

## **ABSTRACT**

Charles University in Prague, Faculty of Pharmacy in Hradec Králové

Department of Biological and Medical Studies

Supervisor: **PhDr. Zděnka Kudláčková, Ph.D.**

Candidate: **Mirka Dohnalová**

Title of Diploma thesis: **Etiopathogenesis of Kidney Failure**

**Introduction:** A kidney failure is a state that accompanies a number civilization illnesses. This illness arises mostly from badly compensated diabetes mellitus, hypertension, obesity or from the influence of unwanted effects caused by some medicaments and toxins. An important precaution in the treatment of renal insufficiency is well-timed and proper treatment. It contributes to reduce other possible complications.

**The aim of the thesis:** The aim of the thesis was to evaluate effects of individual risk factors on the function of the kidneys. This result has been given by health database.

**Methods:** We collected information using a questionnaire method and collected from a medical database.

**Conclusion:** According to our results, the most risky group is the group of patients with high blood pressure, high cholesterol and diabetes. These patients have a higher risk of renal failure. Other causes of this disease include unhealthy lifestyle, limited physical activity and smoking.

**Key words:** causes, kidney failure