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**Federal State Autonomous Educational Institution of Higher Education
PEOPLES' FRIENDSHIP UNIVERSITY OF RUSSIA
RUDN University**

Institute of Medicine

educational division (faculty/institute/academy) as higher education programme developer

INTERNSHIP SYLLABUS

Practice in the Obstetric and Gynecological Field: Obstetrician Assistant

internship title

productive

internship type

Recommended by the Didactic Council for the Education Field of:

31.05.01 General Medicine

field of studies / speciality code and title

The student's internship is implemented within the professional education programme of higher education:

General Medicine

higher education programme profile/specialisation title

2024

1. INTERNSHIP GOAL(s)

The goal of the Internship "Practice in the Obstetric and Gynecological Field: Obstetrician Assistant" is to consolidate and deepen the theoretical knowledge of the student, to acquire practical skills, to form competencies that make up the content of the professional activity of an assistant to an obstetriciangynecologist

2. REQUIREMENTS FOR LEARNING OUTCOMES

The internship implementation "Practice in the Obstetric and Gynecological Field: Obstetrician Assistant" is aimed at the development of the following competences (competences in part): PC-1.1; PC-1.2; PC-1.3; PC-1.4; PC-1.5; PC-1.6; PC-2.1; PC-2.2; PC-2.3; PC-2.4; PC-2.5; PC-2.6; PC-2.7; PC-3.1; PC-3.2; PC-3.3; PC-3.4; PC-3.5; PC-3.6; PC-5.1; PC-5.2; PC-5.3; PC-5.4; PC-5.5; PC-5.6; PC-5.7; PC-5.8; PC-5.9; PC-5.10; PC-5.11.

Table 2.1. List of competences that students acquire during the internship

Competence code	Competence descriptor	Competence formation indicators (within this course)
PC 1	Able to provide medical care to the patient in urgent or emergency conditions	PC-1.1. Able to assess the condition of a patient requiring emergency or emergency medical care
		PC-1.2. Able to recognize conditions arising from sudden acute illnesses, exacerbation of chronic diseases without obvious signs of a threat to the patient's life and requiring emergency medical care
		PC-1.3. Able to provide emergency medical care to patients with sudden acute diseases, conditions, exacerbation of chronic diseases without obvious signs of a threat to the patient's life
		PC-1.4. Able to recognize conditions that pose a threat to the patient's life, including conditions of clinical death (stopping the vital functions of the human body (blood circulation and / or respiration), requiring emergency medical care
		PC-1.5. Able to provide emergency medical care to patients in conditions that pose a threat to the patient's life, including clinical death (stopping the vital functions of the human body (blood circulation and/or respiration)
		PC-1.6. Able to use medicines and medical devices in the provision of medical care in emergency or urgent forms
PC 2	Capable of examining the patient in order to establish a diagnosis	PC-2.1. Possesses the skills of collecting complaints, anamnesis of life and disease of the patient, as well as conducting a complete physical examination of the patient (examination, palpation, percussion, auscultation)
		PC-2.2. Able to formulate a preliminary diagnosis and draw up a plan for laboratory and instrumental examinations of the patient
		PC-2.3. Able to refer the patient for laboratory examination if there are medical indications in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care, taking into account the guidelines of medical care
		PC-2.4. Able to refer the patient for an instrumental examination if there are medical indications in accordance with the current procedures for the provision of medical care, clinical

