

# FACULTY OF MEDICINE

Approved:  
Dean of Faculty of Medicine:  
/Prof. Yoto Yotov, MD, PhD/



## SCHEDULE FOR PREGRADUATE INTERSHIP OF “INFECTIOUS DISEASES, EPIDEMIOLOGY, HYGIENE AND SOCIAL MEDICINE”

Specialty	Medicine
Educational-qualification degree	Master
Organizational form of training	Full-time education
Duration (days)	35 days (149 hours)
Credits (ECTS), total (Practice/Exam)	8 (5/3)
Type of the discipline	Compulsory
Year of study	Six
State exam	Yes
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Varna, 2023

## Module: INFECTIOUS DISEASES

### ANNOTATION

<b>Aim of the pre-graduate internship</b>	<p><b>The pre-graduate internship aims to introduce different infectious diseases to the students in their sixth grade of education. The actual program is focused to classic, extremely dangerous, emerging and re-emerging infectious diseases. All the specific characteristic in the endemicity, etiologic diagnosis, differential-diagnosis and therapeutic strategies are accurately marked.</b></p> <p>The educational program is in accordance with the wide distribution of infectious diseases and also, in accordance with the fact, that such kind of pathology is every day registered by general practitioners.</p>
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<b>Results for the students at the end of the education:</b>	
<b>Knowledges</b>	At the end of the internship course – all of the students will be able to deal with the main diagnostic and differential diagnostic problems of infectious pathology, as well as the treatment and prevention measures. As a result of the acquired knowledge and skills in the field of infectious diseases, the master doctor can take on the responsibilities expected of him in the health care system in the fight against contagious and non-contagious infectious diseases and according to the attitude to prevention.
<b>Skills</b>	<p>During their training, each student must acquire the following practical knowledge and skills:</p> <ol style="list-style-type: none"><li>1. Taking the anamnesis of an infectious patient. General examination of infectious patients - children and adults.</li><li>2. Getting acquainted with the rules of pre-hospital outpatient work with infectious patients and suspected infectious diseases.</li><li>3. Assessing the need for hospitalization of infectious patients.</li><li>4. Collection of materials for biochemical, morphological, bacteriological, virological research. Methods of collection, storage, transportation to the relevant laboratories.</li><li>5. Keeping the hospital documentation of the hospitalized patients. Justification of the diagnosis. Differential diagnostic plan.</li><li>6. Development of a plan for therapeutic strategies in patients with the most common infectious diseases in the country, including diet, nutrition, etiological, pathogenetic, symptomatic treatment.</li><li>7. Recognition of emergencies in the specialty and mastering of certain models for monitoring and therapy in patients in need of intensive treatment and care.</li></ol>



	<p>8. Principles of medical examination in certain groups of infectious diseases.</p> <p>9. Performing some medical and diagnostic manipulations in infectious patients / measurement and registration of various indicators, injection manipulations, work with closed systems, etc. /</p> <p>10. Introduction to the concepts of "especially dangerous infections" "emerging and re-emerging infections", "infectious diseases as biological weapons" and basic organizational measures to limit them.</p> <p>11. Basic knowledge in risk groups of patients with infectious diseases - adults, infants, pregnant women and people with immune deficiency.</p>
<b>Medical competencies that the undergraduate internship develops:</b>	
<p><b>1. Patient care</b> that is compassionate, appropriate and effective for the treatment of contagious and non-contagious infectious diseases and for the protection of public health.</p> <p>Within this competence, medics must be able to:</p> <ul style="list-style-type: none"> <li>• Collect important and accurate information about the patient and his complaints.</li> <li>• To consult patients and their family members.</li> <li>• To know the indications for the application of the necessary diagnostic and therapeutic procedures.</li> <li>• To inform about the necessary diagnostic and therapeutic procedures in a language appropriate for the patients and the persons caring for them.</li> <li>• Understand the impact of the procedure on patients and their families.</li> <li>• To competently perform all medical procedures required within their practice.</li> <li>• Perform the procedures in a way that provides maximum patient comfort.</li> <li>• To make informed diagnostic and therapeutic decisions.</li> <li>• Prescribe and perform basic medical procedures.</li> <li>• Provide effective prescriptions for health management, maintenance and prevention.</li> </ul>	
<p><b>2. Medical knowledge</b> of established and evolving biomedical, clinical and related (eg epidemiological and socio-behavioral) sciences and the application of this knowledge to patient care.</p> <p>Within this competence, medics must be able to:</p> <ul style="list-style-type: none"> <li>• To acquire new scientific and clinical knowledge.</li> <li>• Apply a research and analytical approach to solving clinical and scientific problems.</li> <li>• Apply medical and scientific knowledge in clinical situations.</li> <li>• To teach others.</li> </ul>	
<p><b>3. Practical training and self-improvement</b>, which includes research and evaluation of their own care for patients, evaluation and assimilation of scientific evidence, and improvements in the care of the infectious patient.</p> <p>Within this competence, medics must be able to:</p> <p>Research and evaluate patient care practices (including their own).</p> <ul style="list-style-type: none"> <li>• Evaluate and assimilate scientific evidence,</li> <li>• Apply evidence-based medicine.</li> <li>• To improve medical practice.</li> </ul>	
<p><b>4. Interpersonal and communication</b> skills that ensure effective exchange of information and teamwork with patients, their families and other health professionals.</p> <p>Within this competence, medics must be able to:</p> <ul style="list-style-type: none"> <li>• To create and maintain a therapeutic relationship with patients and their families.</li> </ul>	



