



**CD 8.5.1 CURRICULUM DISCIPLINĂ**

**Redacția: 06**

**Data: 20.09.2017**

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**FACULTY OF DENTISTRY  
SYLLABUS 0911.1 DENTISTRY  
DEPARTMENT OF INFECTIOUS DISEASES**

**APPROVED**

at the meeting of the Committee for Quality Assurance and Curriculum Evaluation, Faculty of Dentistry  
Minutes no. \_\_\_ from \_\_\_\_\_

Chairwoman of the Committee, PhD MD, associate professor  
Stepco Elena \_\_\_\_\_

**APPROVED**

at the meeting of the Faculty Council, Faculty of Dentistry  
Minutes no. \_\_\_ from \_\_\_\_\_

Dean of the faculty, PhD MD, associate professor  
Ciobanu Sergiu \_\_\_\_\_

Approved

At the meeting of the chair Infectious Diseases  
Minutes No. 1, of 28.08.2017

Head of the chair,  
MD, associate professor

\_\_\_\_\_ Gh. Placinta

## **CURRICULUM**

**SUBJECT: INFECTIOUS DISEASES  
WITH STOMATOLOGICAL MANIFESTATIONS**

**Integrated studies**

Course type: **Compulsory**

Chișinău, 2017



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### I. PRELIMINARY

- **General presentation of the subject: the role of subject in building skills specific to the instructional and professional training programme /Speciality**

The Infectious diseases course is one of the disciplines in the university training of beneficiaries regardless of the specialty they will choose later who know infectious diseases, with an area of integration and implementation of fundamental knowledge (pathophysiology, microbiology, molecular biology, epidemiology, pharmacology etc. .) in clinical practice. In this study the subjects are etiology, pathogenesis, dental manifestations of various infectious diseases, the development of treatment and prophylaxis of infectious diseases. The student builds practical skills in the examination and investigation of patients with infectious diseases, predicting outcomes, early detection of infectious diseases, emergency care and prevention.

- **Curriculum purpose in the professional training**
- To provide students knowledge about the pathogenic contamination of human organisms, on conflict between pathogens and human body, the characteristics of reactivation of the macroorganism, the cultivation of abilities, habits and specific treatment opportunities as well as measures for the prevention of infectious diseases.
- Prevention of infectious diseases aims to integrate the acquired knowledge to future dentists profile disciplines to ensure effective dental care, safe, respecting the principles of primary prevention, secondary and tertiary measures aseptic and antiseptic as required rigor. However, clinical examination and laboratory methods described in the discipline takes to develop clinical thinking skills and student-oriented accumulation of skills in determining optimal methods for prevention, diagnosis and treatment of patients and improve their quality of life.
- **Languages of study:** Romanian and English.
- **Target public:** 4-rd year students, Faculty of Dentistry

### II. SUBJECT MANAGEMENT

Subject code	S.07.O.081		
Subject name	INFECTIOUS DISEASES WITH STOMATOLOGICAL MANIFESTATIONS		
Subject leaders	<b>Cebotarescu Valentin</b> , PhD, MD, assoc.prof. <b>Plăcintă Gheorghe</b> , PhD, MD, assoc.prof, Head of Chair		
Year	<b>IV</b>	Semester	<b>VII</b>
Total number of hours, including:			<b>60</b>
Lectures	<b>8</b>	Practical work	<b>14</b>
Seminars	<b>6</b>	Individual work	<b>32</b>
Type of assessment	<b>2</b>	Number of credits	<b>2</b>



### III. LEARNING OBJECTIVES

*At the end of the course the students will be able to:*

- ***At knowledge and comprehension level:***

- ✓ To know the role of infectious diseases in society and the importance of education dentist and patient;
- ✓ Defining the concept of infectious disease, objectives and tasks of discipline
- ✓ Understand how to communicate with patients and establish their medical history;
- ✓ Know how to record the data in the patient's medical card;
- ✓ To know the features and stages of clinical examination of the patient ;
- ✓ To know the particularities and options of the patient's paraclinical examination;
- ✓ To have knowledge in specifying the clinical picture, developmental particularities, complications of infectious diseases to know the types of radiological paraclinical investigations and the indications for their performance;
- ✓ To know the types of non-radiological paraclinical investigations and the indications for their performance;
- ✓ To know the concepts of prevention;
- ✓ Categorize prevention methods and understand their level of application (individual, group, population);
- ✓ To develop clinical thinking, the ability to analyze and systematize the results of the clinical and paraclinical examination of infectious diseases.
- ✓ Clinical symptoms and changes in the oral cavity in various infectious diseases of viral, bacterial, micotic etiology.
- ✓ Creation of an investigation plan in case of suspicion of an infectious disease.
- ✓ To know the principles of asepsis and antisepsis and their methods of application;
- ✓ Immunoprophylaxis of infectious diseases.

