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**HEALTH MINISTRY OF UKRAINE
Odesa National Medical University
Department of infectious diseases**

«APPROVED»
Vic-rector for Scientific and pedagogical work,
Eduard BURLACHKIVSKYI
«01» вересня 2024



WORK PROGRAM ON «Infectious diseases»

Level of higher education: second (master's)

Field of knowledge: 22 "Health care"

Specialty: 221 "Dentistry"

Educational and professional program: "Dentistry"

1. Description of the academic discipline:

Name of the indicators	Field of knowledge, specialty, specialization, level of higher education	Characteristics of the academic discipline
The total number of: Credits: 1 Hours: 30 Content modules: 4	Field of knowledge 22 "Health care"	<i>Full-time study</i>
		<i>Mandatory discipline</i>
		<i>Year of training: 4</i>
	Specialty 221 "Dentistry"	<i>Semesters VII - VIII</i>
		<i>Lectures (4 hours)</i>
		<i>Seminars (0 hours)</i>
	Level of higher education second (master's)	<i>Practical (14 hours)</i>
		<i>Laboratory (0 hours)</i>
		<i>Self-student work (12 hours)</i>
<i>including individual tasks (0 hours)</i>		
		<i>The form of final control is credit</i>

2. The purpose and tasks of the educational discipline, competences, program learning outcomes.

Purpose: Training of highly qualified specialists capable of using the acquired knowledge of infectious diseases in the process of further education and professional activity.

Tasks:

Formation of skills and abilities:

- identify the main clinical symptoms that form a characteristic syndrome in relation to the most common infectious diseases;
- establish a preliminary diagnosis of the most common infectious diseases (syndromal and etiological).

Improving skills:

- establishment and substantiation of the preliminary clinical diagnosis;
- planning of preventive and quarantine measures for the most common and particularly dangerous diseases;
- carry out clinical and laboratory differential diagnosis of various infectious diseases and infectious and non-infectious diseases;
- interpret the results of specific examination methods in the presence of combined pathology - infectious and non-infectious.

Mastering the skills:

- determine the tactics of managing patients with the most common infectious diseases;
- determine the tactics of hospitalization and isolation of infectious patients;
- diagnose emergency conditions and provide assistance at the pre-hospital stage;
- demonstrate awareness of infectious diseases as weapons of mass destruction;
- predict the consequences of infectious diseases for human health.

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

Integral competence (IC):

The ability to solve typical and complex specialized tasks and problems in the field of health care in the specialty "Dentistry", in professional activities or in the learning process, which involves conducting research and/or implementing innovations and is characterized by the complexity and uncertainty of conditions and requirements.

General (GC):

GC2 – Knowledge and understanding of the subject area and understanding of professional activity

GC7 – Ability to search, process and analyse information from various sources

GC8 – Ability to adapt and act in a new situation

GC1 - Ability to collect medical information about the patient and analyse clinical data.

GC2 - Ability to interpret the results of laboratory and instrumental studies

GC3 - Ability to diagnose: determine preliminary, clinical, final, concomitant diagnosis, emergency conditions.

GC6 - Ability to diagnose: determine the preliminary, clinical, final, concomitant diagnosis, emergency conditions.

GC7 - Ability to determine the tactics of managing patients with diseases of the organs and tissues of the oral cavity and maxillofacial region with concomitant somatic diseases

GC8 - Ability to determine the tactics of managing patients with diseases of the organs and tissues of the oral cavity and maxillofacial region with concomitant somatic diseases

GC10 - Ability to determine the tactics of managing patients with diseases of the organs and tissues of the oral cavity and maxillofacial region with concomitant somatic diseases

GC13 - Ability to determine the tactics of managing patients with diseases of the organs and tissues of the oral cavity and maxillofacial region with concomitant somatic diseases

GC14 - Ability to maintain regulatory medical records

GC15 - Ability to maintain regulatory medical records

GC16 - Ability to make decisions and act in compliance with the principle of inadmissibility of corruption and any manifestations of dishonesty

Special (SC):

SC1 - Ability to collect medical information about the patient and analyse clinical data.

