EVALUATION OF ENDOCRINE FUNCTION

Drpljanin A Janikevik - Ivanovska D.
Institute of Clinical Biochemistry Skopje
Republic of Macedonia
Azra.drpljanin@live.com

ABSTRACT

Introduction: Determination of endocrine function or level of sex hormones: estrogen and progesterone in the blood in women and testosterone in men contributes to the evaluation of different states, flattening of great importance for the monitoring and diagnosis of different other pathological conditions. Increased secretion of sex hormones related to the endocrine system dysfunction, especially pituitary and adrenal glands.
Objective: The objective of this study was to assess the secretion of endocrine function and their importance leading to distortions in physiological activity.
Method: Chemiluminescence - two- stepping method, of immunochemical analyzer Immulite 2000 .

Results: The survey results indicate that the level of sex hormones and their functional dependence is due to deregulations of the hypothalamic - pituitary axis and the mechanisms that caused physiological changes in humans . Secretion of hormones is supervised by the pituitary gland, pituitary and hypothalamus supervised and there is a negative feedback loop between the concentration of sex hormones and the secretion of pituitary hormones and hypothalamic.
The obtained results correlate with the state and prognosis of the disease.
Studies on the level of sex hormones contribute to determining the stages of menopause, assessment of infertility or menstrual problems, tracking woman in puerperium, contribute to the diagnosis of tumors in the monitoring of feminization in men, assessment of sexual maturation, monitoring of sexual dysfunction, other conditions
Conclusion: Early detection of pathological results indicates the degree of complications and their prognostic significance .
Keywords: endocrine function, estrogen progesterone, testosterone, sex hormone.