- ***At application level:***

- ✓ Be able to collect patient and anamnesis data (subjective examination);
- ✓ Be able to complete the patient's medical record and informed consent;
- ✓ Be able to highlight data of major importance for establishing the diagnosis;
- ✓ To distinguish problems that arise in the communication process and can solve;
- ✓ Be able to perform the clinical examination of the patient (objective exam);
- ✓ Be able to establish and argue the early diagnosis of infectious diseases;
- ✓ Be able to determine the necessary laboratory tests methods depending on the case;
- ✓ Can argue the need for laboratory tests chosen depending on the case;
- ✓ Be able to describe types and levels prophylaxis of infectious diseases for the application thereof;

- ***Level integration:***

- ✓ Assess the type of patient-based data collection (dialogue, inquiry, combined) ;
- ✓ To determine the level of satisfaction of the patient by different criteria;
- ✓ To ensure compliance with professional ethics and deontology;
- ✓ to highlight the patient's problem with the appreciation of the paraclinical examination options necessary to establish a diagnosis;

- ***At integration level:***

- ✓ Particularities of causative agents of infectious diseases;
- ✓ Morbidity through infectious diseases;
- ✓ Pathogenesis and morphopathology of infectious diseases;



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- ✓ Contemporary diagnostic principles and methods of infectious diseases;
- ✓ Principles of specific therapy of infectious diseases (serotherapy, immunotherapy);
- ✓ Principles of antibiotic therapy of infectious diseases;
- ✓ Principles of prophylaxis and control of infectious diseases. Antiepidemic measures in the outbreak;
- ✓ Particularities of infectious diseases in adults;
- ✓ Ensure respect for professional ethics and deontology;
- ✓ To highlight the patient's problem with the appreciation of the paraclinical examination options necessary to establish a diagnosis;

### IV: PRELIMINARY REQUIREMENTS

1. The student is present at the practical works with thorough knowledge in the field (pharmacology, pathophysiology, microbiology, epidemiology)
2. The student is obliged:
  - Know the language of teaching
  - Have a proper outfit for a doctor (white dressing gown, mask, exchange footwear, footwear, training tape).
  - Comply with anti-epidemic regime in the clinic to maintain cleanliness, order, tranquility and sleeping sick child to be kind to the patient, parent or child îngritorul
  - Have communication and teamwork skills.
  - Promote the principles of ethics and deontology in patient care
  - Have digital competences (using the Internet, processing medical records, protocols, electronic tables and ect.)

### V. TOPICS AND APPROXIMATE HOUR DISTRIBUTION

No	Topic	Number of hours		
		Lectues	Pr/S	Individual
1	Viral hepatitis A, B, C, D and E News. Etiology. Classification of clinical forms. The clinical picture. Biochemical, and serological diagnosis. Differential diagnosis. Principles of treatment. Acute hepatic necrosis. Diagnosis and treatment. The differential diagnosis of acute chronic viral hepatitis. Principles of antiviral therapy. Hospitalization.	2	5	7
2	Angina (streptococcal diphtheria, herpes, mononucleosis). Mumps. Actuality. Clinical etiology. Clinical management. Laboratory diagnosis. Principles of treatment	2	4	6
3	Acute viral respiratory infections (influenza, adenovirus, parainfluenza, respiratory syncytial infection, rhinovirus). Actuality. Etiology. Clinical picture. Clinical management. Laboratory diagnosis. Principles of treatment.	2	4	6
4	Clinical features and management of infections evolving with gastrointestinal syndrome: botulism, dysentery, cholera, salmonellosis and other food poisoning. Actuality. Etiology. Clinical picture. Clinical management. Laboratory diagnosis. Principles of treatment.	-	5	6



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No	Topic	Number of hours		
		Lectues	Pr/S	Individual
14	HIV / AIDS. Actuality. Etiology. Classification principles. The peculiarities of the clinical picture. Clinical management. Laboratory diagnosis. Principles of treatment.	2	-	7
	Test		2	
		<b>8</b>	<b>20</b>	<b>32</b>
<b>Total</b>		<b>60</b>		

### VI: INSTRUCTIONAL OBJECTIVES AND CONTENT UNITS

*For each theme provided the curriculum to serve the purpose that the student:*

- **Define:**

- the clinical particularities specific to each infectious disease in question;

- **To know:**

- Incidence, modern aspects of the etiopathogenesis of infectious diseases frequently encountered

- Clinical and paraclinical (laboratory and instrumental) diagnosis of each disease studied and their importance in diagnosis

- Classification of infectious diseases, mechanism and routes of transmission;

- Clinical syndromes characteristic of each infectious disease studied with particularities of oropharyngeal mucosal involvement and their significance for nozological diagnosis

- To know the principles of treatment of infectious diseases in the etiologic agent, premorbidity and complications.

