

### Early Diagnosis of Cervical Cancer Caused by HPV

**Akhmatova Gulrukh Rakhmatovna**

Bukhara State Medical Institute, UZBEKISTAN

#### Article Information

**Received:** March 09, 2023

**Accepted:** April 10, 2023

**Published:** May 11, 2023

**Keywords:** *cervical cancer, examination in mirrors, HPV types, cytological scraping, biopsy with histological conclusion, endocervical curettage.*

#### ABSTRACT

Cervical cancer is an oncological disease that affects the mucous membrane of the cervix. The disease most often proceeds without symptoms. They appear only with the development of complications. In these cases, the signs of cervical cancer include: spotting from the genital tract, chronic pelvic and lower back pain, menstrual cycle disorders, urination and defecation. In most cases, HPV types 16 and 18 are detected. HPV infection in the population, according to various studies, ranges from 80 to 95%. It is important to understand that it is not the fact of detecting a papillomavirus infection that is crucial, but the duration of its presence in the body. Cancer is preceded by the occurrence of precancerous diseases called intraepithelial neoplasia or cervical dysplasia. This is a precancerous disease that often turns into cancer without treatment. The development of oncopathology from the stage of dysplasia to cancer takes 7-10 years. During this period, the disease does not manifest itself clinically in any way.

**Introduction** The disease most often proceeds without symptoms. The clinical picture is manifested only in the case of complications, which are expressed by the following symptoms:

spotting from the genital tract after sexual contact or gynecological examination;

spotting from the genital tract during postmenopause;

intermenstrual spotting from the genital tract;

changing the nature of menstrual discharge;

heavy bleeding that is difficult to stop;

discharge from the genital tract with a putrid odor;

chronic pelvic and lower back pain;

violation of urination and defecation;

**Results and Discussion** Histologically (according to the structure of tissues), the following types of cervical cancer are distinguished:

squamous cell carcinoma arising from the epithelial cells of the cervical canal and exocervix (the outer part of the cervix, which is available for examination in mirrors), its proportion is about 70-80% of all cases;

adenocarcinoma or glandular cancer arising from the epithelium of the cervical glands accounts for about 10-20% of all cases;

low—grade cancer - 10% of all cases;

other histological types of malignant tumors — less than 1% (vitreous cell carcinoma,

neuroendocrine tumors, adenobasal cancer, etc.)

**Conclusions** The prognosis for cervical cancer depends on the stage of the disease. In oncology, it is customary to evaluate the five-year survival rate:

at stage I, it is 88.8 %

at stage II — 74 %;

at stage III — 51.4 %;

at stage IV — 7.8% [10].

Prevention is aimed at identifying the problem at the stage of precancerous disease, when a complete cure is possible and the risk of recurrence is low.

To do this, it is recommended to undergo the following examinations:

smear for oncocytology (pap test) - once a year;

colposcopy — also once a year (on any day except menstruation days);

PCR diagnostics for HPV - with each change of sexual partner or once every five years.

## REFERENCES

1. Пантеева, Я. И., & Артамонов, Р. П. (2019). Роль вируса папилломы человека в развитии рака шейки матки. In *Бюллетень медицинских интернет-конференций* (Vol. 9, No. 9, pp. 374-375). Общество с ограниченной ответственностью «Наука и инновации».
2. Rakhmatovna, A. G. (2021). Efficiency of PDT in severe cervical dysplasia. *ACADEMICIA: An International Multidisciplinary Research Journal*, 11(3), 2566-2568.
3. DAVRONOVICH, D. R., АКХМАТОВА, G. R., & SHOKIROV, B. S. (2020). Dynamics of the Immune Status of Women in the Treatment of Human Papilloma Virus (Hpv) of the Cervix. *JournalNX*, 6(06), 733-735.
4. Ахматова, Г. Р. (2022). ВЛИЯНИЕ РАЗНЫХ ФАКТОРОВ ПРИ ОБРАЗОВАНИЕ ЗЛОКАЧЕСТВЕННЫХ ОБРАЗОВАНИЙ ТИМУСА (ОБЗОР ЛИТЕРАТУР). *Scientific progress*, 3(3), 61-66.
5. Rakhmatovna, A. G. (2021). Efficiency of PDT in severe cervical dysplasia. *ACADEMICIA: An International Multidisciplinary Research Journal*, 11(3), 2566-2568.
6. DAVRONOVICH, D. R., АКХМАТОВА, G. R., & SHOKIROV, B. S. (2020). Dynamics of the Immune Status of Women in the Treatment of Human Papilloma Virus (Hpv) of the Cervix. *JournalNX*, 6(06), 733-735.
7. Ахматова, Г. Р. (2022). ПРОГНОЗ ЦИТОКИНОВ ПРИ ЦЕРВИКАЛЬНЫХ ПОРАЖЕНИЙ ВИРУСА ПАПИЛОМЫ ЧЕЛОВЕКА (ВПЧ). *Scientific progress*, 3(4), 865-870.
8. Nurmurodovna, B. M. (2022). Morphological Changes in Various Tissues in Rats with Chronic I Nurmurodovna, B. M. (2022).
9. Morphological Changes in Blood Glucose and Liver Glycogen in Rats during Intoxication of Heavy Metal Salts. *Research Journal of Trauma and Disability Studies*, 1(9), 87-92 Intoxication with Heavy Metal Salts. *Spanish Journal of Innovation and Integrity*, 7, 65-69.

