

The theme of my thesis I have chosen with regard to its long-term interest in the field of diabetology and related diseases lifestyle. The increasing prevalence of obesity and diabetes II. type leads to study their pathogenetic relations. As the prospective in this regard, research shows adipocytokines, ie substances produced white adipose tissue. Adipose tissue is growing even after the physical growth and as one of the largest endocrine organs and adipocytokines released into the circulation can have serious systemic effects. It also appears that obese adipose tissue is in a state of chronic mild inflammation and weight reduction, this inflammatory condition and its complications (mainly CVS) accordingly. Relationship adipocytokines and insulin resistance Thus the development of diabetes II. type with emphasis on changes in their levels occur during weight loss, is the subject of this work.