- **Demonstrate ability:**

- To perform the clinical diagnosis of infectious diseases;

- To perform the differential diagnosis and its argumentation;

- Describe laboratory and instrumental data and their importance for the diagnosis of infectious diseases

- To prepare the clinical diagnosis (basic disease, complications and comorbidities);

- To draw up the personalized treatment plan (of the underlying disease and comorbidities) and its argumentation.

- **Apply:**

- Knowledge gained in addressing the patient with infectious disease;

- Diagnostic algorithm, differential diagnosis and treatment in case of emergencies;

- Knowledge gained in the analysis of case studies and practical work;

- The knowledge gained in optimizing therapeutic compliance

- Knowledge related to the preparation of the documentation (record sheet, transfer epicrisis, stage, discharge, extract from the observation sheet, etc.)

- **integrate:**

- knowledge in the fields of fundamental, preclinical and clinical ones

- in practice and everyday life knowledge of specific prophylaxis of infectious diseases;



## VII: PROFESSIONAL (SPECIFIC (SS) AND TRANSVERSAL (TS) SKILLS AND LEARNING OUTCOMES

- **Professional (specific) skills (SS)**

- ✓ SS.1 Acquiring skills for recognizing an infectious disease;
- ✓ SS.2 Knowing, understanding and using specific medical language
- ✓ SS.3 Correct and developed clinical diagnosis
- ✓ SS.4 Establishment of a laboratory and paraclinical investigation plan for correct therapeutic and prophylactic decisions
- ✓ SS.5 Preparation of medical documentation (observation sheet, transfer and discharge epics, extracted from the observation sheet)
- ✓ SS 6. Trace the measures of prophylactic transmission of infectious diseases in the professional activity.

- **Transversal skills (TS)**

- ✓ TS.1. Acquiring information on the role of the infectious disease specialist in the multidisciplinary team that will act in epidemic / pandemic situations
- ✓ TS2. Forming personal attitude
- ✓ TS3. Improving the relationship skills with patients with infectious diseases serious and very serious forms;

- **Learning outcomes**

**At the end of the course, the students will be able to:**

- Know the evolutionary features of infectious diseases;
- To know the methodology early diagnosis of infectious diseases;
- Understand the principles of clinical examination, laboratory and instrumental in the differential diagnosis of infectious diseases
- To know the peculiarities of the diagnostic algorithm for arguing a personalized etiopathogenic and symptomatic treatment;
- To make optimal decisions in emergency medical care of patients with infectious diseases in critical situations;
- To be able to new developments in itself daily to carry infectious diseases and clinical interdisciplinary synthesis (Microbiology, Epidemiology, etc.)

**CD 8.5.1 CURRICULUM DISCIPLINĂ****Redacția: 06****Data: 20.09.2017****Pag. 7/10****VIII. INDIVIDUAL WORK OF STUDENTS**

No.	Expected product	Work strategies	Assessment criteria	Period of accomplishment
1.	Work with information sources	Analysis and synthesis of the material studied on the subject. Reflection on the topic questions. Selection of additional information sources on the topic and its study. Reading the information carefully and describing the essentials. Generalizing and drawing conclusions on the topic/subject importance.	Ability to extract the essentials. Interpretative skills. Ability to analyze and communicate and discuss the material studied independently.	During the semester
2.	Case problem solving	Solving case problems, drawing conclusions and making arguments at the end of each practical work. Verification of outcomes and appreciation of outcome achievement. Selection of additional information, using websites and additional bibliography.	Quality of solving problems and clinical cases. Ability to formulate and interpret clinical and paraclinical data. Ability to analyze the selected information from national and international professional websites.	During the semester
3.	Schematic recording of instruments	Work with bibliographic sources in the systematization of instrumentarium for odontectomy	Assessment of accomplishment correctness.	During the semester
4	Examination of patients during practical work	Examen of patients, correct assessment of the data obtained from the patient's immediate examination, paraclinical data; learning tactics, differential diagnosis and individualized treatment	Correct formulation and argumentation of the patient's diagnosis, investigation plan and treatment	During the semester
5.	Creating projects	Preparing Power Point presentations on the information selected from the syllabus topics.	Assessment of selected material quality, project design and ability to reproduce the information.	During the semester





## IX. TEACHING- LEARNING-ASSESSMENT METHODOLOGY

### • *Teaching and learning methods*

In the teaching of Infectious Diseases, different teaching methods are used to learn and achieve the objectives of the didactic process, such as: lecture, practical lesson, clinical debate, problem solving, situation simulation, group and individual work methods, study of curriculum documents and the bibliography.

