

Historical development and contribution of CT as an investigative method

My baccalaureate work is divided into several parts. At the beginning I deal with the history of computed tomography, where I mention the names of physicists to whom the discovery of tomography is attributed. Further, I describe the structure of a computed tomograph, which is almost the same for all apparatuses, only to be perfected. It is perceptible that in separate generations of CT apparatuses, step by step, the number of detectors increases and the investigations become more convenient and economical in terms of radiation dose. Then, I describe the application of contrast media, their forms, types, and functions. The work concludes with a summary of radiation dose for patients, the scope of employment for a radiological assistant in the workplace of a computer tomograph, and a final characterization of computed tomography with dual energy radiation.