obstetrics and Gynaecology

### II. Specific Requirements:

- Fluent in English (study language)
- Fluent in English (study language)
- Candidates should have at least grade good in their final of Master degree.

### VACATIONS AND STUDY LEAVE

The current departmental policy is the current departmental policy is to release M.D. candidates' clinical duties for 15-21 days prior to the scheduled date for the first and final certifying M.D. degree examination.

### FEES:

As regulated by the postgraduate studies rules and approved by the faculty vice dean of post graduate studies and the faculty and university councils.

٨ - القواعد المنظمة لإستكمال البرنامج :

### ***8-Progression and completion requirements***

- ✚ Examinations of the first part could be set at 6 months from registering to the MD degree.
- ✚ Discussion of the MD thesis could be set after 2 years from officially registering the MD subject, after setting the second part exams.
- ✚ The maximum duration of the program is 4 years could be extend to 5 in certain conditions.

### ***The students are offered the degree when:***

1. Passing the exams of all essential and specialized courses of this program as regulated by the post graduates approved rules by the faculty council.
2. Discussion and acceptance of the MD thesis

٩ - طرق وقواعد تقييم الملتحقين بالبرنامج

### **9- Students Assessment Methods**

ما تقيسة من مخرجات التعلم المستهدفة	الطريقة	م
To assess knowledge and understanding & intellectual skills: From 2.a.1.....2.a.10. and b.1.....2.b.٨.	Written examination	1

<p>To assess knowledge and understanding, intellectual skills &amp; General &amp; transferable skills  <b>2.a.1.....2.a.10., 2.b.1.....2.b.8., 2.d.1.....2.d.8.</b></p>	<p>Oral examination</p>	<p>2</p>
<p>To assess knowledge and understanding, intellectual skills &amp; practical and clinical skills and General &amp; transferable skills:  <b>2.a.1.....2.a.10., 2.b.1.....2.b.8., 2.d.1.....2.d.8.2.a.1.....2.a.10., 2.c.1.....2.c.8.</b></p>	<p>Practical &amp; clinical examination</p>	<p>3</p>

**Weighting of assessments:**

Courses	Course Code	Degrees	Total
First Part	Course Code		
Essential Courses:			
<b>anatomy</b>	OBGN 701	200	
<b>pathology</b>	OBGN 703	200	
<b>microbiology</b>	OBGN 702	200	
<b>Reproductive physiology</b>	OBGN	200	
Second Part			
	Course code		Total
Specialized Courses			
Obstetrics and Gynaecology:	OBGN 704 OBGN 705 OBGN 706 OBGN 707 OBGN 708		
Obstetrics			
Gynaecology			
Commentary			
<b>Total</b>			<b>1000</b>

## Examination system:

### Ø First part:

Written exam 2hours in anatomy+

practical exam

Written exam 2 hours in pathology+practical exam

Written exam 2 hours in microbiology practical and oral exam

Written exam 2 hours in genetics and oral exam

### Ø Second part:

Written exam papers 3 hours for each in Obstetrics + Oral exam+ Clinical exam

Written exam papers 3 hours for each in Gynaecology + Oral exam+ Clinical exam+ Operative

Written exam 1.5 hours in Written exam Two papers 3 hours for each in Obstetrics and Gynaecology:+ Oral exam+ Clinical exam

Commentary)

### Evaluation of Program:

### ١٠ - طرق تقويم البرنامج:

Evaluator	Tools	sample
Internal evaluator (s) مقيم داخلي	Focus group discussion Meetings	Report ٢-١
External Evaluator (s) مقيم خارجي	Reviewing according to external evaluator checklist report of NAQAA.	1-2 Report
Senior student (s) طلاب السنة النهائية	مقابلات , استبيان	جميع الطلبة
Alumni الخريجون	مقابلات ، استبيان	عينة لا تقل عن ٥٠% من طلبة آخر ٣ دفعات
Stakeholder (s) أصحاب العمل	مقابلات ، استبيان	عينة ممثلة لجميع جماعات العمل
Others طرق أخرى	none	

١١- استراتيجيات التعليم و التعلم علي مستوي البرنامج:

١. استراتيجية التعلم النشط. Active learning

٢. استراتيجية التعليم المبني على النتائج. Outcome-based learning

٣. استراتيجية التعليم المبني على حل المشكلات. Problem-based learning

٤- استراتيجية التعليم المبني على الدليل evidence based medicine

**Program Coordinator:**

**Name prof. Moharram Abdelhasib**

**Date ٢٠١٣/٩/١٥**



قسم أمراض النساء والتوليد



# Courses specification

Benha University

Faculty of Medicine

Department of Anatomy & Embryology.

## Course Specifications

**Course title** GYNACOLOGY MD ANAT 701

**(Code)**

**Academic Year (2013 – 2014)**

• **Department offering the course:** Anatomy & Embryology

• **Date of specification approval**

### A) Basic Information:

- **Allocated marks** 200 \_\_\_ marks
- **Course duration:** 15 weeks of teaching
- **Teaching hours:** 15 lecture 1 hours/week = 1h/w for 15 hours \_\_\_ total teaching hours

	Hours / week	Total hours
1- Lectures&practical	1h/w	15h

### B) Professional Information:

#### 1- Overall Aim of the Course:

- 1.1 The aim of the program is to provide the postgraduate educational experience necessary for further practice in **anatomy**.
- 1.2 To educate postgraduates about the anatomy of FEMAL GENITAL SYSTEM
- 1.3 To enable the postgraduates to know the anatomy of EXTERNAL & INTERNAL GENITALIA

#### 2- Intended Learning Outcomes (ILOs):

## **2.1 Knowledge and understanding:**

*By the end of the course ,postgraduates should be able to:*

- 2.1.1 Describe the morphology , location ,vasculature , innervations & relations of different parts of FEMAL GENITALIA
- 2.1.2 Classify the most common variations to give an idea for the clinical application.
- 2.1.3 Point out the impact of fine structure of the anatomical components.
- 2.1.4 Describe the details of applied anatomy.

## **2.2 Practical and clinical skills:**

*By the end of the course, postgraduates should be able to:*

- 2.2.1- Perform anthropometric techniques & methods, stereological assessment, comparative anatomy.
- 2.2.2-Apply the radiological anatomy to know structure of deeper details.
- 2.2.3 Apply the surface anatomy of the visible and deeper structures
- 2.2.4-Perform anthropometric techniques & methods.
- 2.2.5- Perform a cross sectional anatomical specimens.
- 2.2.6Perform stereological assessment.
- 2.2.8-Perform comparative anatomy.

## **2.3 Professional attitude & behavioral skills:**

*By the end of the course, postgraduates should be able to:*

- 2.3.1-Comunicate effectively with teaching staff and colleagues.
- 2.3.2- Respects appropriate attitude towards teaching staff and colleagues
- 2.3.3- Appropriate ethical and professional education necessary for demonstrating appropriate attitudes with students and colleagues.

## **2.4 Communication skills:**

- 2.4.1 Cope up with difficult situations as breaking news.
- 2.4.2. Respect superiors, colleagues and all members of the health profession.
- 2.4.3 Communicate clearly, sensitively and effectively with colleagues from a variety of health and social care professions.

## **2.5 Intellectual skills:**

*By the end of the course, postgraduates should be able to:*

2.5.1- Interpret result of radiological and surface anatomy

2.5.2 Solve problem of environmental factors on the development of body systems.

## **2.6 General and transferrable skills**

*By the end of the course, postgraduates should be able to:*

2.6.1. Establish life-long self-learning required for continuous professional development.

2.6.2. Use the sources of biomedical information and communication technology to remain current with advances in knowledge and practice.

2.6.3. Establish effective interpersonal relationship to Communicate ideas and arguments .

2.6.4. Retrieve, manage, and manipulate information by all means, including electronic means.

2.6.5. Present information clearly in written, electronic and oral forms.

2.6.6. Establish effective interpersonal relationship to Communicate ideas and arguments.

2.6.7. Apply the principles of statistical methods for collection, presentation & analysis of all types of data .

## **3- Course contents:**

### **FEMALE URO-GENITAL SYSTEM & VULVA:**

-Gross anatomy, fine (microscopic) structure, development & Anomalies

### **FEMALE PELVIS:**

-All about +Bones & Articulation +Anomalies.

### **FEMALE BREAST**

### **ENDOCRINE**

-Hypothalamus, pituitary, thyroid and adrenal glands.

### **ABDOMEN:**

-Walls, anatomy of abdominal incisions.

-Peritoneum, Viscera, Blood vessels, Lymph elements and nerves (somatic & autonomic) in Abd. & Pelvis.

-Contents of vertebral canal & Morphology of the spinal cord + Meninges and anatomy of Lumbar Puncture.

-Pathways of Visceral & Somatic sensation from Abd. and Pelvis.

-Collateral circulations (Arterial & Venous) in Abd. and Pelvis.

### **GENERAL EMBRYOLOGY:**

-Gametogenesis, fertilization, Ovulation and implantation.

-Foetal membranes & twinnings.

-Embryonic Discs and fate of the Germinal layers.

-Congenital maleformations: causes and mechanisms "teratogenesis".

**ANATOMY OF:** Uterine supports, Hysterectomy, and Vaginal examination.

### **4- Teaching and learning methods:**

#### **METHODS USED:**

1. Modified Lectures
2. Small group discussions
3. Practical classes
4. Assay using library and internet
5. Problem Solving

#### **TEACHING PLAN:**

*Lectures:* Lectures

*Practical classes :* practical

**Time plan:**

<b>Item</b>	<b>Time schedule</b>	<b>Teaching hours</b>
Lectures	<u>1</u> times/week; one hour each	15h
<b>Total</b>	<b>1 hour/week</b>	<b>15 h</b>

### **5- Students Assessment methods:**

#### **5-A) ATTENDANCE CRITERIA:**

#### **5-B) Assessment TOOLS:**

Tool	Purpose (ILOs)
Written examination	To assess knowledge and understanding and intellectual skills
Oral examination	To assess knowledge and understanding and intellectual skills and how to make a decision.
Practical examination	To assess practical skills and intellectual

### 5-C) TIME SCHEDULE:

Exam	Week
1- First exam	May or September
2- Second exam	June or October

### 5-D) Weighting System:

Examination	Marks allocated
a- Written	<b>100</b>
b- Practical&oral	100
<b>Total</b>	<b>200</b>

- Passing grades are: EXCELLENT >85%, VERY GOOD 75- <85%, GOOD 65- <75% and FAIR 60-<65%.

### **FORMATIVE ASSESSMENT:**

Postgraduates knows his marks after the Formative exams.

### 5-E) Examinassions description:

Examination	Type	Description
Final Examination	1. Written	A three-hour written paper composed of Long & short essay-type questions, MCQs (two papers-3 hours each)
	2. Practical	Spots   10 spots including slides & Bone, On each specimen, a small question should be answered (quiz). Dissection.
	3. Oral	One oral examination station with 2 staff members (20-30 minutes)

### 6- List of references:

#### 6.1- Basic materials:

Department Books in:

- Thorax -
- -General anatomy

#### 6.2- Essential books (text books):

- Gray's anatomy : Susan Standriary et-al 2008

- Last :Anatomy regional & applied 2006.
- T.W. Sadler :Medical embryology 2010
- Carpenter's: Human Neuroanatomy.1996

### **6.3- Recommended books:**

- Cunningham:Romances,1997
- Keith Moore &Persaud :before we are born,2008
- BruceCarlson:Humanembryology&development,2009
- **6.4- Periodicals, Web sites, ... etc: [www.bfom.edu.eg](http://www.bfom.edu.eg).**

### **7- Facilities required for teaching and learning:**

Facilities used for teaching this course include:

- Lecture halls: 1
- Laboratory: 1
- Information technology / AV aids
- Cadavers.

**Course coordinator:** Prof Dr.Abd-Elwanees Al-Awdan.

**Head of Department:** Prof Dr.Saadia Shalaby.

**Date:** 2013

قسم أمراض النساء والتوليد



**Benha University**

**Faculty of Medicine**

**Department of pathology \_\_\_\_\_.**

## Course Specification

**Course title:** Human Pathology for : Decorate degree of Gynecology & Obestic

**(Code):** \_OBGN703

**Academic Year (2013 – 2014)**

**Department offering the course:** Human Pathology Department

**Academic year of (اسم البرنامج MD program): (2013 – 2014)**

- **Major or minor elements of the program:**
- **Academic level:**
- **Date of specification approval:** Department council /9/2013

### **A) Basic Information:**

- **Allocated marks:** \_marks
- **Course duration:** 15 weeks of teaching
- **Teaching hours:** من الأئحة hours/week = 19 total teaching hours

	<b>Hours / week</b>	<b>Total hours</b>
<b>1- Lectures</b>		<b>11-1/2</b>
<b>2- Small group teaching / tutorials</b>		
<b>3- Practical</b>		<b>7-1/2</b>
<b>4- Others</b>		
<b>Total</b>		<b>19</b>

### **B) Professional Information:**

#### **1- Overall Aim of the Course:**

- 1.1. Good application of basic pathological knowledge essential for the practice of general surgery .

- 1.2. providing basic and specialized services in relation with biopsy diagnosis in the practice of medicine and investigations.
- 1.3. Application of special knowledge & its integration with others that have relation with the special practice
- 1.4. Awareness of the running problems as early tumor detection and diagnosis of most of human body system.
- 1.5. Diagnosis of practical problems as cases study and clinical assessments
- 1.6. Having fundamental knowledge of medical disciplines related to their clinical applications & able to use different technological tools as computer in the field of general surgery
- 1.7. Having acquired competency to be teacher, trainer, researcher and leader in the field.
- 1.8. Diagnosis, problem solving and decision making skills necessary for proper evaluation and management.
- 1.9. development of recent tools & ways essential for medical practice.
- 1.10. Awareness of his role in the progress of society and govern the environment in the light of international & local changes.
- 1.11. honesty and respect the practical rules.
- 1.12. Lifelong learning competencies necessary for continuous professional development.

## **2- Intended Learning Outcomes (ILOs):**

### **2.a. Knowledge and understanding:**

*By the end of the course, students should be able to:*

- 2.1.1. Recognize the dissection of different types of biopsies.
- 2.1.2. Identify laws in relation to the practical work, medical practice and be acquainted with related relevant amendments and also related judgments passed by constitutional courts .
- 2.1.3. Mention the management & diagnosis of cases.
- 2.1.4 Describe the clinical manifestations and differential diagnosis of common pathological cases.



