

MINISTRY OF HEALTH OF UKRAINE

O.O. BOGOMOLETS NATIONAL MEDICAL UNIVERSITY

Department of Obstetrics and Gynaecology No.2

Guideline

for students

Academic discipline	Obstetrics and Gynaecology
Module No.	1
Semantic module No.1	“Obstetrics”
Study subject	Anatomical and physiological characteristics of the female body. Menstrual cycle.
Course	4
Faculty	Dentistry

Kyiv 2016

1. Specific goals.

To know the anatomical structure of the female genitals for determining the clinical course of physiological functions of the female body. Over the woman life the functional status of the reproductive system are subject to significant transformations which in turn is associated with ovarian hormon-producing function. True understanding of the sexual organs physiology may be obtained by studying the biological processes that occur in women with normal menstrual cycle, when all functions of the whole body are harmonically interrelated.

The student should know:

- clinical features of the anatomical structure of the vagina;
- clinical features of the anatomical structure of the uterus;
- clinical features of the anatomical structure of the fallopian tubes;
- clinical features of the anatomical structure of the ovaries;
- changes in hormonal activity in the ovaries and uterus;
- physiological parameters of the menstrual cycle and the basic mechanisms of its regulation;
- the principle of feedback.

The student should be able to:

- collect history (general, special)
- assess the anatomical and physiological structures of the female body;
- assess the menstrual cycle nature;
- determine the age-related development and functions of the reproductive system

2. Basic level.

Names of subjects	Obtained skills
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1. Anatomy	To know the structures of the central nervous system associated with reproductive systems. To use knowledge of the female reproductive organ structure.
2. Normal physiology	To display schematically level of the menstrual cycle regulation. To describe the principle of feedback.
3. Histology	To describe the histological structure of internal and external female genitalia. To identify the phase features of the menstrual cycle

Test questions.

1. The structure of internal and external female genitals
2. Functional changes depending on the menstrual cycle phase
3. Blood supply of female genitals
4. The regulatory function of the central nervous system
5. Changes in the reproductive system during pregnancy
6. Define the menstrual cycle.
7. What cyclical changes occur in the hypothalamic-pituitary system of women with normal menstrual cycle?
8. How is the menstrual cycle regulated?
9. What cyclic changes occur in ovaries and uterus in the normal menstrual cycle?
10. The mechanism of self-regulation of the menstrual cycle. Its features.
11. The principle of feedback in the regulation of the menstrual cycle. Its features.
12. Which physiological parameters is a normal menstrual cycle characterized by?
13. What gonadotrophic hormones influence ovulation?
14. What neurohumoral factors cause menstruation?