Документ подписан простой электронной подписью Информация о владельце: ФИО: Ястребов Олег Алекс Federal State Autonomous Educational Institution of Higher Education Должность: Ректор PEOPLES' FRIENDSHIP UNIVERSITY OF RUSSIA named after Дата подписания: 01.06.2024 12:52:49 Patrice Lumumba Уникальный программный ключ: са953a0120d891083f939673078ef1a989dae18a RUDN University

Institute of Medicine

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

COURSE SYLLABUS

Reproductive Health

course title

Recommended by the Didactic Council for the Education Field of:

31.05.01 General Medicine

field of studies / speciality code and title

The course instruction is implemented within the professional education programme of higher education:

General Medicine

higher education programme profile/specialisation title

2023-2024

1. COURSE GOAL(s)

The goal of the course "Reproductive Health" is to equip students with knowledge of human body and the pathological conditions that affect the reproductive health of women from puberty to menopause.

2. REQUIREMENTS FOR LEARNING OUTCOMES

Mastering the course (module) "Reproductive Health" is aimed at the development of the following competences /competences in part: GPC-2, GPC-4, GPC-5, GPC-7, PC-2, PC-3, PC-5.

Competence code	Competence descriptor	Competence formation indicators (within this course)	
		GPC-2.1. Being able to analyse the awareness of the population of a healthy lifestyle and medical literacy.	
GPC-2	GPC-2. Being able to monitor the effectiveness of preventive measures, healthy lifestyle formation and sanitary and hygienic education of the population	GPC-2.2. Being able to develop a plan of organizational and methodical measures aimed at increasing the awareness of the population of a healthy lifestyle, its literacy concerning disease prevention issues.	
		GPC-2.3. Being able to prepare an oral presentation or a printed text which promote a healthy lifestyle and increase the population's literacy concerning disease prevention issues.	
GPC-4	Being able to use medical devices provided for by the procedure for medical care,	GPC-4.1. Being able to use medical devices in accordance with the current procedures for the provision of medical care, clinical guidelines (treatment protocols) on the provision of medical care, care taking into account the medical care standards.	
010-4	and conduct patient examinations in order to determine a diagnosis	GPC-4.2. Being able to assess the effectiveness and safety of medical devices.	
		GPC-4.3. Mastering the technique of performing typical medical procedures using medical devices provided for by the procedures for medical care provision.	

Table 2.1. List of competences that students acquire through the course study

Competence	Commetence descriptor	Competence formation indicators
code	Competence descriptor	(within this course)

GPC-5	Being able to assess morpho- functional, physiological conditions and pathological processes in the human body to solve professional tasks	GPC-5.1. Mastering the algorithm of clinical, laboratory and functional diagnosis when dealing with professional tasks.
GPC-7	Being able to prescribe treatment and monitor its efficacy and safety	GPC-7.1. Mastering skills in the methods of general clinical examination, interpretation of laboratory results, instrumental diagnostic methods.GPC-7.2. Being aware of the algorithm for makinga preliminary diagnosis with the subsequent referralof
PC-2	Being able to examine a patient in order to determine	the patient to the relevant medical specialist. PC-2.1. Mastering the skills to collect complaints, anamnesis of the patient's life and disease, as wellas conduct a complete physical examination of the patient (examination, palpation, percussion, auscultation).
	a diagnosis	PC-2.2. Being able to make a preliminary diagnosis and make up a plan of laboratory and instrumental examinations of a patient
		PC-2.3. Being able to refer a patient to a laboratory examination in case there are medical indications in accordance with the current