- 2.1.5. discuss the scientific basis and interpretation of various diagnostic modalities essential for general surgery
- 2.1.6. Identify the principles that govern ethical decision making in clinical practice as well as the pathological aspect of medical malpractice.
- 2.1.7. Identify ethics of medical research.
- 2.1.8. Identify basic knowledge & theories needed to support literature retrieval and further research capabilities.
- 2.1.9. identify the importance of life-long self-learning required for continuous professional development.
- 2.1.10. Identify the scope and impact of human rights law on persons and groups.
- 2.1.11 Identify fundamental knowledge of medical disciplines related to their clinical applications & able to use different technological tools as computer in the field of general surgery

## **2.b. Intellectual Skills:**

*By the end of the course, students should be able to:*

- 2.2.1. Diagnose, solve problem and make decision skills necessary for proper evaluation and management.
- 2.2.2. Diagnose the risky problems that could be met during taking biopsies
- 2.2.3. Diagnose the clinical and investigational database problem to be proficient in clinical solving.
- 2.2.4. Perform development in his practice.
- 2.2.5. Perform the most appropriate and cost effective diagnostic procedures for each problem.
- 2.2.6. Perform the knowledge of laws in relation to medical practice and be acquainted with related relevant amendments and also related judgments passed by constitutional courts .
- 2.2.7. Perform the formula of research hypothesis & questions.
- 2.2.8. Diagnose the questioning approach to own work & that of others to solve clinical problems

2.2.8 Diagnose the running problems as early tumor detection and diagnosis of most of human body system.

### **2.c. Practical and Clinical Skills:**

*By the end of the course, students should be able to:*

2.3.1. Diagnose , assess and evaluate of cases and investigation.

2.3.2. Diagnose all important pathological aspects for early cancer detection and assessment.

2.3.3. Perform the gross examination and able to describe the findings of different organs efficiently

2.3.4. Diagnose and manage different cases

2.3.5. perform the assessment of reports like cancer assessment report, cytological report and immunohistochemical report.

2.3.6. Perform different technical skills in his special practice.

### **2.d. General and transferable Skills:**

*By the end of the course, students should be able to:*

2.4.1. Perform the work effectively as a member or a leader of an interdisciplinary team and

2.4.2. Perform the evaluation of others by putting rules & regularities.

2.4.3. Perform life-long self-learning required for continuous professional development

2.4.4. Perform communication technology to remain current with advances in knowledge and practice by using the sources of biomedical information.

2.4.5. perform self criticism. .

2.4.6. Perform information by all means, including electronic means.

2.3.7 perform basic and specialized services in relation with biopsy diagnosis in the practice of medicine and investigations

2.4.8 perform development of recent tools & ways essential for medical practice.

### **3- Course contents:**

Subject	Lectures	Tutorial / Small	Practical	Total	% of
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	(hrs)	group discussion (hrs)	(hrs)	(hrs)	Total
<b>General Pathology</b>					
Cell response to injury, Stem cells and repair, Tissue deposits	1		0	1	
Inflammation ,Granulomas ,Viral disease	1		1	2	
Disturbance of growth Neoplasia, Developmental and genetic diseases	1		1	2	
Circulatory disturbances, Radiation Basic imunopathology	1		0	1	
Diagnostic methods in pathology	1/2		0	1/2	
<b>Special Pathology</b>					
Diseases of the vulva	1/2		1/2	1	
Diseases of vagina	1		1/2	1-1/2	
Diseases of cervix and uterus	1-1/2		2	3-1/2	
Diseases of Placenta: fallopian tubes	1		0	1	
Diseases of the ovary	1		2	3	
Cytology	1		1/2	1-1/2	
Types of biopsies. Diagnostic methods	1/2		0	1/2	
Tumor markers & their role in gynecology & obstetric	1/2		0	1/2	
<b>Total</b>	<b>11-1/2</b>		<b>7-1/2</b>	<b>19</b>	<b>100</b>

#### 4- Teaching and learning methods:

##### METHODS USED:

- 4.1-General lectures & interactive learning.
- 4.2-Small group discussions and case studies
- 4.3-Practical sessions

a- Histopathology slide lab

b- Museum of pathology.

##### TEACHING PLAN:

*Lectures: Division of students into \_\_\_\_\_ groups*

\_\_\_\_\_ /week, Time from \_\_\_\_\_ to \_\_\_\_\_.

**Tutorials:**

**Practical classes**

**Time plan:**

Item	Time schedule	Teaching hours	Total hours
Lectures	_____ times/week; one hour each between _____ to _____		
Practical	_____ hours / _____ week		
Tutorial	_____ hours / _____ week		
<b>Total</b>			

**5- Students Assessment methods:**

**5-A) ATTENDANCE CRITERIA:** Faculty bylaws

**5-B) Assessment Tools:**

Tool	Purpose (ILOs)
Written examination	to assess knowledge, understanding & intellectual skills
Oral examination	to assess knowledge understanding & attitudes
Practical examination	to assess professional and practical skills

**5-C) TIME SCHEDULE:** Faculty bylaws

Exam	Week
1- First part: - written - oral - practical & clinical	
2- Second part: - written - oral - practical & clinical	
3- Thesis	
4- Assignments & other activities	

**5-D) Weighting System:**

Examination	Marks allocated	% of Total Marks
1- First part: a- Written b- Practical		

c- Oral		
2- Second part: a- Written b- Practical c- Oral		
3- Thesis		
4- Assignments & other activities		
<b>Total</b>		

- The minimum passing & Passing grades (Faculty bylaws).

### **FORMATIVE ASSESSMENT:**

Student knows his marks after the Formative exams.

### **5-E) Examinations description:**

<b>Examination</b>	<b>Description</b>
<b>1- <u>First part:</u></b> a- Written b- Practical c- Oral	e.g. MCQs, shorts assay, long essay, case reports, problem solving..... e.g. Do, identify e.g. How many sessions
<b>2- <u>Second part:</u></b> a- Written b- Practical c- Oral	e.g. MCQs, shorts assay, long essay, case reports, problem solving..... e.g. Do, identify e.g. How many sessions
<b>3- <u>Thesis:</u></b>	
6- Assignments & other activities	e.g. Assignments, projects, practical books etc
<b>Total</b>	

### **6- List of references:**

#### 6.1- Basic materials:

- e.g. Department book:

#### 6.2- Essential books (text books):

#### 6.3- Recommended books:

#### 6.4- Periodicals, Web sites, ... etc:

### **7- Facilities required for teaching and learning:**

Facilities used for teaching this course include:

- Lecture halls:
- Small group classes
- Laboratory
- Information technology / AV aids
- Models etc

**Course coordinator:**

**Head of Department:**

**Date 9 /2013**



قسم أمراض النساء والتوليد

جامعة بنها  
كلية الطب البشرى

(OBN 702) توصيف مقرر

Medical Microbiology & Immunology Course for MD Degree in  
Department of  
Gynecology & Obstetric  
Academic Year (2013-2014)

البرنامج أو البرامج التي يقدم من خلالها المقرر :

MD Degree in Gynecology & Obstetric

قسم النساء والتوليد القسم العلمى المسنول عن البرنامج :

Medical Microbiology and Immunology department القسم العلمى المسنول عن تدريس المقرر:

السنة الدراسية / المستوى : الأول

٢٠١٣

تاريخ اعتماد توصيف البرنامج :

( أ ) البيانات الأساسية

العنوان :

Microbiology & Immunology Course for in MD Degree in Obstetrics  
& Gynecology

الكود : OBN 702 قسم أمراض النساء والتوليد

الساعات المعتمدة : 1 hour

المحاضرة : 1 hour/week (total =15 hours)

المجموع : 15

ساعات الإرشاد الأكاديمى : -

( ب ) البيانات المهنية

١ - الأهداف العامة للمقرر :

- 1.1. To educate students about the basic features of general bacteriology, virology, microbial genetics and mycology and to provide students with an understanding of the immune system, its protective functions and its role in the pathophysiology of infectious and non-infectious diseases.
- 1.2. To familiarize students with the common infections and diseases of medical importance, their microbial causes, as well as laboratory diagnosis, treatment, prevention and control of such diseases.
- 1.3. To enable the students to practice the principles infection control.

٢ - النتائج التعليمية المستهدفة للمقرر :

أ - المعرفة والفهم :

*By the end of the course, the graduates should be able to:*

- 2.1.1. Illustrate general bacterial morphology, physiology and genetics.
- 2.1.2. identify the host parasite relationship and microbial pathogenesis.
- 2.1.3. Explain the physiology of the immune system, its beneficial role, its interaction with tumors, its deficiency conditions, as well as its detrimental role in hypersensitivity, autoimmunity and transplant rejection
- 2.1.4. Describe the morphology, culture, and antigenic structure and virulence factors of microorganisms of medical importance
- 2.1.5. explain the most important skin and venereal infectious conditions and outline the diagnosis, treatment, prevention and control of the most likely organisms causing such diseases
- 2.1.6. Describe the most important methods of decontamination, sterilization and principles of infection control.
- 2.1.7. Describe the basics of antimicrobial chemotherapy and resistance.
- 2.1.8. discuss the impact of molecular technology in microbiology and immunology.

ب - المهارات الذهنية :

*By the end of the course, the graduates should be able to:*



2.2.1. Identify medically important bacteria based on microscopic examination of stained preparations.

2.2.2. select various sterilization processes and simple infection control measures

الخاصة بالمقرر : ج - المهارات المهنية

*By the end of the course, the graduates should be able to*

2.3.1. Identify medically important bacteria, their antibiotic resistance to prescribe the efficient treatment and tests for their diagnosis.

2.3.٢. use various sterilization processes and simple infection control measures to avoid transmission of infection, outbreaks, surgical site infection, etc.....

د - المهارات العامة :

*By the end of the course, the graduates should be able to*

2.4.1. Demonstrate Respect for patients' rights and involve them and /or their caretakers in management decisions.

2.4.2. Adopt an empathic and holistic approach to the patients and their problems.

2.4.3. Respect the role and the contributions of other health care professionals regardless their degrees or rank (top management, subordinate or colleague).

2.4.4. Conduct counseling sessions for prevention & control of different conditions for healthy individuals, for patients as well as their families .

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٣ - محتوى المقرر :

Subject	Lectures (hrs)	% of total
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Bacterial Cell Structure Host parasite relationship Bacterial genetics (application of recombination and gene therapy) Antimicrobial chemotherapy Disinfection and Sterilization	1	6.3
Staphylococci , streptococci, Neisseria gonorrhoea and Clostridium group except botulism	1	6.3
Gram negative bacilli (coliform, proteus, pseudomonas) Haemophilus Spirochaetes (syphilis) Chlamydiae Mycoplasmas Lactobacillus Listeria	1	6.3
Applied Microbiology: urinary tract infection, sexually transmitted diseases , diseases transmitted from the mother to the fetus , Hospital acquired infections.	1	6.3
<i>General virology</i> Structure Lab. Diagnosis (idea) Viral replication (idea) Antiviral chemotherapy Antiviral immunity Pathogenesis of viral diseases viral vaccines	1	6.3
human immunodeficiency virus (HIV) Rubella virus hepatitis Viruses Herpesviruses Adenoviruses Papilloma viruses Molluscum contagiosum Oncogenic viruses	1	6.3
General Mycology Antifungal agents Candidiasis	1	6.3
<i>Basic Immunology</i> <ul style="list-style-type: none"> <li>• Cells of immune response.</li> <li>• Natural &amp; acquired immunity.</li> <li>• Immune response.</li> <li>• Antigens, antibodies , complement and cytokines.</li> <li>• Cell mediated immunity</li> <li>• MHC</li> <li>• Apoptosis &amp; necrosis</li> <li>• Superantigen</li> </ul>	2	12.6
<i>Special Immunology</i> <ul style="list-style-type: none"> <li>• Hypersensitivity</li> <li>• Autoimmune diseases</li> </ul>	2	12.6

<ul style="list-style-type: none"> <li>• Immunodeficiency diseases</li> <li>• Tumor immunology</li> <li>• Transplantation immunology</li> </ul>		
<b>Total</b>	<b>15</b>	<b>100</b>

#### 4- أساليب التعليم والتعلم:

1. Lectures.
2. Small group discussion with case study and problem solving.
3. Assay (using library & internet)

#### 5 - أساليب تقييم الطلاب

##### 5-A) ATTENDANCE CRITERIA:

1. Log book

##### 5-B) Assessment TOOLS:

Tool	Purpose (ILOs)
Written examination	To assess knowledge acquisition, including problem solving
Oral examination	To assess understanding and stability of knowledge given, attitude and presentation.

##### 5-C) TIME SCHEDULE:

Exam	Week
5- Final exam	at (May or September)

النسبة المئوية لكل تقييم :

##### 5-D) Weighting System:

Examination	Marks allocated	% of Total Marks
- Final exam:		
a- Written	50	50%
c- Oral	50	50%
<b>Total</b>	<b>100</b>	<b>100%</b>

- Passing grades are:

EXCELLENT >85%, VERY GOOD 75- 85%, GOOD 65- 75% and FAIR 60-65%.

## FORMATIVE ASSESSMENT:

- Student knows his marks after the Formative exams.

### 5-E) Examination description:

Examination	Type	Description
Final Examination	1. Written	A one and half hours written paper composed of short essay-type questions, Case study and MCQ
	3. Oral	One oral examination station with 2 staff members (10-15 minutes: 4-5 questions)

### 6 - قائمة المراجع

#### ٦ - ١ - مذكرات المقرر

1. Jawetz, Melnick and Adelberg's *Medical Microbiology*
2. *Mackie & McCartney Practical Medical Microbiology.*
3. Abul K. Abbas Cellular and molecular immunology.

#### ٦ - ٢ - الكتب الدراسية

1. Microbiology an introduction
2. Lpincott's Microbiology illusterated review.
3. Medical Microbiology: Department book .
4. Lectures on Medical Virology: Department book.
5. Basic Immunology: Department book.

