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ФИО: Ястребов Олег Александрович
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Federal State Autonomous Educational Institution of Higher Education

PEOPLES' FRIENDSHIP UNIVERSITY OF RUSSIA

RUDN University

Medical Institute

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

COURSE SYLLABUS

GERIATRICS AND PALLIATIVE MEDICINE

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

2022

1. THE GOALS OF MASTERING THE DISCIPLINE

The aim of the discipline «Geriatrics and palliative medicine» is to form rational approaches for students to pharmacological treatment of the most common cardiac diseases at the outpatient level, an algorithm for referral to a cardiologist, an algorithm for dispensary monitoring of patients with cardiovascular diseases.

2. REQUIREMENTS to LEARNING OUTCOMES

The mastering of the discipline «Geriatrics and Palliative Medicine» is aimed at the formation of the following competences of students:

Table 2.1. The list of competences formed by students during the development of the discipline (results of the mastering of the discipline)

Competence code*	Competence	Indicators of Competence Formation (within the framework of this discipline)
<i>Professional competences</i>		
PC-3.	Being able to prescribe treatment and monitor its efficacy and safety	PC-3.5. Being able to provide palliative care in collaboration with medical specialists and other healthcare professionals. PC-3.6. Being able to organize personalized treatment for a patient, including pregnant women, elderly and senile patients; assess the efficacy and safety of treatment.

* Competences in accordance with the Federal State Educational Standard of Higher Education (FSSES) 3++ 31.05.01 General Medicine.

3. THE COURSE IN THE HIGHER EDUCATION PROGRAMME STRUCTURE

The course «Geriatrics and Palliative Medicine» refers to the Elective Disciplines of block B1 of the EP HE formed by the participants of educational relations.

Within the framework of the Educational Program, students also master other disciplines and/or practices that contribute to expected learning outcomes of the course «Geriatrics and palliative medicine».

Table 3.1. List of Higher Education Program disciplines that contribute to expected learning outcomes*

Competence Code	The competence	Previous Disciplines	Subsequent disciplines
<i>General Professional Competencies</i>			
GPC-1. GPC-4. GPC-5. GPC-7	Being able to implement moral and legal norms, ethical and deontological principals in professional activity Being able to use medical devices provided for by the procedure for medical care, and conduct patient examinations in order to determine a diagnosis Being able to assess morpho-functional, physiological conditions and pathological processes in the human body to solve professional tasks Able to prescribe treatment and monitor its effectiveness and safety.	Bioethics, Law, Propaedeutics of internal diseases, Faculty therapy, Neurology, medical genetics, neurosurgery, Pharmacology, Urology, General surgery, Faculty surgery, Radiation diagnostics, Introduction to Nutritionology, Polyclinic therapy, Psychology and pedagogy, Psychiatry, medical psychology Practice for obtaining primary professional skills and professional experience: assistant to a procedural nurse, Practice of surgical profile: assistant surgeon, General medical practice: assistant to an outpatient clinic doctor	-
<i>Professional Competencies</i>			
PC-2, PC-3.	Capable of conducting a patient examination in order to establish a diagnosis. Capable of prescribing treatment and monitoring its effectiveness and safety.	Propaedeutics of internal diseases, Faculty therapy, Hospital therapy	-

4. THE DISCIPLINE WORKLOAD AND ACADEMIC ACTIVITIES

The total workload of the discipline «Geriatrics and Palliative Medicine» is equal to 2 credits.

Table 4.1. Types of academic activities during the period of the HE program mastering

Types of educational activities	TOTAL, academic hours (ac.h)	Semesters			
		9	10 (A)	11 (B)	12 (C)
Classroom learning , ac.h.	34	-	-	-	34
Including:					

Lectures (Lec)		-	-	-	-	-
Lab work (= Clinical practical studies) (Lab)		34	-	-	-	34
Practical/seminar classes						
Self-studies (SS), academic hours		26	-	-	-	26
<i>including:</i>						
Course project		-	-	-	-	-
Medical essay		12	-	-	-	12
<i>Evaluation and assessment (exam or pass/fail grading) , ac.h.</i>		6	-	-	-	6
Total workload of the discipline	ac.h.	72	-	-	-	72
	credits	2	-	-	-	2