SC2 - Ability to interpret the results of laboratory and instrumental studies

SC3 - Ability to diagnose: determine preliminary, clinical, final, concomitant diagnosis, emergency conditions.

SC6 - Ability to determine the rational mode of work, rest, diet in patients in the treatment of diseases of organs and tissues of the oral cavity and maxillofacial region.

SC7 - Ability to determine the tactics of managing patients with diseases of the organs and tissues of the oral cavity and maxillofacial region with concomitant somatic diseases.

SC8 - Ability to perform medical and dental manipulations.

SC10 - Ability to organise and conduct medical evacuation measures.

SC13 - Ability to assess the impact of the environment on public health (individual, family, population).

SC14 - Ability to maintain regulatory medical records.

SC15 - Processing of state, social and medical information.

SC16 - Ability to organise and conduct rehabilitation and care for patients with diseases of the oral cavity and oral health care.

Program learning outcomes (PLO):

PLO2 - Collect information about the general condition of the patient, assess the psychomotor and physical development of the patient, the condition of the maxillofacial organs, evaluate information on the diagnosis based on the results of laboratory and instrumental studies (according to the list 5)

PLO3 - To prescribe and analyse additional (mandatory and optional) methods of examination (laboratory, radiological, functional and/or instrumental) according to the list of 5, patients with diseases of organs and tissues of the oral cavity and maxillofacial area for differential diagnosis of diseases (according to the list 2).

PLO4 - Determine the final clinical diagnosis in accordance with the relevant ethical and legal standards, by making an informed decision and logical analysis of the obtained subjective and objective data of clinical, additional examination, differential diagnosis under the supervision of a supervising physician in a medical institution (according to list 2.1)

PLO5 - To diagnose emergency conditions under any circumstances (at home, on the street, in a medical institution), in an emergency situation, martial law, lack of information and limited time (according to list 4)

PLO14 - To establish the diagnosis of emergency conditions under any circumstances (at home, on the street, in a medical institution), in an emergency situation, martial law, lack of information and limited time (according to the list 4)

PLO15 - Assess the impact of the environment on the health of the population in a medical institution using standard methods

PLO20 - Organise the necessary level of individual safety (own and persons under care) in case of typical dangerous situations in the individual field of activity

PLO21 - Perform medical manipulations on the basis of preliminary and/or final clinical diagnosis (lists 2, 2.1) for different segments of the population and in different conditions (list 6).

As a result of studying the discipline, the higher education applicant must:

Know: etiology, epidemiology, pathogenesis, clinic, diagnosis, differential diagnosis, treatment, prevention of common infectious diseases.

Be able:

- communicate with the patient, collect complaints, life and disease history, epidemiological history, conduct a survey of organs and systems;
- conducting a physical examination of the patient and determining the main symptoms of the disease;
- analyze the results of laboratory, functional and instrumental research.
- carry out differential diagnosis and substantiate the clinical diagnosis.
- determine tactics and provide emergency medical aid in emergency situations
- determine the nature and principles of treatment on the basis of a preliminary clinical diagnosis, observing relevant ethical and legal norms, by making a reasoned decision according to existing algorithms and standard schemes.
- determination of primary and secondary prevention measures.

3. CONTENTS OF THE COURSE "INFECTIOUS DISEASES" Specialty 221 "Dentistry"

Content module 1.

Introduction to the course of of infectious diseases

Infectious diseases with fecal-oral transmission mechanism

(8 hours/0.27 credits: lectures - 2, practical classes - 2, SSW - 4)

Topic 1. The concept of the infectious process. General characteristics of intestinal infections

The place of the discipline "Infectious diseases" in the system of medical knowledge. Classification of infectious diseases. Features of infectious diseases. Principles of diagnosis and treatment of infectious diseases. Preventive measures and principles of immunoprophylaxis of infectious diseases.

Place of infectious diseases with fecal-oral transmission mechanism in the structure of infectious diseases. Epidemiological, pathogenetic and clinical features of intestinal infectious diseases. Modern methods of laboratory diagnostics. Indications for hospitalization and rules for discharge of patients from an infectious hospital.