Competence code	Competence descriptor	Competence formation indicators (within this course)
		procedures for the provision of medical care, clinical guidelines (treatment protocols) on the provision of medical care taking into account the medical care standards.
		PC-2.4. Being able to refer a patient to an instrumental examination in case 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 standards of medical care.
		PC-2.5. Being able to refer a patient to consult with a medical specialist if there is a medical indication 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-2.6. Being able to refer a patient to be provided with specialized medical care in an inpatient setting or in a day hospital in case 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 standards of medical care.
		PC-2.7. Being able to carry out differential diagnosis with other diseases/conditions, including the urgent ones, as well as to make a diagnosis taking into account the current international statistical classification of diseases and problems related to health (ICD).
PC-3	Being able to prescribe treatment and monitor its efficacy and safety	PC-3.1. Being able to develop a treatment plan for a disease or condition taking into account the diagnosis, age and clinical picture 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	Being able to carry out preventive measures and measures to promote a healthy lifestyle and sanitary and hygiene education among population and monitor their effectiveness	PC-5.1. Being able to organize and conduct medical examinations taking into account age,health status, profession in accordance withapplicable legislative acts and other documents.
Competence code	Competence descriptor	Competence formation indicators (within this course)

	PC-5.3. Being able to carry out medicalexamination of the adult population aimed atearly detection of chronic noncommunicablediseases and the main risk factors for their development in accordance with the current legislative acts and other documents.
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3.COURSE IN HIGHER EDUCATION PROGRAMME STRUCTURE

The course refers to the core/<u>variable</u>/elective* component of (B1) block of the higher educational programme curriculum.

* - Underline whatever applicable.

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

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

Competence	Competence	Previous courses/modules*	Subsequent
code	descriptor		courses/modules*
GPC-2	GPC-2. Being able to monitor the effectiveness of preventive measures, healthylifestyle formation and sanitary and hygienic education of the population	Pharmacology, Clinical Pharmacology, Hospital therapy, Endocrinology, Polyclinic therapy, Anesthesiology, Resuscitation, intensive care, Urology, Obstetrics and Gynecology,Evidence- based Medicine, General Surgery, Faculty Surgery; Oncology,Radiation Therapy	

GPC-4 a p th a p e c d	GPC-4 Being able to use medicaldevices provided for by the procedure for medical care, and conduct patient examinations in order to determine a diagnosis	Pharmacology, Clinical Pharmacology, Hospital therapy, Endocrinology, Polyclinic therapy, Anesthesiology, Resuscitation, intensive care, Urology, Obstetrics and Gynecology,Evidence- based Medicine, General Surgery, Faculty Surgery; Oncology,Radiation Therapy	
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GPC-7 GPC-7 Being able to prescribe treatment and monitor its efficacy and safety Pharmacology, Hospital therapy, Endocrinology, Polyclinic therapy, Anesthesiology, Resuscitation, intensive care, Urology, Obstetrics and Gynecology,Evidence- based Medicine, General Surgery, Faculty Surgery; Oncology,Radiation Therapy	
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PC-2	Being able to examine a patient in order to determine a diagnosis	Topographic anatomy and Operative surgery, Pathological anatomy, Propaedeutics of internal diseases, Radiation diagnostics, Faculty Therapy, Hospital Therapy, Hospital Surgery, Anesthesiology, Resuscitation, Intensive Care, Faculty Surgery, Urology, Hospital Surgery, Oncology, Radiation Therapy, Obstetrics and Gynecology, Evidence-based medicine; Medical Rehabilitation, Clinical Pharmacology, Outpatient therapy, Traumatology and orthopedics	
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PC-3	Being able to prescribe treatment and monitor its efficacy and safety	Topographic anatomy and Operative surgery, Pathological anatomy, Propaedeutics of internal diseases, Radiation diagnostics, Faculty Therapy, Hospital Therapy, Hospital Surgery, Anesthesiology, Resuscitation, Intensive Care, Faculty Surgery, Urology, Hospital Surgery, Oncology, Radiation Therapy, Obstetrics and Gynecology, Evidence-based medicine; Medical Rehabilitation, Clinical Pharmacology, Outpatient therapy, Traumatology and orthopedics	
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PC-5	Being able to carry out preventive measures and measures to promote a healthy lifestyle and sanitary and hygiene education among population and monitor their effectiveness	Topographic anatomy and Operative surgery, Pathological anatomy, Propaedeutics of internal diseases, Radiation diagnostics, Faculty Therapy, Hospital Therapy, Hospital Surgery, Anesthesiology, General Surgery, Anesthesiology, Resuscitation, Intensive Care, Faculty Surgery, Urology, Hospital Surgery, Oncology, Radiation Therapy, Obstetrics and Gynecology, Evidence-based medicine; Medical Rehabilitation, Clinical Pharmacology, Outpatient therapy, Traumatology and orthopedics
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* To be filled in according to the competence matrix of the higher education programme

