



The Syllabus is compiled by:

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The Syllaburs

**Physiotherapy (adaptive program)**

Developed in accordance with Federal State Educational Standard:

Federal State Educational Standard of higher education in the specialty 31.05.01 General medicine (Order of the Ministry of Education and Science of the Russian Federation on February 9, 2016 No. 95)

Based on the Curriculum:

31.05.01 GENERAL MEDICINE

Specialization: General Medicine

Approved by the Academic Council of Surgut State University, “ 13 ” june 2024, Record №5

The Syllabus was approved by the department

Obstetrics, gynecology and perinatology

Deputy of the department, Belotserkovtseva L.D.

<b>1. COURSE OBJECTIVES</b>	
1.1	The purpose of the discipline: the formation
1.2	of a system of universal and professional competencies for a resident studying in the specialty "Physiotherapy", in the form
1.3	of providing medical assistance in physiotherapy through diagnosis,
1.4	treatment and
1.5	prevention

<b>2. COURSE OVERVIEW</b>	
Course code (in curriculum)	B1.V.DV.02
<b>2.1</b>	<b>Assumed background knowledge:</b>
2.1.1	Chemistry
2.1.2	Psychology and pedagogy
2.1.3	Latin
2.1.4	Biology
2.1.5	Philosophy
2.1.6	Histology, embryology, cytology
2.1.7	Bioethics
2.1.8	Anatomy
2.1.9	Hominal physiology
2.1.10	Biochemistry
2.1.11	Microbiology, virology
2.1.12	Pharmacology
2.1.13	Internal Diseases Propaedeutics, X-Ray Diagnostics
2.1.14	General surgery, radiation diagnosis
2.1.15	Immunology
2.1.16	Pathologic anatomy
2.1.17	Clinical pathologic anatomy
2.1.18	Pathophysiology
2.1.19	Obstetrics and gynecology
<b>2.2</b>	<b>Post requisites:</b>
2.2.1	Pediatric gynecology
2.2.2	Perinatology
2.2.3	Industrial practice of obstetric and gynecological profile
2.2.4	Obstetrics

<b>3. COMPETENCES UPON COMPLETION OF THE COURSE (MODULE)</b>	
<b>OC-1:</b>	<b>ability for abstract thinking, analysis, synthesis</b>
<b>PC-12:</b>	<b>readiness to manage physiological pregnancy, deliver birth</b>

**PC-14: readiness to determine the need to use natural healing factors, drug, non-drug therapy and other methods for patients in need of medical rehabilitation and sanatorium-resort treatment**

**By the end of the course students must:**

<b>3.1 Know</b>	
3.1.1	- the relationship of the functional systems of the body and the levels of their regulation
3.1.2	
3.1.3	- physiology of pregnancy, childbirth and the postpartum period;
3.1.4	- principles of the occurrence of pathological processes, mechanisms of their development and clinical manifestations in
3.1.5	obstetrics and gynecology.
3.1.6	- mechanisms of the therapeutic and rehabilitative effect of natural therapeutic factors, medicinal,
3.1.7	non-drug therapy and other methods in the treatment of diseases in obstetrics and gynecology;
3.1.8	
3.1.9	- fundamentals of physiotherapy and physical therapy in obstetrics and gynecology;
3.1.10	- indications and contraindications to physiotherapy and spa treatment;
3.1.11	- rules and requirements for the equipment of the physiotherapy department (office), operation and
3.1.12	safety in the organization of the physiotherapy department (office);
3.1.13	-
3.1.14	principles of evaluation of indicators of general and functional methods of examination of patients referred for physiotherapy.
<b>3.2 Be able to:</b>	
3.2.1	- independently organize mental work (thinking) and work with information (synthesis);
3.2.2	
3.2.3	- identify the most common complications of pregnancy, childbirth and the postpartum period;
3.2.4	- to provide basic diagnostic and therapeutic manipulations to pregnant women, women in labor and maternity hospitals;
3.2.5	
3.2.6	- apply natural therapeutic factors, medicinal and non-medicinal therapy and other methods, taking into account indications and contraindications, prescribing conditions and effectiveness control;
3.2.7	- to determine the appropriate methods of exposure to physical factors in certain diseases, to choose the optimal physiotherapy complex for the patient;
3.2.8	- to assess the course of the disease and the effectiveness of the influence of physical factors, to assess possible complications of the disease and complications associated with the effects of physical factors;
3.2.9	- to issue the necessary medical documentation.