Typhoid. Salmonellosis. Shigellosis. Cholera. Food toxic infections. Etiology. Epidemiology. Classification. Pathogenesis. Clinic. Diagnostics. Treatment. Prevention.

Topic 2. Dehydration shock in the clinic of infectious diseases

Dehydration shock in the clinic of infectious diseases: definition of the concept; various degrees of dehydration. Differential diagnosis of dehydration shock with shock states of other genesis. Principles of treatment, emergency care for patients at the pre-hospital stage

Topic 3. Helminth infections

Helminth infections: general characteristics, etiology, epidemiology, classification, clinic, diagnosis, treatment and prevention.

Content module 2.

Infectious diseases with an airborne mechanism of transmission

Topic 4. General characteristics of respiratory tract infections

Infectious diseases that occur with respiratory syndrome: influenza, parainfluenza, adenovirus infection, coronavirus, rhinovirus infection, and others. Etiology, epidemiology, clinic, diagnosis, principles of treatment, prevention.

False croup: definition, pathogenesis, stages, clinical and laboratory diagnosis, principles of treatment, emergency care for patients at the prehospital stage

Topic 5. Meningeal syndrome in the clinic of infectious diseases. Meningococcal infection

Meningeal syndrome in the clinic of infectious diseases: Pathogenesis of meningeal syndrome. Definition of the terms "meningism" and "meningitis". Etiology, pathogenesis, classification of meningitis. Clinical and laboratory diagnostics. Differential diagnosis of serous and purulent meningitis of various etiologies. Principles of treatment and prevention

Meningococcal infection. Etiology. Epidemiology. Classification. Pathogenesis. Clinic. Diagnostics. Treatment. Prevention

Topic 6. Infectious-toxic shock in the clinic of infectious diseases

Infectious-toxic shock in the clinic of infectious diseases: definition of the concept; modern views on pathogenesis; classification; clinical and laboratory diagnostics; principles of treatment; emergency care for patients at the pre-hospital stage

Topic 7. Diphtheria

Diphtheria. Etiology. Epidemiology. Classification. Pathogenesis. Clinic. Diagnostics. Treatment. Prevention

True croup: definition, pathogenesis, stages, clinical and laboratory diagnosis, principles of treatment, emergency care for patients at the prehospital stage

Topic 8. "Children's" droplet infections in adults

"Children's" droplet infections in adults: measles, rubella, epidemic parotitis, scarlet fever. Etiology. Epidemiology. Pathogenesis. Clinic. Diagnostics. Treatment. Prevention. Features of the course in adults.

Topic 9. Herpesvirus infections

Herpesvirus infections: HSV, VZV, EBV, CMV. Etiology. Epidemiology. Classification. Pathogenesis. Clinic. Diagnostics. Treatment. Prevention.

Content module 3.
Viral hepatitis. HIV infection

Topic 10. Viral hepatitis with fecal-oral transmission mechanism

General characteristics of viral hepatitis. Acute viral hepatitis A and E. Etiology. Epidemiology. Classification. Pathogenesis. Peculiarities of the clinical course of hepatitis. Diagnostics. Treatment. Prevention. Peculiarities of infection in the conditions of dental practice. Planned and emergency prevention of infectious diseases. Individual prevention

Topic 11. Acute viral hepatitis with a parenteral transmission mechanism

Viral hepatitis with a parenteral transmission mechanism: viral hepatitis B, C, D. Etiology. Epidemiology. Classification. Pathogenesis. Peculiarities of the clinical course of hepatitis. Diagnostics. Treatment. Prevention. Peculiarities of infection in the conditions of dental practice. Planned and emergency prevention. Individual prevention

Topic 12. HIV infection

HIV infection/AIDS. HIV-associated diseases accompanied by damage to the mucous membrane of the oral cavity: herpes virus infection; mycoses (candidiasis, histoplasmosis, cryptococcosis). Etiology. Epidemiology. Classification. Pathogenesis. Clinic. Diagnostics. Treatment. Prevention

Content module 4.

