

STUDYING THE INDIVIDUAL MODIFICATION OF THE OVARIES OF THE WOMEN DURING INTENSIVE BODY HEIGHT OF GENITALS

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Abstract: at girls from 13 to 23 years length of the right ovary to a menses at a left-side ovulation is enlarged on average by 5,4 mm, left by 7,65 mm; to a menses at a right-hand ovulation respectively: on 5,8 and 6,2 mm; the forward-back size – on 3,2 and 3,6 mm; on 2,7 and 3,6 mm, width is enlarged by 3,1 and 3,5 mm; on 3,55 and 2,8 mm, and volume is enlarged by 1,9 and 4,0 mm³; on 1,7 and 1,9 mm³. Intensive body height of length of ovaries to a menses at right-hand and left-side ovulations is observed in 14, 19, 20 years, width to a menses at a left-side ovulation is enlarged on the right in 14, 16 years, at the left in 14, 18 years. To a menses at a right-hand ovulation it is enlarged in 14, 18, 21 and in 18, 21 years; forward-back size, respectively: in 15 and 14, 15 years; in 14, 16, 20 and 15, 20 years.

Keywords: women, ovary, age, ultrasonic diagnostics, modification.

ИЗУЧЕНИЕ ЭХОПАРАМЕТРОВ ЯИЧНИКОВ ЖЕНЩИН В ПЕРИОД ИНТЕНСИВНОГО РОСТА ПОЛОВЫХ ОРГАНОВ

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Аннотация: у девушек от 13 до 23 лет длина правого яичника до менструации при левосторонней овуляции увеличивается в среднем на 5,4 мм, левого - на 7,65 мм; до менструации при правосторонней овуляции соответственно: на 5,8 и 6,2 мм; передний-задний размер – на 3,2 и 3,6 мм; на 2,7 и 3,6 мм, ширина увеличивается на 3,1 и 3,5 мм; на 3,55 и 2,8 мм, а объём увеличивается на 1,9 и 4,0 мм³; на 1,7 и 1,9 мм³. Интенсивный рост длины яичников до менструации при правосторонней и левосторонней овуляциях наблюдается в 14, 19, 20 лет, ширина до менструации при левосторонней овуляции увеличивается справа в 14, 16 лет, слева в 14, 18 лет. До менструации при правосторонней овуляции увеличивается в 14, 18, 21 и в 18, 21 лет; передний-задний размер, соответственно: в 15 и 14, 15 лет; в 14, 16, 20 и 15, 20 лет.

Ключевые слова: женщины, яичник, возраст, ультразвуковая диагностика, эхопараметры.

It is known that development of diagnostic technologies the increasing practical value gets now studying of the individual modification of ovaries at teenage and youthful age, namely during intensive body height of female genitals [1, 2].

However, it is necessary to notice what in the works devoted to ultrasonic parameters of ovaries is normal at girls from 13 to 23 years, are insufficiently lit in literature [3]. Therefore, the lack of standard indicators of the individual modification of ovaries in age aspect at girls of genesial age normal is an essential gap in the correct

interpreting of results of a research of the female genitals received by an echolocation method [4]. Thus, a research objective is studying of the normal ultrasonic sizes of ovaries at girls from 13 to 23 years.

385 echograms which were received at routine inspection in the city of Chartak of the Namangan region were material of a research. Researchers are conducted at girls with a regular menstrual cycle in 28-29 bottom and with lack of any changes in ovaries. For exercise of goals the ultrasonic device "Cheyson Ultrasonography" was used (firms Korea-USA). The obtained digital data are processed with the help by a variation statistical method [5].