#### ٦ - ٣ - مجلات دورية ، مواقع إنترنت

1. [asmnews@asmusa.org](mailto:asmnews@asmusa.org)
2. <http://www.phage.org/black09.htm>
3. [http://www.microbe.org/microbes/virus\\_or\\_bacterium.asp](http://www.microbe.org/microbes/virus_or_bacterium.asp)
4. <http://www.bact.wisc.edu/Bact330/330Lecturetopics>
5. [http://whyfiles.org/012mad\\_cow/7.html](http://whyfiles.org/012mad_cow/7.html)
6. <http://www.microbelibrary.org>
7. <http://www.hepnet.com/hepb.htm>
8. [http://www.tulane.edu/~dmsander/Big\\_Virology/BVHomePage.html](http://www.tulane.edu/~dmsander/Big_Virology/BVHomePage.html)
9. <http://www.mic.ki.se/Diseases/c2.html>

10.<http://www.med.sc.edu:85/book/welcome.htm>

11.[http://www.bioiogy.arizona.edu/immunology/microbiology\\_immunology.html](http://www.bioiogy.arizona.edu/immunology/microbiology_immunology.html)

٧ - الإمكانيات المطلوبة للتعليم والتعلم

Facilities used for teaching this course include:

- Department lectures halls: 1
- Department Equipped Laboratories : 2

Department Of  
Obstetrics & Gynecology

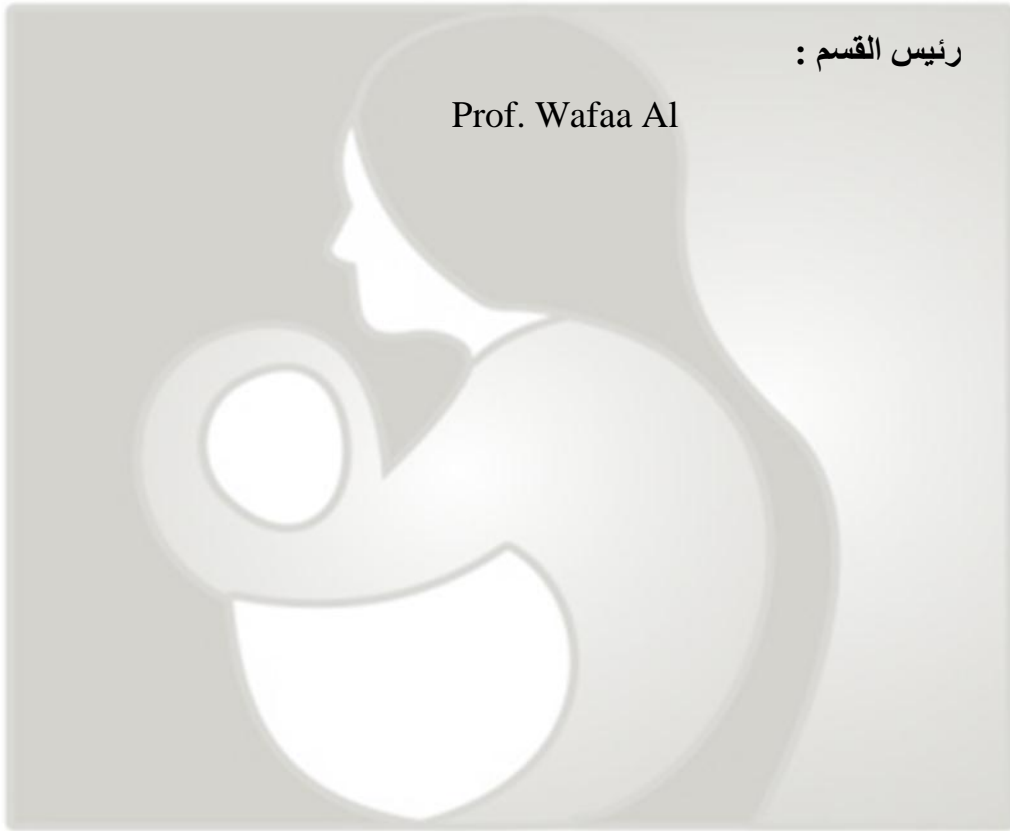
2014

- تم مناقشة التوصيف وإعتماده بمجلس القسم المنعقد بتاريخ :

أستاذ المادة :

رئيس القسم :

Prof. Wafaa Al



قسم أمراض النساء والتوليد

## Second Part

### Course 4 Obstetrics and Gynaecology

§ *Name of department: Obstetrics and Gynaecology*

§ *Faculty of medicine*

§ *Benha University*

§ **2013-2014**

### **I. Course data**

+ Course Title: **Obstetrics and Gynaecology**

+ Course code: **OBG324A**

+ Specialty: **Obstetrics and Gynaecology**

+ Number of hours Didactic: **500 hours (11.9%)** practical **3700 hours (88.1%)** total: **4200 hours.**

+ Department (s) delivering the course: **Obstetrics and Gynaecology**

+ Coordinator (s):

- Course coordinator: **Prof. MOHARRAM ABDELHASIB**

+ Date last reviewed: **1/10/2010**

+ Requirements (prerequisites) if any : **none**

+ Requirements from the students to achieve course ILOs are clarified in the joining log book.

### **2- Course Aims**

**Provide candidates with advanced knowledge and skills that enable them to practice obstetrics and gynecology at specialist level including:**

- A working knowledge of the theoretical basis of the obstetrics and gynecology.
- In depth Knowledge of the patho-physiology, presentation of historical and clinical features, and appropriate investigation and medical management of acute and chronic disease processes.
- Ability to identify, diagnose and treat single system or multi- system disease with appropriate prioritization of patient problems.
- The knowledge, skills and attitudes relating to gender, culture and ethnicity pertinent to obstetrics and gynecology.
- Self-evaluation and learning skills in the areas of problem- solving, evidence

based medicine, and critical appraisal at a level to ensure that they remain effective clinicians.

- Mastering the teaching skills to the junior residence in the field of Obstetrics and Gynaecology.
- Improve the ability and the courage to lecture students with
- new modalities of teaching methods.

### 3- Course intended learning outcomes (ILOs):

#### Unite (Module) 1: Maternal and Fetal Medicine

##### A-Knowledge and understanding

ILOs	Methods of teaching/ learning	Methods of Evaluation
<p>A. Explain update and evidence based etiology, clinical picture, diagnosis and management of the following common diseases and clinical conditions:</p> <ul style="list-style-type: none"> <li>- Medical complication during pregnancy: Chronic hypertension (HT) Preeclampsia (PE) Renal Disease Cardiac Disease Liver Disease Respiratory Disease Gastrointestinal (GI) Disease Diabetes</li> <li>- Fetal hydrops</li> <li>- Multiple pregnancies</li> <li>- Disorders of amniotic fluid (AF)</li> <li>- Termination of pregnancy</li> <li>- Preconception counseling Red cell alloimmunisation</li> <li>- Platelet alloimmunisation</li> <li>- Gynaecological problems in pregnancy</li> <li>- Labour Ward Management</li> <li>- Failure to progress in labour</li> <li>- Non-reassuring fetal status in labour</li> <li>- Shoulder dystocia</li> <li>- Genital Tract Trauma</li> </ul>	<ul style="list-style-type: none"> <li>- Observation of and discussion with senior medical staff</li> <li>- Appropriate postgraduate courses</li> <li>- Observation of and discussion with senior medical staff</li> </ul> <p>Sessions in;</p> <ul style="list-style-type: none"> <li>• fetal medicine</li> <li>• genetics</li> <li>• neonatology</li> <li>• perinatal pathology</li> <li>- Personal study</li> </ul>	<ul style="list-style-type: none"> <li>- Logbook</li> <li>- Case-based discussion</li> <li>- Evidence-based Guideline</li> <li>- Clinical Audit</li> <li>- Log of experience and competence</li> <li>- Case-based discussions</li> </ul>

<ul style="list-style-type: none"> <li>- Postpartum haemorrhage and other third stage problems</li> </ul>		
<p>B. Mention the principles of</p> <ul style="list-style-type: none"> <li>- Intensive Care</li> <li>- Resuscitation</li> <li>- Communication, team working and leadership</li> <li>- Good Medical Practice and maintaining trust Teaching</li> <li>- Clinical governance (CG) and risk management</li> </ul>		
<p>C. Mention basic of the following diseases and conditions</p> <ul style="list-style-type: none"> <li>- Other endocrine disease</li> <li>- Neurological Disease</li> <li>- Connective Tissue Disease</li> </ul>		
<p>Thromboembolic disease</p> <ul style="list-style-type: none"> <li>- Psychiatric disease</li> <li>- Substance abuse</li> <li>- Skin Disease</li> <li>- Malignant Disease</li> <li>- Genetic disorders</li> <li>- Chromosomal disorders</li> </ul>		
<p>D. Explain the facts and principles of the relevant basic and clinically supportive sciences related to Maternal and Fetal</p>		
<p>E. Describe the basic ethical and medicolegal principles relevant to the Maternal and Fetal Medicine</p>		
<p>F. describe the basics and measurements of quality assurance to ensure good clinical care in the field of Maternal and Fetal Medicine</p>		
<p>. G. Explain the ethical and scientific principles of medical research</p>		



H. Explains the impact of common health problems in the field of Maternal and Fetal Medicine on the society.		
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## Department Of Obstetrics & Gynecology



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## **B-Intellectual outcomes**

<b>ILOs</b>	<b>Methods of teaching/ learning</b>	<b>Methods of Evaluation</b>
A. Design and present case in <b>Presenting problems in</b>	- Observation of and discussion	- logbook - Case-based
o abnormal renal function o Obstetrics and Gynaecology pain o palpitations o heart murmur o breathlessness o abdominal pain o vomiting o itching o abnormal liver function o convulsions o headache o altered consciousness o anaemia o thrombocytopenia	with senior medical staff  - Appropriate postgraduate courses - Attendance at general medicine clinics - Attendance at sessions in • Anaesthesia • Neonatology - Attendance at; Medical clinics	discussion
B. Apply the basic and clinically supportive sciences which are appropriate to the fetomaternal medicine related conditions / problem / topics.		
C. Demonstrate an investigatory and analytic thinking “problem – solving “approaches to clinical situation related to fetomaternal medicine		
D. Plan research projects.		
E. Write scientific papers.		
F. Lead risk management activities as a part		

of clinical governance.		
G. Plan quality improvement activities in the Field of medical education and clinical practice in feto-maternal medicine.		
H. Create / innovate plans, systems, and other issues for improvement of performance in feto-maternal medicine.		
I. Present and defend his / her data in front of a panel of experts		
J. Formulate management plans and alternative decisions in different situations in the field feto-maternal medicine.		

### **C-Practical skills (Patient Care)**

<b>ILOs</b>	<b>Methods of teaching/ learning</b>	<b>Methods of Evaluation</b>
A. Take history, examine and clinically diagnose different conditions related to feto-maternal medicine		
B. order the following non invasive and invasive diagnostic procedures: •ECG •Chest X-Ray •echocardiogram •arterial blood gases •lung function tests		
C. Interpret the following non invasive and invasive diagnostic procedures Doppler Investigations appropriate to diseases ECG	- Observation of and discussion with senior medical staff	-Logbook -Case-based discussion
chest X-Ray echocardiogram arterial blood gases lung function tests	- Appropriate postgraduate courses - Attendance at sessions in	
D. Perform the following non invasive and invasive diagnostic procedures:		

<p>detailed ultrasound:</p> <ul style="list-style-type: none"> <li>- at appropriate gestation</li> <li>- using appropriate technique (including trans-vaginal and Doppler)</li> </ul> <p>Ultrasound screening for chromosomal anomaly at:</p> <ul style="list-style-type: none"> <li>- Amniocentesis</li> <li>- Antepartum and intapartum assessment tests</li> </ul>		
<p>E. Prescribe the following non invasive and invasive therapeutic procedures:</p> <ul style="list-style-type: none"> <li>- Co-ordinate the clinical running of the labour ward at a daily level including; staff allocation appropriate triaging of clinical cases</li> <li>- ventouse (rotational and non-rotational)</li> <li>- forceps – outlet and mid-cavity</li> <li>- caesarean section</li> <li>- vaginal breech delivery</li> <li>- breech extraction</li> <li>- internal podalic version</li> <li>- McRobert’s manoeuvres and</li> </ul>		
<p>suprapubic pressure, internal rotation of shoulders and removal of posterior arm</p> <ul style="list-style-type: none"> <li>- repair of 3rd / 4th degree perineal tear</li> <li>- repair of uterine rupture</li> <li>- hysterectomy</li> <li>- correction of uterine inversion (manual and hydrostatic replacement)</li> <li>- insertion of uterine balloon catheter</li> <li>- insertion of brace suture</li> <li>- internal iliac ligation / hysterectomy (under supervision) or refer, where appropriate, for same</li> <li>- Manage complications of CS (under supervision where appropriate)</li> <li>- pudendal nerve block</li> <li>- Cervical cerclage – elective rescue</li> <li>- Perform neonatal resuscitation, mask ventilation, endotracheal intubation and cardiac massage</li> <li>- insertion of CVP line</li> <li>- endotracheal intubation</li> <li>- insertion arterial line / PA catheter (under supervision) or refer, where appropriate, for same</li> </ul>		
<p>F. Develop patient management plans for the problems mentioned in items AA, BA.</p>		
<p>G. Counsel and educate patients and their family about:</p> <ul style="list-style-type: none"> <li>- Preconception care in cases of chronic medical conditions</li> <li>- Regarding fetal and maternal risks in cases complicated by medical disorders with pregnancy</li> <li>- Recurrence risks and future management in cases with adverse pregnancy outcomes.</li> </ul>		

<ul style="list-style-type: none"> <li>- Contraception</li> <li>- Plans for future pregnancies</li> <li>- Vaccinations during pregnancy</li> <li>- Common fetal abnormalities and markers for chromosomal abnormality.</li> <li>- Feta and maternal risks in cases with congenital abnormalities, recurrence risk, long term consequences and postnatal or postmortem finding.</li> </ul>		
H. Use information technology to support patient care decisions and patient education for feto-maternal related conditions.		
I. Provide health care services aimed at preventing the complications related to feto-maternal medicine		
J. Work with health care professionals, including those from other disciplines, to provide patient- focused care.		
K. Write competently all forms of patient charts and sheets including reports evaluating these charts and sheets (Write and evaluate a consultation note, Inform patients of a diagnosis and therapeutic plan, completing and evaluating comprehensive, timely and legible medical records)		

## **D-General Skills**

### **Practice-Based Learning and Improvement**

<b>ILOs</b>	<b>Methods of teaching/ learning</b>	<b>Methods of Evaluation</b>
A. Perform practice-based improvement activities using a systematic methodology in the common problems (plan and conduct audit cycles)	<ul style="list-style-type: none"> <li>- Observation of and discussion with senior medical staff</li> <li>- Appropriate postgraduate courses</li> </ul>	<ul style="list-style-type: none"> <li>- Logbook</li> <li>Case-based discussion</li> </ul>
B. Locate, appraises, and assimilates evidence from scientific studies related to patients' health problems.		
C. Apply knowledge of study designs and statistical methods to the appraisal of clinical studies and other information on diagnostic and therapeutic effectiveness	-	
D. Use information technology to manage information, access on-line medical information; and support their own education		
E. Lead the learning of students and other health care professionals.		