		<p>recommendations (treatment protocols) on the provision of medical care, taking into account the guidelines of medical care</p> <p>PC-2.5. Able to refer the patient for a consultation with specialists if there are medical indications in accordance with the current procedures for the provision of medical care, clinical guidelines (treatment protocols) on the provision of medical care, taking into account the guidelines of medical care</p> <p>PC-2.6. Able to refer a patient for specialized medical care in an inpatient setting or in a day hospital if there are medical indications in accordance with the current procedures for the provision of medical care, clinical guidelines (treatment protocols) on the provision of medical care, taking into account the guidelines of medical care</p> <p>PC-2.7. Able to make a differential diagnosis with other diseases/conditions, including emergencies, as well as establish a diagnosis taking into account the current international statistical classification of diseases and related health problems (ICD)</p>
PC 3	Capable of prescribing treatment and monitoring its efficacy and safety	<p>PC-3.1. Able to develop a treatment plan for a disease or condition, taking into account the diagnosis, age and clinical presentation in accordance with the current procedures for the provision of medical care, clinical guidelines (treatment protocols) on the provision of medical care, taking into account the guidelines of medical care</p> <p>PC-3.2. medical devices and medical diet, taking into account the diagnosis, age and clinical picture of the disease and in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care, taking into account the guidelines of medical care</p> <p>PC-3.3. Able to prescribe non-drug treatment, taking into account the diagnosis, patient age and clinical picture of the disease in accordance with the current procedures for the provision of medical care, clinical guidelines (treatment protocols) on the provision of medical care, taking into account the guidelines of medical care</p> <p>PC-3.4. Able to assess the effectiveness and safety of the use of medicines, medical devices, clinical diet and other methods of treatment</p> <p>PC-3.5. Able to provide palliative care in cooperation with medical specialists and other medical professionals</p> <p>PC-3.6. Able to organize personalized treatment of the patient, including pregnant women, elderly and senile patients, evaluate the effectiveness and safety of treatment</p>
PC 5	Capable of carrying out and monitoring the	<p>PC-5.1. Able to organize and conduct medical examinations taking into account age, state of health, profession in accordance with current regulatory legal acts and other documents</p>

effectiveness of measures to prevent and promote a healthy lifestyle	PC-5.2. Able to organize and control the immunoprophylaxis of infectious diseases in the adult population in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care, taking into account the guidelines of medical care
and sanitary and hygienic education of the population	PC-5.3. Able to carry out clinical examination of the adult population for the purpose of early detection of chronic non-communicable diseases and the main risk factors for their development in accordance with the current regulatory legal acts and other documents
	PC-5.4. Able to conduct dispensary observation of patients with identified chronic non-transmitted diseases
	PC-5.5. Able to prescribe preventive measures to patients taking into account risk factors in accordance with the current procedures for the provision of medical care, clinical guidelines (treatment protocols) on the provision of medical care, taking into account the standards of medical care
	PC-5.6. Capable of monitoring compliance with preventive measures
	PC-5.7. Able to determine medical indications for the introduction of restrictive measures (quarantine) and indications for referral to a specialist doctor in case of infectious (parasitic) diseases
	PC-5.8. Able to issue and send to the territorial body of the Federal Service for Supervision of Consumer Rights Protection and Human Welfare an emergency notification in case of detection of an infectious or occupational disease
	PC-5.9. Able to carry out anti-epidemic measures in the event of a focus of infection, including quarantine measures in case of detection of especially dangerous (quarantine) infectious diseases
	PC-5.10. Able to form healthy lifestyle programs, including programs to reduce alcohol and tobacco consumption, prevent and combat the non-medical use of narcotic drugs and psychotropic substances
	PC-5.11. Able to evaluate the effectiveness of preventive work with patients

3. INTERNSHIP IN HIGHER EDUCATION PROGRAMME STRUCTURE

The internship refers to the core/variable/elective* component of (B2) block of the higher educational programme curriculum.

*Underline whatever applicable. The core component includes all introductory field internships, the variable component includes all advanced field internships, except for research and pre-graduate types of the internship. The elective module includes all research and pre-graduation types of the internship (if any).

Within the higher education programme students also master other disciplines (modules) and / or internships that contribute to the achievement of the expected learning outcomes as results of the internship.

Table 3.1. The list of the higher education programme components that contribute to the achievement of the expected learning outcomes as the internship results.