10. Ахматова, Г. Р. (2022). ПРОГНОЗ ЦИТОКИНОВ ПРИ ЦЕРВИКАЛЬНЫХ ПОРАЖЕНИЙ ВИРУСА ПАПИЛОМЫ ЧЕЛОВЕКА (ВПЧ). *Scientific progress*, 3(4), 865-870.
11. Rakhmatovna, A. G. (2021). Efficiency of PDT in severe cervical dysplasia. *ACADEMICIA: An International Multidisciplinary Research Journal*, 11(3), 2566-2568.
12. DAVRONOVICH, D. R., АКХМАТОВА, G. R., & ШОКИРОВ, B. S. (2020). Dynamics of the Immune Status of Women in the Treatment of Human Papilloma Virus (Hpv) of the Cervix. *JournalNX*, 6(06), 733-735.
13. Ахматова, Г. Р. (2022). ВЛИЯНИЕ РАЗНЫХ ФАКТОРОВ ПРИ ОБРАЗОВАНИЕ ЗЛОКАЧЕСТВЕННЫХ ОБРАЗОВАНИЙ ТИМУСА (ОБЗОР ЛИТЕРАТУР). *Scientific progress*, 3(3), 61-66
14. Rakhmatovna, A. G. (2023). Change of the Cervix under the Action of the Human Papiloma Virus. *Scholastic: Journal of Natural and Medical Education*, 2(2), 117-119.
15. Rakhmatovna, A. G. (2022). The Role of Cytokines in the Formation of Cervical Cancer. *Central Asian Journal of Literature, Philosophy and Culture*, 3(12), 195-199.
16. Rakhmatovna, A. G. (2022). The Effect of Hpv on the Cervix. *Journal of Intellectual Property and Human Rights*, 1(11), 52-55..
17. Азимова, С. Б., & Хасанов, Б. Б. (2021). ТОКСИЧЕСКИЙ ГЕПАТИТ МАТЕРИ И СТРУКТУРНО-ФУНКЦИОНАЛЬНОЕ ФОРМИРОВАНИЕ ТИМУСА ПОТОМСТВА В ДИНАМИКЕ РАННЕГО ПОСТНАТАЛЬНОГО ОНТОГЕНЕЗА. *Eurasian Journal of Academic Research*, 1(9), 426-429.
18. Azimova, S. B. (2021, February). MORPHO-FUNCTIONAL CHARACTERISTICS OF THYMUS UNDER EXPOSURE TO VARIOUS ENVIRONMENTAL FACTORS. In *E-Conference Globe* (pp. 175-178).
19. Azimova, S. (2021). THE INFLUENCE OF MOTHER'S EXTRAGENITAL PATHOLOGY ON THE FORMATION OF THYMUS OF THE PROCESSING IN THE EARLY POSTNATAL ONTOGENESIS. *The Scientific Heritage*, (81-2), 44-46.
20. Азимова, С. (2022). ОСОБЕННОСТИ СТРУКТУРНО-ФУНКЦИОНАЛЬНОГО ФОРМИРОВАНИЯ ТИМУСА ПОТОМСТВА ПРИ ТОКСИЧЕСКОМ ГЕПАТИТЕ МАТЕРИ В ПЕРИОД МОЛОЧНОГО ВСКАРМЛИВАНИЯ. *Scientific progress*, 3(2), 659-664.
21. Bahodurovna, A. S. (2022). Structural-Functional Properties of Stress and Thymus. *Research Journal of Trauma and Disability Studies*, 1(9), 54-59.
22. Azimova, S. B., & Azimov, B. K. (2021). Chronic hepatitis of mother and morphological features of immune system formation of posterity.
23. Азимова, С. (2022). ОСОБЕННОСТИ СТРУКТУРНО-ФУНКЦИОНАЛЬНОГО ФОРМИРОВАНИЯ ТИМУСА ПОТОМСТВА ПРИ ТОКСИЧЕСКОМ ГЕПАТИТЕ МАТЕРИ В ПЕРИОД МОЛОЧНОГО ВСКАРМЛИВАНИЯ. *Scientific progress*, 3(2), 659-664.
24. Bahodurovna, A. S. Chronic Hepatitis of Mother and Morphological Features of Immune System Formation of Posterity. *JournalNX*, 7(06), 172-175.
25. Bahodurovna, A. S. (2022). Structural-Functional Properties of Stress and Thymus. *Research Journal of Trauma and Disability Studies*, 1(9), 54-59.