- Work effectively as a member of a healthcare team.
- To lead a health team.

5. **Professionalism** shown through a commitment to professional responsibilities, adherence to ethical principles and sensitivity to diverse groups of patients.

Within this competence, medics must be able to:

- Demonstrate professional conduct and responsibility.
- Demonstrate humanism and cultural competence.
- Maintain emotional, physical and mental health.
- To strive for continuous personal and professional growth.

6. **System-oriented practice**, which is manifested through actions that demonstrate awareness and responsiveness in the broader context of the health care system, as well as the ability to effectively use systemic resources to provide optimal care.

Within this competence, medics must be able to:

- To work effectively in different environments and systems for providing health care to patients with contagious and non-contagious infectious diseases.
- To coordinate the care of patients within the health care system related to their clinical specialty.
- Analyze the risks and benefits of patient and / or population care, where appropriate.
- Take into account in their practice the costs of care for the patient and / or the population, where appropriate.
- Advocate for quality patient care and optimal patient care systems.
- To work in interdisciplinary teams to increase patient safety and improve the quality of care for them.
- Participate in the identification of system errors and in the implementation of potential system solutions.

#### **Teaching methods:**

- seminars,
- practical exercises,
- solving practical and creative tasks, cases,
- consultations,
- discussions,
- work with scientific literature, normative documents, databases, analyzes,
- presentations,
- work with supervised patients,
- writing medical documentation.

#### **Relationship with disciplines from the curriculum of the specialty:**

- epidemiology
- microbiology and virology
- parasitology
- internal diseases

- children's diseases
- surgery
- AG
- hygiene
- social medicine

## **REGULATIONS FOR CONDUCTING THE UNDERGRADUATE INTERNSHIP**

The undergraduate internship in infectious diseases is conducted in the clinics of infectious diseases of the University Hospital "St. Marina", within 18 working days. The duration of the working day for trainee doctors is 7 hours: from 8 am to 3 pm. At the beginning of the internship there is always an introductory meeting with the Head of the training sector and the intern - the doctors are informed in detail about the rules and organization of the internship. There is a journal of the trainee doctor, where the presence of the trainee doctor is registered.

The trainees are assigned to jobs in the two infectious disease clinics, they attend the morning medical reports, visit the attending physicians, participate in the main visits with the heads of the clinics, participate in the discussion of clinical cases and consultations, participate in discussions, work with patients under the supervision of doctors-teachers, take part in writing medical documentation, are trained to work with scientific literature, regulations, database and analysis.

Trainee - doctors are involved in taking materials for biochemical, morphological, bacteriological, virological and others. research, as well as in performing some medical and diagnostic manipulations in infectious patients / measurement and registration of various indicators, injection manipulations, work with closed systems, placement of a nasogastric tube, imposition of a urethral catheter, etc. /.

They get acquainted with the rules of pre-hospital outpatient work with infectious patients and suspected infectious diseases, as well as with the principles of medical examination for certain groups of infectious diseases. During the internship special attention is paid to the recognition of emergencies in infectology and the acquisition of certain models for monitoring, behavior and therapy in patients in need of intensive care and care.

In addition to the practical work in the clinics next to the "patient's bed", during the internship in infectious diseases there are seminars with teachers on major sections of infectious diseases and on questions and topics raised by the interns themselves. Organized and conducted in this way the undergraduate internship of trainee doctors provides them with high professional training in the field of infectology, improves the practical knowledge and skills acquired during their studies and prepares them for independent solving of organizational, preventive, diagnostic, therapeutic and other professional tasks. when encountering contagious and non-contagious infectious diseases.