4. COURSE WORKLOAD AND ACADEMIC ACTIVITIES

The total workload of the course <u>"Reproductive Health"</u> is 2 credits (72 academic hours).

*Table 4.1. Types of academic activities during the periods of higher education programme mastering (<u>full-time training)</u>**

Type of academic activities		Total academic hours	Semesters/training modules
Contact academic hours			12
including:			
Lectures (LC)			
Lab work (LW)			
Seminars (workshops/tutorials) (S)		32	32
Self-studies		40	40
Evaluation and assessment (exam/passing/failing grade)			
Course workload	academic hours	72	72
	credits	2	2

* To be filled in regarding the higher education programme correspondence training mode.

5. COURSE CONTENTS

Course module title	Course module contents (topics)	Academic activities types
Module 1 Urgent conditions in gynecology: "Acute stomach".Sepsis.	Urgent conditions in gynecology. The conceptof "acute stomach". Perforation of the uterus. Disturbed ectopic pregnancy. Ovarianapoplexy. Twist the legs of the ovarian tumor. Violation of nutrition of the myomatous node. Rupture of the wall of the purulent focus of thepelvic organs. Pelvioperitonitis. Peritonitis Sepsis: etiology, pathogenesis, clinical picture, diagnosis, treatment, prevention.	S
Module 2 Methods of birth control in the modern world. Abortion is dangerous and safe. Post- abortion	Family planning. tasks and methods.Abortion: dangerous and safe.Classification, indications, and methods.Medical abortion scheme. Methods of late-term termination of pregnancy. Pre-gravidartraining.Classification of methods ofcontraception.Emergency contraception.Infertile marriage: classification,diagnosis,methods of overcoming.Assistedreproductivetechnologies.	S
Module 3 Peri – and postmenopausal disorders	Pathology of the perimenopausal period. Early, medium-term and late manifestations of menopausal syndrome. The STRAW+10 scale. A window of therapeutic opportunities. Features of menopausal hormone therapy: classification, regimens, indications, contraindications.	S

Module 4 Benign diseases of the mammary glands. Classification, clinic of various forms of DMC, diagnosis, treatment. Prevention of cancer. Screening	 Benign breast dysplasia: definition, etiology, pathogenesis, risk factors, classification, clinical anddiagnostic criteria, treatment, prevention. Key risk factors, etiological factors, and cancer prevention measures. Pathogenesis, stages of endometrial, cervical, ovarian, breast cancer, early and late clinical symptoms of endometrial, cervical, ovarian, and breast cancer; diagnostic methods, metastasis pathways. 	S
Course module title	Course module contents (topics)	Academic activities types
methods of examination.		
Module 5 Pelvic pain. Differential diagnosis of gynecological and extragenitaldiseases associated with pelvic pain syndrome.	Chronic pelvic pain syndrome. Differential diagnosis. Endometriosis. Definition of the concept, etiology,pathogenesis, classification, features of the clinical picture, conservative treatment, indications for surgical treatment.	S

* - to be filled in only for **<u>full</u>**-time training: *LC* - *lectures; LW* - *lab work; S* - *seminars.*

6. CLASSROOM EQUIPMENT AND TECHNOLOGY SUPPORT REQUIREMENTS

 Table 6.1. Classroom equipment and technology support requirements

Type of academic activities	Classroom equipment	Specialised educational / laboratory equipment, software, and materials for course study (if necessary)
Lecture	A lecture hall for lecture-type classes, equipped with a set of specialised furniture; board (screen) and technical means of multimedia presentations.	
Lab work	A classroom for laboratory work, individual consultations, current and mid-term assessment; equipped with a set of specialised furniture and machinery.	List of specialised laboratory equipment, machinery, stands, etc.