26. Azimova Sabohat Bahodurovna. МОРФОФУНКЦИОНАЛЬНАЯ ХАРАКТЕРИСТИКА ТИМУСА ПРИ ВОЗДЕЙСТВИИ РАЗЛИЧНЫХ ФАКТОРОВ ВНЕШНЕЙ СРЕДЫ. *tibbiyotda yangi kun* 5(37), 129-132
27. Sh, D., Kharibova, E., & Davronov, R. (2021). Ultrastructural features of the white thymus stromal cells. *The Scientific Heritage*, (79-2), 29-30.
28. Давронова, Ш. Р. (2020). СТРОЕНИЕ ТИМУСА БЕЛЫХ КРЫС ПРИ ДЕЙСТВИИ ТЕМПЕРАТУРНОГО ФАКТОРА. *Морфология*, 157(2-3), 67-67.
29. Davronovich, D. R., & Rahmonovna, D. S. MODERN VIEWS ON THE PARTICIPATION OF THE THYMUS IN THE PROCESSES OF IMMUNOGENESIS.
30. Давронова, Ш. Р. (2020). УЛЬТРАСТРУКТУРНЫЕ ОСОБЕННОСТИ КЛЕТОК ТИМУСА БЕЛЫХ ЛАБОРАТОРНЫХ КРЫС В ДИНАМИКЕ ТЕМПЕРАТУРНОГО ВОЗДЕЙСТВИЯ. *Новый день в медицине*, (4), 634-635.
31. Давронов, Р. Д., & Давронова, Ш. Р. (2020). СТРУКТУРНО-ФУНКЦИОНАЛЬНЫЕ ИЗМЕНЕНИЯ КОСТНОГО МОЗГА В ДИНАМИКЕ АНТИГЕННОГО ВОЗДЕЙСТВИЯ (экспериментального сальмонеллеза). *Новый день в медицине*, (1), 487-489.
32. Давронов, Р. Д., & Давронова, Ш. Р. (2008). Структурно-функциональные особенности адаптивных изменений органов системы иммунитета при антигенном воздействии. *Морфология*, 133(2), 38с-38с.
33. Вахриевна, Р. N., & Пхомовна, N. F. (2023). EFFECTIVE METHODS FOR THE FORMATION OF COMMUNICATIVE CULTURE IN PRIMARY SCHOOL STUDENTS BASED ON AN INTEGRATIVE APPROACH. *IQRO JURNALI*, 2(1), 257-261.
34. Pkhomovna, N. F. (2023). THE ROLE OF INFORMATION AND COMMUNICATION TECHNOLOGIES IN EDUCATION AND PROFESSIONAL TRAINING OF STUDENTS. *Open Access Repository*, 4(3), 680-686.
35. Nazarova, F. I. (2023). MEDICAL BIOLOGY READ THE SCIENCE THE USE OF EDUCATIONAL FILMS. *Horizon: Journal of Humanity and Artificial Intelligence*, 2(4), 154-159.
36. Pkhomovna, N. F. (2023). Premature Birth and Hereditary Diseases in Children Detection Software. *Scholastic: Journal of Natural and Medical Education*, 2(4), 113-118.[14]. Z.M.Dubossarskaya. The main issues of reproduction immunology / Dubossarskaya Z.M., Dubossarskaya Yu.A. // *Medical aspects of women's health*. - 2010. – vol.31, No. 4. – pp. 15-21.