## Interpersonal and Communication Skills

ILOs	Methods of teaching/ learning	Methods of Evaluation
F. Create and sustain a therapeutic and ethically sound relationship with patients	- Observation of and discussion with senior medical staff Appropriate postgraduate courses	-Log book
G. Perform the following oral communications: Counselling for all diagnostic and management situations Breaking bad news-		
H. Fill the following reports: Consent forms All Hospital charts Medicolegal reports		
I. Work effectively with others as a member or leader of a health care team e.g. in labor ward		

## Professionalism

ILOs	Methods of teaching/ learning	Methods of Evaluation
J. Demonstrate respect, compassion, and integrity; a responsiveness to the needs of patients and society that supersedes self- interest.	- Observation of and discussion with senior medical staff - Appropriate postgraduate courses	1. Objective structured clinical examination 2. Patient survey
K. Demonstrate a commitment to ethical principles pertaining to provision or withholding of clinical care, confidentiality of patient information, informed consent, and business practices.		1. 360o global rating
L. Demonstrate sensitivity and responsiveness to patients' culture, age,		

## Systems-Based Practice

ILOs	Methods of teaching/ learning	Methods of Evaluation
M. Work effectively in different health care delivery settings and systems.	- Observation of and discussion with senior medical staff	1. 360o global rating

	-Appropriate postgraduate courses	
N. Practice cost-effective health care and resource allocation that does not compromise quality of care		1. Check list evaluation of live or recorded performance
O. Advocate for quality patient care and assist patients in dealing with system complexities		1. 360o global rating 2. Patient survey
P. Partner with health care managers and health care providers to assess, coordinate, and improve health care and predict how these activities can affect system performance		

## Unit (Module) 2: Reproductive Medicine and Subfertility

### A-Knowledge and understanding

ILOs	Methods of teaching/ learning	Methods of Evaluation
<p>A. Explain update and evidence based etiology, clinical picture, diagnosis and management of the following common diseases and clinical conditions:</p> <ul style="list-style-type: none"> <li>- Female Endocrinology: Neuroendocrine Function</li> <li>CNS- Hypothalamic-Pituitary System and Disease States</li> <li>Thyroid Function and Disease States</li> <li>Adrenal Function and Disease States</li> <li>Androgen Disorders</li> <li>Endocrinology of Pregnancy</li> <li>- Anovulation and PCOS</li> <li>- Paediatric and Adolescent Gynaecology</li> <li>- Contraception and Termination</li> <li>- Menopause and Premature Menopause</li> <li>- Abnormal uterine bleeding</li> <li>- Amenorrhea</li> <li>- Female and male infertility</li> <li>- Endometriosis</li> <li>- Early Pregnancy Problems</li> <li>- Sexually transmitted infections and female genital infections</li> </ul>	<ul style="list-style-type: none"> <li>- Appropriate reading material</li> <li>- Postgraduate teaching sessions</li> <li>- Observation of and discussion with senior medical staff</li> <li>- Subfertility clinics</li> <li>- . Assisted reproduction sessions</li> </ul>	<ul style="list-style-type: none"> <li>- Logbook</li> <li>- Case- based discussion</li> </ul>
B. Mention the principles of clinical diagnostic techniques, surgical techniques related to Reproductive Medicine and infertility, assisted reproduction.		1. Check list evaluation of live or recorded performance
C. Mention basics of the andrology related conditions		1. 360o global rating 2. Patient survey
D. Explain the facts and principles of the relevant		

basic and clinically supportive sciences related to Reproductive Medicine and infertility including: mechanisms of hormone action, clinical pharmacology of hormones, pathology, immunology, embryology, genetics and endocrinology of pregnancy		
E. Describe the basic ethical and medico-legal principles relevant to the Reproductive Medicine		
F. describe the basics of quality assurance to ensure good clinical care in the field of Reproductive Medicine		
G. Explain the ethical and scientific principles of medical research		
H. Explains the impact of common health problems in the field of Reproductive Medicine on the society.		

### **+B-Intellectual outcomes**

<b>ILOs</b>	<b>Methods of teaching/ learning</b>	<b>Methods of Evaluation</b>
K. Design / present case in Reproductive medicine	<ul style="list-style-type: none"> <li>- Observation of and discussion with senior medical staff</li> <li>- Appropriate postgraduate courses</li> <li>- Supervised clinical sessions</li> <li>- Specific courses and academic meetings</li> <li>- local and regional courses in paediatric gynaecological problems and problems of puberty</li> <li>- Multidisciplinary and clinical team meetings</li> </ul>	<ul style="list-style-type: none"> <li>- Oral and written exam.</li> <li>- Logbook</li> <li>- Local meetings attended</li> <li>- Case reports</li> <li>- Audit project</li> <li>- Roleplay</li> </ul>
Apply the basic and clinically supportive sciences which are appropriate to the Reproductive medicine-related		
Reproductive medicine		
N. Plan research projects.		
O. Write scientific papers.		
P. Lead risk management activities as a part of clinical governance.		
Q. Plan quality improvement activities in the field of medical education and clinical practice in Reproductive medicine		
R. Create / innovate plans, systems, and other issues for improvement of performance in Reproductive		



medicine-		
S. Present and defend his / her data in front of a panel of experts		

### **C-Practical skills (Patient Care)**

<b>ILOs</b>	<b>Methods of teaching/ learning</b>	<b>Methods of Evaluation</b>
A. Take history, examine and clinically diagnose different conditions related to Reproductive Medicine and infertility	Postgraduate courses	Log book Oral and Written exams
B. order the following non invasive and invasive diagnostic procedures: 1. Operative, including biopsies of the endometrium, laparoscopy and hysteroscopy, and hysterosalpingography, sonohysterography and genitography, sella turcica radiography, ultrasonography, computerized tomography, magnetic resonance imaging, arterial and venous catheterization, radioisotope scanning techniques, bone densitometry and establishment of bone age. 3. Endocrinologic, including the measurement of hormones in biological fluids for evaluation of the hypothalamus, pituitary, parathyroid, thyroid, adrenal and gonadal systems. Be able to perform and interpret dynamic endocrinologic testing of these systems. Describe clinical conditions (e.g., pregnancy, thyroid disease) in which endocrine test		
C. Interpret the above mentioned non invasive and invasive diagnostic procedures		
D. Perform the following non invasive and invasive diagnostic procedures: 1. Operative, including biopsies of the endometrium, laparoscopy and hysteroscopy, and laparotomy. 2. Radiographic and imaging, including hysterosalpingography, sonohysterography and genitography.		

E. Prescribe the following non invasive and invasive therapeutic procedures:

1. Fertility restoration, including laparoscopy and laparotomy techniques used to reverse sterilization.
2. Diagnostic and therapeutic techniques, including hysterosalpingography, sonohysterography, tubal canalization and endoscopy (laparoscopy and hysteroscopy).
3. Infertility surgery, including all techniques used for:
  - a. Reconstruction of uterine anomalies. b. Myomectomies.
  - c. Resection of uterine synechiae.
  - d. Cervical cerclage. e. Tuboplasty.
  - f. Resection of pelvic adhesions. g. Ovarian cystectomies.
  - h. Staging and treating endometriosis, including pre and post operative medical adjunctive therapy.
4. Developmental disorders, including all techniques used for:
  - a. Neovaginal construction (dilation and surgical methods).
  - b. Correction of imperforate hymen.
  - c. Removal of vaginal and uterine septae. d. Correction of müllerian abnormalities.
5. Ambiguous genitalia, including:

F. Perform the following non invasive and Invasive therapeutic procedures:

1. Fertility restoration, including laparoscopy and laparotomy techniques used to reverse sterilization.
2. Diagnostic and therapeutic techniques, including hysterosalpingography, sonohysterography, tubal canalization and endoscopy (laparoscopy and hysteroscopy).
3. Infertility surgery, including all techniques used for:
  - a. reconstruction of uterine anomalies. b. myomectomies.
  - c. resection of uterine synechiae. d. cervical cerclage.
  - e. tuboplasty.
  - f. resection of pelvic adhesions.
  - g. ovarian cystectomies.
  - h. staging and treating endometriosis, including pre and post operative medical adjunctive therapy.
4. developmental disorders, including all techniques used for:
  - a. neovaginal construction (dilation and surgical methods).
  - b. correction of imperforate hymen.

c. removal of vaginal and uterine septae. d. correction of müllerian abnormalities.

5. Ambiguous genitalia, including:

- a. construction of unambiguous functioning female external genitalia and vagina (e.g. vaginoplasty,

clitoral reduction, exteriorization of the vagina and feminizing genitoplasty).

d. techniques for prophylactic gonadectomy.

6. Surgical complications,

7. Adhesion prevention.

8. Hysterectomy and conservative surgery for

BUB

G. Develop patient management plans for the problems related to reproductive medicine and

H. Counsel and educate patients and their family about all diagnostic and treatment options related

I. Use information technology to support patient care decisions and patient education for reproductive medicine and infertility related.

J. Provide health care services aimed at preventing the complications related to reproductive medicine and infertility including complications of diagnostic and treatment

K. Work with health care professionals, including those from other disciplines, to provide

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## Neural Skills

### Practice-Based Learning and Improvement

ILOs	Methods of teaching/ learning	Methods of Evaluation
A. Perform practice-based improvement activities using a systematic methodology in the common problems (plan and conduct audit cycles)	Postgraduate courses	Log book Oral and Written exams
B. Locate, appraises, and assimilates evidence from scientific studies related to patients' health problems.		
C. Apply knowledge of study designs and statistical methods to the appraisal of clinical studies and other information on diagnostic and therapeutic effectiveness		
D. Use information technology to manage information, access on-line medical information; and support their own education		
E. Lead the learning of students and other health care professionals.		
P. Lead risk management activities as a part of clinical governance.		
Q. Plan quality improvement activities in the field of medical education and clinical practice in Reproductive medicine		
R. Create / innovate plans, systems, and other issues for improvement of performance in Reproductive medicine-		
S. Present and defend his / her data in front of a panel of experts		

### Interpersonal and Communication Skills

ILOs	Methods of teaching/ learning	Methods of Evaluation
F. Create and sustain a therapeutic and ethically sound relationship with patients	- Observation of and discussion with senior medical staff - Postgraduate courses	Log book Oral and written exams
G. Perform the following oral communications: Counseling for all diagnostic and management situations Breaking bad news-		

H. Fill the following reports: -Consent forms -All Hospital charts -Medico-legal reports		
I. Work effectively with others as a member or leader of a health care team e.g. in labor ward		

## Professionalism

ILOs	Methods of teaching/ learning	Methods of Evaluation
J. Demonstrate respect, compassion, and integrity; a responsiveness to the needs of patients and society that supersedes self-interest.	Postgraduate courses	1. Objective structured clinical examination 2. Patient survey
K. Demonstrate a commitment to ethical principles pertaining to provision or withholding of clinical care, confidentiality of patient information, informed consent, and business practices.		1. 360o global rating
L. Demonstrate sensitivity and responsiveness to patients' culture, age,		

## Systems-Based Practice

ILOs	Methods of teaching/ learning	Methods of Evaluation
M. Work effectively in different health care delivery settings and systems.	Postgraduate courses	1. 360o global rating
N. Practice cost-effective health care and resource allocation that does not compromise quality of care		1. Check list evaluation of live or recorded performance
O. Advocate for quality patient care and assist patients in dealing with system complexities		1. 360o global rating 2. Patient survey

## Unit (Module) 3: Female Pelvic Medicine and Reconstructive Surgery

### A-knowledge and understanding

ILOs	Methods of teaching/ learning	Methods of Evaluation
<p>A. Explain update and evidence based etiology, clinical picture, diagnosis and management of the following common diseases and clinical conditions:</p> <ul style="list-style-type: none"> <li>- Pelvic organ prolapsed</li> <li>- Pelvic floor dysfunction</li> <li>- Fecal and urinary incontinence</li> <li>- Uro-gynecological disorders</li> <li>- Female genital anomalies</li> </ul>	<ul style="list-style-type: none"> <li>-Attend uro-gynaecology clinics</li> <li>- Observation of, assisting and</li> <li>-Discussion with senior medical staff</li> <li>-Attendance at Course</li> <li>-Attend supervised clinics</li> <li>-Observation of, assisting and discussion with senior medical staff</li> <li>-Postgraduate education courses</li> </ul>	Log book
<p>B. Mention the principles of :</p> <ul style="list-style-type: none"> <li>- General Uro-gynaecology Assessment</li> <li>- Conservative management of Uro-gynaecology conditions</li> </ul>		1. Check list evaluation of live or recorded performance
<ul style="list-style-type: none"> <li>- Drug treatments of female pelvic disorders</li> <li>- Surgical treatments of female pelvic disorders</li> </ul>		1. 360o global rating 2. Patient survey
<p>C. Mention basic of the colorectal and neurological disorders that affect pelvic floor function and related to gynecological problems.</p>		
<p>D. Explain the facts and principles of the relevant basic and clinically supportive sciences related to female pelvic medicine and reconstructive surgery.</p>		
<p>D. Explain the facts and principles of the relevant basic and clinically supportive sciences related to female pelvic medicine and reconstructive surgery</p>		
<p>E. Describe the basic ethical and medico-legal principles relevant to the female pelvic medicine and reconstructive surgery.</p>		
<p>F. Describe the basics of quality assurance to ensure good clinical care in the field of female pelvic medicine and reconstructive surgery</p>		
<p>G. explain the ethical and scientific principles of</p>		

medical research		
H. Explain the impact of common health problems in the field of specialty on female pelvic medicine and reconstructive surgery.		

