

Thematic plan of lectures module iii.

Diseases of female reproductive system. Family planning.

№	Topic	No of hours
1.	Disturbances of menstrual function. Neuroendocrinological syndromes in gynecology	2
1.	Benign tumors of female reproductive organs.	2
3.	Background and premalignant diseases of female reproductive organs. Malignant neoplasms.	2
4.	Inflammatory disorders of female reproductive organs	2
5.	Infertility. Family planning.	2
	Total	10

THEMATIC PLAN OF THE practical training MODULE III

Diseases of female reproductive system. Family planning

No	Topic	No of hours
	Clinical anatomy and physiology of female reproductive organs. Methods of gynecological investigation.	4
2.	Disturbances of menstrual function. Neuroendocrine syndromes in gynecology	4
3.	Endometriosis. Gynecological diseases of children and teens. Abnormalities of female genitalia position and development.	4
4.	Gynecological aspects of mammary gland diseases. Benign diseases of female reproductive organs.	4
5.	Background and premalignant diseases of female reproductive organs. Malignant neoplasms. Trophoblastic disease.	4
6.	Inflammatory disorders of female reproductive organs	4
7.	Acute abdomen in gynecology	4
8.	Infertility. Family planning.	4
9.	History taking.	4
10.	Total modular control III	4
	Total	40

PROGRAM CONTENT MODULE III

Module III. Female reproductive organs diseases. Famile planning.

Topic 1. Clinical anatomy and physiology of female reproductive organs. Methods of gynecological investigation.

External genitalia. Vagina. Uterus and its parts. Uterus function. Ovaries and their function. Suspensory ligaments of the uterus. Blood supply and the lymphatic system. Physiological changes in the female reproductive organs at different ages. Modern knowledge about the menstrual function. Neuroendocrinologic regulation of the female reproductive system function. Role of the hormones and biologically active substances.

General and special methods of gynecological investigation: bimanual, vaginal, rectal, speculum. Peculiarities of gynecological history taking. Methods of diagnosing the functional state of the ovaries. Biopsy. Punction of the posterior fornix. Endoscopic methods of investigation. Colposcopy, hysteroscopy, cystoscopy, laparoscopy. Laboratory diagnostics.

Topic 2. Disturbances of menstrual function. Neuroendocrine syndromes in gynecology.

Classification of the menstrual function disturbances. Amenorrhea. Ovulatory and non-ovulatory dysfunctional uterine bleedings. Algodysmenorrhea. Neuroendocrine syndromes in gynecology. Modern method of treatment, the role of endoscopic methods in diagnosis and treatment.

Topic 3. Endometriosis. Gynecological diseases of children and teens. Abnormalities of female genitalia position and development.

Etiology and pathogenesis. Classification. Diagnosis. Symptoms. Modern methods of treatment. Medical rehabilitation of women with endomenriosis.

Gynecological diseases of children and teens. Peculiarities of symptomatic, diagnostics and treatment of the most widespread types of gynecological pathology of youg girls and teens. Hyperanteflexion, retrodeviation of the uterus. Treatment, prophylaxes. Development defects of the reproductive organs. Infantilism, impaired sexual development, gonadal dysgenesis.

Topic 4. Benign diseases of female reproductive organs. Gynecological aspects of mammary glands diseases

Benign diseases of female reproductive organs. Benign diseases of the ovaries: epithelial, sex cord stromal tumors, germ cell and lipid cell tumors. The concept of cysts and cystome.

Benign diseases of the uterus. Uterus fibroid. Symptoms, diagnosis and treatment.

Topic 5. Background and premalignant diseases of female reproductive organs. Malignant neoplasms. Trophoblastic disease.

Background and premalignant diseases of external female reproductive organs. Background and premalignant diseases of the cervix: erosion, polyps, ectropion, endocervicitis. Dysplastic disease of the cervix. Hyperplasia of the endometrium. Modern methods of diagnostics and treatment.

Malignant neoplasms of the external female reproductive organs. Cancer. Cervix cancer. Uterus cancer. Ovaries cancer. Cancer of the uterus tubes. Sarcoma of the uterus. Classification, symptoms, diagnosis and treatment.

Trophoblastic disease. Diagnosis and treatment. Gynecological aspects of the mammary glands diseases.

Topic 6. Inflammatory disorders of female reproductive organs

Etiology, pathogenesis, classification. Peculiarities in different age groups. Inflammatory diseases of unspecific etiology (vulvitis, vaginitis, endocervicitis, endometritis, adnexitis, pelvioperitonitis, parametritis), of specific etiology (tuberculosis). Sexually transmitted infections (trichomoniasis, gonorrhea, candidosis, viral lesions, ureaplasmosis, Chlamydia). Diagnosis, treatment and prevention of bacterial vaginosis. Management of patients with tuboovarian abscess. Features of acute and chronic inflammation diseases of the female genital organs. Indications for surgical treatment of inflammatory processes. Rehabilitation of women who have had inflammation.

Topic 7. Acute abdomen in gynecology

Ectopic pregnancy, ovarian apoplexy, ovarian tumor capsule rupture, torsion of the tumor, tuboovarian abscess, malnutrition of the fibroid node. First aid.

