

ABSTRACT

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Thesis title: Determination of ovarian function parameters

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The levels of hormones that control of ovaria are important markers of development and health status of the female organism. Laboratory examination and correct interpretation of the results are important for proper diagnostic procedures. Among the hormones of ovarian function, the level of estradiol, progesterone, luteinizing and follicle-stimulating hormones is most often tested. Separation and immunochemical methods are used. For common clinical practice, immunochemical methods are particularly suitable due to their availability, relative accuracy, unpretentiousness, and speed of processing. The impossibility of standardizing individual methodological approaches represents the shortcoming of these methods. A series of examinations and interpretation of results can be performed using immunochemical methods only within one workplace.

Keywords: estradiol, immunochemical methods, ECLIA, CMIA, RIA