## B-Intellectual outcomes

ILOs	Methods of teaching/ learning	Methods of Evaluation
A. Design and present case in common problem related to female pelvic medicine and reconstructive surgery	Postgraduate courses	Log book Oral and written exams
B. Apply the basic and clinically supportive sciences which are appropriate to the female pelvic medicine and reconstructive surgery related conditions / problem / topics.		
C. Demonstrate an investigatory and analytic thinking “problem – solving “approaches to clinical situation related to female pelvic medicine and reconstructive surgery		
D. Plan research projects.		
E. Write scientific papers.		
F. Lead risk management activities as a part of clinical governance.		
G. Plan quality improvement activities in the field of medical education and clinical practice in female pelvic medicine and reconstructive surgery.		
H. Create / innovate plans, systems, and other issues for improvement of performance in his practice in female pelvic medicine		
I. Present and defend his / her data in front of a panel of experts		

## C-Practical skills (Patient Care)

ILOs	Methods of teaching/ learning	Methods of Evaluation
A. Take history, examine and clinically diagnose different conditions related to female pelvic medicine and reconstructive surgery	Postgraduate courses Discussions with senior staff	Log book Oral and written exams
B. order the following non invasive and invasive diagnostic procedures: - Urinalysis - Urine culture and cytology		

<ul style="list-style-type: none"> <li>- Frequency/Volume chart</li> <li>- Pad test</li> <li>- Bladder scan</li> <li>- Uroflowmetry</li> <li>- Cystometry</li> <li>- VCU</li> <li>- Urethral function studies</li> <li>- Ambulatory urodynamics</li> <li>- Cystoscopy - rigid / flexible</li> <li>- Renal USS</li> <li>- Abdominal X-ray</li> <li>- IVU</li> <li>- Isotope renography (eg Mag 3)</li> <li>- Pelvic floor EMG</li> <li>- Ano-rectal function studies</li> <li>- Barium enema</li> <li>- Defaecating proctogram</li> <li>- Endo-anal Ultrasound</li> <li>- Perineometry</li> </ul>		
<p>C. Interpret the above mentioned non invasive and invasive diagnostic procedures</p>		
<p>D. . Perform the above mentioned non invasive and invasive diagnostic procedures:</p>		
<p>E. Prescribe the following non invasive and invasive therapeutic procedures:</p> <ul style="list-style-type: none"> <li>- Fluid management</li> <li>- Pelvic floor exercises</li> <li>- Intermittent self catheterization</li> <li>- Insert a supra-pubic catheter</li> <li>- Change a permanent supra-pubic catheter</li> <li>- Biofeedback</li> <li>- Acupuncture</li> <li>- Hypnotherapy</li> <li>- Psychotherapy</li> <li>- Pessaries</li> <li>- Minimally invasive slings (do one method and understand others)</li> <li>- Colposuspension (open and / or laparoscopic)</li> <li>- Urethral dilatation</li> <li>- Anterior repair</li> <li>- Vaginal hysterectomy</li> <li>- Posterior repair</li> <li>- Paravaginal repair (vaginal and / or open and /or laparoscopic)</li> <li>- Mesh repairs</li> <li>Vesico-vaginal repair</li> <li>Uretero-vaginal repair</li> <li>Urethro-vaginal repair</li> <li>urethral diverticulectomy and excision of para- urethral cysts</li> <li>urethral reconstruction urethral</li> </ul>		



<p>closure techniques Insertion of stents (be able to do) Ureteric re-implantation Ureteric re-anastomosis Nephrostomy Anal sphincter repair Bulking agents Pelvic floor exercises Use of constipating agents Use of laxatives</p>		
<p>F. Perform the following non invasive and invasive therapeutic procedures:</p> <ul style="list-style-type: none"> <li>- Fluid management</li> <li>- Pelvic floor exercises</li> <li>- Intermittent self catheterization</li> <li>- Insert a supra-pubic catheter</li> <li>- Change a permanent supra-pubic catheter</li> <li>- Biofeedback</li> <li>- Acupuncture</li> <li>- Hypnotherapy</li> </ul> <p>Colposuspension (open and / or laparoscopic)</p> <ul style="list-style-type: none"> <li>- Urethral dilatation</li> <li>- Anterior repair</li> <li>- Vaginal hysterectomy</li> <li>- Posterior repair</li> <li>- Paravaginal repair (vaginal and / or open and /or laparoscopic)</li> <li>- Mesh repairs</li> <li>- Utero-sacral plication / moskovitz (open and /or laparoscopic), vaginal One method of vaginal repair</li> <li>- Sacrocolpopexy (open and /or laparoscopic), Aware of other methods used.</li> <li>- Vesico-vaginal repair</li> <li>- Anal sphincter repair</li> <li>- Bulking agents</li> <li>- Pelvic floor exercises</li> <li>- Use of constipating agents</li> </ul>		
<p>G. Develop patient management plans for all problems related to female pelvic medicine and reconstructive surgery.</p>		
<p>H. Counsel and educate patients and their family about all diagnostic and therapeutic options related to female pelvic medicine and reconstructive surgery.</p>		
<p>I. Use information technology to support patient care decisions and patient education for female pelvic medicine and reconstructive surgery related conditions.</p>		
<p>J. Provide health care services aimed at preventing the disorders related to female pelvic function including prevention of complications of diagnostic and</p>		

treatments modalities.		
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K. Work with health care professionals, including those from other disciplines, to provide patient-focused care.		
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## General Skills

### Practice-Based Learning and Improvement

ILOs	Methods of teaching/ learning	Methods of Evaluation
A. Perform practice-based improvement activities using a systematic methodology in the common problems (plan and conduct audit cycles)	Postgraduate courses	Log book Oral and written exams
B. Locate, appraises, and assimilates evidence from scientific studies related to patients' health problems.		
C. Apply knowledge of study designs and statistical methods to the appraisal of clinical studies and other information on diagnostic and therapeutic effectiveness		
D. Use information technology to manage information, access on-line medical information; and support their own education		
E. Lead the learning of students and other health care professionals.		

### Interpersonal and Communication Skills

ILOs	Methods of teaching/ learning	Methods of Evaluation
F. Create and sustain a therapeutic and ethically sound relationship with patients	Postgraduate courses	Log book
G. Work effectively with others as a member or leader of a health care team e.g. in labor ward		

### Professionalism

ILOs	Methods of teaching/ learning	Methods of Evaluation
H. Demonstrate respect, compassion, and integrity; a	Postgraduate	1. Objective

responsiveness to the needs of patients and society that supersedes self- interest.	courses	Structured clinical examination 2. Patient survey
I. Demonstrate a commitment to ethical principles pertaining to provision or withholding of clinical care, confidentiality of patient information, informed consent, and business practices.		1. 360o global rating
J. Demonstrate sensitivity and responsiveness to patients' culture, age,		

## Systems-Based Practice

ILOs	Methods of teaching/ learning	Methods of Evaluation
K. Work effectively in different health care delivery settings and systems.	Postgraduate courses	1. 360o global rating
L. Practice cost-effective health care and resource allocation that does not compromise quality of care		1. Check list evaluation of live or recorded performance
M. Advocate for quality patient care and assist patients in dealing with system complexities		1. 360o global rating 2. Patient survey
N. Partner with health care managers and health care providers to assess, coordinate, and improve health care and predict how these activities can affect system performance		

## Unite (Module) 4: Gynecological oncology

### A-Knowledge and understanding

ILOs	Methods of teaching/ learning	Methods of Evaluation
A. Explain update and evidence based etiology, clinical picture, diagnosis and management of the vulval, cervical, endometrial, ovarian cancer and trophoblastic disease	- Local/regional Protocols - Useful Websites <a href="http://www.bgcs.org.uk">www.bgcs.org.uk</a> <a href="http://www.bsccp.org.uk">www.bsccp.org.uk</a> <a href="http://www.cancerbacup.org.uk">www.cancerbacup.org.uk</a> <a href="http://www.macmillan.org.uk">www.macmillan.org.uk</a> <a href="http://www.ncri.org.uk">www.ncri.org.uk</a>	-Case log book  -Audit projects

	<a href="http://www.nice.org.uk">www.nice.org.uk</a> <a href="http://www.dh.gov.uk/PolicyAndGuidance/HealthAndSocialCareTopics/Cancer/fs/en">www.dh.gov.uk/PolicyAndGuidance/HealthAndSocialCareTopics/Cancer/fs/en</a>	-Team Observation
<p>B. Mention the principles of</p> <ul style="list-style-type: none"> <li>-Risk factors for developing vulval, cervical, endometrial and ovarian cancer</li> <li>-Diagnostic tests, investigations and staging procedures</li> <li>-Genetic predisposition to disease and the role of prophylactic surgery and screening diagnostic tests, investigations and staging procedures</li> <li>-Chemotherapy, radiotherapy and hormonal treatment in gynaecological cancers.</li> <li>- Palliative care aspects of management</li> </ul>		
<p>C. mention briefly state of art of the rare cancers: /fallopian</p>		
<p>N. Partner with health care managers and health care providers to assess, coordinate, and improve health care and predict how these activities can affect system performance</p>		
<p>D. explain the facts and principles of the relevant basic and clinically supportive sciences related to diagnosis and clarification of vulval, cervical, endometrial, ovarian cancer and trophoblastic disease</p>		
<p>E. describe the basic ethical and medico-legal principles relevant to the Gynecological oncology</p>		
<p>F. Describe the basics of quality assurance to ensure good clinical care in his field of Gynecological oncology</p>		

G. Explain the ethical and scientific principles of medical research		
H. Explain the impact of common health problems in the field of Gynecological oncology on the society.		

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### B-Intellectual outcomes

ILOs	Methods of teaching/ learning	Methods of Evaluation
Design / present case in common problem related to vulval, cervical , endometrial, ovarian cancer and trophoblastic disease		Case log book -Audit projects -Team Observation
Apply the basic and clinically supportive sciences which are appropriate to the vulval, cervical , endometrial and ovarian cancer carcinoma trophoblastic disease		
Demonstrate an investigatory and analytic thinking “problem – solving “approaches to clinical situation related to vulval, cervical , endometrial and ovarian cancer carcinoma trophoblastic disease		
C. Plan research projects.		
D. Write scientific papers.		
E. Lead risk management activities as a part of clinical governance.		
F. Plan quality improvement activities in the field of medical education and clinical practice in gynecological oncology.		
G. Create / innovate plans, systems, and other issues for improvement of performance in his practice in gynecological oncology.		
H. Present and defend his / her data in front of a panel of experts		

### C-Practical skills (Patient Care)

<b>ILOs</b>	<b>Methods of teaching/ learning</b>	<b>Methods of Evaluation</b>
A. Take history, examine and clinically diagnose different conditions related to gynecological oncology.	Postgraduate courses	Log book Oral and written exams
B. order the following non invasive and invasive diagnostic procedures:- Serum Tumour Markers: CA125,CEA, CA19.9. bHCG, Inhibin Oestrogen - in presentation and follow- up. Imaging Techniques and their use: CT /MRI Scans, Ultrasound and Radiation effects - Histopathology : Tumour Types and relevance of tumour grade, lymph vascular space invasion - Cytology: basic utility of cytology in cervical smear and fluids - The role of investigations in follow-up and relapse.		
C. Interpret the above mentioned non invasive and invasive diagnostic procedures		
D. Perform the following non invasive and invasive diagnostic procedures - Biopsy - Surgical staging		
Not Resuscitate Criteria, methods of analgesia, Radiotherapy/Chemotherapy in palliation. Role of surgery, tumour excision, bowel diversionary procedure, paracentesis, pleuridesis. - Rarer Gynaecological Cancers:, basic management. - Genetic Risk/Screening:		
F. Perform the above mentioned non invasive and invasive therapeutic procedures.		
G. Develop patient management plans for common gynecological cancers		
H. Counsel and educate patients and their family about all diagnostic, prognostic and treatment options for gynecological cancers including breaking bad news		
I. Use information technology to support patient care decisions and patient education for Gynaecological Oncology related conditions.		
J. Provide health care services aimed at preventing the Gynaecological Oncology related conditions		
K. Work with health care professionals, including those from other disciplines, to provide.		

## **D-General Skills**

### **Practice-Based Learning and**

## Improvement

ILOs	Methods of teaching/ learning	Methods of Evaluation
A. Perform practice-based improvement activities using a systematic methodology in the common problems (plan and conduct audit cycles)	Postgraduate courses	Log book
B. Locate, appraises, and assimilates evidence from scientific studies related to patients' health problems.		
C. Apply knowledge of study designs and statistical methods to the appraisal of clinical studies and other information on diagnostic and therapeutic effectiveness		
D. Use information technology to manage information, access on-line medical information; and support their own education		
E. Lead the learning of students and other health care professionals.		

## Interpersonal and Communication Skills

ILOs	Methods of teaching/ learning	Methods of Evaluation
F. Create and sustain a therapeutic and ethically sound relationship with patients	Postgraduate courses	Log book
B G. Perform the following oral communications: Breaking bad news Counselling about diagnostic and therapeutic options Counselling about prognostic values		
H. Work effectively with others as a member or leader of a health care team e.g. in labor ward		

## Professionalism

ILOs	Methods of teaching/ learning	Methods of Evaluation
I. Demonstrate respect, compassion, and integrity; a responsiveness to the needs of patients and society that supersedes self- interest.	Post graduate courses	1. Objective structured clinical examination 2. Patient survey
J. Demonstrate a commitment to ethical principles pertaining to provision or withholding of clinical care, confidentiality of patient information, informed consent, and business practices.		1. 360o global rating
K. Demonstrate sensitivity and responsiveness to patients' culture, age, gender, and disabilities		

## Systems-Based Practice

ILOs	Methods of teaching/ learning	Methods of Evaluation
L. Work effectively in different health care delivery settings and systems.	Postgraduate courses	1. 360o global rating
M. Practice cost-effective health care and resource allocation that does not compromise quality of care		1. Check list evaluation of live or recorded performance
N. Advocate for quality patient care and assist patients in dealing with system complexities		1. 360o global Rating 2. Patient survey
O. Partner with health care managers and health care providers to assess, coordinate, and improve health care and predict how these activities can affect system performance		

## 4. Course contents (topic s/modules/Rota on

### Course Matrix

#### Time Schedule: Second part

Topic	Covered ILOs			
	Knowledge A	Intellectual B	Practical Skills C	General Skill D
<b>Maternal and fetal Medicine:</b> - Medical complication during pregnancy: Chronic hypertension (HT) Preeclampsia (PE) Renal Disease Cardiac Disease Liver Disease Respiratory Disease Gastrointestinal (GI) Disease Diabetes - Fetal hydrops - Multiple pregnancies	A-H	A-J	A-K	A-P



<ul style="list-style-type: none"> <li>- Disorders of amniotic fluid (AF)</li> <li>- Termination of pregnancy</li> <li>- Preconception counseling</li> <li>- Miscarriage and fetal death</li> <li>- Poor / Failed placentation</li> <li>- Fetal growth disorders</li> <li>- Antepartum haemorrhage (APH)</li> <li>- Preterm delivery</li> <li>- Malpresentation</li> <li>- Red cell alloimmunisation</li> <li>- Platelet alloimmunisation</li> <li>- Gynaecological problems in pregnancy</li> <li>- Labour Ward Management</li> <li>- Failure to progress in labour</li> <li>- Non-reassuring fetal status in labour</li> <li>- Shoulder dystocia</li> <li>- Genital Tract Trauma</li> <li>- Postpartum haemorrhage and other third stage problems</li> <li>- Caesarean section</li> <li>- Anaesthesia and analgesia</li> </ul>				
<p><b>Reproductive Medicine and Subfertility:</b></p> <ul style="list-style-type: none"> <li>- Female Endocrinology: Neuroendocrine Function CNS-Hypothalamic-Pituitary System and Disease States</li> <li>Thyroid Function and Disease States</li> <li>Adrenal Function and Disease States</li> <li>Androgen Disorders</li> <li>Endocrinology of Pregnancy</li> <li>- Anovulation and PCOS</li> <li>- Paediatric and Adolescent Gynaecology</li> <li>- Contraception and Termination</li> </ul>	<b>A-H</b>	<b>K-S</b>	<b>A-K</b>	<b>A-P</b>

