

UNIVERSITY "PROF. DR. ASSEN ZLATAROV" - BURGAS

I CONFIRM:

CHANCELLOR.....

PROF. DR. MAGDALENA MITKOVA

QUALIFICATION CHARACTERISTIC

SPECIALITY: „MEDICINE“

EDUCATIONAL AND QUALIFICATION DEGREE "MASTER"

SPECIALITY: 7.1 „MEDICINE“

FIELD OF HIGHER EDUCATION: 7. „HEALTH CARE AND SPORTS“

TERM OF STUDY: 6 YEARS

FORM OF EDUCATION: FULL-TIME

The qualification specification is an essential document for planning, organising and managing the learning process. It defines the professional purpose of graduates of higher medical education in Medicine with the educational-qualification degree "Master" and professional qualification - doctor, as well as their opportunities for realization.

Medical education is conducted only in full-time form and lasts 6 years, according to the curriculum and programmes approved by the Faculty Council. They are prepared in accordance with the uniform state requirements (Decree of the Council of Ministers No 245 of 16/11/2005) and European Directive 2005-36, which define the content of professional competence and the types of activities that must be carried out by the recipient of the university diploma "Master" with professional qualification - doctor, namely:

- a) sufficient knowledge of the sciences on which medicine is based and a sound understanding of the scientific methods, including the principles of measurement of biological functions, the evaluation of scientifically established facts and the analysis of data;

- b) sufficient understanding of the structure, function and behaviour of the healthy and ill individual, and the relationship between the person's health and his/her physical and social environment;
- c) sufficient knowledge of clinical disciplines and practice to enable him to form a comprehensive view of mental and physical illness, of medicine in terms of prevention, diagnosis and treatment, and of human reproduction;
- d) Sufficient clinical experience working in hospitals under appropriate supervision.

Any change in the regulatory framework that relates to the training requirements and competencies of newly qualified doctors is reflected in this core document. In this context, the Qualifications Characteristics is an open document that is subject to updating depending on healthcare reforms and the needs of the users of medical staff.

The medical education is a continuous process of mastering the structure and basic biological, biochemical and physiological processes occurring in the normal structures of the human organism. This basic knowledge is built upon by the study of pathological changes and processes in the human organism. In the integral thinking of the physician, these processes must find a synthetic approach for the application of the appropriate treatment.

Based on this concept, the curriculum and the syllabus are built on the principle of interrelation, integrity and sequence in the accumulation of knowledge and skills in the study of the basic medical disciplines.

Training in the specialty "Medicine" is carried out in three directions- fundamental training, specialized theoretical training and practical medical training, with the aim of knowledge of:

1. Basic biochemical, genetic, molecular and cellular mechanisms of normal development, structure and function of the body as a whole and organs.
2. The normal psychosocial development of the individual from birth to old age.
3. The role of the microbiome, nutrition, lifestyle, and preventive medicine.
4. Etiology of diseases - biological and non-biological causes.
5. The epidemiology of the most common diseases.
6. Clinical, laboratory, imaging and pathological manifestations of diseases.
7. Pathophysiology of the major diseases.
8. The various pharmacological, surgical, and psychological treatments of major infectious and non-infectious, somatic and psychiatric diseases, including pain management, adjuvant and alternative treatments, and side effects.

9. Palliative care of patients in terminal condition.
10. Variants of clinical course, prognosis and treatment in childhood and old age.
11. Ethical principles of the doctor/patient relationship.
12. Personalized medicine and the role of prevention.
12. Organization, financing and delivery of public health care.

The training in the specialty "Medicine" at the Faculty of Medicine (MF) at Prof. Dr. Assen Zlatarov University - Burgas is conducted within 10 semesters and 12 months of clinical practice only in full-time form according to the curriculum, semester plans and detailed curricula approved by the Faculty Council.

MF graduates will have fundamental and specialized medical knowledge and skills and will be able to:

1. Perform patient consultation (Take an accurate and complete medical and psychosocial history of the disease; Perform organ-specific examination of somatic, neurological and psychological status in all age groups; Make clinical assessment and make appropriate decisions; Make clarification and give recommendation; Create a sense of security and provide support; Assess the mental state of the patient).