Seminar	A classroom for conducting seminars, group and individual consultations, current and mid-term assessment; equipped with a set of specialised furniture and technical means for multimedia presentations.	X-ray kit, gynecological simulator 3B Scientific 1005723, model for self- examination of the breast, 3 separate mammary glands based on 3B Scientific 1000344.
Computer Lab	A classroom for conducting classes, group and individual consultations, current and mid-term assessment, equipped with personal computers (in the amount of_pcs), a board (screen) and technical means of multimedia presentations.	List of specialised software installed on computers for mastering the discipline
Self-studies	A classroom for independent work of students (can be used for seminars and consultations), equipped with a set of specialised furniture and computers with access to the electronic information and educational environment.	

* The premises for students' self-studies are subject to MANDATORY mention

7. RESOURCES RECOMMENDED FOR COURSE STUDY

Main readings:

1. Gynecology: A textbook for universities / Edited by V. E. Radzinsky and A.M. Fuchs, Moscow: GEOTAR-Media, 2019, 1104 p. ISBN 978-5-9704-4249-4.

2. Gynecology. Guide to practical exercises: A study guide / Edited by V. Ye.

Radzinsky, 3rd ed., reprint. Moscow: GEOTAR-Media, 2013, 552 p. ISBN 978-59704-2407-0.

Additional readings:

3. Gynecology. National Guidelines: A Short edition / Edited by G. M. Savelyeva,

G. T. Sukhykh, and I. B. Manukhin, Moscow: GEOTAR-Media, 2017, 704 p. ISBN 978-5-9704-4142-8.

4. A barren marriage. Versions and contraversions. Ed. by V. E. Radzinsky, Moscow: GEOTARMedia, 2019, 404 p. ISBN 978-5-9704-5037-6.

5. Perineology. Esthetic gynecology / V. E. Radzinsky, M. R. Orazov, L. R. Toktar [et al.]; edited by V. E. Radzinsky. - Moscow: StatusPraesens, 2020. - 413 p.: ISBN 9785-907218-12-3.

6. Women's consultation. Manual / edited by V. E. Radzinsky — - 4th ed., reprint and add. Moscow: GEOTAR-Media Publ., 2021, 576 p

7. Midwifery. National Guidelines: A Short edition / Edited by E. K. Aylamazyan,

V. N. Serov, and V. E. Radzinsky, Moscow: GEOTAR-Media, 2015, 608 p.ISBN 978-5-97043215-0.

- Gynecology. National guidelines / Edited by G. M. Savelyeva, G. T. Sukhikh, and V. N. Savelyeva, Serova, I. B. Manukhina, and V. E. Radzinsky, Moscow: GEOTAR-Media, 2017, 1048 p. ISBN 9785-9704-4152-7.
- 9. Obstetrics department. National guidelines / Edited by G. M. Savelyeva, G. T. Sukhikh, and V. N. Savelyeva.

Serova, V. E. Radzinsky, Moscow: GEOTAR-Media, 2015, 1080 p. ISBN 978-5-9704-3365-2.

10. Tumours and tumour-like formations of the ovaries : An educational and methodical manual /

A. S. Gasparov [et al.]. - Moscow: RUDN Publishing House, 2015. - 42 p.: ill. - ISBN 978-5-209-06463-3.

11. Pathogenesis and diagnosis of endometrioid disease: A textbook / Radzinsky Viktor Evseevich [et al.].-Moscow : RUDN Publishing House, 2012. - 64 p. - ISBN 978-5-209-04391-1.