Competence code	Competence descriptor	Previous courses/modules, internships*	Subsequent courses/modules, internships*
PC 2	Capable of examining the patient in order to establish a diagnosis	Pathophysiology, clinical pathophysiology; Radiation diagnostics; General surgery; Dermato-venereology; Neurology, medical genetics, neurosurgery; Otorhinolaryngology; Ophthalmology; Faculty Therapy; Faculty Surgery; Occupational diseases; hospital therapy;	Maxillofacial surgery; reproductive health
		Anesthesiology, resuscitation, intensive care; Hospital surgery, pediatric surgery; Endocrinology; Oncology, radiation therapy; Traumatology, orthopedics; Pediatrics; polyclinic therapy; Dentistry; Current issues of neonatology; Current issues of neonatology; Fundamentals of Childhood Nutrition Practice Practice in obstetrics and gynecology: assistant gynecologist; Physician Assistant: Physician Assistant; Practice of obstetrics and gynecology: assistant obstetrician; General practice: pediatrician's assistant General practice: outpatient physician's assistant	
PC-3	Capable of prescribing treatment and monitoring its effectiveness and safety	Otorhinolaryngology; Faculty Surgery; Occupational diseases; hospital therapy; Endocrinology; polyclinic therapy; Hospital surgery, pediatric surgery; Oncology, radiation therapy; Traumatology, orthopedics; Pediatrics; Current issues of neonatology; Current issues of neonatology; Fundamentals of childhood nutrition Practice Practice of a surgical profile: assistant surgeon; Practice in obstetrics and gynecology: assistant gynecologist; Physician Assistant: Physician Assistant; Practice of obstetrics and gynecology : assistant obstetrician; General practice: pediatrician's assistant Practice of general medical profile: assistant doctor of an outpatient clinic	Outpatient cardiology

PC-5	Capable of conducting and monitoring the effectiveness of measures to prevent and promote a healthy lifestyle and sanitary and hygienic education of the population	Psychology and pedagogy; Propaedeutics of internal diseases; Polyclinic therapy; Hospital surgery, pediatric surgery; Pediatrics; Immunology; Allergology Practice Surgical practice: surgeon's assistant Obstetrics and gynecology practice: gynecologist's assistant Obstetrics and gynecology practice: obstetrician's assistant General practice: pediatrician's assistant General practice: outpatient clinic's assistant	Evidence-based medicine; reproductive health
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*To be filled in according with the competence matrix of the higher education programme.

4. INTERNSHIP WORKLOAD

The total workload of the internship "Practice in the Obstetric and Gynecological Field: Obstetrician Assistant" is 3 credit units (108 academic hours)

5. INTERNSHIP CONTENTS

*Table 5.1. Internship contents**

Modules	Contents (topics, types of practical activities)	Workload, academic hours
Module 1 Basis of obstetric care organization	Topic 1.1 Safety instruction. The safety of the work of medical personnel in the provision of assistance. Topic 1.2 Structure and organization of work of an obstetric hospital	6
Module 2 Working as an assistant to obstetrician	Topic 2.1. Examinations of pregnant women, the formulation of a clinical diagnosis and its justification Topic 2.2. Studying the etiology, pathogenesis, clinic, diagnosis, treatment and prevention of major obstetric diseases Topic 2.3. The ability to diagnose gynecological diseases in their diverse manifestations, determine the choice of the method of their treatment and prevention	84
Module 3	Test	9
Module 4	Practical report	9
	TOTAL	108

* The contents of internship through modules and types of practical activities shall be FULLY reflected in the student's internship report.

6. INTERNSHIP EQUIPMENT AND TECHNOLOGY SUPPORT REQUIREMENTS

The infrastructure and technical support necessary for the internship implementation include:

laboratories/ specially equipped classrooms/ polygons/ measuring and computing complexes/ vehicles/ industrial equipment and devices/ household premises that comply with current sanitary and fire safety standards.

The SAFETY REQUIREMENTS at the enterprise, workplace (including the department of RUDN University) and during the work with certain production/laboratory equipment incorporate/include the following (to be specified)....