"Infectious diseases with wound and multiple transmission mechanisms"

Topic 13. Quarantine infections

Quarantine infections: plague, yellow fever, hemorrhagic fevers of Lassa, Marburg, Ebola, natural smallpox. Etiology. Epidemiology. Classification. Pathogenesis. Clinic. Diagnostics. Treatment. Prevention.

Anti-epidemic measures when identifying a patient with EDI. Measures for emergency personal prevention of infection.

4. The structure of the academic discipline

Topics	Hours				
	Total	including			
		Lectures	Seminars	Practical classes	Laboratory classes
Content module 1.					

Introduction to the course of infectious diseases						
Infectious diseases with fecal-oral transmission mechanism						
Topic 1. The concept of the infectious process. General characteristics of intestinal infections	4	2	0	2	0	0
Topic 2. Dehydration shock in the clinic of infectious diseases	2	0	0	0	0	2
Topic 3. Helminth infections	2	0	0	0	0	2
Total including content module 1	8	2	0	2	0	4
Content module 2.						
Infectious diseases with an airborne mechanism of transmission						
Topic 4. General characteristics of respiratory tract infections	4	2	0	0	0	2
Topic 5. Meningeal syndrome in the clinic of infectious diseases. Meningococcal infection	2	0	0	2	0	0
Topic 6. Infectious-toxic shock in the clinic of infectious diseases	2	0	0	0	0	2
Topic 7. Diphtheria	2	0	0	2	0	0
Topic 8. "Children's" droplet infections in adults	2	0	0	2	0	0
Topic 9. Herpesvirus infections	2	0	0	0	0	2
Total including content module 2	14	2	0	6	0	6
Content module 3.						
Viral hepatitis. HIV infection						
Topic 10. Viral hepatitis with fecal-oral transmission mechanism.	2	0	0	0	0	2
Topic 11. Acute viral hepatitis with a parenteral transmission mechanism	2	0	0	2	0	0
Topic 12. HIV infection	2		0	2	0	0
Total including content module 3	6	0	0	4	0	2
Content module 4.						
"Infectious diseases with wound and multiple mechanisms transmission "						
Topic 13. Quarantine infections	2	0	0	2	0	0
Total including content module 4	2	0	0	2	0	0
Total	30	4	0	16	0	10

5. Topics of lectures/seminars/practical/laboratory classes

5.1. Topics of lectures

No	Topics	Hours
1	Lecture 1. The concept of the infectious process. General characteristics of intestinal infections	2
2	Lecture 2. General characteristics of respiratory tract infections	2
TOTAL		4

5.2. Topics of seminar classes

Seminar classes are not provided

5.3. Topics of practical classes

No	Topics	Hours
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1	Topic 1. The concept of the infectious process. General characteristics of intestinal infection	2
2	Topic 5. Meningeal syndrome in the clinic of infectious diseases. Meningococcal infection	2
3	Topic 7. Diphtheria	2
4	Topic 8. "Children's" droplet infections in adults	2
5	Topic 11. Acute viral hepatitis with a parenteral transmission mechanism	2
6	Topic 12. HIV infection	2
7	Topic 13. Quarantine infections	2
TOTAL		14

5.4. Topics of laboratory classes

Laboratory classes are not provided

6. Self-study work of higher education acquirer

№	Topic	Hours
1	Topic 1. Preparation for thematic lesson 2 on the topic "Dehydration shock in the clinic of infectious diseases"	2
2	Topic 2. Preparation for thematic lesson 3 on the topic "Helmintoses"	2
3	Topic 3. Preparation for thematic lesson 4 on the topic "General characteristics of respiratory tract infections"	2
4	Topic 3. Preparation for thematic lesson 6 on the topic "Infectious-toxic shock in the clinic of infectious diseases"	2
5	Topic 4. Preparation for thematic lesson 9 on the topic "Herpesvirus infections"	2
6	Topic 5. Preparation for thematic lesson 10 on the topic "Viral hepatitis with fecal oral transmission mechanism"	2
TOTAL		12

Note* classroom work - 66%, SSW - 33%.