<ul style="list-style-type: none"> <li>- Menopause and Premature Menopause</li> <li>- Abnormal uterine bleeding</li> <li>- Amenorrhea</li> <li>- Female and male</li> </ul>				
<p><b>Female Pelvic Medicine and Reconstructive Surgery:</b></p> <ul style="list-style-type: none"> <li>- Pelvic organ prolapsed</li> <li>- Pelvic floor dysfunction</li> <li>- Fecal and urinary incontinence</li> <li>- Uro-gynecological disorders</li> <li>- Female genital anomalies</li> <li>- General Uro-gynaecology Assessment</li> <li>- Conservative management of Uro- gynaecology conditions</li> <li>- Voiding difficulties</li> <li>- Drug treatments of</li> </ul>	<b>A-H</b>	<b>A-I</b>	<b>A-K</b>	<b>A-N</b>
<p><b>Gynaecological Oncology:</b></p> <p>Risk factors for developing vulval, cervical, endometrial and ovarian cancer</p> <ul style="list-style-type: none"> <li>-Diagnostic tests, investigations and staging procedures</li> <li>-Genetic predisposition to disease and the role of prophylactic surgery and screening diagnostic tests, investigations and staging procedures</li> <li>-Chemotherapy, radiotherapy and hormonal treatment in gynaecological cancers.</li> <li>- Palliative care aspects of management</li> </ul>	<b>A-H</b>	<b>A-H</b>	<b>A-K</b>	<b>A-O</b>

### 5. Course methods of teaching/learning:

Didactic ; Lectures

Clinical rounds

Seminars Clinical rotations (service teaching)

Observation Post graduate teaching

Hand on workshops

Perform under supervision of senior staff

Simulations

Case presentation

Case Taking

## **6. Course methods of teaching/learning: for students with poor achievements**

Extra Lectures according to their needs

Extra training according to their needs

## **7. Course assessment methods:**

### **i. Assessment tools:**

Clinical examination

Written and oral examination

Check list

log book & portfolio

Procedure/case presentation

One MCQ examination in the second year and one in the third year

Objective structured clinical examination

Check list evaluation of live or recorded performance

Patient survey

360o global rating

### **ii. Time schedule: At the end of the second part iii.**

**Marks: 850**

### **i. Lectures notes**

## **8. List of references**

Course notes

Staff members print out of lectures and/or CD copies

### **ii. Essential books**

Prof. Mamdouh Shaaban text book for Obstetrics and

Gynaecology

### **iii. Recommended books**

Williams' Obstetrics 21<sup>st</sup> Edition

Manual of High Risk Pregnancy and Delivery (Manual of High Risk Pregnancy & Delivery) by Elizabeth Stepp Gilbert (2010)

Management of High Risk Pregnancy: An Evidence Based Approach - (2007)  
by John T. Queenan, Catherine Y. Spong, and Charles J. Lockwood.

Normal and Problem Pregnancies (Gabbe 1<sup>st</sup> Edition)

Williams' Gynaecology 1<sup>st</sup> Edition

Berek and Novaks' Gynaecology (14<sup>th</sup> Edition): by  
Jonathan S. Berek (2007).

Clinical Gynaecologic Endocrinology and Infertility (6<sup>th</sup> Edition): by Leon Speroff,  
Robert H. Glass and Nathan G. Kase (1999).

Dewhurst's Textbook of Obstetrics and Gynaecology  
(7<sup>th</sup> Edition): by D. Keith Edmonds (2006).

Obstetrics and Gynaecology: An evidence-based text for MRCOG (2<sup>nd</sup> Edition):  
by David M. Luesley and Philip N. Baker (2010).

### **iv. Periodicals, Web sites, etc**

Obstetrics and Gynaecology clinics of North America

Best practice and clinical research of Obstetrics and

Gynaecology

Clinical Obstetrics and Gynaecology

American college for Obstetrics and Gynaecology

practical guidelines

Obstetrics, Gynaecology and reproductive Medicine

Royal college of Obstetrics and Gynaecology green top guidelines

Royal college of Obstetrics and Gynaecology evidence based guidelines  
NICE Guidelines for Obstetrics and Gynaecology European Journal of  
Obstetrics and Gynaecology Egyptian Journal of Obstetrics and  
Gynaecology

**v. others**

**None**

**9. Signatures**



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### **Annex 3, Methods of teaching/learning**

	Patient care	Medical knowledge	Practice-based learning/Improvement	Interpersonal and communication skills	Professionalism	Systems-based practice
Didactic (lectures, seminars, tutorial)	X	X		X	X	X
journal club,	X	X	X			
Educational prescription	X	X	X	X	X	X
Present a case (true or simulated) in a grand round	X	X	X	X	X	
Observation and supervision	X		X	X	X	X
conferences		X	X	X		X
Written assignments	X	X	X	X	X	X
Oral assignments	X	X	X	X	X	X

#### **Teaching methods for knowledge**

- ✓ Didactic (lectures, seminars, tutorial )
- ✓ journal club
- ✓ Critically appraised topic
- ✓ Educational prescription (a structured technique for following up on clinical questions that arise during rounds and other venues).
- ✓ Present a case (true or simulated) in a grand round
- ✓ Others

#### **Teaching methods for patient care**

- ✓ Observation and supervision /Completed tasks procedure/case logs
- ✓ On-the-job” training without structured teaching is not sufficient for this

skill (checklists).

▼ Simulation is increasingly used as an effective method for skill/ teamwork training.

### **Teaching methods for other skills**

▼ Written communication (e.g., orders, progress note, transfer note, discharge summary, operative reports, and diagnostic reports).

▼ Oral communication (e.g., presentations, transfer of care, interactions with patients, families, colleagues, members of the health care team) and/or non verbal skills (e.g., listening, team skills)

▼ Professionalism, including medical ethics, may be included as a theme throughout the program curriculum that includes both didactic and experiential components (e.g., may be integrated into already existing small group discussions of vignettes or case studies and role plays, computer-based modules) and may be modeled by the faculty in clinical practice and discussed with the resident as issues arise during their clinical practice.

### **Annex 4, ILOs evalua on methods for MD students.**

Method	Practical skills	K	Intellectual	General skills		
	Patient care	K	I	Practice- based learning/ Improvement	Interperso nal and communic ation skills	Profession alism
Record review	X	X	X		X	X
Checklist	X				X	
Global rating	X	X	X	X	X	X
Simulations	X	X	X	X	X	X
Portfolios	X	X	X	X	X	

Standardized oral examination	X	X	X	X	X	
Written examination	X	X	X	X		
Procedure/ case logs	X	X				
OSCE	X	X	X	X	X	X

## Department Of Obstetrics & Gynecology

### **Annex 4, Glossary of MD students assessment methods**

- ▼ Record Review – Abstraction of information from patient records, such as medications or tests ordered and comparison of findings against accepted patient care standards.
- ▼ Chart Stimulated Recall – Uses the MD doctor’s patient records in an oral examination to assess clinical decision- making.
- ▼ Mini clinical evaluation: Evaluation of Live/Recorded Performance (single event) – A single resident interaction with a patient is evaluated using a checklist. The encounter may be videotaped for later evaluation.
- ▼ Standardized Patients (SP) – Simulated patients are trained to respond in a manner similar to real patients. The standardized patient can be trained to rate MD doctor’s performance on checklists and provide feedback for history taking, physical examination, and communication skills. Physicians may also rate the MD doctor’s performance.
- ▼ Objective Structured Clinical Examination (OSCE) – A series of stations with standardized tasks for the MD doctors to perform. Standardized patients and other assessment methods often are combined in an OSCE. An observer or the standardized patient may evaluate the MD doctors.
- ▼ Procedure or Case Logs – MD doctors prepare summaries of clinical experiences including clinical data. Logs are useful to document educational experiences and deficiencies.
- ▼ PSQs – Patients fill out Patient Survey questionnaires (PSQs) evaluating the quality of care provided by MD doctors.



- ▼ Case /problems – assess use of knowledge in diagnosing or treating patients or evaluate procedural skills.
- ▼ Models: are simulations using mannequins or various anatomic structures to assess procedural skills and interpret clinical findings. Both are useful to assess practice performance and provide constructive feedback.
- ▼ 360 Global Rating Evaluations – MD doctors, faculty, nurses, clerks, and other clinical staff evaluate MD doctors from different perspectives using similar rating forms.
- ▼ Portfolios – A portfolio is a set of project reports that are prepared by the MD doctors to document projects completed during the MD study years. For each type of project standards of performance are set. Example projects are summarizing the research literature for selecting a treatment option, implementing a quality improvement program, revising a medical student clerkship elective, and creating a computer program to track patient care and outcomes.
- ▼ Examination MCQ – A standardized examination using multiple-choice questions (MCQ). The in-training examination and written board examinations are examples.
- ▼ Examination Oral – Uses structured realistic cases and patient case protocols in an oral examination to assess clinical decision-making.
- ▼ Procedure or Case Logs – MD doctors prepare summaries of clinical experiences including clinical data. Logs are useful to document educational experiences and deficiencies.
- ▼ PSQs – Patients fill out Patient Survey questionnaires (PSQs) evaluating the quality of care provided by MD doctors.

By whom	Method	sample
Quality Assurance Unit	Reports Field visits	#
External Evaluator (s): According to department council	Reports Field visits	#
External Examiner (s): According		
Stakeholders	Reports Field visits	#
Senior students	questionnaires	#
Alumni	questionnaires	#

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ملحق ١: Academic standard of the program:

وثيقة المعايير الأكاديمية المرجعية لبرنامج الدكتوراة

**Academic Reference Standards (ARS) for MD Degree in Obstetrics and Gynecology**

**1- Graduate attributes for medical doctorate in Obstetrics and Gynaecology**

***The Graduate (after residence training and medical doctorate years of study) must:***

- 1- Demonstrate competency and mastery of basics, methods and tools of scientific research and clinical audit in Obstetrics and Gynaecology.
- 2- Have continuous ability to add knowledge to Obstetrics and Gynaecology through research and publication.
- 3- Appraise and utilise relevant scientific knowledge to continuously update and improve clinical practice.
- 4- Acquire excellent level of medical knowledge in the basic medical, behavioural and clinical sciences, medical ethics and medical jurisprudence and apply such knowledge in patient care and scientific research.
- 5- Function as a leader of a team to provide patient care that is appropriate, effective and compassionate for dealing with health problems and health promotion.
- 6- Identify and create solutions for health problems in Obstetrics and Gynaecology.
- 7- Acquire an in depth understanding of common areas of Obstetrics and Gynaecology, from basic clinical care to evidence based clinical application, and possession of required skills to manage independently all problems in these areas.
- 8- Demonstrate leadership competencies including interpersonal and communication skills that ensure effective information exchange with individual patients and their families and teamwork with other health professions, the scientific community and the public.

**9-** Function as teacher in relation to colleagues, medical students and other health professions.

**10-** Master decision making capabilities in different situations related to Obstetrics and Gynaecology.

**11-** Show leadership responsiveness to the larger context of the health care system, including e.g. the organisation of health care, partnership with health care providers and managers, practice of cost-effective health care, health economics, and resource allocations.

**12-** Demonstrate in depth awareness of public health and health policy issues including independent ability to improve health care, and identify and carryout system- based improvement of care.

**13-** Show model attitudes and professionalism.

**14-** Demonstrate commitment for lifelong learning and maintenance of competence and ability for continuous medical education and learning in subsequent stages and in Obstetrics and Gynaecology or one of its subspecialties.

**15-** Use recent technologies to improve his practice in Obstetrics and Gynaecology.

**16-** Share in updating and improving clinical practice in Obstetrics and Gynaecology.

## ***2- Competency based Standards for medical doctorate in Obstetrics and Gynaecology***

### **22.1- Knowledge and understanding**

***By the end of the program, the graduate should demonstrate satisfactory knowledge and understanding of***

**2-1-A-** Established, updated and evidence- based theories, basics and developments of Obstetrics and Gynaecology and relevant sciences.

**2-1-B-** Basics, methods and ethics of medical research.

**2-1-C-** Ethical and medicolegal principles of medical practice related to Obstetrics

and Gynaecology.

**2-1-D-** Principles and measurements of quality in Obstetrics and Gynaecology.

**2-1-E-** Principles and efforts for maintainance and improvements of public health.

### **2- Intellectual skills**

***By the end of the program, the graduate should be able to demonstrate the following***

**2-2-A-** Application of basic and other relevant science to solve Obstetrics and Gynaecology related Problems.

**2-2-B-** Problem solving based on available data.

**2-2-C-** Involvement in research studies related to Obstetrics and Gynaecology.

**2-2-D-** Writing scientific papers.

**2-2-E-** Risk evaluation in the related clinical practice.

**2-2-F-** Planning for performance improvement in Obstetrics and Gynaecology.

**2-2-G-** Creation and innovation in Obstetrics and Gynaecology.

**2-2-H-** Evidence – based discussion.

**2-2-I-** Decision making in different situations related to Obstetrics and Gynaecology.

### **2.3- Clinical skills**

***By the end of the program, the graduate should be able to***

** *Competency-based outcomes for Patient Care:-***

**2-3-A-** MD students must be able to provide extensive level of patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health extensive level means in depth understanding and from basic science to evidence – based clinical application and possession of skills to manage independently all problems in Obstetrics and Gynaecology.

**2-3-B-** Master patient care skills relevant to Obstetrics and Gynaecology for patients with all diagnoses and procedures.

**2-3-C-** Write and evaluate reports for situations related to the Obstetrics and Gynaecology.

## **2.4- General skills**

*By the end of the program, the graduate should be able to*

### **+ Competency-based outcomes for Practice-based Learning and Improvement**

**2-4-A-** Master practice-based learning and improvement skills that involves investigation and evaluation of their own patient care, appraisal and assimilation of scientific evidence, improvements in patient care and risk management

**2-4-B-** Use competently all information sources and technology to improve his practice.

**2-4-C-** Master skills of teaching and evaluating others.

### **+ Competency-based objectives for Interpersonal and Communication Skills**

**2-4-D-** Master interpersonal and communication skills that result in effective information exchange and teaming with patients, their families, and other health professionals.

### **+ Competency-based objectives for Professionalism**

**2-4-E-** Master Professionalism behavior, as manifested through a commitment to carrying out professional responsibilities, adherence to ethical principles, and sensitivity to a diverse patient population.

### **+ Competency-based objectives for Systems-based Practice:**

**2-4-F-** Demonstrate an awareness of and responsiveness to the larger context and system of health care and the ability to effectively use system resources to provide care that is of optimal value.