7. INTERNSHIP LOCATION AND TIMELINE

The internship can be carried out at the structural divisions of RUDN University (at Moscowbased organisations, as well as those located outside Moscow.

The internship at an external organisation (outside RUDN University) is legally arranged on the grounds of an appropriate agreement, which specifies the terms, place and conditions for an internship implementation at the organisation.

The period of the internship, as a rule, corresponds to the period indicated in the training calendar of the higher education programme. However, the period of the internship can be rescheduled upon the agreement with the Department of Educational Policy and the Department for the Organization of Internship and Employment of RUDN students.

8. RESOURCES RECOMMENDED FOR INTERNSHIP

Main readings:

1. Genecology. Textbook, by V.E. Radzinskiy and A. Fuks. Moscow, edited by MEDIAGEOTAR, 2020, 896 pp
2. Obstetrics / ed. By V.E. Radzinskiy, A.M. Fuks. Ch. G. Gagaev - M.: GEOTAR- Media, 2019. — 880 pp.

Additional readings:

1. Benirschke K. The Umbilical Cord. — 2004. — P. 10.
2. Budin W.C. et al. Knowledge and skills of the Lamaze certified childbirth educator: results of a job task analysis // The Journal of Perinatal Education. — 2014. — Vol. 23, N 2. — P. 65–78.
3. Cordero Y. et al. Exercise is Associated with a Reduction in Gestational Diabetes Mellitus //Med Sci Sports Exerc. — 2014
4. Cunningham F.G., MdLeveno S.L., Bloom C.Y., Spong J.S., Dashe B.L., Hoffman B.M.,Casey J.S. Sheffield Williams Obstetrics. — 24st edition, 2014.
5. Curl M., Lothian J.A. Evidence-Based Maternity Care: Can New Dogs Learn Old Tricks? //The Journal of Perinatal Education. — 2013. — Vol. 22, N 4. —P. 234-240.
6. Dean S.V. et al. Preconception care: nutritional risks and interventions // Reprod Health. — 2014. — Vol. 11, Suppl. 3. — P. 63.
7. Delotte J. et al. Pregnant woman and road safety: a numerical approach. Application to arestrained third trimester pregnant woman in frontal impact // J. Gynecol Obstet Biol Reprod. — Paris, 2007. — Vol. 36. — №6. — P. 577-581.

8. Essentials of anatomy and physiology / Valerie C. Scanlon, Tina Sanders. — 5th ed. Copyright © 2007 by F. A. Davis Company. — P. 604.
9. Faye-Petersen O.M., Heller D.S., Joshi V.V. Handbook of Placental Pathology. — 2nd ed. (2006). — Taylor & Francis.
10. Gabbe S.G. Obstetrics normal and problem pregnancies. — Philadelphia: Elsevier / Saunders, 2012.
11. George A. et al. Periodontal treatment during pregnancy and birth outcomes: a meta-analysis of randomized trials: // International Journal of Evidence-Based Healthcare. — 2011. — Vol. 9, N2. — P. 122–147.
12. Hodgetts V. et al. Effectiveness of folic acid supplementation in pregnancy on reducing the risk of small-for-gestational age neonates: a population study, systematic review and meta-analysis // BJOG. — 2014.
13. Kaplan C.G. Color Atlas of Gross Placental Pathology. — 2nd ed. — Springer Science+Business Media. — 2007.
14. Nakajima Y., Yamaji K., Ohashi K. Fetal heart rate and uterine contraction during automobile driving // J. Obstet. Gynaecol. Res. — 2004. — Vol. 30, N 1. — P. 15– 19.
15. National Collaborating Centre for Women’s and Children’s Health (Great Britain), National Institute for Health and Clinical Excellence (Great Britain). Antenatal care: routine care for the healthy pregnant woman. — London: RCOG Press, 2008.
16. Obstetric Evidence Based Guidelines Ed by Vincenzo Berghella 2007 Informa Healthcare. — P. 235.
17. Obstetrics illustrated / Kevin P. Hanretty, Churchill Livingstone, Elsevier Inc., 6th. — 2003. —P. 437.
18. Obstetrics: normal and problem pregnancies / [edited by] S.G. Gabbe, J.R. Niebyl, J.L. Simpson; associate editors, Henry Galan... [et al.]. — 5th ed. (2007), Churchill Livingstone, Elsevier Inc. — P. 1299.
19. O’Grady J.P., Gimovsky M.L. Operative Obstetrics / edited by L.A. Bayer Zwirello, K. Giordano. — 2nd ed. — Cambridge University Press, 2008.
20. Pregnancy, childbirth, postpartum and newborn care: a guide for essential practice // World Health Organization. — 2003. — P. 180.
21. Protocols for high-risk pregnancies / [edited by] J.T. Queenan, J.C. Hobbins, C.Y.
22. Riordan J., Wambach K. Breastfeeding and human lactation. Sudbury. — Mass Jones and BartlettPublishers, 2010. — 4th ed.
23. Williams Obstetrics — McGraw-Hill Companies / [edited by] F. Gary Cunningham...[et al.]. —22nd ed. — 2005.
24. Wilson R.D. et al. Prenatal screening, diagnosis, and pregnancy management of fetal neural tubedefects // J Obstet Gynaecol Can. — 2014. — Vol. 36, N 10. — P. 927–939.
25. *OTHERS BOOKS/SOURCES OF INFORMATION IN ENGLISH*

