


University of Niš Faculty of Medicine	Study program: INTEGRATED ACADEMIC STUDIES OF MEDICINE <i>ACCREDITATION 2018</i>	
Course: Gynecology with obstetrics		
Course head: Prof. dr Jasmina Popović		
Course status:	Required	
Semester: IX, X	Study year: V	
ECTS: 9	Course code: M-V-39	
Course purpose:		
Acquisition, understanding, use, analysis, and evaluation of knowledge and skills in gynecology and obstetrics.		
Course outcome: (knowledge, skills, attitudes)		
Ability of a general practitioner to recognize a gynecological disease or gestational period and to refer the patient in an appropriate institution, and, if needed, perform the delivery.		
Number of classes of active teaching: 180		
Lectures: 60	Practice: 114	OFT: 6
Course content:		
<p><u>Theory</u></p> <p>Anatomy and embryology of female reproductive organs. Physiology of female reproductive organs. Female life cycles: adolescence, reproductive age, menopause, senile age. Etiology, diagnosis, and therapy. Inflammation of female genital organs. Pelveoperitonitis. Diffuse peritonitis of gynecological origin. Genital tuberculosis. Endometriosis. Benign and malignant tumors of the genital organs. Pregnancy. Physiology of pregnancy. Differential diagnostic procedures. Embryogenesis. Fetal growth and development. Fetal anomalies. Delivery and mechanisms of normal and pathological delivery. Birth canal, birth object, delivery forces. Bleeding during pregnancy and delivery. Newborn. Lactation. Normal and pathological puerperium. Abortion. Ectopic pregnancy, diagnosis and therapy. Gynecological and obstetrical operations. Marital sterility. Contraception.</p> <p><u>Practice</u></p> <p>Specific aspects of work in a gynecology examination room. Behavior and attitude of students towards the patient. History taking. General examination. Gynecological examination, inspection, palpation, use of a speculum. Practical demonstration. Anatomical structure of external genital organs, patient position during the examination, position of a gynecologist during the examination. Practice on a patient, supervised by a teaching assistant. Individual practice of bimanual examination and speculum examination. Demonstration of normal condition of internal genital organs. Preparation for minor gynecological interventions. Patient preparation (washing of external genital organs, shaving, vaginal wash, disinfection of the operation field, proper sending of operation material to the lab). Demonstration of vaginal swab sampling for bacteriological analysis, cytology, biopsy demonstration, explorative curettage demonstration. Demonstration of patient preparation for artificial abortion. Preparation of gynecologic surgeons, preparation and overview of instruments for abortion. Demonstration of cervical canal dilation and instrumental evacuation of uterine cavity contents. Demonstration of principles and techniques of hysteroscopy, HSG, insufflation, and laparoscopy. Demonstration of patient preparation for gynecologic surgery via vaginal or abdominal access. Preoperative preparation, immediate preparation, stay in the operation room (functioning in the operation room, operation demonstration). Specific aspects of work in obstetrics room and delivery room. Behavior and attitude of students towards pregnant and puerperal women. Insight into pregnancy and delivery. Examination of pregnant and puerperal women (history, preparation, external and internal gynecological examination). Delivery factors (natural delivery force, delivery route, delivery object). Demonstration of a normal delivery in the delivery room (first, second, third, fourth delivery phase). Demonstration of the delivery mechanism and pathological delivery (pelvic, transversal, gemelli, anomalies, rotations, deflexion positions). Demonstration of obstetrical operations. Preparation for obstetrical operation and performance. Demonstration of delivery under the cardiotocographic control in the delivery room. Normal and pathological CTG. Ultrasound in pregnancy and delivery (establishing anterior fetal position, fetal size, fetal death, anomalies, diseases).</p>		

3. OFT (drugi oblici nastave): Seminars	
1.	Early detection of malignancies of the female lower genital tract - vulva, vagina, PVU.
2.	Early detection of malignancies of the female upper genital tract (uterus and ovary).
3.	Pelvic inflammatory diseases
4.	Endoscopic methods used in sterility and infertility
5.	Marriage sterility (in vitro fertilization)
6.	Contraception

Recommended literature:

1. Plećaš D, Stanimirović B, Stanković A, Vasiljević M. Ginekologija i akušerstvo za studente medicine. Medicinski fakultet, Univerzitet u Beogradu, Katedra za ginekologiju i akušerstvo. Cibid 2006.
2. D. Mladenović: Ginekologija i akušerstvo, Zavod za udžbenike i nastavna sred. Beograd 2003.
3. P. Miladinović i saradnici: Praktikum iz ginekologije za studente medicine i lekare na specijalizaciji, Medicinski fakultet Niš, 1995.
4. Popović Jasmina: Praktikum za studente medicine i lekare na specijalizaciji iz ginekologije i akušerstva. „Bračna neplodnost - dijagnostički postupci" Medicinski fakultet Univerziteta u Nišu 2010.
5. Veljković M. Kontracepcija. Monografija. Niš: Serafimović; 2006.
6. Milosavljević M, Kutlešić R. Premenstrualni sindrom. Univerzitet u Nišu. Twingo Print, 2001.

Dopunska literatura:

1. D. Dinulović: Opstetricija, Službeni list SRJ, 1996.
2. P. Miladinović i sar: Urgentna stanja u ginekologiji i perinatologiji, Medicinski fakultet Niš, Punta Niš 2006.

Teaching methods:

- Interactive theoretical and practical teaching
- Independent performance of clinical skills
- Simulation Medicine Center work
- Consultations
- Seminar papers
- Small group work

Required previously passed exams:

- Internal medicine
- Surgery 1

Grade (max. 100 points)

Pre-exam obligations

- Attendance and activity at lecture and practice classes: 0 – 8 points
- Seminar papers: 0 – 2 points
- Tests: 0 – 20 points

Final exam

- Practical exam: 0 – 20 points
- Oral exam: 0 – 50 points