7. Teaching methods

In the process of teaching the discipline, various teaching methods are used:

- 1) *verbal methods*: lectures, educational narrative, conversation, educational discussion (they allow you to clarify the key issues of the topic of practical/clinical classes and integrate the students' survey into the process of theoretical analysis), instruction, work with methodological developments, methodological manuals, textbooks;
- 2) *visual methods*: demonstration of multimedia materials using an LCD screen on the topics of clinical practice, as well as work at the patient's bedside (analysis of clinical cases during a visit to the department or using an electronic database);
- 3) *practical methods*: exercise (solving a situational clinical problem with a diagnosis, its justification and answering questions to it; practical work at the patient's bedside with clinical analysis and open discussion.

Types of educational activities of students according to the curriculum are:

- a) lectures, b) practical classes, c) independent work of students (SSW).

Thematic plans of lectures, practical classes and SSW ensure the implementation in the educational process of all topics that are part of the content sections.

The topics of **the lecture course** reveal problematic issues of the corresponding sections on infectious diseases. The lecture course uses didactic tools as much as possible (multimedia

presentations, slides, educational films, demonstration of thematic patients). The lecture and practical stages of students' education are composed mainly in such a way that the lectures precede the corresponding practical classes.

Practical classes (approximate duration of 2 hours) are held at the clinical facilities of the department. The methodology for organizing clinical practical classes on infectious diseases requires the following:

- to make the student a participant in the process of providing medical care to patients from the moment of their hospitalization, examination, diagnosis, treatment until discharge from the hospital;
- master professional practical skills: skills of working in a team of students, doctors, other participants in the provision of medical care;
- to form the student's responsibility as a future specialist according to the level of his training, its improvement during training and professional activity.

Self-study work: independent work with recommended basic and additional literature, with electronic information resources, independent mastering of algorithms for communication with the patient.

Tasks for self-study work in the form of questions from the list of SSW topics are included in the oral interview, written work (during the clinical session).

8. Forms of control and evaluation methods (including criteria for evaluating learning outcomes)

Current monitoring of the success of students' learning is carried out during practical training on the basis of theoretical knowledge and practical skills and abilities, for which the following forms of control are used

- oral survey;
- blitz survey;
- control of practical skills (work at the patient's bedside) - control by the teacher, self-control;
- control of solving a situational clinical problem with a diagnosis, its justification and answers to questions at the end of the class (written control);
- oral/written answers to questions on SRS topics in accordance with the calendar and thematic plan;
- assessment of activity in the classroom.

The grade for one practical lesson is the arithmetic mean of all components and can only have an integer value (5, 4, 3, 2), which is rounded according to the statistical method.

Final control: credit.

Evaluation of current learning activities in a practical / seminar / laboratory class:

1. Assessment of theoretical knowledge on the topic of the lesson:
 - methods: a) survey, b) oral/written answers, c) solving a situational clinical problem;
 - maximum grade - 5, minimum grade - 3, unsatisfactory grade - 2.
2. Assessment of work with a patient and practical skills on the topic of the class.
 - Methods: a) assessment of communication skills with the patient,

b) correctness of appointment and evaluation of laboratory and instrumental studies, c) compliance with the algorithm of differential diagnosis, d) justification of the clinical diagnosis, e) preparation of a treatment plan.

- maximum mark - 5, minimum mark - 3, unsatisfactory mark - 2.

Current evaluation criteria in practical training

Grade	Evaluation criteria
Excellent «5»	The acquirer has a fluent command of the material, takes an active part in discussing and solving a situational clinical problem, confidently demonstrates practical skills during the examination of a patient and the interpretation of clinical, laboratory and instrumental research data, expresses his opinion on the topic of the lesson, demonstrates clinical thinking.
Good «4»	The acquirer has a good command of the material, participates in the discussion and solution of a situational clinical problem, demonstrates practical skills during the examination of a patient and the interpretation of clinical, laboratory and instrumental research data with some errors, expresses his opinion on the subject of the lesson, demonstrates clinical thinking.
Satisfactory «3»	The acquirer does not have sufficient knowledge of the material, is unsure of participating in the discussion and solving of the situational clinical problem, demonstrates practical skills during the examination of the patient and the interpretation of clinical, laboratory and instrumental research data with significant errors.
Unsatisfactory «2»	The acquirer does not possess the material, does not participate in the discussion and solution of the situational clinical problem, does not demonstrate practical skills during the examination of the patient and the interpretation of clinical, laboratory and instrumental research data.

