

Abstract

This thesis focuses on effects of thyroid and adrenal hormones on mental functions, especially on cognitive functions and emotions. In the case of adrenal hormones it will also focus on stress and burnout syndrome, which are not considered as mental functions, but are connected to both psyche and the above mentioned hormones. The text is divided into two parts. The first, theoretical part deals with the anatomy and histology of these two organs, hormones that they produce and their influence on overall physical condition and pathology. The main section of this theoretical part deals with the description of influence of thyroid hormones and adrenal glands on the above mentioned mental functions. This work is based on both earlier and contemporary research, but predominantly on foreign research. In the second, empirical part, a proposal for longitudinal study of cortisol and thyroxine levels during depression treatment is presented.

Klíčová slova:

Hormones, thyroid gland, adrenal gland, mental functions, cognitive functions, emotions, stress, cortisol, thyroxine