Traumatic injuries of the reproductive organs. Differential diagnosis of gynecological emergency conditions with acute surgical pathology (appendicitis, intestinal obstruction, cholecystitis, renal colic, perforated ulcers of the stomach). Preoperative preparation and postoperative management of gynecological patients. Anesthesia during gynecological operations. Endoscopic treatment of pathology of the uterus, infertility, fibroids, endometriosis and other gynecological pathology.

Topic 8. Infertility. Family planning.

Causes of male and female infertility. Examination of a couple with infertility in marriage. Modern principles and methods of treatment of female infertility. Hormonal treatment of infertility. Insemination by the donor sperm. In vitro fertilization and other advanced reproductive technologies. Surgical treatment.

Organization, structure and objectives of family planning services. Modern aspects of contraception. Classification. Mechanism of action and effectiveness of modern contraceptives.

Topic 9. Seeing a patient, history taking, exam on the educational history.

Topic 10. Total modular control III.

THE LIST OF PRACTICAL SKILLS FOR THE TOTAL CONTROL OF KNOWLEDGE

1. Gynecological investigation (speculum, bimanual, rectum, rectovaginal)
2. History taking, estimation of the laboratory investigations (general and biochemical blood tests, urine blood coagulation, etc.)
3. Taking material from the vagina, urethra and cervical canal.
4. Evaluate the results of colpocytological study.
5. Evaluate the results of colposcopy.
6. Evaluate the diagnostic tests of the ovaries function.
7. Evaluate the results of the cytological, histological and bacteriological investigation.
8. Evaluate results of X-ray of female genitalia.
9. Estimate results of pelvic sonography.
10. Plan the investigations of patients with various gynecological diseases.

THE LIST OF QUESTIONS FOR PREPARATION OF STUDENTS FOR THE CURRENT AND TOTAL MODULAR CONTROL

Module III. *Diseases of female reproductive system. Family planning.*

1. General and specific methods of examination of gynecological patients.
2. Bimanual, vaginal and rectal examination. Speculum examination.
3. Methods of diagnosing the functional state of the ovaries.
4. Etiology, pathogenesis and classification of the inflammatory diseases of the reproductive organs. Peculiarities of diseases at different periods of life.
5. Inflammatory diseases of external genitalia and vagina.
6. Inflammatory diseases of internal genitalia and vagina.
7. Sexually transmitted diseases (trichomoniasis, gonorrhea, ureaplasmosis, chlamydiosis).
8. Genital candidosis. Symptoms, diagnosis and treatment.
9. Genital herpes infection. Symptoms, diagnosis and treatment
10. Bacterial vaginosis. Etiology, symptoms, diagnostic and treatment.
11. Tuberculosis of female reproductive organs.
12. Management of patients with tuboovarian abscess.
13. Classification of the menstrual function disorders.
14. Amenorrhea.
15. Dysfunctional uterine bleeding. Classification. Methods of diagnostic and treatment.
16. Juvenile uterine bleeding. Etiology, symptomatic diagnosis and treatment.
17. Postmenopausal uterine bleeding. Etiology, symptomatic, diagnosis and treatment.
18. Algomenorrhea. Symptomatic, diagnosis and treatment.
19. Neuroendocrine syndromes in gynecology.
20. Modern approaches to hormonal treatment in gynecology.

21. Causes of male and female infertility. Types of female infertility.
22. Plan of investigation of infertile couple.
23. Modern principles and methods of treatment of female infertility.
24. Contraceptives. Classification, mechanism of action and effectiveness of modern contraceptives.
25. Endometriosis. Etiology, pathogenesis, classification, clinical picture, diagnosis and modern treatment methods.
26. Abnormalities of genitalia position. Treatment and prevention.
27. Shortcomings in the development of female genitals. Reconstructive surgery.
28. Background and precancerous diseases of the cervix.
29. The concept of cysts and cystoma. Classification of the ovary tumors. Symptomatic, diagnosis and treatment.
30. Uterus fibroid. Classification, symptoms and diagnosis.
31. Conservative and surgical methods of fibroid treatment. Indications for surgical treatment.
32. Cancer of vulva. Classification, clinical picture, diagnosis and treatment
33. Cancer of vagina. Classification, clinical picture, diagnosis and treatment.
34. Cervical cancer. Classification, clinical picture, diagnosis and treatment.
35. Endometrial carcinoma. Classification, clinical picture, diagnosis and treatment.
36. Uterine sarcoma. Classification, clinical picture, diagnosis and treatment.
37. Ovarian cancer. Classification, clinical picture and treatment.
38. Tubal cancer. Classification, clinical picture and treatment.
39. Trophoblastic disease. Diagnosis and treatment.
40. Ovarian apoplexy. Differential diagnosis with surgical pathology.
41. Torsion of ovarian cysts. Differential diagnosis with surgical pathology.
42. Rupture of ovarian cysts.
43. Ischemia and necrosis of fibroid nodes. Differential diagnosis with surgical pathology.
44. Tuboovarial abscess. Differential diagnosis with surgical pathology.
45. Trauma of female genitalia. Differential diagnosis with surgical pathology.

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of Obstetrics and Gynecology

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