Credit is awarded to an applicant who has completed all the tasks of the work program of the discipline, actively participated in practical classes, completed and defended an individual assignment and has a current average grade of at least 3.0 and has no academic debt.

The test is taken at the last lesson. The grade for the test is the arithmetic average of all components on a traditional four-point scale and has a value that is rounded according to the statistical method with two decimal places.

9. Distribution of points received by acquirers of higher education

The obtained grade point average for the discipline for students who have successfully completed the work program of the discipline is converted from the traditional four-point scale to points on a 200-point scale, as shown in the table:

Table of conversion of traditional grade into a multi-point scale

National assessment for discipline	The sum of points for the discipline
Excellent («5»)	185-200
Good («4»)	151-184
Satisfactory («3»)	120-150

Unsatisfactory («2»)	Lower then 120
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A multi-point scale (200-point scale) characterizes the actual performance of each student in mastering the educational component. The conversion of the traditional grade (grade point average for a discipline) into a 200-point scale is performed by the University's Information Technology Department.

According to the points obtained on a 200-point scale, the achievements of applicants are evaluated according to the ECTS rating scale. Further ranking according to the ECTS rating scale allows to evaluate the achievements of applicants in the educational component who study in one course of one specialty, according to the points they received.

The ECTS scale is a relative and comparative rating scale that establishes the applicant's belonging to the group of the best or worst among the reference group of fellow students (faculty, specialty). Grade A on the ECTS scale cannot be equal to grade A, and grade B cannot be equal to grade B, etc. When converting from a multi-point scale, the limits of grades "A", "B", "C", "D", "E" on the ECTS scale do not coincide with the limits of grades "5", "4", "3" on the traditional scale. Applicants who have received grades "FX" and "F" ("2") are not included in the list of ranked applicants. The grade "FX" is assigned to applicants who have scored the minimum number of points for current academic activities, but who have not been credited with the final control. The grade "F" is assigned to applicants who have attended all classes in the discipline, but have not gained an average score (3.00) for current academic activities and are not allowed to take the final control.

Acquirers enrolled in the same course (one specialty), based on the number of points gained in the discipline, are ranked on the ECTS scale as follows:

Conversion of the traditional grade from the discipline and the sum of points on the ECTS scale

ECTS mark	Statistic index
“A”	Next 10% of acquirers
“B”	Next 25% of acquirers
“C”	Next 30% of acquirers
“D”	Next 25% of acquirers
“E”	Next 10% of acquirers

10. Methodological support

- Working program of the academic discipline
- Syllabus
- Methodical developments for lecture classes
- Methodical developments for practical classes
- Methodical recommendations for independent work of students of higher education
- Multimedia presentations
- Illustrative materials
- Situational clinical tasks
- Situational results of laboratory examinations
- Scenarios of role-playing games (if necessary)
- Presentations and lecture notes

11. Questions for preparing for the final inspection

General part:

1. The concept of the infectious process. Features of infectious diseases.
2. Classification of infectious diseases
3. Features of diagnosis and treatment of infectious diseases
4. General characteristics of intestinal infections
5. General characteristics of infectious diseases of the respiratory tract

Special part:

