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CLINICAL AND ANAMNESTIC FEATURES OF PATIENTS WITH ENDOMETRIAL POLYPS AND INFERTILITY

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Key words: polyp, infertility, intrauterine pathology, endometrium, hysteroscopy. Tayanch so`zlar: polip, bepushtlik, bachadon ichi patologiyasi, endometriy, gisteroskopiyasi. Ключевые слова: полип, бесплодие, внутриматочная патология, эндометрий, гистероскопия.

Clinical and anamnestic features of 45 patients were studied with hysteroscopic and histologically confirmed diagnosis of endometrial polyp and women without intrauterine pathology. All patients were of reproductive age from 20 to 45 years. The average age of the surveyed was 32 years, BMI 28 kg/m2, the characteristics of menstrual function, the frequency of obstetric and gynaecological surgical interventions and past gynaecological diseases were described. The clinical course was characterized by a violation of the menstrual cycle in 55% of women and infertility was observed in 100%.

BEPUSHTLIKDA ENDOMETRIY POLIPI BO`LGAN BEMORLARNING KLINIK-ANAMNESTIK XUSUSIYATLARI

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Gisteroskopik va gistologik tasdiqlangan endometriy polipi diagnozi bilan, hamda bachadon ichi patologiyasi aniqlanmagan jami 45 nafar bemorning klinik-anamnestik xususiyatlari oʻrganildi. Barcha bemorlar reproduktiv yoshda – 20 dan 45 yosh oraligʻida edi. Ularning oʻrtacha yoshi 32 yoshni, tana vazn indeksi 28 kg/m 2 tashkil qilgan boʻlib, ularda hayz funksiyasining xusuyiyatlari, oʻtkazilgan akusher-ginekologik jarrohlik amaliyotlari va boʻlib oʻtgan ginekologik kasalliklari oʻrganildi. Kasallikning klinik kechishi 55% bemorda hayz siklining buzlishi bilan, 100 % bemorda esa bepushtlik bilan ifodalandi.

КЛИНИКО-АНАМНЕСТИЧЕСКИЕ ОСОБЕННОСТИ ПАЦИЕНТОК С ПОЛИПАМИ ЭНДОМЕТРИЯ ПРИ БЕСПЛОДИИ

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Изучены клинико-анамнестические особенности 45 пациенток с гистероскопически и гистологически подтвержденным диагнозом полип эндометрия и женщины без внутриматочной патологией. Все пациентки были репродуктивного возраста от 20 до 45 лет. Средний возраст обследованных составил 32 лет, ИМТ 28 кг/м², описана характеристика менструальной функции, частота акушерско-гинекологических хирургических вмешательств и перенесенные гинекологичекие заболевания. Клиническое течение характеризовалось нарушением ментеруального цикла у 55% женщин и бесплодие наблюдалось у 100%.

Introduction. In recent years, endometrial polyps are a frequently detected intrauterine pathology, and in a number of scientific researches there is evidence of their effect on fertility. In the structure of gynecological diseases EP's frequency varies from 7.8% to 34.9% [1]. According to some researchers [2], most often EP occurs in the peri- and postmenopausal periods - up to 70-79%. The factors that are important for the development of EP are diverse. Some authors consider that one of the formation factors of EP is chronic inflammatory process in the endometrium [3]. Chronic inflammation of the endometrium is defined as a clinical and morphological syndrome with a set of morphofunctional transformations in the endometrium with impaired cyclic changes and receptor status. At the same time, most authors believe that chronic inflammation is based on a decrease in the body's resistance to damaging agents (bacteria, viruses, tissue breakdown products, etc.).

The term "polyp" has a foreign language origin and in translation from the Greek language ("polypus") means "many -legged". Initially, this biological term meant sedentary specimens of coelenterates [4]. According to the WHO International Classification of Tumors of the female reproductive organs (2014), EP relate to tumor-like formations. In the structure of ICD-10, EPs are located in the XIV class "Diseases of the genitourinary system" and are classified under the head-ing "Non-inflammatory diseases of female genital organs" with the coding of the diagno-

sis N 84.0. However, it should be noted that in the case of a polyp with areas of endometrial intraepithelial neoplasia (EIN) / atypical glandular hyperplasia of the endometrium, code D 07.0 is used using ICD - O code 8380/2, which belongs to ICD-10 class II "Neoplasms".

