

ЛД-16 ИИ

FEDERAL STATE BUDGETARY EDUCATIONAL INSTITUTION HIGHER  
EDUCATION  
"NORTH-OSSETIAN STATE MEDICAL ACADEMY"  
MINISTRY OF HEALTH OF THE RUSSIAN FEDERATION



APPROVED

Rector

*[Signature]* O.B. Remizov

«30» March 2022 г.

WORKING PROGRAM OF PRODUCTION PRACTICE

PRACTICE FOR OBTAINING PRIMARY PROFESSIONAL SKILLS AND  
EXPERIENCE OF PROFESSIONAL ACTIVITIES (DOCTOR ASSISTANT)

main professional educational program of higher education  
Specialist programs in the specialty 31.05.01 General Medicine,  
approved on March 30, 2022.

Specialty 31.05.01 General medicine (specialty)  
Form of instruction direct  
The term for the development **Basic Vocational Education Programme**  
for Higher Education 6 years

Department of Obstetrics and Gynecology № 1

Department of Internal Diseases №2

Department of Surgical Diseases № 2

The programme of practice is based on:

1. The Federal State Educational Standard for Higher Education in the specialty 31.05.01 "General Medicine", approved by the Ministry of Education and Science of the Russian Federation on February 09, 2016 № 95
  2. The curriculum in the specialty 31.05.01 "General medicine",  
ЛД-16-05-19  
ЛД-16-06-20, approved by the Academic Council of the Federal State Budgetary Educational Establishment of Higher Education NOSMA of the Ministry of Health of Russia on March 22, 2022. Minutes № 4.
  3. The practice program was approved at a meeting of the Department of Obstetrics and Gynecology №1 March 10, 2022. Protocol №8.
- The practical program was approved at a meeting of the Department of Internal Medicine № 2 March 18, 2022. Protocol №8.
- The practice program was approved at a meeting of the Department of Surgical Diseases №2 March 18, 2022. Protocol №8.
4. The practical program was approved at a meeting of the Central Committee for Management and Control of the Federal State Budgetary Educational Institution of Higher Education of the Ministry of Health of Russia of March 22, 2022., protocol №. 4
  5. The practical program was approved at a meeting of the Central Center for Management and Control of the Federal State Budgetary Educational Institution of Higher Education NOSMA of the Ministry of Health of Russia of **March 30, 2022., protocol №. 6.**

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## **Practice Program Content**

1. an indication of the type of practice, method and form of its implementation;
2. a list of planned learning outcomes during the internship, correlated with the planned results of the development of the educational program;
3. an indication of the place of practice in the structure of the educational program;
4. an indication of the amount of practice in credit units and its duration in weeks or in academic or astronomical hours;
5. content of practice;
6. indication of reporting forms for practice;
7. fund assessment tools for conducting intermediate certification of students in practice;
8. the list of educational literature and resources of the Internet, necessary for the practice;
9. a list of information technologies used in the practice, including a list of software and information help systems (if necessary);
10. description of the material and technical base necessary for the practice.

### 1. Indication of the type of practice, method and form (s) of its implementation

Type of practice - clinical practice.

The method of conducting the practice is stationary.

Form of conduct – continuous.

As an assistant to the doctor, the student acquires skills in the departments of therapy, surgery and the maternity hospital.

### 2. The list of planned learning outcomes during the internship, correlated with the planned results of the development of the educational program

3.

№	Competency Number / Index	Content of the practice (or its section)	Mastering results		
			know	be able to	skills
1	2	3	4	5	6
1	GPC-6	Willingness to keep medical records	Maintaining a standard accounting and reporting medical documentation in medical organizations, the implementation of the examination of disability. rules for issuing a dispensary card for a pregnant woman, history of childbirth, industry standards for the volume of examination and medical care in obstetrics and gynecology, medical and labor expertise in obstetric practice	Keep medical records of various kinds in inpatient facilities fill in the main sections of the dispensary card of the pregnant woman, the history of childbirth, complaints, data on the medical history, medical history, physical examination of the patient, diary entries, epicrisis; identify risk groups for complications during pregnancy, childbirth and the postpartum period	Methods of medical records the algorithm for the design of the dispensary card of a pregnant woman, the history of childbirth, to draw up an academic history of the disease or childbirth in accordance with the plan for writing a medical history or childbirth
3	GPC-8		classification and main characteristics of drugs, pharmacodynamics and pharmacokinetics, indications and contraindications for the use of drugs, side effects;	prescribe medications for certain diseases and pathological processes, based on the characteristics of their pharmacodynamics and pharmacokinetics;	the appointment of drugs in the treatment, rehabilitation and prevention of various diseases and pathological processes