**Seminars** are based on widely used clinical and illustrative material (tables, diagrams, micrographs) and topic tests.

#### **Practical lessons are expected:**

- At the bed of patients, with the examination and discussion of the thematic patients, with the interpretation of the laboratory and paraclinical investigations, the estimation of the treatment schedule - Involvement of beneficiaries in the presentation of clinical cases with various infectious pathologies - Practical lessons in an interactive way by addressing the didactic strategy centered on active and interactive learning: multidirectional communication with formative skills training - At the end of each chapter, the lecturer makes a generalization.

### **Recommended learning methods**

• **Observation:** Determination of clinical and paraclinic particularities of infectious diseases with oropharyngeal lining.

• **Analysis** Highlight element. Studying each element as part of the whole

• **Infectious Disease Analysis.** Selecting the necessary information. Recognition and description of infectious diseases detected.

• **Classification.** Determining the criteria by which classification of infectious diseases should be performed.

• **Didactic and research activity** consists in the preparation by the beneficiaries of referral materials in the field of infectious diseases in children, illustrative materials, synthesis reports, participation with communications at clinical conferences, scientific-practical conferences etc.

• **Applied didactic strategies / technologies** (specific to the discipline)

Strategies (applied didactic technologies specific to the subject) Exposition, interactive lecture, group work, individual study, work with manual and scientific text, solving case-problem situations, simulation, interactive listening

• **Methods of assessment** (including an indication of how the final grade is calculated)

**Current:** Front and / or individual control by:

A. Applying docimological tests

B. Solving Problems / Exercises

C. Analysis of case studies

D. Making role plays on the topics discussed

E. Control work

**Final:** Differentiated Colloquium. The modality / final grade will consist of the average score of 2 control and individual work (share 0.4), final test in computerized system (share 0.3) and practical skills (share 0.3) .





**Scaling of marks for assessments  
Method of mark rounding**

Grid of intermediary marks (annual average mark, final examination mark)	Grading system	ECTS Equivalent
<b>1,00-3,00</b>	<b>2</b>	<b>F</b>
<b>3,01-4,99</b>	<b>4</b>	<b>FX</b>
<b>5,00</b>	<b>5</b>	<b>E</b>
<b>5,01-5,50</b>	<b>5,5</b>	
<b>5,51-6,00</b>	<b>6</b>	
<b>6,01-6,50</b>	<b>6,5</b>	<b>D</b>
<b>6,51-7,00</b>	<b>7</b>	
<b>7,01-7,50</b>	<b>7,5</b>	<b>C</b>
<b>7,51-8,00</b>	<b>8</b>	
<b>8,01-8,50</b>	<b>8,5</b>	
<b>8,51-8,00</b>	<b>9</b>	<b>B</b>
<b>9,01-9,50</b>	<b>9,5</b>	
<b>9,51-10,0</b>	<b>10</b>	<b>A</b>

The annual average mark and final examination marks (computer test, written test, oral test) will be expressed in numbers according to the grid of marks (see table above), while the final mark will be expressed in a number with two decimal digits, which will be recorded in the student's report card (gradebook).

***Note:** Students` unexcused absence at the final examination is qualified with „absent” and is equivalent to „0” (zero). The students have the right to retake the failed examination twice.*



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### ***V. Recommended literature:***

#### ***- A. compulsory:***

1. Harrison`s Infectious Diseases - Kasper D., Fauci A. – 2013.
2. Infectious Diseases eMedicine [http://emedicine.medscape.com/infectious\\_diseases](http://emedicine.medscape.com/infectious_diseases)
3. Support to the practice: www.usmf.md
4. Cupsa, Augustin. Boli infecțioase transmisibile: curs universitar cu recomandări pentru activitățile practice.- Craiova, 2007.
5. Boli infecțioase / Sub red. I. Rebedea, N. Tofan.- Buc.: Ed. Med., 2000.
6. Chiotan, M. Boli infecțioase.- București: Ed. Național, 2011
7. Boli infecțioase la copii: (ghid practic pentru studenți) / sub red.: Galina Rusu USMF "Nicolae Testemițanu 2015.
8. Galina Rusu (redacția). Manual. Boli infecțioase la copii, Chișinău, 2012

#### ***B. Supplimentary:***

1. Инфекционные болезни и эпидемиология: учебник для студентов лечебных факультетов медицинских вузов / В. И. Покровский, С. Г. Пак, Н. И. Брико, Б. К. Данилкин.- М., 2008.
2. Шувалова, Е.П. Инфекционные болезни: Учебник для ст. мед. вузов.- 7-е изд., перер. и доп.- С.П., СпецЛит, 2015.
3. Protocoale Clinice Naționale reactualizate