Federal State Autonomous Educational Institution of Higher Education
«Peoples' Friendship University of Russia»

Medical Institute

Recommended MCSD

SYLLABUS
(STUDY GUIDE)

Subject

Basics of Integrative Medicine

Recommended for the direction of training (specialty)

31.05.01 General Medicine

Program (profile, specialization)

General Medicine

1. Goals and objectives of the discipline: mastering the complex use of various medical systems, but also the ability to more accurately determine the etiology of the disease, the cause and nature of local pathological changes, and timely monitor changes occurring in the body during treatment.

2. Place of the discipline in the structure of EP HE:

The discipline "Topical issues of integrative medicine" belongs to the *variable* part of the block of the curriculum of *elective subjects* (block 2).

Table 1 shows the previous and subsequent disciplines aimed at the formation of the discipline's competencies in accordance with the matrix of competencies of the Higher Professional Education Department.

Table No. 1

Previous and subsequent disciplines aimed at the formation of competencies

№ п/п	Code and title of competence	Precceding disciplines	Following disciplines (groups of disciplines)
General Professional Competences			
	GPC-5 GPC-7	Biology; Normal Physiology; Biochemistry; Propaedeutics of internal diseases	Neurology, Medical Genetics, Neurosurgery; Faculty Therapy; Oncology, Radiation therapy; Outpatient therapy; Medical Elementology
Professional competencies (type of professional activity)			
	PC-3	Physics; General Surgery	Outpatient therapy; Hospital therapy; Infectious diseases

3. Requirements for the results of mastering the discipline.

The process of studying the discipline is aimed at the formation of the following competencies:

Table 2.

Emerging competencies

Competences	Competence name	Indicators of achievement of competencies
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-5.2. Being able to evaluate the results of clinical, laboratory and functional diagnosis when dealing with professional tasks. GPC-5.3. Being able to determine morpho-functional, physiological states and pathological processes of the human body

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.
PC-3	Being able to prescribe treatment and monitor its efficacy and safety	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.

As a result of studying the discipline, a student must:

Know:

- alternative diagnostic methods: traditional and alternative medicine;
- traditional, non-traditional and new medical technologies.

Be able to:

- use educational, scientific, and popular science literature, the Internet, and the educational portal for professional activities;
- search for information based on literary sources.

Own:

- methods of applying analyses and solving specific practical and scientific problems;
- basic technologies of information search and transformation, including using educational resources.

4. Scope of the discipline and types of academic work

The total labor intensity of the discipline is **2 credits**.

Type of academic work	Total hours	Semesters			
		6			
Class hours (total)	**34**	**34**			
Including:	-	-	-	-	-
Lectures					
Practical training (PT)	34	34			
Independent work (total)	**38**	**38**			
Total labor intensity hours	**72**	**72**			
credit unit	**2**	**2**			

5. Content of the discipline

5.1. The content of the discipline sections

№ п/п	Name of the section of discipline	Contents of the section
1.	Introduction to Integrative Medicine	The body from the perspective of modern medicine. Disease from the perspective of modern medicine
		Views on the origin of diseases: Euro-American and Indo-Chinese concepts.

2.	Scientific and practical aspects of the integrative medicine system	Biochemical portrait of a healthy and sick person. Connective tissue is the main morpho-functional link in the development of diseases in a living organism. The main connective tissue proteins are collagen and elastin. Synthesis. Features.
		Multilevel system-cybernetic organization of connective tissue components. Multiple dysplasias are the basis for a deeper analysis of human health.
3.	Strategy and tactics of the treatment process in the system of integrative medicine	Integrated treatment schemes, medical rehabilitation and disease prevention
		Principles of integrative treatment: mediocre, systematic, and metabolic.
4.	Homeopathy in the system of integrative medicine	Modern concepts of the extracellular matrix. Changes in the phase states of the matrix (sol-gel), due to the action of the enzyme hyaluronidase. On the integration of allopathy and homeopathy methods.
		About the method of allopathy and homeopathy. On the integration of allopathy and homeopathy methods.

5.2. Sections of disciplines and types of classes

№ п/п	Name of the section of discipline	L	PC	LR	S	SRS	Total hours
1.	Introduction to Integrative Medicine		4			4	8
2.	Scientific and practical aspects of the integrative medicine system		10			10	20
3.	Strategy and tactics of the treatment process in the system of integrative medicine		10			12	22
4.	Homeopathy in the system of integrative medicine		10			12	22
	TOTAL		**34**			**38**	**72**

6. Laboratory training *(if available)*
Not foreseen

7. Practical training (seminars) *(if available)*

№ п/п	№ discipline section	Themes of practical training (seminars)	Labour Intensity (hours)
1.	1	The body from the perspective of modern medicine. Disease from the perspective of modern medicine	2
2.		Views on the origin of diseases: Euro-American and Indo-Chinese concepts.	2

3.	2	Biochemical portrait of a healthy and sick person. Connective tissue is the main morpho-functional link in the development of diseases in a living organism. The main connective tissue proteins are collagen and elastin. Synthesis. Features.	4
4.		Multilevel system-cybernetic organization of connective tissue components. Multiple dysplasias are the basis for a deeper analysis of human health.	4
5.	3	Integrated treatment schemes, medical rehabilitation and disease prevention	6
6.		Principles of integrative treatment: mediocre, systematic, and metabolic.	6
7.	4	Modern concepts of the extracellular matrix. Changes in the phase states of the matrix (sol-gel), due to the action of the enzyme hyaluronidase. On the integration of allopathy and homeopathy methods.	6
8.		About the method of allopathy and homeopathy. On the integration of allopathy and homeopathy methods.	4

1. **Material and technical support of the discipline:**

1. Classrooms equipped with multimedia projectors.
2. Computer classes of ATI, the RUDN University information library center with access to the RUDN University electronic library system, the Internet.