			<p>-clinical and pharmacological characteristics of the main groups of drugs and the rational choice of specific drugs in the treatment of the main pathological syndromes of diseases and emergency conditions</p>	<p>- justify the need for clinical and immunological examination of the patient, analyze the effect of drugs on the totality of their pharmacological properties and the possibility of their use for therapeutic treatment</p>	
4	GPC-9	<p>the ability to assess morphological, physiological conditions and pathological processes in the human body to solve professional problems</p>	<p>functional systems of the body, their regulation and self-regulation when exposed to the external environment is normal and in pathological processes;</p> <p>assessment of morphological, physiological conditions and pathological processes in the human body, signs of manifestation of environmental factors on the human body</p>	<p>substantiate the nature of the pathological process and its clinical manifestations, the principles of pathogenetic therapy of the most common diseases;</p> <p>assess the morphological and physiological criteria of external influences in the provision of medical care to victims</p>	<p>assessment of the health status of various age and gender groups;</p> <p>methods for establishing the mechanisms of damage or the cause of painful changes in cases of external influences on a person</p>
5	PC-5	<p>willingness to collect and analyze patient complaints, his medical history, examination results, laboratory, instrumental, pathological, anatomical and other studies in order to recognize the state or establish a fact presence or absence of disease</p>	<p>clinical picture, features occurring in a typical form in the adult population;</p> <p>-modern methods of clinical, laboratory and instrumental diagnosis of therapeutic diseases in the adult population; general principles and features of diagnosis.</p> <p>physiological changes in the body of a pregnant woman; fertilization, development of the fetus and placenta; options for the</p>	<p>palpate the main bone landmarks on a person, outline the topographic contours of organs and major vascular and nerve trunks;</p> <p>-analyze the results of x-ray examination;</p> <p>-interpret the results of the most common methods of functional diagnostics used to identify pathological processes in organs and systems;</p> <p>- to collect an anamnesis, conduct a physical examination of the</p>	<p>general clinical examination methods;</p> <p>-interpretation of the results of laboratory, instrumental diagnostic methods</p> <p>skills in writing medical records for outpatients and inpatients, maintaining medical records; emergency care in obstetrics.</p>

			<p>position of the fetus; the structure and size of the bone pelvis, the anatomy and topography of the female genital organs; the structure and dimensions of the head of the full-term fetus, the position of the fetal head in relation to the planes of the small pelvis; pathophysiology of the development of critical conditions in obstetrics.</p>	<p>patient (examination, palpation, auscultation, measurement of blood pressure, determination of heart rate, respiratory rate); send for laboratory and instrumental examination and consultation with specialists.</p> <p>to collect a general and special history, conduct a general and special obstetric examination; establish the gestational age, determine the estimated weight of the fetus, the position of the fetus in the uterus, the nature of the presentation; identify symptoms of critical conditions in obstetrics.</p>	
6	PC-6	<p>the ability to determine the patient's main pathological conditions, symptoms, disease syndromes, nosological forms in accordance with the International Statistical Classification of Diseases and Health Problems, X revision;</p>	<p>concepts of etiology, pathogenesis, morphogenesis, pathomorphism of the disease, principles of classification of diseases; basic concepts of general nosology;</p> <p>international Statistical Classification of Diseases and Health Problems - ICD-X.</p> <p>The main symptoms and syndromes of diseases in obstetrics and their combinations in various nosological forms; modern classifications of obstetric pathology; diagnostic criteria</p>	<p>interpret the results of the examination, make a preliminary diagnosis, outline the scope of additional studies to clarify the diagnosis, formulate a clinical diagnosis; to develop a treatment plan taking into account the course of the disease, select and prescribe drug therapy, use non-drug treatment methods, and carry out rehabilitation measures;</p> <p>identify the main symptoms and syndromes of the clinical picture of diseases and obstetric</p>	<p>an algorithm for making a preliminary diagnosis, followed by referring them to an additional examination and to specialist doctors; detailed clinical presentation algorithm;</p> <p>assessment of symptoms and syndromes of the clinical picture of the underlying diseases and obstetric pathology when working with the patient; algorithm for the preliminary and clinical diagnoses of the main obstetric pathology</p>

