

ABSTRACT

Title

The influence of muscle tonus with hormonal contraception

Objective

The thesis aims to determine whether and to what extent the use of hormonal contraception affects muscle tension, which can vary depending on the current phase of the menstrual cycle in women.

Method

The thesis is divided into theoretical part where there is a summary of information on this topic from the literature Czech and world, a special part that is treated as research using noninvasive myotonometer. The measurement is performed in 12 probands four times in four weeks, always at some stage of their menstrual cycle. The measurement results are compared between the two groups by probands and is found to influence hormonal contraceptives on muscle tension during the menstrual cycle.

Results

Measurement myotonometer shows that hormonal contraceptive use affects muscle tension. The measurement results show a stable and predictable changes in fluctuating muscle tension in probands who use hormonal contraceptives, but the rate changes are subject to interpersonal differences, and these results can not give a general opinion.

Key words

Menstrual cycle, hormonal contraception, muscle tension, myotonometer