Resources of the information and telecommunications network "Internet":

1.
 - Electronic library system of RUDN University.
 - Educational Portal of RUDN University: <http://web-local.rudn.ru>.
 - Media bureau StatusPraesens <http://praesens.ru/>
 - TUIS RUDN University: <http://esystem.pfur.ru/enrol/index.php?id=10378>
2. Data bases and browsers:

- electronic fund of legal and normative-technical documentation: <http://docs.cntd.ru/>
- Yandex browser: <https://www.yandex.ru/>
- Google browser: <https://www.google.ru/>
- SCOPUS <http://www.elsevier.com/locate/scopus/>

The training toolkit and guidelines for a student to do an internship, keep an internship diary and write an internship report:*

1. Safety regulations to do the internship (safety awareness briefing).
2. Machinery and principles of operation of technological production equipment used by students during their internship; process flow charts, regulations, etc. (if necessary).
3. Guidelines for keeping an internship diary and writing an internship report.

*The training toolkit and guidelines for the internship are placed on the internship page in the university telecommunication training and information system under the set procedure.

8. ASSESSMENT TOOLKIT AND GRADING SYSTEM* FOR EVALUATION OF STUDENTS' COMPETENCES LEVEL AS INTERNSHIP RESULTS

The assessment toolkit and the grading system* to evaluate the level of competences (PC-1.1; PC-1.2; PC-1.3; PC-1.4; PC-1.5; PC-1.6; PC-2.1; PC-2.2; PC-2.3; PC-2.4; PC-2.5; PC-2.6; PC-2.7; PC-3.1; PC-3.2; PC-3.3; PC-3.4; PC-3.5; PC-3.6; PC-5.1; PC-5.2; PC-5.3; PC-5.4; PC-5.5; PC-5.6; PC-5.7; PC-5.8; PC-5.9; PC-5.10; PC-5.11) formation as the internship results are specified in the Appendix to the internship syllabus.

* The assessment toolkit and the grading system are formed on the basis of the requirements of the relevant local normative act of RUDN University (regulations / order).

DEVELOPERS:

DEVELOPERS:

**MD, PhD, associate
Professor of the Department**

position, educational department



signature

Konnor R.

name and surname.

**MD, PhD,
associate
Professor of
Department**

position, educational department

Lebedeva M.G. the

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HEAD OF EDUCATIONAL DEPARTMENT:

**Of Obstetrics and Gynecology Radzinsky. V.E.
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