

**Topics**  
**of practical studies on gynecology for the Faculty of foreign student**  
**10<sup>th</sup> term 2020-2021**

**Topic №1.** Disorders of the vulva, vagina and cervix.

**Topic № 2.** Disorders of ovaries and corpus of uterus. Endometriosis.  
Dyshormonal changes in a breast.

**Topic № 3.** Pediatric and adolescent gynecology.

**Topic № 4.** Infertility. Family planning.

**Topic № 5.** Urgent gynecology.

**Topic № 6.** Gynecological operations.

**Beginning: 8.00 – 12.15 Studies last 5,0 hours (30)**

1 Break time: 09.30-09.45

2 Break time: 11.15-11.30

**Case history.**

**Exam.**

**Head of obstetrics**

**and gynecology chair**



**Gutikova L.V.**

## **Practical skills**

1. Examination of gynecological patients: taking the history, palpation, percussion, auscultation.
2. Examinations of the breast.
3. Gynecological examination: speculum examination, bimanual pelvic examination, rectal examination, rectovaginal examination.
4. Cervical, vaginal and urethral swabs for microscopy and culture.
5. Pap test.
6. Colposcopy.
7. Cervical biopsy.
8. Culdocentesis.
9. Curettage.
10. Ultrasound in gynecological practice.
11. Removal of sutures from a postoperative wound
12. Preoperative preparations and principles of postoperative care for gynecological operations.

**Topic №1**  
**Disorders of the vulva, vagina and cervix**

1. Lichen sclerosis (leukoplakia) and genital warts: etiology, clinical signs, diagnosis, differential diagnosis, treatment. Follow-up. Prognosis.
2. Vulval intraepithelial neoplasia: etiology, clinical signs, diagnosis, management. Indications for surgical treatment. Follow-up.
3. Benign tumors of the vulva and vagina: cyst, fibroma, myoma, lipoma, haemangioma. Etiology, clinical signs, diagnosis, treatment.
4. Cervical ectropion (erosion), cervical polyps, cervical leukoplakia, nabothian follicles (retention cysts): etiology, clinical signs, diagnosis, management.
5. Colposcopy. Cervical biopsy.
6. Management of cervical disorders. Follow-up. Prognosis.
7. Etiology and classification of cervical intraepithelial neoplasia (CIN).
8. CIN: clinical signs, diagnosis, management.
9. Treatment of cervical intraepithelial neoplasia.
10. Indications for cone biopsy (large loop excision).

**Literature**

1. Bain, Catrina. Gynaecology illustrated [Текст] / Catrina Bain, Kevin Burton, C Jay McGavigan ; illustrations by Robin Callander, Ian Ramsden, 2011. - 414 p.
2. Danfort's Obstetrics and Gynecology. Seventh edition. 1994. – 1121 p.
3. Savonevich, E. L. Lectures on gynecology [Электронный ресурс] : manual for the Faculty of foreign student (in English) / Е. Л. Савоневич, Л. В. Гутикова, М. В. Кажина, 2012 on-line.
4. Lectures.

**Topic № 2**  
**Disorders of ovaries and corpus of uterus.**  
**Endometriosis. Dyshormonal changes in a breast.**

1. Ovarian tumors: etiology, pathogenesis, classification.
2. Diagnosis, clinical signs and treatment of ovarian tumors.
3. Hormone-producing ovarian tumors: clinical signs, diagnosis, management.
4. Ovarian cysts: milestones of diagnosis.
5. Endometrial hyperplasia and endometrial polyps: etiology, classification, clinical signs, diagnosis.
6. Treatment of endometrial hyperplasia. Follow-up.
7. Atypical hyperplasia and atypical endometrial polyp: etiology, clinical signs, diagnosis and treatment.
8. Leiomyoma of the uterus (fibroids): pathogenesis, classification, diagnosis, management.
9. Non-surgical treatment of leiomyoma.
10. Surgical treatment of leiomyoma.
11. Endometriosis: definition, etiology, pathogenesis, classification.
12. Clinical signs of endometriosis, diagnosis.
13. Medical and surgical treatment of endometriosis. Prognosis. Medical rehabilitation.
14. Dyshormonal changes in a breast: epidemiology, etiology, pathogenesis, classification, clinical signs. Diagnosis and methods of treatment. Prophylaxis.