5. THE COURSE MODULES AND CONTENTS

Table 5.1. The content of the discipline and types of academic activities

Modules	Content of the topics	Type of academic activities
Module 1 Geriatrics. Diagnosis and treatment of elderly and senile patients in general medical practice.	The procedure for providing medical care according to the profile "geriatrics".	Lab SS
	Features of collecting complaints, life history and analysis of information received from elderly and senile patients (caregivers)	Lab SS
	Features of physical examination of elderly and senile patients. Interpretation of results.	Lab SS
	Assessment of cognitive functions with the determination of cognitive status, including the diagnosis of dementia and delirium in elderly and senile patients	Lab SS
	Risk factors for venous thromboembolic complications in elderly and senile patients. Risk factors for the development of pressure sores and contact dermatitis in elderly and senile patients. Risk factors for falls in elderly and senile patients.	Lab SS
	Geriatric syndromes and diseases and (or) conditions taking into account age-related changes in organs and systems of the human body in elderly and senile patients. Comprehensive geriatric assessment of the patient.	Lab SS
	Violations of the psychobehavioral status in elderly and senile patients and, if there are medical indications, referral to specialist doctors for correction and treatment.	Lab SS

	The use of medical devices in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols), taking into account the standards of medical care	Lab SS
	Formation of an individual plan for preventive, therapeutic and rehabilitation measures, as well as a plan for the socio-psychological adaptation of patients with geriatric syndromes and diseases and (or) conditions, including the inclusion of measures to overcome polypragmasia.	Lab SS
	Prescribing medications taking into account the functional status, age, diagnosis and clinical picture of the disease.	Lab SS
	Appointment of non-drug therapy, including physiotherapy, therapeutic nutrition, physical therapy, psychotherapy, occupational therapy, taking into account the functional status, age, diagnosis and clinical picture of the disease, the presence of violations of the function of organs and systems of the human body	Lab SS
	The purpose of medical devices taking into account the functional status, age, diagnosis and clinical picture of the disease.	Lab SS
	The appointment of non-invasive respiratory support in patients with respiratory insufficiency for medical reasons.	Lab SS
	Referral of elderly and senile patients for round-the-clock observation and treatment in a hospital setting	Lab SS
	Treatment of elderly and senile patients, including at home	Lab SS
Module 2 Palliative care in general medical practice	Organization of palliative care in general medical practice.	Lab SS
	Questions of psychology and peculiarities of communication in palliative medicine.	Lab SS
	The most common syndromes in patients in need of palliative care.	Lab SS
	Issues of patient care.	Lab SS
	Prescribing medications, including narcotic and psychotropic medications.	Lab SS
	Complications of oncological diseases and urgent conditions in palliative care.	Lab SS

6. CLASSROOM EQUIPMENT AND TECHNOLOGY SUPPORT REQUIREMENT

Table 6.1. Logistical and material provision of the discipline.

Classroom for Academic Activity Type	Classroom Equipment	Specialized educational/laboratory equipment, software and materials for the mastering of the discipline
Learning Lab (Moscow,	Classroom for lecture-type classes, seminars-type classes,	Microsoft products (OS, office suite) (Subscription Enrollment