2. **Information support of the discipline**

a) Software 0S Windows XP, Vista, 7, office set OpenOffice.org (или MS Office 2003, 2007), Internet search engines FireFox or Explorer, Opera, or other software tools for knowledge control. Databases: medline, pubmed, others, Excel.
b) RUDN University Library website – Available at: http://lib.rudn.ru/ - from RUDN University computers

University Library ONLINE – Available at: http://www.biblioclub.ru/
Book collections published by SPRINGER – Available at: www.springerlink.com
Vestnik RUDN University (‘Medicine’ Series) – Available at: http://www.elibrary.ru/defaultx.asp
Universal East View databases – Available at: http://online.ebiblioteka.ru/
Full-text collection of Russian scientific journals. eLibrary.ru. – Available at: http://elibrary.ru/defaultx.asp?
On-line access to journals. Information database for all branches of science and electronic documents delivery. SwetsWise. – Available at: https://www.swetswise.com
http://quakes.globalincidentmap.com/

http://www.globalincidentmap.com/
http://earthquake.usgs.gov/earthquakes/recenteqsww/Quakes/quakes_all.php
http://www.tesis.lebedev.ru/forecast activity.html
RUDN University Electronic Library System – EBS RUDN University: http://lib.rudn.ru: 8080/MegaPro/Web
RUDN University Educational Portal (http://web-local.rudn.ru);
University Library Online: http://www.biblioclub.ru
National digital resource "RUKONT": http://rucont.ru I
Qlib: http://www.iqlib.ru
Science Direct: http://www.sciencedirect.com
EBSCO: http://search.ebscohost.com
Sage Publications: http://online.sagepub.com
Springer/Kluwer: http://www.springerlink.com
Tailor & Francis: http://www.informaworld.com
Web of Science: http://www.isiknowledge. cor
University Information System RUSSIA: http://www.cir.ru/index.jsp
RUDN University Educational Portal: http://web-local.rudn.ru/
Student's advisor http://www.studmedlib.ru

10. Educational and methodological support of the discipline:

a) basic literature

1. Treat according to Hippocrates. Medical Practitioner's Handbook. - M.: JSC "Holding "EDIS". 2014. – 316 p.
2. Partsernyak S. A. Premature aging, polymorbidity and integrative medicine: The Challenge of time. St. Petersburg: Publishing House "Integrative technologies", 2020. – 439 p.
3. Partsernyak S.A. Integrative medicine: the path from ideology to health care methodology. St. Petersburg: Nordmedizdat Publishing House, 2007. – 424 p.

b) additional literature

1. Baksheev V. I., Kolomoets N. M. Kostycheva TV. Alternative medicine: past, present and future / l Kl. med. - 2010. - No. 1. – 677 p.
2. Nikityuk B. A. Integration of knowledge in human sciences, Moscow: SportAkademPress, 2000, 440 p.
3. Integrative medicine and human ecology. [Under the editorship of N. A. Agadzhanyan and I. N. Polunin]. – Astrakhan: Pafos, Moscow, 1998. – 354 p.

11. Guidelines for students on mastering the discipline "Basics of integrative medicine"

The student is required to attend classes, complete tasks of the discipline teacher, get acquainted with the recommended literature, etc. When certifying a student, the quality of work in the classroom, the level of preparation for independent activity in the chosen field, the quality of performing tasks of the discipline teacher, and the ability to independently study educational material are evaluated.

During practical classes and lectures in classrooms, relevant topics are analyzed using multimedia equipment (computer, projector).

Independent work during extracurricular hours can take place both in the department's classrooms and in the computer classroom, where students can study material based on presentations prepared by the department's teachers, as well as on computer tests.

Presentations on class topics can be recorded on a CD or flash card for students to work independently on their home computer.

Textbooks in electronic form on a number of topics studied are available on the pages of the Department and employees of the Department of Nursing Management and on the RUDN University Training Portal, as well as on local resources of the RUDN University electronic library system.

As one of the forms of independent work, it is planned to prepare notes on various sections of the course.

Extracurricular independent work includes:

study of the material on the textbook, textbooks on paper and electronic media; preparation of an abstract message on a selected topic; preparation for performing control works and test tasks.

12. Fund of evaluation funds for conducting intermediate certification of students in the discipline "Basics of integrative medicine"

Materials for assessing the level of development of the educational material of the discipline "Fundamentals of integrative Medicine", including a list of competencies indicating the stages of their formation, a description of indicators and criteria for evaluating competencies at various stages of their formation, a description of assessment scales, standard control tasks or other materials necessary for assessing knowledge, skills, skills and (or) experience of activities that characterize the stages of, The skills and (or) experience of activities that characterize the stages of competence formation are fully developed and are available for students on the disciplines page in the RUDN University TUIS.

The program is compiled in accordance with the requirements of the FSES HE.

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