

Abstract

The Bachelor's thesis deals with the elevated level of glucocorticoid hormones and their effect on bone tissue. In particular, reasons which cause hypercorticoisms in human body genetic diseases, tumors, autoimmune diseases, and so forth, are described in detail. Asthma and other diseases are treated by glucocorticoid and increase hypercorticoism. This autoimmune disease are treated by glucocorticoid and increase the hypercorticoism. Therefore, this thesis focuses on research process consists of multiple scientific studies including the impact of glucocorticoid hormones on bone tissue, endocrine system hypothalamus-hypophyse-IGF-I and influence of endocrine system on child's growth. The main benefit of the Bachelor's thesis is the description of the outcome of inhalation glucocorticoid hormones on body height in childhood.