- Reproductive Health : A Textbook / Viktor E. Radzinsky, Yeltsovstrelkov Vyacheslav Ivanovich; Edited by V. E. Radzinsky, Moscow: RUDN Publishing House, 2011, 727 p.: ill.
 - ISBN 978-5-209-3496-4: 450.00.
- 13. The cervix, vagina, and vulva. Physiology, pathology, colposcopy, aesthetic correction | Ed. Rogovskoi S. I., Lipovoy E. V.-Moscow: Mediabyuro Status Presents, 2016, 832 p.

14.Emergency care in gynecology: An educational and methodical manual / A. S. Gasparov [et al.].-Moscow : RUDN Publishing House, 2015. - 64 p.: ill. - ISBN 978-5-209-06464-0.

15. Family Planning in the XXI century: An Educational and methodical guide / Radzinsky V. E., Pustotina O. A.-Moscow: GEOTAR-Media, 2015. - 256 p. ISBN 978-5-9704-3602-8 16. A barren marriage. Versions and contraversions. Ed. by V. E. Radzinsky, Moscow: GEOTARMedia, 2018, 404 p. ISBN 978-5-9704-4602-7.

- Early pregnancy. From pre-pregnancy preparation to healthy gestation / Edited by V. E. Radzinsky and A. A. Orazmuradov, Moscow: Mediabyuro Status Presents, 2018, 800 p. ISBN 978- 5-9500380-9-9.
- 18. Obstetric aggression v. 2.0 / Ed. by V. E. Radzinsky, Moscow: Mediabyuro. Status Prezens 2017. 872 p. ISBN 978-5-9908735-1-3.
- 19. Breast medicine and gynecological diseases / Edited by V. E. Radzinsky.

Moscow: Mediabyuro Status Presents, 2017, 352 p. ISBN 978-5-9909552-2-6

20. Guidelines for outpatient care in obstetrics and gynecology / Edited by V. N. Serov, G. T.

Sukhoi, V. N. Prilepskaya, and V. E. Radzinsky, Moscow: GEOTARMedia,

2018, 1136 p.ISBN 978-5-9704-4431-3.

- 21. Medicamentous abortion in outpatient practice / Dikke G. B.-Moscow: GEOTAR-Media, 2018. 384 p. ISBN 978-5-9704-4430-6.
- 22. Undeveloped pregnancy/ Ed. by V. E. Radzinsky, 2nd ed., transl. Moscow: GEOTAR-Media, 2017, 176 p. ISBN 978-5-9704-4379-8.
- 23. Mini-invasive gynecological surgery / Ed. by O. Istre; Translated from English; Edited by V. E. Radzinsky, A. O. Dukhin-Moscow: GEOTAR-Media, 2017. 288 p. ISBN 978-5-97044201-2.
- 24. Habitual miscarriage: causes, versions and contraversions, treatment / Edited by G. J. A. Karp; Translated from English; Edited by V. E. Radzinsky-Moscow: GEOTAR-Media, 2017. 592 p. ISBN 978-5-9704-4170-1.
- 25. Midwifery. Gynecology. A barren marriage. Clinical pharmacology / Ed. V. E. Radzinsky, R. N. Alyautdin-Moscow: GEOTAR-Media, 2016. 672 p. ISBN 978-5-97043738-4.

26. Pregnancy and childbirth in extragenital diseases / Apresyan S. V. Ed. Radzinsky, - M.:

- GEOTAR-Media, 2015. 536 p. ISBN 978-5-9704-3238-9.
- 27. Radzinsky V. E., Minaeva A.V., Novginov D. S. [et al.]. Medicinal support of clinical protocols. Obstetrics and Gynecology, Moscow: OOO Publishing Group "GEOTAR-Media". 2020, 304 p.
- 28. Neoplasia of the cervix: a short course for the practicing physician. Precancerous diseases of the cervix: diagnostics and medical tactics: informational bulletin

/ T. N. Bebneva, I. D. Ipastova; ed. by V. E. Radzinsky. - Moscow: Editorial office of the journal StatusPraesens, 2016. - 20 p.

29. Chronic pelvic pain syndrome. From a new understanding of etiopathogenesis to a new approach to diagnosis and therapy. Clinical lecture / M. R. Orazov, Kh. Yu. Simonovskaya, T.

