

## **ABSTRACT**

The bachelor thesis is focused on the nursing care of the patient with chronic lower limb ischemia which is already well-known disease among the population. It has been reported that this disease affects 3-6% of the population of the Czech Republic aged 60 and above.

The case study is focused on a patient J.K. who is repeatedly treated for chronic lower limb ischemia and its complications. From the nursing point of view, the complications of this illness are serious and it is important to observe them in order to prevent further complications.

The bachelor thesis sets out several goals. First of all, the goal is to elaborate an overview of analgesics and finding out their effectiveness using pain-rating scales. Furthermore this goal is also observing patient's understanding of using the pain-rating scale and also aims to achieve pain relief. The second aim of the thesis is the evaluation of patient's surgical wounds and chronic defects of the left lower limb. It involves the recording of the binding procedures and justification of the individual bundling materials used. This section contains photo documentation and comparison of different solutions to these nursing problems in other hospital facilities.

The theoretical part summarizes the general knowledge about anatomy, morphology, and pathology of the arterial flow, with emphasis on chronic lower limb ischemia. The practical part includes detailed information about patient's hospitalization from the moment of admission to the point of release as well as after it. It contains a detailed description of the entire hospitalization and surgery itself and also nursing issues related to evaluation and relief of pain. It also describes the care of newly created surgical wounds and of chronic defects.

Methods of pain exploration were observations, evaluation of the type of pain, strength and comparison of the efficacy of various analgesics. Methods in examining wound care and wounds in the lower limbs were observations, photo documentation, evaluation of therapy results.

**Keywords: Chronic lower limb ischemia, Pain, Wound healing, Nursing Care**