The clinical manifestations of EP are highly variable. At reproductive age, EPs cause infertility [5; 6; 7]. The most frequent manifestations of EP, regardless of age, are abnormal uterine bleeding, some patients note the appearance of leucorrhoea [8; 9]. In some cases, EPs are asymptomatic and are detected during gynecological examination and ultrasound of the pelvic organs. [10; 11].

Thus, the origin of polyps has not been yet fully identified and it is unclear by what mechanism they lead to infertility. The variety of clinical symptoms and their relationship with infertility led to the study of patients with endometrial polyps in infertility.

Aim of the study: to study the clinical and anamnestic features of patients with endometrial polyps with primary and secondary infertility.

Materials and methods of research: a study of clinical and anamnestic features of 35 patients was carried out with hysteroscopic and histologically confirmed diagnosis of endometrial polyp and 10 women without intrauterine pathology. All patients were of reproductive age from 20 to 45 years. The average age of the surveyed was 32 years, the average BMI was 28 kg/m². According to the results of hysteroscopy, patients were studied in three groups.

Group 1 - the main group of patients - 16 women out of 35, only with endometrial polyps. At the time of examination, no other intrauterine pathologies were detected in these patients.

Group 2 - comparison group - 19 women out of 35, a combination of an endometrial polyp with other intrauterine pathologies.

Group -3 -control group - 10 women in whom at the first stage no hysteroscopic intrauterine pathologies were detected at the time of the examination. In all groups of patients, the characteristics of menstrual function, the frequency of obstetric and gynaecological surgical interventions and past gynaecological diseases are described.

Results: at the end of our study, the following results were obtained. Out of 45 patients, 12 (26.7%) had primary infertility, and 33 (73.3%) patients had secondary infertility (table 1).

The duration of infertility was 5 ± 1 and 3 ± 1 years, respectively, in groups with primary and secondary infertility.

According to Table 2, the majority of the examined women were between the ages of 33 and 36.

When studying the nature of menstrual function, it was found that the average age of menarche was 13 ± 1 years. The appearance of the first menstruation before the age of 12 years was noted in 32 (71%) patients, at 14 years or more in 13 (29%) patients. The menstrual cycle was established in all women within 2 years. The duration of the menstrual cycle in the majority of patients 25 (55%) was in the range of 28-30 days. The duration of menstruation in 27 (60%) patients was 4 or more days.

25 (55%) women have menstrual irregularities. 4 (9%) women complained about the absence

Table 1.

Contra characteristics of the groups of characteristics							
	I group	II group III group		Total			
Primary infertility	4	5	3	12			
Secondary infertility	12	14	7	33			
Total	16	19	10	45			

General characteristics of the groups of examined patients

Table 2.

Distribution of surveyed women by age.

Age	20-24	25-28	29-32	33-36	37-40	41-45
n (abs)	5	6	9	14	8	3
%	11%	13%	20%	31%	17%	6%



Fig. 1. The frequency of obstetric and gynaecological surgical interventions in patients with infertility.

of menstruation, 12 (27%) women complained about irregular menstruation. Heavy menstruation was noted in 27 (60%) women, scanty and spotting was noted in 13 (29%).

When studying the obstetric and gynecological history, only 16 (35%) of 45 patients with secondary infertility had a history of childbirth. A history of one birth was in 5 (31%) women, two births in 7 (44%) women, three in 4 (25%) women. Artificial termination of pregnancy was performed in 5 (11%) women. Spontaneous miscarriages in history were noted in 28 (51%) cases, of which 4 (8%) women had more than two times.

IVF and embryo transfer (ET) in history took place in one case.

34 (75%) patients had a history of various medical diagnostic and obstetric-gynecological surgical interventions before treatment. An analysis of previous obstetric and gynecological surgical interventions showed a significantly higher frequency of operations in patients of the comparison group, which is shown in Figure 1.

Some women suffered from previous gynecological diseases. Inflammatory diseases of the pelvic organs occurred in 29 (65%) women, 11 (24%) - uterine myoma, 9 (20%) - benign ovarian formations, external genital endometriosis - in 6 (13%) patients.

Conclusion. Thus, when studying the characteristics of menstrual function, the frequency of obstetric and gynaecological surgical interventions and past gynaecological diseases in patients with endometrial polyps, the following clinical and anamnestic features were revealed: the average age of the surveyed was 32 years, BMI 28 kg/m2, menstrual irregularities were observed in 55% of women, and infertility in 100%. 75% of patients had a history of various medical diagnostic and obstetric-gynecological surgical interventions before treatment, which can be a leading cause of the formation of local inflammation process and the endometrial hyperplasia.

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