			for obstetric pathology; rules for registration of preliminary and clinical diagnoses of obstetric pathology.	pathology in solving situational problems, analysis of clinical situations; formulate a preliminary diagnosis and clinical diagnosis for the most common diseases and obstetric pathology during the analysis of clinical situations	when working with a patient
7	PC-8	the ability to determine the management tactics of patients with various nosological forms;	<p>bases of the legislation of the Russian Federation on the protection of public health, basic regulatory and technical documents;</p> <p>introduction of standard accounting and reporting medical documentation in medical organizations;</p> <p>- methods of treatment and indications for their use, contraindications to their purpose, especially their implementation;</p> <p>management tactics for pregnant women with various nosological forms of obstetric pathology.</p>	<p>to formulate indications for the chosen method of treatment taking into account etiotropic and pathogenetic agents, substantiate pharmacotherapy in a particular patient with major pathological syndromes and emergency conditions, determine the route of administration, regimen and dose of drugs, evaluate the effectiveness and safety of the treatment;</p> <p>diagnose the clinical picture and identify the features of the course of pregnancy and possible complications against the background of the most common diseases that occur in a typical form in different age groups; using methods of direct examination of pregnant women. modern methods of clinical, laboratory, instrumental examination of women (including endoscopic,</p>	<p>proper maintenance of medical records;</p> <p>-basic medical diagnostic and therapeutic measures for the provision of first aid and medical care in emergency and life-threatening conditions;</p> <p>pregnancy management algorithm for its normal and complicated course.</p>

				radiological methods, ultrasound diagnostics).	
<b>8</b>	<b>PC-9</b>	willingness to manage and treat patients with various nosological forms on an outpatient basis and in an inpatient setting;	<p>-etiology, pathogenesis, diagnosis, treatment and prevention of the most common diseases;</p> <p>-principles and methods of first aid in emergency conditions;</p> <p>-clinical and pharmacological characteristics of the main groups of drugs and the rational choice of specific drugs in the treatment of the main pathological syndromes of diseases and emergency conditions.</p> <p>management and treatment of patients with various nosological forms on an outpatient basis and inpatient settings</p>	<p>interpret the results of the examination, make a preliminary diagnosis, outline the volume of additional studies to clarify the diagnosis; formulate a clinical diagnosis; develop a treatment plan taking into account the course of the disease, select and prescribe drug therapy, use non-drug treatment methods</p> <p>prescribe etiological, pathogenetic and syndromic therapy for inflammatory and non-inflammatory diseases of the female genital organs; prescribe drug therapy during pregnancy (hypertensive disorders, renal failure, miscarriage, fetal hypoxia, fetal growth retardation); choose a method of contraception determine indications for planned hospitalization of patients</p>	<p>the appointment of drugs in the treatment, rehabilitation and prevention of various diseases and pathological processes;</p> <p>-Methods of maintaining medical records and records;</p> <p>algorithm for the implementation of basic medical diagnostic and therapeutic measures for the provision of first medical aid in emergency and life-threatening conditions;</p> <p>basic principles of management and treatment of patients with various nosological forms of obstetric pathology in outpatient and day hospital settings</p>



### 3. Indication of the place of practice in the structure of the educational program Указание места практики в структуре образовательной программы

The practice of obtaining professional skills and experience in professional activities, the assistant physician refers to the base part of Block 2.

FSES HE in the specialty "General Medicine".

