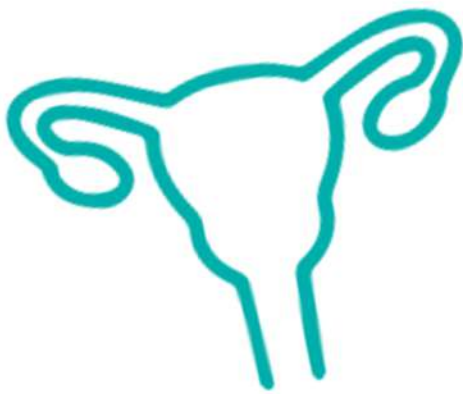


# KHARKIV NATIONAL MEDICAL UNIVERSITY

# ISIC-2020



**KHARKIV NATIONAL  
MEDICAL UNIVERSITY**



**OBSTETRICS & GYNECOLOGY**





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## **PARTICULARITY OF VAGINAL MICROBIOCENOSIS IN WOMEN WITH THE THREAT OF TERMINATION OF PREGNANCY**

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Relevance: 40,000 unborn children are caused by miscarriage annually in Ukraine. Given the great importance of microflora, it can be assumed that there is a relationship between reproductive health and the state of the vaginal microbiocenosis.

The aim of the study was to determine the characteristics of the vaginal microbiocenosis in women with the threat of termination of pregnancy in gestational age up to 22 weeks.

Materials and methods: We made a retrospective analysis of 35 case histories of women who underwent bacteriological and bacterioscopic examination of the vaginal contents.

Results: There were 35 participants in the study, 18 (51.4%) of which had a complicated gynecological history in the form of inflammatory pathology. So, 10 (55.6%) had inflammatory diseases of the appendages, 8 (44.4%) had colpitis, cervicitis. 20 (57%) women were pregnant up to 12 weeks, and 15 (43%) - 13-22 weeks. In the vaginal biotope of 25 (71.4%) patients in the study group, there was a decrease in the frequency of sowing lactic acid lactobacilli. An increase in the strains of facultative anaerobic bacteria in concentrations exceeding the laboratory norm was diagnosed in 30 (85.7%) women. Gardnerella vaginalis was found in 22 (62.8%) cases, Corinebacterium vaginalis - 12 (34.2%), E. Coli was found in 6 (17.1%) women. In 9 (25.7%) cases, Candida albicans, Group B Streptococcal (GBS) - 3 (8.6%), Staphylococcus epidermidis - 1 (2.9%) were found. In 5 (14.2%), there was a normal vaginal microbiocenosis.

Conclusion: thus, when studying the characteristics of the microbiota in women with the threat of termination of pregnancy, we found an increase in the number of various types of microorganisms, mainly due to the anaerobic flora.



INFLUENCE OF THE INTRAUTERINE INFECTION ON THE GESTATION PROGRESS .....	181
Karataieva Albina, Hopko Anastasia.....	182
PREGNANCY FEATURES OF WOMAN WITH UTERINE LEIOMYOMA .....	182
Kiebashvili Salome.....	183
MENSTRUAL FUNCTION DISORDERS IN FEMALE TEENAGERS WITH ADNEXAL TORSION .....	183
Kikosh Kseniia, Yakushev Yehor .....	185
PARTICULARITY OF VAGINAL MICROBIOCENOSIS IN WOMEN WITH THE THREAT OF TERMINATION OF PREGNANCY .....	185
Kudriavykh Polina, Tsyhanok Oleksandra .....	186
GENETIC FACTORS OF RESISTANCE AND SUSCEPTIBILITY TO COVID 19 .....	186
Kuzhnyova Anna .....	187
ANTIMULLERIAN HORMONE AND DIAGNOSTICS OF POLYCYSTIC OVARIAN SYNDROME .....	187
Mielikhova Tatyana.....	189
DETERMINATION OF IMMUNOGISTOCHEMICAL INDICATORS AS MARKERS OF ADENOMYOSIS PROGRESSION .....	189
Natalia Pylypenko.....	191
Perinatal outcome of adolescent girls,born low to gestational weight.....	191
Nitish Sharma .....	192
Main aspects of optimizing the tactics of leading women in the climacteric period .....	192
Pliekhova Olesia .....	194
The impact of distance education on menstrual dysfunction during quarantine during the COVID-2019 pandemic as a psychological factor in girls' gynecological health disorders....	194
Romanenko Anna, Abdullaeva Nubar.....	195
INFLUENCE OF PSYCHO-EMOTIONAL STATE ON THE COURSE AND DEVELOPMENT OF PREGNANT VOMITING .....	195
Shamandeep Kaur, Simar, Gradil O.G. ....	197
Modern aspects of diagnosis and management of tubal pregnancy.....	197
Shelest Natalia .....	198
PROGNOSTIC ASPECTS OF PHYSIOLOGICAL AND PREMATURE LABOR.....	198
Soha Raad.....	200
SOME FACTORS PROMOTING PRIMARY DYSMENORHEA IN PROLONGED HYPOKINESIA.....	200
Stoian Anna, Chelombitko Alina.....	201
PREVENTION OF PREECLAMPSIA IN PREGNANT WOMEN USING AQUA AEROBICS .....	201
Sydora Ruslan, Anastasiia Nahorna .....	202
SPECIFIC FEATURES OF MANAGING FEMALE PATIENTS WITH CERVICAL CANCER FOUND DURING PREGNANCY.....	202
Tishchenko Yuliya, Muntianova Anastasia.....	204
MANAGEMENT OF PREGNANCY IN PATIENTS WITH DYSPLASIA.....	204
Yuntsova Kateryna, Beresnyeva Kateryna.....	205
Some side effects of modern combined oral contraceptive use (literature review) .....	205
Pediatrics and Neonatology.....	209
Araslanova Tetiana, Horbunova Iryna, Matsak Denys.....	210
PRIMARY LACTASE DEFICIENCY IN YOUNG CHILDREN.....	210
Vlasenko Olha, Kharchenko Elina .....	211
HYPERTROPHIC CARDIOMYOPATHY OF THE NEWBORN (CLINICAL OBSERVATION).....	211

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