Classroom for Academic Activity Type	Classroom Equipment	Specialized educational/laboratory equipment, software and materials for the mastering of the discipline
Miklouho-Maclay st., 10, room 314)	group and individual consultations, monitoring and interim certification. Set of specialized furniture; chalk board; technical facilities: projection screen, NEC NP-210 portable multimedia projector, Asus A52J laptop, Internet access	for Education Solutions (CIS) No. 56278518 dated 23/04/2019) Guarantor (Agreement No. 13A/46/2018 dated 02/04/2018) Consultant Plus (Information Support Agreement dated 01/09/2013) Reg number of the co-03-207-7474 from 09.13 g
Learning Lab (Moscow, Miklukho-Maklay st., 10, building 2, room 430)	Classroom seminar-type classes, group and individual consultations, ongoing monitoring and interim certification, equipped with a set of specialized furniture and multimedia presentation equipment.	Laboratory CO2- incubators Shellab, Microsoft products (OS, office suite) (Subscription Enrollment for Education Solutions (CIS) No. 56278518 dated 23/04/2019) Guarantor (Agreement No. 13A/46/2018 dated 02/04/2018) Consultant Plus (Information Support Agreement dated 01/09/2013) Reg number of the co-03-207-7474 from 09.13 g
Learning Lab (Moscow, Miklukho-Maklay st., 10, building 2, room 431)	Classroom for seminar-type classes, group and individual consultations, ongoing monitoring and interim certification, equipped with a set of specialized furniture and multimedia presentation equipment.	Microsoft products (OS, office suite) (Subscription Enrollment for Education Solutions (CIS) No. 56278518 dated 23/04/2019) Guarantor (Agreement No. 13A/46/2018 dated 02/04/2018) Consultant Plus (Information Support Agreement dated 01/09/2013) Reg number of the co-03-207-7474 from 09.13 g
Classroom for students self-studies (Moscow, Miklukho-Maklay st., 10, building 2, room 430).	Classroom for self-studies of students (can be used for seminars and consultations), equipped with a set of specialized furniture, microscopes and computers	Microsoft products (OS, office suite) (Subscription Enrollment for Education Solutions (CIS) No. 56278518 dated 23/04/2019) Guarantor (Agreement No.

Classroom for Academic Activity Type	Classroom Equipment	Specialized educational/laboratory equipment, software and materials for the mastering of the discipline
	with stable wireless Internet connection.	13A/46/2018 dated 02/04/2018) Consultant Plus (Information Support Agreement dated 01/09/2013) Reg number of the co-03-207-7474 from 09.13 g

7. RECOMMENDED SOURSES for COURSE STUDIES

Main reading

(1) Regulatory documents on Geriatrics:

1) Order of the Ministry of Health of the Russian Federation dated January 29, 2016 No. 38n "On approval of the Procedure for providing medical care in the profile of "geriatrics"" (ed. from 02/21/2020)

2) Order of the Ministry of Labor of Russia dated June 17, 2019 N 413n "On approval of the professional standard "geriatrician""

3) Order of the Ministry of Health and Social Development of Russia dated May 17, 2012 N 566n "On approval of the procedure for providing medical care for mental disorders and behavioral disorders" (ed. from 01.02.2022)

4) Clinical recommendations "Cognitive disorders in elderly and senile persons" (approved by the Ministry of Health of Russia). ICD coding: F00 - 03. G30 - 31. I67 - 69. " (approved by the Ministry of Health of Russia). Coding according to ICD:

5) Clinical recommendations "Senile asthenia" (approved by the Ministry of Health of Russia). Coding according to ICD: R54 (approved by the Ministry of Health of Russia). ICD coding: ID: 613

6) A set of measures aimed at preventing falls and fractures in the elderly and senile. Methodological recommendations (approved by the Ministry of Health of Russia on December 15, 2020) / Working Group: Doctor of Medical Sciences, prof. O.N. Tkacheva; Doctor of Medical Sciences, prof. Yu.V. Kotovskaya; Candidate of Medical Sciences A.V. Rozanov; Candidate of Medical Sciences I.V. Babenko; Candidate of Medical Sciences S.P. Svishcheva; O.V. Abroskin

(2) Regulatory documents on Palliative Medicine:

1) Order of the Ministry of Health of the Russian Federation No. 345n / Order of the Ministry of Labor of the Russian Federation No. 372n dated May 31, 2019 "On approval of the Regulations on the organization of palliative care, including the procedure for interaction of medical organizations, social service organizations and public associations, other non-profit organizations operating in the field of health protection

2) Order of the Ministry of Health of the Russian Federation No. 1094n dated November 24, 2021 "On Approval of the Procedure for Prescribing Medicines, Forms of Prescription Forms for Medicines, the Procedure for Registration of these Forms, their Accounting and Storage, forms of prescription forms containing the Appointment of Narcotic Drugs or Psychotropic Substances, the Procedure for their Manufacture,

Distribution, Registration, Accounting and storage, as well as Rules for registration of prescription forms, including in the form of electronic documents"

3) Decree of the Government of the Russian Federation No. 681 of June 30, 1998 "On Approval of the List of Narcotic Drugs, Psychotropic Substances and Their Precursors Subject to Control in the Russian Federation (latest edition)