**2-4-G-** Participate in improvement of the education system.

**2-4-H-** Demonstrate skills of leading scientific meetings including time management

**2-4-O-** Demonstrate skills of self and continuous learning.

اعتماد مجلس القسم، بتاريخ ٢٠١٣/٦

رئيس مجلس القسم

٣٥٤ ٢٠١٣/٦/١٦

اعتماد مجلس الكلية

## Department Of Obstetrics & Gynecology



قسم أمراض النساء والتوليد

## ملحق 2: المعايير القياسية العامة للدراسات العليا الصادرة عن الهيئة

### برامج الدكتوراة

#### ١- مواصفات الخريج

خريج برنامج الدكتوراة في أي تخصص يجب أن يكون قادرا على :

- ١-١ إجادة تطبيق أساسيات ومنهجيات البحث العلمي واستخدام أدواته المختلفة
- ٢-١ تطبيق المنهج التحليلي واستخدامه في مجال التخصص
- ٣-١ تطبيق المعارف المتخصصة ودمجها مع المعارف ذات العلاقة في مفاسته المهنية
- ٤-١ إظهار وعيا بالمشاكل الجارية والرؤى الحديثة في مجال التخصص
- ٥-١ تحديد المشكلات المهنية وإيجاد حلول لها
- ٦-١ إتقان نطاق مناسب من المهارات المهنية المتخصصة واستخدام الوسائل التكنولوجية المناسبة بما يخدم ممارسته المهنية
- ٧-١ التوصل بفاعلية والقدرة على قيادة فرق العمل
- ٨-١ اتخاذ القرار في سياقات مهنية مختلفة
- ٩-١ توظيف الموارد المتاحة بما يحقق أعلى استفادة والحفاظ عليها
- ١٠-١ إظهار الوعي بدوره في تنمية المجتمع والحفاظ على البيئة في ضوء المتغيرات العالمية والاقليمية
- ١١-١ التصرف بما يعكس الالتزام بالنزهة والمصداقية والالتزام بقواعد المهنة
- ١٢-١ تنمية ذاته أكاديميا ومهنيا وقادرا على التعلم المستمر

#### 2- المعايير القياسية العامة

##### ١-٢ المعرفة والفهم :

بانتهاة دراسة برنامج الدكتوراة يجب ان يكون الخريج على فهم ودراية بكل من :

- ١-١-٢ النظريات والاساسيات المتعلقة بمجال التعلم وكذا في المجالات ذات العلاقة
- ٢-١-٢ التأثير المتبادل بين الممارسة المهنية وانعكاسها على البيئة
- ٣-١-٢ التطورات العلمية في مجال التخصص
- ٤-١-٢ المبادئ الاخلاقية والقانونية للممارسة المهنية في مجال التخصص
- ٥-١-٢ مبادئ واساسيات الجودة في الممارسة المهنية في مجال التخصص
- ٦-١-٢ اساسيات واخلاقيات البحث العلمي

##### ٢-٢ المهارات الذهنية :

بانتهاة دراسة برنامج الدكتوراة يجب ان يكون الخريج قادرا على :

- ١-٢-٢ تحليل وتقييم المعلومات في مجال التخصص والقياس عليها لحل المشاكل
- ٢-٢-٢ حل المشاكل المتخصصة مع عدم توافر بعض المعطيات
- ٣-٢-٢ الربط بين المعارف المختلفة لحل المشاكل المهنية
- ٤-٢-٢ اجراء دراسة بحثية او كتابة دراسة علمية منهجية حول مشكلة بحثية
- ٥-٢-٢ تقييم المخاطر في الممارسات المهنية في مجال التخصص
- ٦-٢-٢ التخطيط لتطوير الاداء في مجال التخصص
- ٧-٢-٢ اتخاذ القرارات المهنية في سياقات مهنية متنوعة

##### ٣-٢ المهارات المهنية

بانتهاة دراسة برنامج الدكتوراة يجب ان يكون الخريج قادرا على :

- ١-٣-٢ اتقان المهارات المهنية الاساسية والحديثة في مجال التخصص
- ٢-٣-٢ كتابة وتقييم التقارير المهنية
- ٣-٣-٢ تقييم الطرق والادوات القائمة في مجال التخصص

##### ٤-٢ المهارات العامة والمنتقلة :

بانتهاة دراسة برنامج الدكتوراة يجب ان يكون الخريج قادرا على :

- ١-٤-٢ التواصل الفعال بأنواعه المختلفة
- ٢-٤-٢ استخدام تكنولوجيا المعلومات بما يخدم الممارسة المهنية

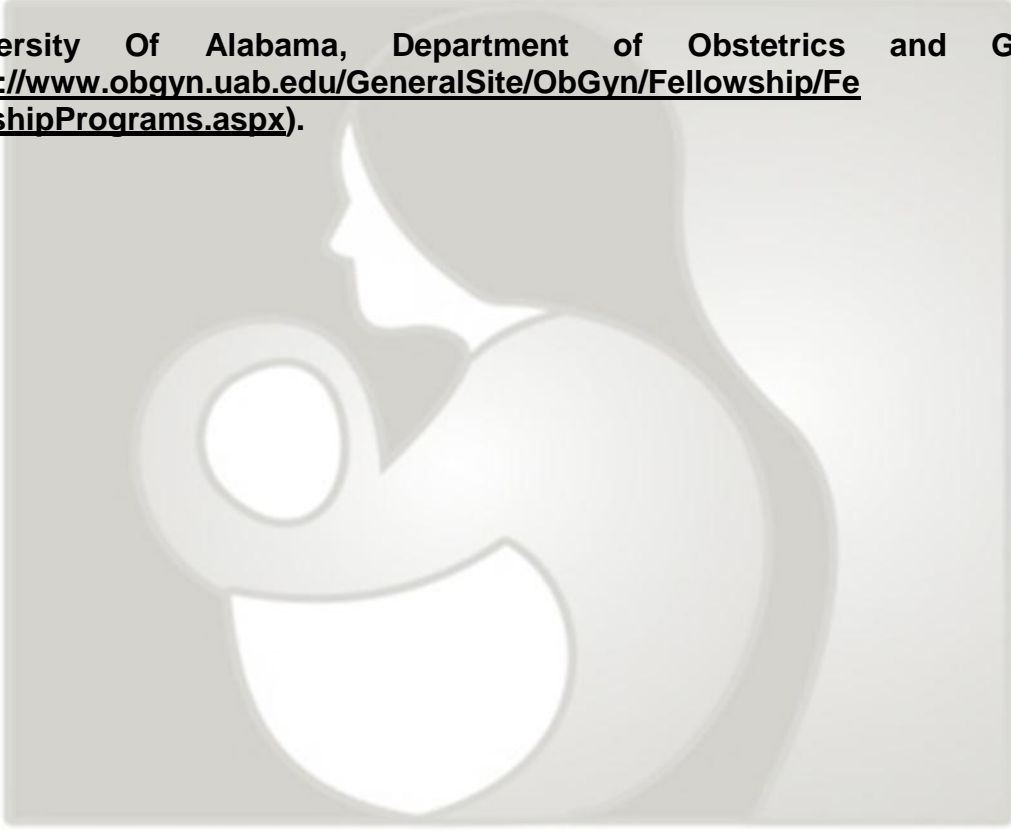


- ٣-٤-٢ التقييم الذاتي وتحديد احتياجاته التعليمية  
٤-٤-٢ استخدام المصادر المختلفة لحصول على المعلومات والمعارف  
٥-٤-٢ وضع قواعد ومؤشرات تقييم اداء الاخرين  
٦-٤-٢ العمل في فريق سياقات مهنية مختلفة  
٧-٤-٢ ادارة الوقت بكفاءة  
٨-٤-٢ التعلم الذاتي والمستمر

## Department Of Obstetrics & Gynaecology

### ملحق 3: Benchmarks (المعايير /العلامات المرجعية)

University Of Alabama, Department of Obstetrics and Gynaecology.  
(<http://www.obgyn.uab.edu/GeneralSite/ObGyn/Fellowship/FellowshipPrograms.aspx>).



قسم أمراض النساء والتوليد

## I- General Academic Reference Standards (GARS) versus Program ARS

### 1- Graduate attributes

adopted ARS	NAQA AE ARS for
1- Demonstrate competency and mastery of basics, methods and tools of scientific research and clinical audit in Obstetrics and	م ونجدياتا لبحث العلمي ١- إقتان ساسايات
2- Have continuous ability to add knowledge new developments to Obstetrics and Gynaecology through research and publication.	علي لإاضفلا لاعمفري في ٢- المعدل السمترم اجمل التصخص
3- Appraise and utilise scientific knowledge to continuously update and improve clinical practice and relevant basic sciences.	التحليلي ولانادق للراعف في ٣- تطبيق المنهج ا ولاجملات ذاتا لعقلاة اجمل التصخص
4- Acquire excellent level of medical knowledge in the basic biomedical, clinical, behavioural and clinical sciences, medical ethics and medical jurisprudence and apply such knowledge in	المتخصصة مع لاعمفر ٤- دمجا لاعمفر سم نتبطام وطور العقلاات اذت علا قلاة لايينية بينها

<p>5- Function as a leader of a team to provide patient care that is appropriate, compassionate for dealing with effective and health Problems and health promotion.</p> <p>7- Acquire an in depth understanding of common areas of speciality, from basic clinical care to evidence based clinical application, and possession of skills to manage independently all problems in these areas.</p>	<p>ويعد عمقياً لمشاكل الرعاية و          ٥- إرهظ          الحديثة اجم في ل التخصص          لانرظيات</p>
<p>6- Identify and create solutions for health problems in Obstetrics and Gynaecology</p>	<p>الكشملات الهيمية إ وياجدد لولا          ٦- تحديد          تم كتحال</p>
<p>5- Function as a leader of a team to provide patient care that is appropriate,</p>	<p>اطنقاو ام اعسن ا لر اهمتا الهيمية          ٧- إقتان</p>
<p>effective and compassionate for dealing with health</p>	<p>نحو طبيور طرق أ ودوات و          لوتجه</p>
<p>16- Share in updating and improving clinical practice in Obstetrics and Gynaecology .</p>	<p>ا لتكنولوجيا المناسبة مبالا ل واسبأ          ٩- استخدم ا د</p>
<p>15- Use recent technologies to improve his practice in Obstetrics and Gynaecology</p>	<p>ي فل افبعلية ق و يادف تريق مع          ل- الوتاصد ١٠</p>
<p>8- Demonstrate leadership competencies including interpersonal and communication</p>	<p>العملوماتا لمتحافل ظ في          ١١- اتاخذا لقررا</p>
<p>10- Master decision making capabilities in different situations related to Obstetrics and Gynaecology.</p>	<p>ا لموادر المتحاف كبعة و تنميتها          ١٢- توظيف          على إ ياجدم وادر جديد قل لاومع</p>
<p>11- Show leadership responsiveness to the larger context of the health care system, including e.g. the organisation of health care, partnership with health care providers and managers, practice of cost-effective health care, health economics, and resource allocations.</p>	

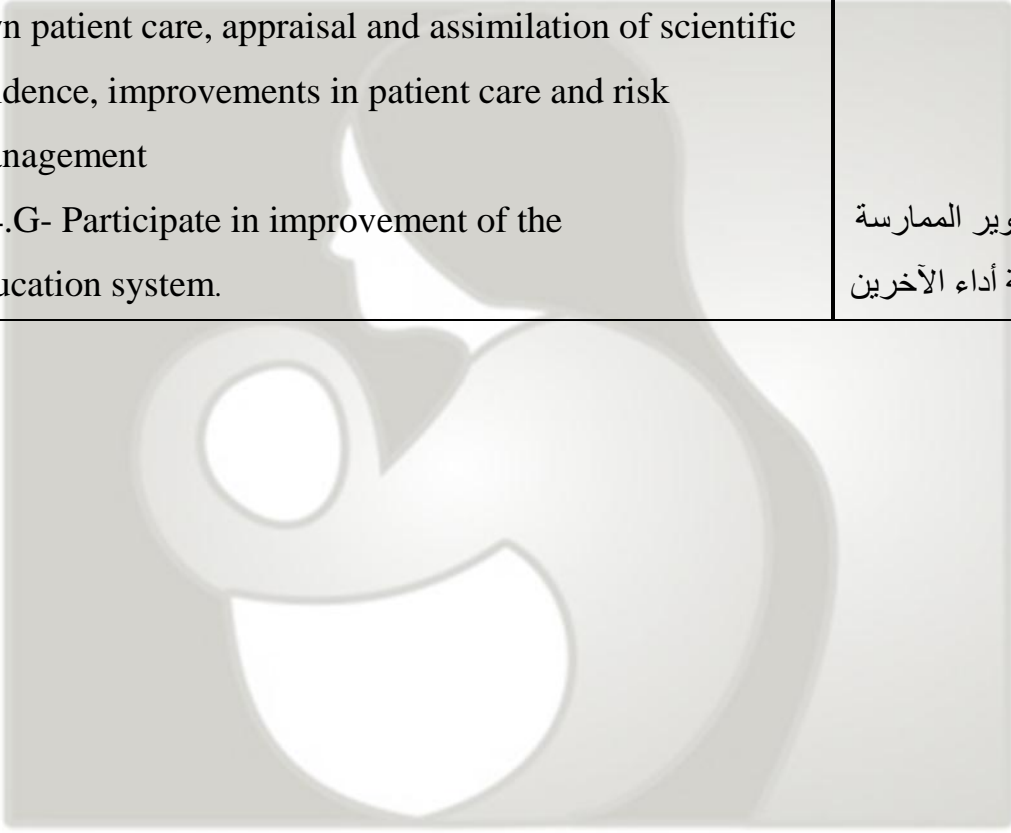
12- Demonstrate in depth awareness of public health and health policy issues including independent ability to improve health care, and identify and carryout system-based improvement of care.	(١) الوعي بدوره في تنمية المجتمع والحفاظ على البيئة
13- Show model attitudes and professionalism.	(٢) التصرف بما يعكس الالتزام بالنزاهة
14- Demonstrate commitment for lifelong learning and maintenance of competence and ability for continuous medical education and learning in subsequent stages and in Obstetrics and Gynaecology or one of its subspecialties.	(٣) الالتزام بالتنمية الذاتية المستمرة ونقل علمه وخبراته للآخرين
15- Use recent technologies to improve	

### Academic standards

Faculty ARS	NAQAAE General ARS
2.1. A- Established, updated and evidence- based theories, basics and developments of Obstetrics and	و الأساسيات ولأحدث من - النظريات أ-١-٢ التخصص لاجم في ف
2.1. B- Basic, methods and ethics of medical research.	م ونهجيات خأ وقلايات - أساسيات ب-١-٢
2.1. C- Ethical and medicological principles of medical practice related to Obstetrics and Gynaecology	ة و الينوناقادئ الأخلاقيات المبة - ج-١-٢
2.1. D- Principles and measurements of quality in Obstetrics and Gynaecology .	ي-ودة فيات الجادئ و أساساً- مبة - د-١-٢ التخصص لاهمينا جم في فة لالتسرامم

