

## **Profile of a graduate of the 3rd degree of the Dentistry study program, Dentistry, the the Jessenius Faculty of Medicine in Martin, Comenius University Bratislava**

The graduate applies scientific methods of basic and applied research in the relevant field of general medicine, anatomy, histology and embryology, normal and pathological physiology, internal medicine, epidemiology, hygiene, public health, surgery, radiology and radiology, gynecology and obstetrics, pediatrics neurology , dermatovenerology, ophthalmology, oncology, otorhinolaryngology, sports medicine, toxicology, nuclear medicine, anesthesiology and intensive care medicine, pathological anatomy and forensic medicine, orthopedics, urology, physiatry, balneology and medical rehabilitation biology, biomediology and medical rehabilitation , medical neurosciences and microbiology. He has extensive expertise in many areas of the field of study, which enables him to carry out research and development in areas of his professional interest to contribute to the expansion and creation of new knowledge in the fields of diagnostics, therapy and disease prevention.

The graduate is able to formulate new hypotheses and strategies for further research and development in the field of dentistry. He applies his own findings of his theoretical analysis and his comprehensive scientific research in solving problems in this area. Based on its outputs and findings, it designs, verifies and implements new research and working procedures. He practically applies selected research methods and uses them in the search for new technologies, treatments and important interactive systemic links, especially in the field of oral and general health.

The graduate is characterized by independent, critical and analytical thinking, which he applies in changing conditions. It independently presents the results of research and development to the professional community in the Slovak Republic and abroad. It takes into account social, scientific and ethical aspects when formulating research intentions and interpreting research results. It sets the focus of research and coordinates the team in its field of science.

The graduate

- has a deep theoretical knowledge, based on the current state of scientific knowledge in embryology, anatomy and physiology of the dental system and the oro-maxillo-facial area, pathology, pathophysiology, pathogenesis, epidemiology, etiology, diagnosis and treatment of congenital, acquired diseases and injuries in the oro-maxillo-facial area.
- is capable of independent scientific work and brings his/her own solutions to problems in the field of dentistry,
- knows masters research methods in the field of dentistry, in particular with a focus on clinical and clinical-epidemiological research methods.
- knows critically evaluate the level of evidence in preclinical and clinical studies,
- assess the ethical aspects of scientific work on animals and patients
- knows analyse and synthesize knowledge from the available literature into the form of a critical overview article
- can prepare the basis for the original scientific or clinical study (defining the hypothesis, objectives, methods, structure of results and comparing them with other authors, aggregation of conclusions).