

Course title: GYNECOLOGY AND OBSTETRICS 2/3

ECTS credit allocation (and other scores): 5,00

Semester: spring

Level of study: ISCED-7 - second-cycle programmes (EQF-7)

Branch of science: Medical and health sciences

Language: English

Number of hours per semester: 95

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Type of classes: classes and lectures

Substantive content

CLASSES:

Classes:

Gynecologic and obstetric examination; Menstrual cycle and reproductive disorders; Non-cancerous and cancerous diseases - symptoms, diagnosis, treatment; Pregnancy, labour and puerperium - physiology and pathology; Family planning.

Seminar:

- 1./2 Neuroendocrinology. Regulation of the menstrual cycle. Semen transport. Ovum transport. Insemination. Implantation;
- 3./4. Primary and secondary ammenorrhea. Non-ovulation cycles. Polycystic Ovarian Syndrom. Hirsutism; Menstruation disorders. Abnormal uterine bleeding.
5. Menopause. Period menopause. Hormone replacement therapy. Osteoporosis;
- 6/7. Obesity. Thyroid diseases and fertility. Diagnosis of vaginitis. Diagnosis of sexually transmitted infections.
8. Family planning. Sterilization. Oral contraception. Vaginal contraception. Contraception skin patch; Family planning. Sterilization. Long-acting contraception methods.
- 9./10. Ovulation induction . Assisted reproductive techniques. Preimplantation diagnosis (PGD);
- 11./12. The development, structure and physiology of the female genital tract. Congenital anomalies of the female genital tract. Disorders of sex differentiation;
- 13./14. Uterine myomas. Endometriosis.
15. Tumour markers; Screening of female genital cancers. Colposcopy. Primary and secondary prevention of cancers of the female genital organs;
16. Precancerous lesions and cervical cancer;
17. Endometrial cancer (body of the uterus).
18. Malignant tumours of the ovary;
- 19./20. Cancer of the vulva, cancer of the vagina. Epidemiology of female genital cancers. The interpretation of epidemiological studies.

LECTURES:

1. Menstrual cycle;
2. Contraception and family-planing;
3. Multiple (multifoetal) pregnancy;
4. Sexually transmitted diseases. Pelvic inflammatory disease;
5. Endometriosis;



6. Menopause, osteoporosis, HRT;
7. Pelvic organ prolapse;
8. Stress urinary incontinence.
9. Overactive bladder .
10. Endometrial cancer;
11. Ovarian-, tubal- and peritoneal cancer;
12. Cervical cancer;
13. Vulvar and vaginal cancer;
14. Benign conditions of uterus and adnexa;
15. Benign (non-cancerous) breast conditions. Breast cancer

Learning purpose: The subject aim is to acquire necessary skills for conducting proper women's' health care during particular periods of life and become familiar with effective prevention methods and treatment of the diseases of female genital organs.

On completion of the study programme the graduate will gain:

Knowledge:

W1 - Student is familiar with women's reproductive functions and disorders, and knows their diagnostic and therapeutic management in particular: menstrual period, physiological and pathological conditions in pregnancy, labor and puerperium, inflammation and cancer of the genital organs, birth control, menopause, basic methods of diagnostics in obstetrical and gynecological treatment

Skills:

U1 - Student recognizes pathological symptoms in pregnancy (bleeding, uterine activity). U2 - Interprets the results of the obstetric examination (blood pressure, maternal and fetal heart rate) and the abnormal results of the laboratory tests in pregnancy. U3 - Interprets results of the cardiotocographic (CTG) examination . U4 - Recognizes beginning of the labour and its abnormal duration. U5 - Knows indications and contra-indications for the use of contraception methods.

Social Competencies:

K1 - Ability to establish and maintain deep respectful contact with a sick. K2 - Shall be made good by placing them in the first place a patient. K3 - Comply with medical confidentiality and patient's rights. K4 - It has its own limitations and awareness training to be able to be fixed. K5 - With dignity and respect refers to corpses and human remains. K6 - Maintains and applies the principles of academic and professional ethics and professional image, professionalism academic, professional and social life. K7 - He can inspire, be a leader and work in an interdisciplinary team especially during class type of PBL.

Basic literature:

1) Charles Beckman, Obstetrics and Gynecology 7th Edition, wyd. Lipincott.Wiliams&Wilkinson, 2015 ; 2) Shubha Sagar Trivedi, Management of High-Risk Pregnancy - A Practical Approach, 2nd edition, wyd. Jaypee Brother Medical Publishers, 2015

Supplementary literature:

1) Marlene M. Corton, Williams Obstetrics'' , 25th edition, wyd. McGraw-Hill Education / Medical, , 2018

The allocated number of ECTS points consists of:

Contact hours with an academic teacher: 97

Student's independent work: 28