

## **Abstract:**

Kateřina Siegllová

Detection of circulating antibodies to determination of autoimmuno diseases by means of imunofluorescence.

Bachelor thesis

Charles University in Prague, Faculty of Pharmacy in Hradec Králové

Medical Laboratory Technician

**Background:** The aim of this thesis is to explore of coherence between the presence of antibody against anti brush border antibody (ABBA) and idiopatic bowel disease (Crohn's disease and ulcerative colitis).

**Methods:** Evidence of connection idiopatic bowel disease with positive ABBA test is examine by two perspectives, which are used for selecting and comparising of data. The first way is comparison of the number ABBA positive patients with their diagnosis of endoscopic biopsy. The second way check the positivity or negativity of ABBA examination of all patients with diagnose of idiopatic bowel disease. Experimental part summarize by this way the results, which was done at the Fingerland institute of pathology since 2009 to 2011.

**Results:** The survey showed that among all the ABBA-positive patients is a large group of those who don't have the morphological signs of Inflammatory Bowel Disease - 72,47%. 66.67% of patients with a clinical diagnosis of Crohn's disease, and 39.37% of patients with ulcerative colitis are ABBA positive.

**Conclusion:** The results shows, that ABBA positive patient suffer from Crohn's disease 1,7 times more often than ulcerative colitis. However, patient with the highest level of positive semiquantitative evaluation (+ + +) suffer 3,7 times more likely from Crohn's disease than ulcerative colitis. On the other side, patient with negative ABBA test suffer 1,8 times more likely from ulcerative colitis.