1. Typhoid fever. Etiology. Epidemiology. Classification. Pathogenesis. Clinic. Diagnostics. Treatment. Prevention
2. Salmonellosis. Etiology. Epidemiology. Classification. Pathogenesis. Clinic. Diagnostics. Treatment. Prevention
3. Cholera. Etiology. Epidemiology. Classification. Pathogenesis. Clinic. Diagnostics. Treatment. Prevention
4. Influenza. Etiology. Epidemiology. Pathogenesis. Clinic. Diagnostics. Treatment. Prevention
5. Adenovirus infection. Etiology. Epidemiology. Pathogenesis. Clinic. Diagnostics. Treatment. Prevention
6. Meningococcal nasopharyngitis. Etiology. Epidemiology. Classification. Pathogenesis. Clinic. Diagnostics. Treatment. Prevention
7. Diphtheria. Etiology. Epidemiology. Classification. Pathogenesis. Clinic. Diagnostics. Treatment. Prevention
8. Measles. Etiology. Epidemiology. Pathogenesis. Clinic. Diagnostics. Treatment. Prevention. Features of the course in adults
9. Acute hepatitis A. Etiology. Epidemiology. Classification. Pathogenesis. Clinic. Diagnostics. Treatment. Prevention
10. Acute hepatitis E. Etiology. Epidemiology. Classification. Pathogenesis. Clinic. Diagnostics. Treatment. Prevention
11. Acute hepatitis B. Etiology. Epidemiology. Classification. Pathogenesis. Clinic. Diagnostics. Treatment. Prevention. Peculiarities of infection in the conditions of dental practice
12. Acute hepatitis C. Etiology. Epidemiology. Classification. Pathogenesis. Clinic. Diagnostics. Treatment. Prevention
13. HIV infection. Etiology. Epidemiology. Classification. Pathogenesis. Clinic. Diagnostics. Treatment. Prevention
14. Plague. Etiology. Epidemiology. Classification. Pathogenesis. Clinic. Diagnostics. Treatment. Prevention
15. Yellow fever. Etiology. Epidemiology. Classification. Pathogenesis. Clinic. Diagnostics. Treatment. Prevention

12. Recommended literature

Main literature

1. Infectious Diseases: textbook (IV a. 1.) / O.A. Holubovska, M.A. Andreichyn, A.V. Shkurba, T.V. Chaban et al. К. ВСВ «Медицина», 2018. (APPROVED by the Ministry of Education and Science of Ukraine as a textbook for students of higher medical educational establishments; APPROVED by the Ministry of Health of Ukraine as a textbook for students

of higher medical educational establishments) – 664 с. + 12 с. кольор. вкл. ; двокольор. вид. ISBN 978-617-505-727-8.

2. Pediatric Infectious Diseases: textbook / S.O. Kramarov, O.B. Nadraga, L.V. Pyra et al.; edited by S.O. Kramarov, O.B. Nadraga. — 4th edition. — Kyiv: AUS Medicine Publishing, 2020. — 240 p.

3. General epidemiology: study guide (IV a. 1.) / N.O. Vynograd. — 3rd edition, corrected K: ВСВ «Медицина», 2017. – 128 с. Hagberg H., Wennerholm U.B., Savman K. // Current Opinion in Infectious Disease». – 2015. - Vol. - № 3. - P. 301-306.

4. Harrison's Principles of internal medicine. 19th edition /edited by Anthony S. Fauci, Dennis L Kasper, Dan L. Longo [et all]. – New York. - 2017. – 1307 p.

Additional

1. Comprehensive Textbook of Infectious Disease: M. I. Sahadulla, S. A. Udman. – 2nd edition. Jaypee Brothers, Medical Publishers Pvt. Limited, 2019 – 835 p.

2. Атлас дитячих інфекційних хвороб. Червона Книга = Red Book® Atlas of Pediatric Infectious Diseases: пер. 3-го англ. вид. : двомов. вид. / Керол Дж. Бейкер ; наук. ред. пер. проф. С.О. Крамарьов ; пер. з англ. Л.В. Закордонєць. — К. : ВСВ «Медицина», 2019. — 744 с. Tropical infections: manual/ed. MA Andreychyn, VD Moskaliuk. - Lviv: "Magnolia 2006", 2019. - 220 p.

3. Tropical infections: manual/ed. MA Andreychyn, VD Moskaliuk. - Lviv: "Magnolia 2006", 2019. - 220 p.

4. Інфекційні хвороби: Підручник / Є.В. Нікітін, М.А. Андрейчин, К.Л. Сервецький, В.О. Качор, А.М. Головченко, Є.М. Усиченко: За ред. Є.В. Нікітіна та М.А. Андрейчина. – Тернопіль: Укрмедкнига, 2004. – 364 с. ISBN 966-673-012-X

Information resource: <https://library.odmu.edu.ua/catalog/>