

Study program: REPRODUCTIVE BIOLOGY			
Course title: Controlled ovarian stimulation			
Teacher: Artur Bjelica, Aleksandra Trninić Pjević, Đorđe Ilić			
Course status: elective			
ECTS: 4			
Requirements: Infertility and assisted reproduction			
Course objectives Learning objective is to introduce students to principles of controlled ovarian stimulation, basic protocols and modifications.			
Learning outcomes Upon successful completion of pre-examination and examination tasks, the student will: understand procedures of ovarian stimulation (protocol selection by a gynecologist, the form of medicine application and their importance, the role of serial folliculometries); perceive principles of stopping further ovarian stimulation; understand basic complications of ovarian stimulation.			
Syllabus <i>Theoretical instruction</i> History of in vitro fertilization – egg cell from spontaneous and stimulated cycle. Terms ovarian stimulation and controlled ovarian stimulation. Principles of ovarian stimulation, medications in use, their origin and effects. Influence of medication dosage and other factors on ovarian response to stimulation. Control of LH supplementation and different protocols in ovarian stimulation. Serial folliculometries and definition of hormones in stimulation monitoring process. Estimation of application time of exogenic chorion gonatodopine in the final oocyte maturation stage and planning the follicle aspiration procedure. Complications of ovarian stimulation and the role of embryologist in complication treatment. <i>Practical instruction</i> Introduction to printed forms for ovarian stimulation and their explanation. Introduction to prerequisites for the start of the ovarian stimulation and necessary medical checks and findings. Attending the folliculometries, following the therapy reaction and adjusting the medicine dosage. Introduction to preconditions to stop ovarian stimulation and prepare a patient for follicle aspiration.			
Literature 1. Speroff L and Fritz MA. Female Infertility. In: Clinical Gynecologic Endocrinology and Infertility. 7th edition, Lipincott Williams and Wilkins 2006			
Weekly teaching load	Lectures: 2	Practical lectures: 0+1+0	
Teaching methods Lecturers, consultations, seminar – group work			
Evaluation of knowledge (maximum score 100)			
Pre-exam obligations	points	Final exam	points
Student engagement in lectures	5	Final exam	
Practical lectures		Oral exam	60
Seminars	35	