

## **Abstract**

This theses is a study of the relationship between certain HLA alleles and coeliac disease. I am concentrating on individuals with a predisposition to coeliac disease and the link between these and the presence of particular alleles.

In the theoretical part of the theses I'm describing the structure of the HLA system and the association of HLA with the disease. Furthermore I am concentrating on characteristics of the disease and possibilities of its diagnoses.

In the practical part I describe in detail the molecular-genetical examination of coeliac disease. I asses the presence of predisposed alleles for this disease in patients from The II. Internal Gastroenterology Clinic , The Children's Clinic of Faculty Hospital in Hradec Kralove and other gastroenterology clinics in the region.