2. Evaluate the clinical picture, order investigations, make a differential diagnosis and discuss the treatment plan (Recognize patients with acute, life-threatening conditions, perform procedures to stabilize the condition, initiate initial treatment and plan its next stages; Assign adequate investigations to patients with presumptive diagnosis, interpret the results of basic screening tests, diagnostic procedures and laboratory data and correlate them with specific clinical presentation; Formulate an appropriate diagnostic plan, achieve a meaningful differential and working diagnosis, and develop a treatment plan; Discuss an adequate treatment plan with patients and the team; Care for a dying patient, respectively their relatives; Know how to treat chronic diseases).

3. Provide emergency care for emergency conditions, including first aid and resuscitation (Recognize and assess emergency medical conditions; Treat emergency conditions; Provide basic first aid; Perform basic life support and cardiopulmonary resuscitation according to good medical practice requirements; Perform treatment of traumatic conditions according to requirements).

4. Prescribe medications (Clearly and accurately; Select appropriate medications or other treatment according to clinical course; Analyze adequacy of treatment and assess potential benefits and risks; Treat patient's pain and suffering).

5. Perform various manipulations (Measure blood pressure; Venipuncture (phlebotomy); Insert intravenous catheter; Administer intravenous therapy and operate infusion systems; Subcutaneous and intramuscular injection; Administer oxygen; Mobilize, immobilize and transport patients according to illness; Perform surgical suturing of wound; Perform blood transfusion; Catheterize bladder; Urine analysis; Electrocardiogram; Basic respiratory tests).

6. Communicate successfully in medical contexts (Communicate with patients; Communicate with colleagues; Know how to deliver bad news; Communicate with patient's relatives; Communicate with people with disabilities; Communicate when informed consent is obtained from the patient or their relatives; Communicate in writing (including medical records); Communicate in conditions of patient and relative aggression; Communicate by telephone; Communicate with patients who need an interpreter).

7. Apply ethical and legal principles in medical practice (Maintain confidentiality; Apply ethical principles and assessment in clinical practice; Certify death, complete death certificate; Appoint autopsy; Apply national and European law in clinical practice).

8. Evaluate psychological and social aspects of illness (Evaluate psychological factors in the clinical course and impact on illness; Evaluate social factors in the clinical course and impact on illness; Identify stress conditions due to illness; Identify alcohol and drug abuse and dependence conditions).

9. Apply the principles and competencies of evidence-based medicine (Apply evidence in clinical practice; Define and perform the necessary literature review on a specific problem; Critically evaluate publications from the medical literature).

10. Use information and Information Technology in a medical context (Keep accurate and complete medical records; Use computers and/or other IT technologies; Use medical equipment; Use specialist software for administrative and medical needs; Access necessary information sources; Store and reproduce information).

11. Apply scientific principles, methods and knowledge in medical practice and research

12. Contribute to the better health of the nation, engage in public health care system issues (Provide health care that minimizes risks of patient harm; Implement measures to prevent the spread of infection; Know their own health needs well and ensure that their health does not interfere with the performance of professional medical duties; Comply with professional standards and certifications for the practice of the profession).

13. Medical professionalism. Professional qualities - integrity, honesty, ethics, altruism and responsibility, putting the patient's needs above his/her own. Adherence to standards of good medical practice, striving for quality. Exemplary performance of duties and discipline in the

workplace. Ability to be critical and self-critical in the analysis of biomedical literature and in clinical practice. Creativity. Initiative, will to succeed. Interpersonal communication skills.

14. Professional activity - Capacity to assess the limits of one's own professional competence and the attitude to seek advice and help from the practitioner. Ability to cope with uncertainty and to adapt to new situations. Ability to guide others. Ability to work independently when necessary. Ability to solve problems. Ability to make decisions. Ability to work in a multidisciplinary team. Ability to communicate with experts from other disciplines. Capacity to organize and plan (including personal and professional time).

15. The doctor as an expert - Ability to perform analysis and synthesis. Ability to learn (including continuing self-learning), to keep abreast of new developments in own field, to maintain and develop professional skills. Ability to apply new developments and knowledge in practice. Ability to train others - if the doctor has teaching duties, he/she should develop the skills and abilities of a competent teacher. Ability to conduct research. Understanding and tolerance of human diversity, multiculturalism and religious affiliation. Ability to work internationally. Fluency in a second language(s). General knowledge outside the medical field.

This professional competence will allow future doctors to: continue their medical education through the system of specialization and to obtain a specific medical specialty; continue their studies at the doctoral level through various types of doctoral trainings, according to their scientific interests; apply and work as research and teaching staff at medical universities or other universities and research institutes, according to their abilities and skills.

Approved by the AC Protocol № 52/26.01.2023