

This theme is very extensive and space for writing about it is limited in my bachelor's work. I targeted the work on role of radiology assistant by doing individual investigations. At the beginning of my bachelor's work anatomy of musculoskeletal system and her passive and active parts are described. Then I would like to give details of main investigation's methods of musculoskeletal system, describe situation of the indication and differences in displaying various part of musculoskeletal system. In the next part of my bachelor's work I wrote more details about basic principles of the main methods, indications and contraindications of the main methods, role of radiology assistant by using one of the main methods and benefits and disadvantages these main methods. At the end of my bachelor's work I compared role of radiology assistant doing the investigation with using the different main methods (as CT, MR, X-ray, sonography, scintigraphy) and time, physical and technical intensity of the methods. Research comparing of knee – joint's investigations with using three methods of the main methods is too the part of my bachelor's work. I selected investigation of knee – joint because of it is a typical investigation of musculoskeletal system. Research comparing of knee – joint's investigations expertise role of radiology assistant doing the investigation with using the different main methods. In my bachelor's work I used the methods of analysis, synthesis, induction, deduction, description, sighting and comparing.