4) Order of the Ministry of Health of the Russian Federation No. 505n dated July 10, 2019 "On Approval of the Procedure for the Transfer from a medical organization to a patient

Educational literature:

1) Geriatrics Guide for Doctors/ Edited by L.P.Khoroshinina. – M.: GEOTAR-Media, 2019. – 704s. ISBN 978-5-9704-4598-3

2) Palliative care in outpatient settings. A guide for doctors/ Edited by O.Y.Kuznetsova.– M.: GEOTAR-Media, 2021.– 336 p. ISBN 978-5-9704-5948-5

3) Polyclinic therapy : textbook / edited by I. L. Davydkin, Yu. V. Shchukin. — 2nd ed., reprint. and add. — Moscow : GEOTAR-Media, 2020. — 840 p. : ill. — DOI: 10.33029/9704-5545-6-PLT-2020-1-840

Additional reading:

1) Order of the Ministry of Labor of the Russian Federation No. 861/ Order of the Ministry of Health of the Russian Federation No. 1036 dated December 21, 2017 "On approval of Methodological recommendations on the organization of social services and social support for citizens who have completely or partially lost the ability to self-serve, move independently, and provide them with medical care"

2) Order of the Ministry of Labor of the Russian Federation No. 471 dated August 25, 2016 "On Approval of Recommendations on the provision of social and medical services in the form of social services at home to veterans and invalids of the Great Patriotic War"

3) Decree of the Government of the Russian Federation No. 164-r dated February 5, 2016 "On Approval of the Strategy of Actions in the Interests of Older Citizens in the Russian Federation until 2025"

4) Decree of the Government of the Russian Federation of 12.10.2019 N 2406-r (ed. of 30.03.2022) "On approval of the list of vital and essential medicines, as well as lists of medicines for medical use and the minimum range of medicines necessary for the provision of medical care" (with amendments and additions, intro. effective from 01.01.2021)

Internet (based) sources:

1. Electronic libraries with access for RUDN students:

- Electronic library network of RUDN – ELN RUDN <http://lib.rudn.ru/MegaPro/Web>
- ELN «University Library online» <http://www.biblioclub.ru>
- ELN «Student Advisor» www.studentlibrary.ru
- ELN «E-library » <http://elibrary.ru/defaultx.asp>

2. Databases and search engines:

- official internet portal of legal information <http://pravo.gov.ru>
- search system Yandex <https://www.yandex.ru/>
- search system Google <https://www.google.ru/>
- legal reference search system Consultant Plus (<http://www.consultant.ru/>)

- legal reference search system Garant <https://base.garant.ru/>
- abstract database SCOPUS <http://www.elsevierscience.ru/products/scopus/>
- Universal Library ONLINE <http://biblioclub.ru>.
- Library of electronic journals Elsevier <http://www.elsevier.com/about/open-access/open-archives>
- Online Medical Library MedLib <http://med-lib.ru/>
- Scientific medical journal "Difficult Patient", the archive of the journal is freely available <http://t-pacient.ru> .
- The magazine "Zemsky doctor", the archive of the magazine is freely available <http://logospress.ru/zvrach> .

* - All teaching materials for self-study of students are placed in accordance with the current procedure on the discipline page in the RUDN LMS TUIS.

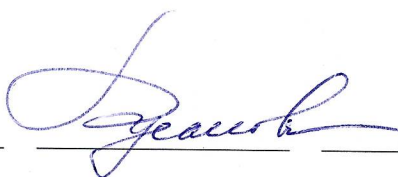
8. EVALUATION TOOLKIT AND GRADE SYSTEM FOR ASSESSMENT

Evaluation Toolkit (ET) and a point-rating system (PRS)* for assessment the level of competence formation (part of competencies) based on the results of mastering the discipline "Geriatrics and Palliative Medicine " are presented in the Appendix to this Work Program of the discipline.

* - ET and PRS are formed on the basis of the requirements of the relevant local regulatory act of the RUDN

DEVELOPERS:

Associate Professor of the
Department of General
Practice



E.I. Rusanova

HEAD of the Department:
of General Practice



N.V. Sturov

HEAD of the Higher Education Program:

First Deputy Director of MI
for Academic Affairs



Iv.V. Radysh