S. Ryabinkina; edited by V. E. Radzinsky. - Moscow: Editorial office of the journalStatusPraesens, 2016. - 24 p.

30. Female urinary incontinence. Non-surgical treatment. Information letter / O. I. Klimova,K. V. Voytashevsky; edited by V. E. Radzinsky. - Moscow: Editorial office of thejournalStatusPraesens, 2015. - 16 p.

31. PCOS: a new perspective on the problem. Variety of symptoms, differential diagnosis andtreatment of PCOS. Information bulletin / I. G. Shestakova, T. S. Ryabinkina; edited by V. E.Radzinsky, Moscow: Editorial Office of the journal StatusPraesens, 2015, 24 p.

32. Time for a clear consultation. Tools for choosing hormonal contraception: consulting, algorithm, mobile application: information bulletin / V. E. Radzinsky, M. B.

Khamoshina, Moscow: Editorial Office of the journal StatusPraesens, 2016, 16 p.

33. Algorithm for choosing a method of contraception. Consulting on contraception asthe basis of personalized choice: informational bulletin / V. E. Radzinsky,

M. B. Khamoshina. - Moscow: Editorial office of the journal StatusPraesens, 2017. - 20 p

34. Chronic endometritis and fertility: new answers. Therapeutic opportunities for overcoming chronic inflammation in the endometrium and Improving fertility: information bulletin / V. E. Radzinsky, V. I. Kiselev, E. L. Muizhnek, I. M. Ordiyants, T. A. Dobretsova, Moscow: EditorialOffice of the journal StatusPraesens, 2016.

35. Without illusions and prejudice. Khamoshina M. B.,Dikke G. B., Bril Yu. A., Lebedeva M. G. Reproduktivnoe zdorov'e molodykh zhenshchin: problemy, perspektivy i puti resheniya:informatsionnyi bulletin [Reproductive health of young women: Problems, prospects and solutions].

36. PCOS: from revising perceptions to new therapeutic strategies. Current scientific data and clinical recommendations of the Ministry of Health of the Russian Federation 2015. InformationBulletin / Edited by E. N. Andreeva and M. B. Khamoshina, Moscow: Editorial Office of the journal StatusPraesens, 2016, 28 p.

37. Menstrual disorders at a young age: new goals — proven tools. Preventive and curative possibilities of estrogen-progestogenic drugs with drospirenone. A fresh look at the known data:an informational bulletin / I. G. Shestakova, Kh. Yu. Simonovskaya; edited by V. E. Radzinsky.

- Moscow: Editorial office of the journal StatusPraesens, 2016. - 16 p.

Internet (based) sources

- 1. Electronic libraries with access for RUDN students:
 - -Electronic library network of RUDN ELN RUDN <u>http://lib.rudn.ru/MegaPro/Web</u>
 - ELN «University Library online» <u>http://www.biblioclub.ru</u>
 - ELN Urait http://www.biblio-online.ru
 - ELN «Student Advisor» <u>www.studentlibrary.ru</u>
 - ELN «Lan» <u>http://e.lanbook.com/</u>
- 2. Databases and search engines:
 - electronic fund of legal and regulatory and technical documentation http://docs.cntd.ru/
 - search system Yandex https://www.yandex.ru/
 - search system Google <u>https://www.google.ru/</u>

- abstract database SCOPUS http://www.elsevierscience.ru/products/scopus/

Training toolkit for self- studies to master the course *:

1. The set of lectures on the course "Reproductive Health"

2. The laboratory workshop (if any).on the course "Reproductive Health"

3. The guidelines for writing a course paper / project (if any) on the course "Reproductive Health"

* The training toolkit for self- studies to master the course is placed on the course 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 UPON COURSE COMPLETION

The assessment toolkit and the grading system* to evaluate the competences formation level (GPC-2, GPC-4, GPC-5, GPC-7, PC-2, PC-3, PC-5) upon the course study completion are specified in the Appendix to the course 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:

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