

This thesis deals with problematics of total knee arthroplasty (TKA) in a complex range. It is divided into two parts – the general one and the special one. The general part of the thesis targets on theoretical knowledge of the anatomy and kinesiology of the knee joint, knee arthritis and TKA as the most performed method of therapeutic intervention in advanced stages of knee arthritis. Secondly, the special part contains the case study of the physiotherapeutic treatment in patient after TKA. Non-invasive methods and approaches in a range of the knowledge of the bachelor's studies on the Faculty of Physical Education and Sport, Charles University, were used during the physiotherapeutic treatment. Improvement of the patient's clinical status in almost all sections was the result of the physiotherapeutic intervention.