

**SECOND DEPARTMENT OF OBSTETRICS & GYNECOLOGY
MEDICAL SCHOOL**

NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS

DIRECTOR: Professor Nikolaos Vlachos, MD, PhD

**Certified European Training Center in Obstetrics and Gynecology by the European College of
Obstetrics and Gynecology (EBCOG)**

COURSE MANAGER: Professor Charalampos Siristatidis, MD, PhD

SCIENTIFIC PROGRAM

OPTIONAL COMPULSORY COURSE «Reproductive Medicine - Assisted Reproductive Technology»

Spring semesters (8th, 10th, 12th)

Sections: 15: 00 - 15: 45
15: 45 - 16: 30
16: 30 - 17: 15

	SECTION	LESSON	
11/4/2022	Biostatistics and Epidemiology	<ul style="list-style-type: none">• Basic principles of statistics• Basic principles of epidemiology• Types of studies - Systematic errors	Boutsikou M Psaltopoulou T Siristatidis C
13/4/2022	The Female Reproductive System	<ul style="list-style-type: none">• Basic principles of anatomy and physiology Hormones: mechanisms of action Amenorrhea• Embryology and sexual differentiation• Clinical diagnostic approaches	Siristatidis C Xristopoulos P Karampas G
15/4/2022	The Male Reproductive System	<ul style="list-style-type: none">• Basic principles of anatomy and physiology Hormones: mechanisms of action• Disorders of anatomy and physiology• Diagnostic laboratory approaches	Levis P Levis P Nikiforaki D
18/4/2022	Infertility 1	<ul style="list-style-type: none">• Evaluation of the infertile couple• Male infertility	Triantafillidou O Kalampokas T

		<ul style="list-style-type: none"> • Ovarian reserve and premature ovarian failure 	Bakas P
20/4/2022	Infertility 2	<ul style="list-style-type: none"> • Special categories of diseases (fibroids, Asherman's syndrome) • Unexplained infertility • Fertility preservation 	Ioannidis G Vlahos N Vlahos N
2/5/2022	Assisted Reproduction 1	<ul style="list-style-type: none"> • Basic principles • Controlled ovarian stimulation protocols • The endometrium in Assisted Reproduction 	Siristatidis C Makrakis E Galazios G
4/5/2022	Assisted Reproduction 2	<ul style="list-style-type: none"> • Excessive and low response to ovarian stimulation • IVF and autoimmune endocrine disorders / endometriosis • Egg and sperm donation / Surrogacy 	Dimitropoulos K Dafopoulos K Kanakas N
6/5/2022	Bioethics - Medical Genetics	<ul style="list-style-type: none"> • Issues of bioethics and legal framework in Assisted Reproduction • Principles of Medical Genetics • Principles of genetic counseling 	Nikolakopoulou M Makrythanasis P Makrythanasis P
9/5/2022	Embryological, laboratory and genetic diagnosis issues	<ul style="list-style-type: none"> • Techniques and applications in the embryological laboratory • Preimplantation genetic diagnosis • Quality management and success rates of embryological laboratory 	Tzanakaki D Simopoulou M Nikitos E
11/5/2022	Surgical treatment of infertility 1	<ul style="list-style-type: none"> • Hysteroscopy • Laparoscopy • Other methods of minimally invasive surgery - Robotics 	Panoskaltsis T Balafoutas D Tsakos I
13/5/2022	Surgical treatment of infertility 2	<ul style="list-style-type: none"> • Congenital anomalies of the reproductive system • Endometriosis • Tubal and uterine surgery - Complications 	Kalampokas E Vlahos N Kalampokas E
18/5/2022	Recurrent pregnancy loss	<ul style="list-style-type: none"> • Etiologies • Laboratory investigation - Clinical treatment • Guidelines 	Siristatidis C Siristatidis C Stavros S

20/5/2022	Complications of Assisted Reproduction Technologies	<ul style="list-style-type: none">• IVF drugs and gynecological cancer• Ovarian hyperstimulation syndrome• Multiple pregnancies• Risk of congenital anomalies after IVF	Siristatidis C Kolibianakis S Eleftheriadis M Kanaka C
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