2.1. E- Principles and efforts for maintains and improvements of public health.	المتعلقة أبثرا سرامته - الاعمفر-ه-١-٢ تقرر تنميد على النبية طو المسنة
2.2. A- Application of basic and other relevant science to solve Obstetrics and Gynaecology related problems.	ل و تمبيق المعلومات في اجم ل-أ-تحليل-٢-٢
2.2.B- Problem solving based on available data.	المتةصخذ سانئادل الكاشم ل-ب-ح-٢-٢
2.2.C- Involvement in research studies related to Obstetrics and Gynaecology	داراست حبيثة ضنيف إلى ج-جاءار-٢-٢
2.2. D- Writing scientific papers.	د-صياغاأ قوراق علمية-٢-٢
2.2. E- Risk evaluation in the related clinical practice	تقييم الطاخمر في الاسرامم -٢-٢هـ
2.2.F- Planning for performance improvement in Obstetrics and Gynaecology	ل-تطويرا لأعاد في اجم و-ل-اتخطيط-٢-٢
2-2-G- Creation and innovation in the Obstetrics and Gynaecology	ز-الابتاكر /ابالإادع-٢-٢
2.2. H- Evidence – based discussion.	- الحوار ولاناقش المنبي علي ح-٢-٢
2.2.I- Discussion making in different situations related to Obstetrics and Gynaecology .	القررات اهملينة في سياقات ٢-٢ ط-اتاخذ
2.3. A- MD students must be able to provide extensive level of patient care that is	الراهمتا الهمينة الأساسية و أ-٣-٢-إتاقتن

<p>2.3. C- Write and evaluate reports for situations related to the field of Obstetrics and Gynaecology.</p>	<p>- كتابة و تمبيقا لتراتيا رلهمينة. ٢-٣ب</p>
<p>2.4.A-Master practice-based learning and improvement skills that involves investigation and evaluation of their own patient care, appraisal and assimilation of scientific evidence, improvements in patient care and risk management</p> <p>2.4.G- Participate in improvement of the education system.</p>	<p>استخدام الوسائل التكنولوجية بما يخدم الممارسة المهنية</p> <p>التخطيط لتطوير الممارسة المهنية وتنمية أداء الآخرين</p>



قسم أمراض النساء والتوليد

*Comparison between ARS- ILOS for medical doctorate for  
Obstetrics and Gynaecology*

**(ARS)**

**(ILOs)**

<b>(ARS)</b>	<b>(ILOs)</b>
<p><b><u>2-1- Knowledge and understanding</u></b></p> <p><b>2-1-A-</b> Established, updated and evidence-based Theories, Basics and developments of Obstetrics and Gynaecology and relevant sciences.</p>	<p><b><u>2-1- Knowledge and understanding</u></b></p> <p><b>2-1-A-</b> Demonstrate in-depth knowledge and understanding of theories, basics and updated biomedical, clinical epidemiological and socio behavioral science relevant to his specialty as well as the evidence – based application of this knowledge to patient care.</p>
<p><b>2-1-B</b> Basic, methods and ethics of medical research.</p>	<p><b>2-1-B-</b> Explain basics, methodology, tools and ethics of scientific medical, clinical research.</p>
<p><b>2-1-C-</b> Ethical and medicological principles of medical practice related to Obstetrics and Gynaecology field</p>	<p><b>2-1-C-</b> Mention ethical, medico logical principles and bylaws relevant to his practice in the field of Obstetrics and Gynaecology .</p>
<p><b>2-1-D-</b> Principles and measurements of quality in the Obstetrics and Gynaecology field.</p>	<p><b>2-1-D-</b> Mention principles and measurements of quality assurance and quality improvement in medical education and in clinical practice of Obstetrics and Gynaecology.</p>
<p><b>2-1-E-</b>Principles and efforts for maintains and improvements of public health.</p>	<p><b>2-1-E-</b> Mention health care system, public health and health policy, issues relevant to this specialty and principles and methods of system – based improvement of patient care in common health problems of the field of Obstetrics and Gynaecology</p>
<p><b><u>2-2- Intellectual skills:</u></b></p> <p><b>2-2-A-</b>Application of basic and other relevant science to solve Obstetrics and Gynaecology related problems.</p>	<p><b><u>2-2- Intellectual skills:</u></b></p> <p><b>2-2-A-</b> Apply the basic and clinically supportive sciences which are appropriate to Obstetrics and Gynaecology related conditions / problem / topics.</p>

<b>2-2-B-Problem solving</b> based on available data.	<b>2-2-A-</b> Apply the basic and clinically supportive sciences which are appropriate to
<b>2-2-C-</b> Involvement in research studies related to the	<b>2-2-B-</b> Demonstrate an investigatory and analytic thinking “problem – solving
<b>2-2-D</b> Writing scientific papers.	<b>2-2-C-</b> Plan research projects.
<b>2-2-E-Risk evaluation in the</b> related clinical practice.	<b>2-2-D-</b> Write scientific paper.
<b>2-2-F-Planning for</b> performance improvement in	<b>2-2-E-</b> Participate in clinical risk management as a part of clinical
<b>2-2-G-Creation and</b> innovation in the specialty	<b>2-2-F-</b> Plan for quality improvement in the field of medical education and clinical practice in
<b>2-2-H-Evidence – based</b> discussion.	<b>2-2-G-</b> Create / innovate plans, systems, and other issues for improvement of performance in
<b>2-2-I-Decision making in</b> different situations related to Obstetrics and Gynaecology	<b>2-2-H-</b> Present and defend his / her data in front of a panel of experts.

<b>continuous</b>	<b>continuous</b>
<p><b><u>2/3/1/Prac cal skills (Pa ent care :)</u></b> (ILOS)</p> <p><b>2-3-1-A-</b> Provide extensive level of patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health. <i>p.s.</i> Extensive level means in-depth understanding from basic science to evidence – based clinical application and possession of skills to manage independently all problems in field of practice.</p> <p><b>2-3-1-B-</b> Provide extensive level of patient care for patients with all common diagnoses and for uncomplicated procedures related to Obstetrics and Gynaecology s.</p> <p><b>2-3-1-C-</b> Provide extensive level of patient care for non-routine, complicated patients and under increasingly difficult circumstances, while demonstrating compassionate, appropriate and effective care.</p>	<p><b><u>2-3- Clinical skills:</u></b> (ARS)</p> <p><b>2-3-A-</b> MD students must be able to provide extensive level of patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health extensive level means in depth understanding and from basic science to evidence – based clinical application and possession of skills to manage independently all problems in his field of practice.</p> <p><b>2-3-B-</b> Master patient care skills relevant to Obstetrics and Gynaecology for patients with all diagnoses and procedures.</p>



<p><b>2-3-1-D-</b> Perform diagnostic and therapeutic procedures considered essential in the field of Obstetrics and Gynaecology</p> <p><b>2-3-1-E-</b> Handles unexpected complications, while demonstrating compassion and sensitivity to patient needs and concerns.</p> <p><b>2-3-1-F-</b> Communicate effectively and demonstrate caring and respectful behaviors when interacting with patients and their families in the Obstetrics and Gynaecology related situations.</p>	
<p><b>2-3-1-G-</b> Gather essential and accurate information about patients of the Obstetrics and Gynaecology related conditions.</p> <p><b>2-3-1-H</b> Make informed decisions about diagnostic and therapeutic interventions based on patient information and preferences, up-to- date scientific evidence and clinical judgment for the Obstetrics and Gynaecology related conditions.</p> <p><b>2-3-1-I-</b> Develop and carry out patient management plans for Obstetrics and Gynaecology related conditions.</p> <p><b>2-3-1-J-</b> Counsel and educate patients and their families about Obstetrics and Gynaecology related conditions.</p> <p><b>2-3-1-K-</b> Use information technology to support patient care decisions and patient education in all Obstetrics and Gynaecology related clinical situations.</p> <p><b>2-3-1-L-</b> Perform competently all medical and invasive procedures considered essential for the Obstetrics and Gynaecology related conditions / area of practices.</p> <p><b>2-3-1-M-</b> Provide health care services aimed at preventing the Obstetrics and Gynaecology related health problems.</p> <p><b>2-3-1-N-</b> Lead health care professionals, including those from other disciplines, to provide patient-focused care in Obstetrics and Gynaecology related conditions.</p>	
<p><b>2-3-1-O-</b> Write competently all forms of patient charts and sheets including reports evaluating these charts</p>	<p><b>2-3-C-</b> Write and evaluate reports for situations related to</p>

<p>and sheets.( Write and evaluate a consultation note, Inform patients of a diagnosis and therapeutic plan, completing and evaluating comprehensive timely and legible medical records).</p>	<p>the field of Obstetrics and Gynaecology</p>
<p><b><u>2/3/2 General skills</u></b></p> <p><b>2-3-2-A-</b> Demonstrate the competency of continuous evaluation of different types of care provision to patients in the different area of Obstetrics and Gynaecology</p> <p><b>2-3-2-B-</b> Appraise scientific evidence.</p> <p><b>2-3-2-C-</b> Continuously improve patient care based on constant self-evaluation and <u>life-long learning</u>.</p> <p><b>2-3-2-D.</b> Participate in clinical audit and research projects.</p> <p><b>2-3-2-E-</b> Practice skills of evidence-based Medicine (EBM).</p> <p><b>2-3-2-G-</b> Design logbooks.</p> <p><b>2-3-2-H-</b> Design clinical guidelines and standard protocols of management.</p> <p><b>2-3-2-I-</b> Appraise evidence from scientific studies related to the patients' health problems.</p>	<p><b><u>2-4- General skills</u></b></p> <p><b>2-4-A-</b> Master practice-based learning and improvement skills that involves investigation and evaluation of their own patient care, appraisal and assimilation of scientific evidence, improvements in patient care and risk management</p>
<p><b>2-3-2-J-</b> Apply knowledge of study designs and statistical methods to the appraisal of clinical studies.</p> <p><b>2-3-2-K-</b> Use information technology to manage information, access on- line medical information; for the important topics.</p>	<p><b>2-4-B-</b> Use competently all information sources and technology to improve his practice.</p>
<p><b>2-3-2-F-</b> Educate and evaluate students, residents and other health professionals.</p>	<p><b>2-4-C-</b> Master skills of teaching and evaluating others.</p>
<p><b>2-3-2-L-</b> Master interpersonal and communication skills that result in the effective <u>exchange of information and collaboration</u> with patients, their families, and health professionals, including:- <u>Present</u> a case. <u>Write</u> a consultation note. <u>Inform patients</u> of a diagnosis and therapeutic plan Completing and maintaining comprehensive. Timely and legible <u>medical records</u>. Teamwork skills.</p> <p><b>2-3-2-M-</b> Create and sustain a therapeutic and ethically sound relationship with patients.</p> <p><b>2-3-2-N-</b> Elicit and provide information using effective nonverbal, explanatory, questioning, and writing skills.</p> <p><b>2-3-2-O-</b> Work effectively with others as a member or leader of a health care team or other professional group.</p>	<p><b>2-4-D-</b> Master interpersonal and communication Skills that result in effective information exchange and teaming with patients, their families, and other health professionals.</p>

<p><b>2-3-2-P-</b> Demonstrate respect, compassion, and integrity; a responsiveness to the needs of patients and society.</p>	<p><b>2-4-E-</b> Master Professionalism behavior, as manifested through a commitment to carrying out professional responsibilities, adherence to ethical</p>
<p><b>2-3-2-Q-</b> Demonstrate a commitment to ethical principles including provision or withholding of clinical care, confidentiality of patient information, informed consent, and business practices.</p> <p><b>2-3-2-R-</b> Demonstrate sensitivity and responsiveness to patients' culture, age, gender, and disabilities.</p>	<p>principles, and sensitivity to a diverse patient population.</p>
<p><b>2-3-2-S-</b> Work effectively in health care delivery settings and systems related to Obstetrics and Gynaecology including good administrative and time management.</p> <p><b>2-3-2-T-</b> Practice cost-effective health care and resource allocation that does not compromise quality of care.</p> <p><b>2-3-2-U-</b> Advocate for quality patient care and assist patients in dealing with system complexities.</p> <p><b>2-3-2-V-</b> Design, monitor and evaluate specification of under and post graduate courses and programs.</p>	<p><b>2-4-F-</b> Demonstrate an awareness of and responsiveness to the larger context and system of health care and the ability to effectively use system resources to provide care that is of optimal value.</p> <p><b>2-4-G-</b> Participate in improvement of the education system.</p>
<p><b>2-3-2-W-</b> Act as a chair man for scientific meetings including time management</p> <p><b>2-3-2-S-</b> Work effectively in health care delivery settings and systems related to Obstetrics and Gynaecology including good administrative and time management.</p>	<p><b>2-4-H-</b> Demonstrate skills of leading scientific meetings including time management</p>
<p>From A to H</p>	<p><b>2-4-O-</b> Demonstrate skills of self and continuous learning .</p>

## Program matrix

### Knowledge and Understanding

Course	Program covered ILOs							
	2/1/A	2/1/B	2/1/C	2/1/D	2/1/E	2/1/F	2/1/G	2/1/H
Anatomy	ü							
Pathology	ü							
Microbiology	ü							
Obstetrics and Gynaecology	ü	ü	ü	ü	ü	ü	ü	ü

### Intellectual

Course	Program covered ILOs			
	2/2/A	2/2/B	2/2/C	2/2/D
: Anatomy	ü			
Pathology	ü			
Microbiology	ü			
Obstetrics and Gynaecology	ü	ü	ü	ü

## Practical Skills (Patient Care)

Course	Program covered ILOs							
	2/3/1/A	2/3/1/B	2/3/1/C	2/3/1/D	2/3/1/E	2/3/1/F	2/3/1/G	2/3/1/H
Anatomy				ü				
Pathology				ü	ü			
microbiology				ü	ü			
Obstetrics and Gynaecology	ü	ü	ü	ü	ü	ü	ü	ü

## General Skills

Course	Program covered ILOs							
	2/3/2/A	2/3/2/B	2/3/2/C	2/3/2/D	2/3/2/E	2/3/2/F	2/3/2/G	2/3/2/H
Anatomy								
Pathology	ü	ü						
Obstetrics and Gynaecology	ü	ü	ü	ü	ü	ü	ü	ü

## General skills

Course	Program covered ILOs						
	2/3/2/I	2/3/2/J	2/3/2/K	2/3/2/L	2/3/2/M	2/3/2/N	2/3/2/O
Anatomy	ü	ü			ü		
Pathology	ü	ü			ü		
Microbiology	ü	ü			ü		
Obstetrics and Gynaecology	ü	ü	ü	ü	ü	ü	ü

رئيس القسم  
التوقيع :

أستاذ المادة  
التوقيع

قسم أمراض النساء والتوليد