

An exercise-induced leg pain resulting from chronic overloading is a common condition affecting physically active population. This bachelor thesis gives an overview of recent knowledge in differential diagnosis of a chronic lower leg pain. Theoretic aspects deal with three main conditions with the highest incidence, including stress fractures, medial tibial stress syndrome and chronic exertional compartment syndrome. Particular chapters describe the difference in the epidemiology, aetiology, clinical presentation and risk factors. The diagnostic methods and treatment options are mentioned in the next chapter.

In addition to theoretic aspects a retrospective study is part of this thesis. The research study the incidence of the lower leg pain among athletes. In contrast to theoretic part we concern about nonspecific lower leg pain in this research. At the same time we research a presence of risk factors and their effect on pathogenesis of the lower leg pain.