

**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 – ONLINE COURSE**

**OPTIONAL COMPULSORY COURSE «Reproductive Medicine - Assisted Reproductive Technology»**

Pregraduates of the Medical School - Spring semesters (8<sup>th</sup>, 10<sup>th</sup>, 12<sup>th</sup>)

Sections: 15: 30 - 16: 15  
16: 15 - 16: 45  
16: 50 - 17: 30

	SECTION	PRESENTATION	PRESENTER
1/4/2024	Biostatistics and Epidemiology	<ul style="list-style-type: none"> <li>• Basic principles of statistics</li> <li>• Basic principles of epidemiology</li> <li>• Types of studies - Systematic errors</li> </ul>	Boutsikou M Psaltopoulou T Siristatidis C
2/4/2024	The Female Reproductive System	<ul style="list-style-type: none"> <li>• Basic principles of anatomy and physiology</li> <li>• Hormones: mechanisms of action Amenorrhea</li> <li>• Clinical diagnostic approaches</li> </ul>	Siristatidis C  Siristatidis C  Karampas G
3/4/2024	The Male Reproductive System	<ul style="list-style-type: none"> <li>• Basic principles of anatomy and physiology Hormones: mechanisms of action</li> <li>• Disorders of anatomy and physiology</li> <li>• Diagnostic laboratory approaches</li> </ul>	Levis P  Levis P Nikiforaki D
8/4/2024	Infertility 1	<ul style="list-style-type: none"> <li>• Evaluation of the infertile couple</li> <li>• Male infertility</li> <li>• Ovarian reserve and premature ovarian failure</li> </ul>	Siristatidis C Kalampokas T Bakas P
9/4/2024	Infertility 2	<ul style="list-style-type: none"> <li>• Special categories of diseases (fibroids, Asherman's syndrome)</li> <li>• Unexplained infertility</li> <li>• Social freezing</li> </ul>	Ioannidis G  Siristatidis C Siristatidis C
10/4/2024	Assisted Reproduction 1	<ul style="list-style-type: none"> <li>• Basic principles of Assisted Reproduction / Controlled ovarian stimulation protocols</li> <li>• The endometrium in Assisted Reproduction</li> </ul>	Christoforidis N  Galazios G

		<ul style="list-style-type: none"> <li>• The use of ultrasound in infertility and assisted reproduction</li> </ul>	Aravantinos L
15/4/2024	Assisted Reproduction 2	<ul style="list-style-type: none"> <li>• Excessive and low response to ovarian stimulation</li> <li>• IVF and autoimmune endocrine disorders / endometriosis</li> <li>• Egg and sperm donation / Surrogacy</li> </ul>	Siristatidis C  Ioannidis G  Kanakas N
16/4/2024	Bioethics - Medical Genetics	<ul style="list-style-type: none"> <li>• Issues of bioethics and legal framework in Assisted Reproduction</li> <li>• Principles of Medical Genetics</li> <li>• Principles of genetic counseling</li> </ul>	Nikolakopoulou M  Ververi A Makrythanasis P
17/4/2024	Embryological, laboratory and genetic diagnosis issues	<ul style="list-style-type: none"> <li>• Techniques and applications in the embryological laboratory</li> <li>• Preimplantation genetic diagnosis</li> <li>• Quality management and success rates of embryological laboratory</li> </ul>	Tzanakaki D  Simopoulou M Chatziparasidou A
22/4/2024	Surgical treatment of infertility 1	<ul style="list-style-type: none"> <li>• Hysteroscopy</li> <li>• Laparoscopy</li> <li>• Other methods of minimally invasive surgery - Robotics</li> </ul>	Balafoutas D Balafoutas D Tsakos I
23/4/2024	Surgical treatment of infertility 2	<ul style="list-style-type: none"> <li>• Congenital anomalies of the reproductive system</li> <li>• Endometriosis</li> <li>• Tubal and uterine surgery - Complications</li> </ul>	Biliatis J  Tsakos I Biliatis J
24/4/2024	Recurrent pregnancy loss	<ul style="list-style-type: none"> <li>• Etiologies</li> <li>• Laboratory investigation - Clinical treatment</li> <li>• Guidelines</li> </ul>	Siristatidis C Siristatidis C  Stavros S
29/4/2024	Complications of Assisted Reproduction Technologies	<ul style="list-style-type: none"> <li>• IVF drugs and gynecological cancer</li> <li>• Oocyte pick up and complications</li> <li>• Multiple pregnancies</li> <li>• Risk of congenital anomalies after IVF</li> </ul>	Siristatidis C Christoforidis N Eleftheriadis M Kanaka C