Results of a research showed that length of the right ovary to a menses at a left-side ovulation is enlarged by 1,23 times (from $23,6 \pm 0,37$ to $29,05 \pm 0,14$ mm), and left by 1,35 times (from $22,3 \pm 0,37$ to $30,05 \pm 0,26$ mm) and to a menses at a right-hand ovulation respectively: in 1,2 (from $24,05 \pm 0,46$ to $28,5 \pm 0,4$ mm) and the most intensive body height of length of both ovaries in both menstrual cycles is observed in 14, 19, 20 years. It is established that the maximum size of the right ovary is observed in 22 years, and left in 23 years, and the smallest from two parties is observed in 13 years. For the studied age period width of the right ovary increases to a menses at a left-side ovulation on average on 2,98 mm, left on 3,5 mm, to a menses at a right-hand ovulation respectively: 3,55 both 2,8 mm and the most intensive changes are observed in the first case in the right ovary in 14, 16 years, in left in 14, 18 years, in the second in 14, 18, 21 and in 18, 21 years.

The forward back size of ovaries from both parties to a menses at a left-side ovulation is enlarged by 1,2 times, and to a menses at a right-hand ovulation is enlarged by 1,84 times, at the left by 1,25 times. At the same time, the most intensive body height of this size of the right ovary to a menses at a left-side ovulation is observed in 15 years, in left in 14, 15 years, to a menses at a right-hand ovulation respectively: in 14, 16, 20 and 15, 20 years. The volume of the right ovary from 13 to 23 years at to a menses at a left-side ovulation is enlarged by 1,4 times (from $438,3 \pm 9,2$ to $627,7 \pm 12,5$ mm), left by 1,6 times (from $426,3 \pm 11,2$ to $676,5 \pm 10,3$ mm), to a menses at a right-hand ovulation respectively: in 1,34 (from $503,2 \pm 18,6$ to $674,0 \pm 8,2$ mm) and by 1,4 times (from $435,0 \pm 14,86$ to $622,4 \pm 7,0$ mm) and the most intensive changes in both ovaries at a left-side ovulation it is observed in 14, 16, 21, 22 years, at a right-hand ovulation in 15, 20 years, at the left in 14, 20 years.

When comparing our results with literary data on length of ovaries at girls from 13 to 23 years, it is necessary to notice that this length is extended on average on 5,3 mm, at the left on 7,65 mm on the right, width at to a menses at a left-side ovulation is enlarged on average on 2,98, at the left by 3,5 mm, at to a menses at a left-side ovulation on the right, enlarged, respectively, by 3,55 and 2,8 mm, and the forward-back size at to a menses at a left-side ovulation from two parties is enlarged by 1,2 times, at a right-hand ovulation on the right – by 1,84 times, volume is enlarged, respectively: in 1,4 and 1,6 times; 1,34 and 1,4 times. In this regard, we can't agree with opinions that at girls of 17-19 years the sizes of ovaries don't change.

Provided in works a series of data [6, 7] show that the volume of ovaries partially corresponds in our work to age of 21 years at to a menses of a left-side ovulation. This disharmony of these above-stated authors with ours is possibly bound to the fact that they studied the volume of ovaries at women of 30-49 years, and some data partially correspond with our results [8, 9, 10].

Thus, at girls from 13 to 23 years length of the right ovary to a menses at a left-side ovulation is enlarged on average by 5,4 mm, left by 7,65 mm; to a menses at a right-hand ovulation respectively: on 5,8 and 6,2 mm; the forward-back size – on 3,2 and 3,6 mm; on 2,7 and 3,6 mm, width is enlarged by 3,1 and 3,5 mm; on 3,55 and 2,8 mm, and volume is enlarged by 1,9 and 4,0 mm³; on 1,7 and 1,9 mm³. Intensive body height of length of ovaries to a menses at right-hand and left-side ovulations is observed in 14, 19, 20 years, width to a menses at a left-side ovulation is enlarged on the right in 14, 16 years, at the left in 14, 18 years. To a menses at a right-hand ovulation it is enlarged in 14, 18, 21 and in 18, 21 years; forward-back size, respectively: in 15 and 14, 15 years; in 14, 16, 20 and 15, 20 years. Volume to a menses at a left-side ovulation is enlarged in both ovaries in 14, 16, 22 years and to a menses at a right-hand ovulation is enlarged on the right in 14, 15, 20 years, and at the left in 14, 19, 20 years.

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