#### 4. STRUCTURE AND CONTENTS

Class Code	Part and topic /class type/	Term / Ac. year	Academic hours	Competences	Literature	Interactive
	<b>Section 1. Physiotherapy in the medical rehabilitation system. Fundamentals of the therapeutic use of physical factors.</b>					
1.1	Physiotherapy in the medical rehabilitation system. Fundamentals of the therapeutic use of physical factors in obstetrics and gynecology. /Lec/	10	2	OC-1 PC-12 PC-14	L1.1L2.1 E1 E2 E3 E4 E5 E6	
1.2	Types of physiotherapy treatment in obstetrics and gynecology. /Lec/	10	2	OC-1 PC-12 PC-14	L1.1L2.1 E1 E2 E3 E4 E5 E6	
1.3	Electrotherapy in obstetrics and gynecology. /Lec/	10	2	OC-1 PC-12 PC-14	L1.1L2.1 E1 E2 E3 E4 E5 E6	

1.4	Phototherapy in obstetrics and gynecology. /Lec/	10	2	OC-1 PC-12 PC-14	L1.1L2.1 E1 E2 E3 E4 E5 E6	
1.5	Treatment with mechanical influences in obstetrics and gynecology. /Lec/	10	2	OC-1 PC-12 PC-14	L1.1L2.1 E1 E2 E3 E4 E5 E6	
1.6	Aerosol therapy. Electroaerosol therapy. Speleotherapy. Halotherapy. /Lec/	10	2	OC-1 PC-12 PC-14	L1.1L2.1 E1 E2 E3 E4 E5 E6	
1.7	Hydrotherapy. Heat and cold treatment in obstetrics and gynecology. /Lec/	10	2	OC-1 PC-12 PC-14	L1.1L2.1 E1 E2 E3 E4 E5 E6	
1.8	Combination and combination of physical factors and medical treatment in obstetrics and gynecology /Lec/	10	2	OC-1 PC-12 PC-14	L1.1L2.1 E1 E2 E3 E4 E5 E6	
1.9	Physiotherapy in the medical rehabilitation system. Fundamentals of the therapeutic use of physical factors in obstetrics and gynecology. /Pr/	10	4	OC-1 PC-12 PC-14	L1.1L2.1 E1 E2 E3 E4 E5 E6	
1.10	Physiotherapy in the medical rehabilitation system. Fundamentals of the therapeutic use of physical factors in obstetrics and gynecology. /Ss/	10	2,5	OC-1 PC-12 PC-14	L1.1L2.1 E1 E2 E3 E4 E5 E6	
1.11	Types of physiotherapy treatment in obstetrics and gynecology. /Pr/	10	4	OC-1 PC-12 PC-14	L1.1L2.1 E1 E2 E3 E4 E5 E6	
1.12	Types of physiotherapy treatment in obstetrics and gynecology. /Ss/	10	4	OC-1 PC-12 PC-14	L1.1L2.1 E1 E2 E3 E4 E5 E6	
1.13	Electrotherapy in obstetrics and gynecology. /Pr/	10	4	OC-1 PC-12 PC-14	L1.1L2.1 E1 E2 E3 E4 E5 E6	
1.14	Electrotherapy in obstetrics and gynecology. /Ss/	10	2,5	OC-1 PC-12 PC-14	L1.1L2.1 E1 E2 E3 E4 E5 E6	
1.15	Phototherapy in obstetrics and gynecology. /Pr/	10	4	OC-1 PC-12 PC-14	L1.1L2.1 E1 E2 E3 E4 E5 E6	
1.16	Phototherapy in obstetrics and gynecology. /Ss/	10	2,5	OC-1 PC-12 PC-14	L1.1L2.1 E1 E2 E3 E4 E5 E6	
1.17	Treatment with mechanical influences in obstetrics and gynecology. /Pr/	10	4	OC-1 PC-12 PC-14	L1.1L2.1 E1 E2 E3 E4 E5 E6	
1.18	Treatment with mechanical influences in obstetrics and gynecology. /Ss/	10	4	OC-1 PC-12 PC-14	L1.1L2.1 E1 E2 E3 E4 E5 E6	
1.19	Aerosol therapy. Electroaerosol therapy. Speleotherapy. Halotherapy. /Pr/	10	4	OC-1 PC-12 PC-14	L1.1L2.1 E1 E2 E3 E4 E5 E6	
1.20	Aerosol therapy. Electroaerosol therapy. Speleotherapy. Halotherapy. /Ss/	10	2,5	OC-1 PC-12 PC-14	L1.1L2.1 E1 E2 E3 E4 E5 E6	
1.21	Hydrotherapy. Heat and cold treatment in obstetrics and gynecology. /Pr/	10	4	OC-1 PC-12 PC-14	L1.1L2.1 E1 E2 E3 E4 E5 E6	
1.22	Hydrotherapy. Heat and cold treatment in obstetrics and gynecology. /Ss/	10	2	OC-1 PC-12 PC-14	L1.1L2.1 E1 E2 E3 E4 E5 E6	
1.23	Combination and combination of physical factors and medical treatment in obstetrics and gynecology /Pr/	10	4	OC-1 PC-12 PC-14	L1.1L2.1 E1 E2 E3 E4 E5 E6	