### 4. Indication of the volume of practice in credits and its duration in weeks or in academic or astronomical hours

№	Type of work	Total credits	Total weeks / hours	Semesters
				8 semester
				Hours
1	2	3	4	5
1	<b>Contact work of students with teacher (total), including:</b>		144	144
2	<b>Student Independent Work (SIW)</b>		72	72
3	Type of intermediate certification	offset (O)		
		exam (E)		
4	<b>TOTAL: General labor input</b>	hours		
		OEL	6	216

### 5. Content of practice

№	№ semester	The name of the practice section	Total hours	
1	2	3	4	
1	8	Preparatory phase, including safety training	2	
2	8	Work in the emergency room	6	
3	8	Work in the department of pregnancy pathology	26	
4	8	Work in the delivery room	26	
5	8	Work in the postpartum ward	6	
6	8	Work in the ward of newborns	6	
7	8	Preparatory phase, including safety training	2	
8	8	Work in the front desk	29	
9	8	Work in the department of therapeutic profile: - pulmonology -cardiology gastroenterology -nephrology -hematology	35	
0	1	8	Preparation of a practice report. Certification.	6

1	1	8	<p>Mastering by students of methods for the prevention of surgical diseases, as well as the prevention of complications in the clinic.</p> <p>Mastering by students of diagnostic methods in the examination of patients with surgical pathology.</p> <p>Familiarization of students with the organization of the operating room dressing room.</p> <p>Mastering by students of methods of conservative and surgical treatment, methods of preventing complications during treatment, as well as rehabilitation of patients with surgical diseases.</p>	6
2	1	8	Work in dressing rooms.	6
3	1	8	Assistance in operations	6
4	1	8	Acute appendicitis	6
5	1	8	Acute cholecystitis	6
6	1	8	Acute intestinal obstruction	6
7	1	8	Acute pancreatitis	6
8	1	8	Gastrointestinal bleeding	6
9	1	8	Perforated gastric ulcer and 12 p. To.	6
0	2	8	Hernia	6
1	2	8	Acute peritonitis	6
2	2	8	Purulent-inflammatory diseases	6
<b>TOTAL:</b>				<b>216</b>

## 6. Indication of reporting forms in practice

Production Practice Diary  
 Student Report on Manufacturing Practices  
 Report of the head of production practice

## 7. The fund of assessment tools for intermediate certification of students in practice

№	Competency list	Semester №	Indicators assessment	Assessment criteria	Grading scale	Name of the fund of valuation funds
1	2	3	4	5	6	7
1	GPC-6 GPC -8 GPC -9 PC-5 PC -6	8	see standard for assessing the quality of education,	see standard for assessing the quality of education,	see standard for assessing the quality of education,	Examination tickets for the exam, Control tasks

	PC -8 PC -9		approved. By order of the Federal State Budgetary Educational Establishment of Higher Education in SOGMA of the Ministry of Health of Russia dated 10.07.2018, No. 264 / o	approved. By order of the Federal State Budgetary Educational Establishment of Higher Education in SOGMA of the Ministry of Health of Russia dated 10.07.2018, No. 264 / o	approved. By order of the Federal State Budgetary Educational Establishment of Higher Education in SOGMA of the Ministry of Health of Russia dated 10.07.2018, No. 264 / o	
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### 8. The list of educational literature and resources of the Internet, necessary for practice

№	Name	The author (s)	Year, place of publication	Number of copies		Name in the electronic library system / Link in the electronic library system
				in library	at the department	
1	2	3	4	7	8	9
<b>Main literature</b>						
1	Obstetrics: a tutorial	Aylamazyan E.K.	SPb.: SpetsLit, 2007, 2010	142 8	10	-
2	Obstetrics: a tutorial	G.M. Savelyeva et al.	M: GEOTAR-Media, 2008,2011, 2015	8 57	7	«Student Consultant» <a href="http://www.studmedlib.ru/book/ISBN9785970432952.html">http://www.studmedlib.ru/book/ISBN9785970432952.html</a>
3	Obstetrics. Clinical lectures: textbook. allowance ed.	O.V. Makarov	M: GEOTAR Media, 2007	7	7	“Student Consultant” <a href="http://www.studmedlib.ru/book/ISBN9785970405550.html">http://www.studmedlib.ru/book/ISBN9785970405550.html</a>
4	Gynecology: a textbook	G.M. Savelyeva, V.G. Breusenko	M: GEOTAR Media, 2004, 2005, 2007, 2009,	58 20 96	5	“Student Consultant” <a href="http://www.studmedlib.ru/book/ISBN9785970422540.html">http://www.studmedlib.ru/book/ISBN9785970422540.html</a>