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**Topic № 3**  
**Pediatric and adolescent gynecology**

1. Physiology of puberty.
2. Gynecologic examination of children and adolescents.
3. Assessment of sexual maturation.
4. Precocious puberty (accelerated sexual maturation): classification, etiology, pathogenesis, clinical signs, diagnosis and treatment.
5. Delayed sexual maturation: classification, etiology, pathogenesis, clinical signs, diagnosis and treatment.
6. Absence of sexual maturation: etiology, pathogenesis, clinical signs, diagnosis and treatment.
7. Congenital anomalies of reproductive tract: etiology, pathogenesis, classification, clinical signs, diagnosis and methods of correction.
8. Genital injuries in children: main causes, diagnosis, treatment.
9. Vulvovaginitis in children. Pelvic inflammatory diseases in adolescent.
10. Abnormal vaginal bleeding: etiology, pathogenesis, clinical signs, diagnosis and methods of correction
11. Benign tumors in children and adolescent. Management.

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## **Topic № 4**

### **Infertility. Family planning**

1. Problems and goals of reproductive medicine and family planning.
2. Demography and demographic policy.
3. Organization of medical and social psychological support to a married couple.
4. Female infertility: causes, diagnosis, methods of conservative and operative treatment.
5. Male infertility: causes, diagnosis, treatment. Seminal fluid analysis.
6. Assisted reproductive technologies: intrauterine insemination, in vitro fertilization (IVF), intracytoplasmic sperm injection.
7. Artificial pregnancy termination as a social and medical problem.
8. Methods of pregnancy termination: indications, contraindications, complications, influence on reproductive health. Medical rehabilitation.
9. Contraception: classification of methods.
10. Oral contraception. Noncontraceptive benefits of oral contraceptive use.
11. Mechanical barrier methods of contraception: indications and contraindications.
12. Intrauterine device: indications and contraindications.
13. Contraception in adolescent. Postcoital and postpartum contraception.
14. Sterilization: indications, technique.

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## **Topic № 5**

### **Urgent gynecology**

1. Urgent conditions in gynecology: ectopic pregnancy, incomplete miscarriage, rupture of ovary (ovarian apoplexy) or ovarian cyst, perforation of uterus, torsion of the ovarian cyst pedicle (axial rotation), torsion of a fibroid, degeneration of leiomyoma, tubo-ovarian abscess.
2. Ectopic pregnancy: etiology, pathogenesis, classification.
3. Clinical signs of ectopic pregnancy depending on site of implantation.
4. Diagnosis, differential diagnosis, treatment and prophylaxis of ectopic pregnancy.
5. Ovarian apoplexy: clinical signs, diagnosis, differential diagnosis, treatment.
6. Perforation of uterus. clinical signs, diagnosis, differential diagnosis, treatment.
7. Torsion of the pedicle: diagnosis, differential diagnosis, treatment.
8. Torsion of a fibroid and degeneration of a fibroid: clinical signs, diagnosis, differential diagnosis, treatment.
9. Extrusion of submucous fibroid: clinical signs, diagnosis, differential diagnosis, treatment.
10. Rupture of tubo-ovarian abscess: clinical signs, diagnosis, differential diagnosis, treatment.
11. Peritonitis in gynecological practice. Clinical signs, diagnosis, treatment.
12. Infected abortion. Anaerobic sepsis.

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## **Topic № 6**

### **Gynecological operations**

1. Preoperative preparations for gynecological operations.
2. Principles of postoperative care.
3. Complications after gynecological operations: diagnosis, treatment.
4. Operations for fibroids, prolapse, ovarian cysts: indications and contraindications, technique, complications.
5. Total and subtotal hysterectomy: indications, technique.
6. Reconstructive gynecological operations.
7. Endoscopic surgery in gynecological practice.
8. Medical rehabilitations of patients after gynecological operations.

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