1.24	Combination and combination of physical factors and medical treatment in obstetrics and gynecology /Ss/	10	4	OC-1 PC-12 PC-14	L1.1L2.1 E1 E2 E3 E4 E5 E6	
1.25	<b>Control work /Control /</b>	10	0	OC-1 PC-12 PC-14	L1.1L2.1 E1 E2 E3 E4 E5 E6	
1.26	<b>Credit</b>	10	0	OC-1 PC-12 PC-14	L1.1L2.1 E1 E2 E3 E4 E5 E6	

## 5. ASSESSMENT TOOLS

### 5.1. Tests and tasks

Presented separately document

### 5.2. Topics for written papers

Presented separately document

## 6. COURSE (MODULE) RESOURCES

### 6.1. Recommended Literature

#### 6.1.1. Core

	Authors	Title	Publish., year	Quantity
L1.1	Radzinskiy V.E., Fuks A.M., Gagaev Ch.G.	Obstetrics: book	Moscow: GEOTAR-Media, 2018, electronic resource	2

#### 6.1.2. Supplementary

	Authors	Title	Publish., year	Quantity
L2.1	Radzinskiy V.E., Fuks A.M., Фукса А.М.)	Gynecology: book	Moscow: GEOTAR-Media, 2020, electronic resource	2

### 6.2. Internet resources

E1	Student Consultant <a href="http://www.studmedlib.ru">http://www.studmedlib.ru</a>
E2	VINITI <a href="http://www.viniti.ru/">http://www.viniti.ru/</a>
E3	Medline <a href="http://www.medline.ru/">http://www.medline.ru/</a>
E4	PubMedCentral <a href="http://www.ncbi.nlm.nih.gov/pubmed/">http://www.ncbi.nlm.nih.gov/pubmed/</a>
E5	Clinical guidelines. Obstetrics and gynecology <a href="https://prof.ncagp.ru/index.php?_t8=85">https://prof.ncagp.ru/index.php?_t8=85</a>
E6	Russian State Library <a href="https://www.rsl.ru/en">https://www.rsl.ru/en</a>

#### 6.3.1 Software

6.3.1.1	Microsoft Windows operating system, a Microsoft Office application package, Internet access (Wi-Fi).
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#### 6.3.2 Information Referral systems

6.3.2.1	Guarantor-information-legal portal. <a href="https://www.garant.ru/">https://www.garant.ru/</a> ConsultantPlus - reliable legal support. <a href="https://www.consultant.ru/">https://www.consultant.ru/</a>
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## 7. MATERIAL AND TECHNICAL SUPPORT OF DISCIPLINE (MODULE)

7.1	The classroom for conducting lecture-type classes is equipped
7.2	Multimedia projector, screen, laptop, stationary chalkboard, standard educational furniture: tables, chairs
7.3	Practical classes, group and individual consultations, ongoing monitoring are held in the educational auditorium of Khanty- Mansiysk Autonomous Okrug-Yugra "SOKTSOMiD" Address: Surgut, Proletarsky Avenue, 15.
7.4	The premises of the Khanty-Mansi Autonomous Okrug-Ugra "SOKTSMiD" are equipped with the following equipment:
7.5	Portable projector; laptop; Tables; chairs; phantoms and functional interactive simulators:
7.6	Model of the female pelvis.
7.7	Childbirth model.
7.8	Dolls for teaching the birth process.
7.9	Obstetric stethoscope.

7.10	Tazomer.
7.11	Auditoriums of the simulation and training accreditation center of MI SurSU, equipped with phantom and simulation equipment, laboratory instruments and consumables in sufficient quantities.
7.12	Pregnant woman torso trainer with fetus;
7.13	Obstetric simulator with a model of the female pelvis;
7.14	Childbirth simulator with wireless monitoring module;
7.15	Simulator for clinical examination of the female pelvic organs;
7.16	Tazomer;
7.17	Obstetric stethoscope;
7.18	Tape measure;
7.19	Vaginal specula;
7.20	Library of score sheets
7.21	Tools and consumables in quantities that allow students to master the skills required by their professional activities.
7.22	Simulator for examination of mammary glands.