			2011, 2012, 2014	10 33 52		
5	Internal Medicine: A Textbook	V.I. Makolkin, S.I. Ovcharenko, V.A. Sulimov	M: GEOTAR Media, 2013.	99	-	“Student Consultant” <a href="http://www.studmedlib.ru/en/book/ISBN9785970425763.html">http://www.studmedlib.ru/en/book/ISBN9785970425763.html</a>
6	2 t internal diseases: a textbook. T.1.	V.S. Moiseev.	M: GEOTAR Media, 2012.	51	-	-
7	2 t internal diseases: a textbook. T.2	V.S. Moiseev.	M: GEOTAR Media, 2012.	51	-	-
8	Internal Medicine: a textbook. in 2 volumes	V.S. Moiseev, A.I. Martynov, N.A. Mukhin.	M: GEOTAR Media,, 2013.	-	-	“Student Consultant” <a href="http://www.studmedlib.ru/ru/book/ISBN9785970425794.html">http://www.studmedlib.ru/ru/book/ISBN9785970425794.html</a>
9	Internal Medicine: a textbook. in 2 volumes	V.S. Moiseev, A.I. Martynov, N.A. Mukhin.	M: GEOTAR Media, 2013.	-	-	“Student Consultant” <a href="http://www.studmedlib.ru/ru/book/ISBN9785970425800.html">http://www.studmedlib.ru/ru/book/ISBN9785970425800.html</a>
0	1 General surgery.	Struchkov V.I.	M., 1980	200	1	“Student Consultant” <a href="http://www.studmedlib.ru/ru/book/ISBN9785970425794.html">http://www.studmedlib.ru/ru/book/ISBN9785970425794.html</a>
1	1 Textbook	Kuzin M.I.	M., 1995	200	1	
2	1 Surgical diseases. Textbook for students.	Gosischev V.K.	Budapest, 1981	100	1	“Student Consultant” <a href="http://www.studmedlib.ru/ru/book/ISBN9785970425794.html">http://www.studmedlib.ru/ru/book/ISBN9785970425794.html</a>

3	1	Purulent Surgery, Ed. I. Littman	Toskin K.D., Zhebrovsky V.V.	M., 1990	50	1	
4	1	Hernia of the abdominal wall	Milonov O.B., Toskin K.D., Zhebrovsky V.V.	M., 1990	20	1	“Student Consultant” <a href="http://www.studmedlib.ru/ru/book/ISBN9785970425794.html">http://www.studmedlib.ru/ru/book/ISBN9785970425794.html</a>

#### ADDITIONAL LITERATURE

	1	Guide to practical exercises in gynecology: a training manual	Yu.V. Tsvelev	St. Petersburg: Tome, 2003	0	2	4	-
	2	Guide to practical exercises in obstetrics and perinatology: textbook. allowance	Yu.V. Tsvelev	St. Petersburg: Tome, 2004	1	2	-	-
	3	Obstetrics: A National Guide	E.K. Aylamazyan	M.: GEOTAR-Media, 2007	5	1	1	-
	4	Gynecology: national leadership	V.I. Kulakov	M.: GEOTAR-Media, 2007	7	1	3	-
	5	Guide to practical exercises on obstetrics: textbook. allowance	V.E. Radzinsky	M.: GEOTAR-Media, 2007	99	1	5	“Student Consultant” <a href="http://www.studmedlib.ru/book/ISBN9785970404416.html">http://www.studmedlib.ru/book/ISBN9785970404416.html</a>
	6	Guide to practical exercises in gynecology: textbook. allowance	V.E. Radzinsky	M.: GEOTAR-Media, 2007	06	2	0	“Student Consultant” <a href="http://www.studmedlib.ru/book/ISBN9785970404423.html">http://www.studmedlib.ru/book/ISBN9785970404423.html</a>
	7	Pathology of the respiratory system.	V.S. Paukova.	M.: Litterra, 2013.	-	-	-	“Student Consultant” <a href="http://www.studmedlib.ru/ru/book/ISBN9785423500764.html">http://www.studmedlib.ru/ru/book/ISBN9785423500764.html</a>
	8	Clinical pharmacology and	V.I. Petrov.	M.: GEOTAR-	-	-	-	“Student Consultant” <a href="http://www.studmedlib.ru/ru/book/">http://www.studmedlib.ru/ru/book/</a>

