

## Course Specification Card for Infertility

College	College of Medicine	Department	Medical Education		
Course Name (English)	Infertility Elective	Course Name (Arabic)	العقم		
Course Number	1000429	Course Code	15666 F&15662M		
Credit Hrs.	1	Contact Hrs.	Theoretical	Practical	T
Teaching Language	English <input checked="" type="checkbox"/> Arabic <input type="checkbox"/>		15		15
Teaching Method	<input checked="" type="checkbox"/> Face-to-Face <input type="checkbox"/> Online <input type="checkbox"/> Blended				
Course Nature	<input type="checkbox"/> Compulsory <input checked="" type="checkbox"/> Elective				
Course Type	<input type="checkbox"/> University Requirement <input checked="" type="checkbox"/> College Requirement <input type="checkbox"/> Program Requirement				
Level	Year 4	Pre-Requisite(s)	-		

### Course Description

-This four-week course teaches fourth year medical students' basic principles of infertility

-The course is a part of student-centered curriculum based on Problem Based Learning (PBL) method and student self-directed learning (SDL).

### Course Main Objective

At the completion of the course students should have the necessary knowledge skills and attitudes in Reproductive Medicine, related ethics and legal issues), that will enable them to:

1. Explain the pathophysiology of infertility that affect women and/or men, tests to diagnose, and the appropriate management options for these conditions.
2. Apply the theoretical knowledge obtained to clinical practice.
3. Develop clinical acumen and skills in order that common gynecological and male abnormalities causing infertility can be recognized and appropriate management (medical and/or surgical) elaborated.
4. Demonstrate the initial development of the clinical skills required for couple exploration, including: taking an effective history, developing a differential diagnosis and an appropriate management plan.
5. Show professional attitude considering different medical, social, psychological, ethical and legal issues.

- Orientation session
- Female infertility
- Male infertility: evaluate, describe the causes of male infertility
- The Infertile Couple Investigation: diagnosis tests and procedure for the evaluation of the infertility
- Unexplained infertility: define and evaluate the unexplained infertility

- Describe the structural properties of female and male genital tracts
- Recite the basic physiological aspects and their dysregulation related to
- Sexual maturity and function (male and female)
  - Genetic and non-genetic factors affecting phenotype
  - Homeostasis and adaptations to different stimuli for genital tract development, sexual function, reproductive medicine
- Describe the aetiology, epidemiology and pathophysiological mechanisms of:
- Infertility, sexual dysfunction and the effect of the age on fertility and sexuality (male and female) .
- Genital tract infection
- (male and female)
- Explain different management for common infertility problems
- Analyses gynecological, sexual, obstetrical problems in a systematic manner utilizing :

<ul style="list-style-type: none"> <li>• Assisted Reproductive Technology (ART): techniques, indications and complications</li> <li>• Infertility management</li> <li>• -Ovulation induction</li> <li>• -Ovarian stimulation</li> <li>• -Assisted Reproductive Technology (ART): techniques, indications and complications</li> </ul>	<ul style="list-style-type: none"> <li>• Outlines of the scientific history of medicine .</li> <li>• Problem solving models and decision theories: gather information, interpret information (symptoms, signs and investigations), identify problem and develop care plan.</li> <li>• Sources of illness and life style.</li> <li>• Priorities and costs of medical services.</li> <li>• Contextual factors such as the family, socio-economic variables, gender, age, ethnicity, culture, and beliefs.</li> <li>• -indicate the appropriate investigations in each condition</li> <li>• -interpret the diagnostic and therapeutic procedures</li> <li>• Outline, acquire and apply different kinds of clinical reasoning during tutorial group meetings using PBL methodology in discussing different medical problems</li> <li>• Communicate clearly and respectfully with peer .</li> <li>• Emphasize the general foundations of medical ethics</li> <li>• (Reproductive medicine)</li> </ul>
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Assessment Tools	<input type="checkbox"/> Periodic Exams	%	<input type="checkbox"/> Short Exams	%	<input type="checkbox"/> Final Exam	%60
	<input type="checkbox"/> Individual Assignments	%	<input type="checkbox"/> Group Assignments	%	<input type="checkbox"/> Oral Participations	%40

Main Reference	<ul style="list-style-type: none"> <li>▪ <i>Beckmann and Ling's Obstetrics and Gynecology</i>  <i>Dr. Robert Casanova.</i>  <i>Lippincott Williams &amp; Wilkins / ISBN 13: 978-1496353092 / 8th edition / 2018</i></li> </ul>
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Supporting References	<ul style="list-style-type: none"> <li>▪ NMS Obstetrics and Gynecology, 7th Edition by Samantha M. Pfeifer          English   2011   ISBN: 1608315762   528 pages   PDF   12,1 MB</li> <li>▪ Nice guideline. Fertility problems: assessment and treatment          Clinical guideline [CG156]Published date: 20 February 2013 Last updated: 06 September 2017</li> </ul>
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