	pharmacotherapy in real medical practice: master class: textbook		Media, 2014.			<a href="http://www.studmedlib.ru/ru/doc/ISBN9785970430743.html">ISBN9785970430743.html</a>
9.	Methodological developments in cardiology in the course of faculty therapy.	J. D. Kobalava, S.V. Moiseev, V.S. Moiseev; under. ed. V.S. Moiseev.	M. : GEOTAR-Media, 2014.	-	-	“Student Consultant” <a href="http://www.studmedlib.ru/ru/doc/ISBN9785970427729-0007.html">http://www.studmedlib.ru/ru/doc/ISBN9785970427729-0007.html</a>
10.	Fundamentals of Internal Medicine	O.O. Basieva, I. M. Belikova E.A. Shavlokhova Z.T. Tsabolova	Vladikavkaz, 2012		4	-
11.	Methodological developments in gastroenterology in the course of faculty therapy.	O.O. Basieva, F.Yu. Kharebova E.A. Shavlokhova Z.T. Tsabolova	Vladikavkaz, 2012		3	-
12.	Methodological developments in cardiology in the course of faculty therapy.	O.O. Basieva, F.Yu. Kharebova I. M. Belikova	Vladikavkaz, 2012		4	-
13.	Methodological developments in nephrology in the course of faculty therapy.	O.O. Basieva, F.Yu. Habava I. M. Belikova Z.T. Tsabolova Z.K. Basieva	Vladikavkaz, 2012		4	-

**9. The list of information technologies used in the practice, including a list of software and information reference systems (if necessary)**

1. "Student Advisor" <http://www.studmedlib.ru/ru/doc/ISBN9785970427729-0007.html>

**10. Description of the material and technical base necessary for the practice**

<b>№</b>	<b>Name of equipment</b>	<b>Number</b>	<b>Technical condition</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
<b>Специальное оборудование</b>			
	14. A computer	4	Satisfactory condition
	15. A laptop	2	Satisfactory condition
	16. Projector	1	Satisfactory condition
	17. Kocher clamp	2	Satisfactory condition
	18. Mikulich's clamp	1	Satisfactory condition
	19. Volkman Spoon	5	Satisfactory condition
	20. Farabef Hooks	1	Satisfactory condition
	21. Liver mirror	1	Satisfactory condition
	22. Seagal Hooks	1	Satisfactory condition
	23. Alice Clips	1	Satisfactory condition
	24. Needle holder	2	Satisfactory condition
	25. Scalpel	3	Satisfactory condition
	26. Copy Technique	2	Satisfactory condition
<b>Phantoms, Models</b>			
	27. "Promt" simulation;	1	Satisfactory condition
	28. Mama "Natali"	2	Satisfactory condition
	29. Injection Demonstration Training Model		Satisfactory condition
	30. Suture leg		Satisfactory condition
	31. Super SEM skeleton, on a 5-roller rack		Satisfactory condition
	32. Training demo model - femoral-fibular anastomosis simulator		Satisfactory condition
	33. Training model for carotid artery andacterectomy		Satisfactory condition
	34. Training CPR model with electronic		Satisfactory



	control device		condition
	35. Basic laparoscopic training		Satisfactory condition
	36. training apparatus		Satisfactory condition
	37. Training kit criminal.ran and injuries		Satisfactory condition
	38. Anastomosis bowel training kit		Satisfactory condition
	39. Training set of skin models demonstration of local anesthesia techniques		Satisfactory condition
	40. Overlay Demo Tutorial	1	Satisfactory condition
	41. seams	1	Satisfactory condition