
MEDICINE

UDC 618.1

ON THE STRATEGY OF CERVICAL CANCER SCREENING IN THE ROSTOV REGION

© 2014 D.V. Burtsev, T.O. Kholodnaya, V.V. Pimenova, T.A. Dimitriadi, O.I. Tkacheva, E.V. Domashenko

Burtsev Dmitry Vladimirovich – Candidate of Medical Science, Chief Physician, Regional Consultative Diagnostic Center, Pushkinskaya St., 127, Rostov-on-Don, 344007, Russia, e-mail: omldc@omlhc-rnd.ru.

Holodnaya Tatiana Olegovna – Candidate of Medical Science, Regional Consultative Diagnostic Center, Pushkinskaya St., 127, Rostov-on-Don, 344007, Russia, e-mail: toholodnaya@omlhc-rnd.ru.

Pimenova Victoria Valerievna – Regional Consultative Diagnostic Center, Pushkinskaya St., 127, Rostov-on-Don, 344007, Russia, e-mail: omlhc@omlhc-rnd.ru.

Dimitriadi Tatiana Aleksandrovna – Candidate of Medical Science, Regional Consultative Diagnostic Center, Pushkinskaya St., 127, Rostov-on-Don, 344007, Russia, e-mail: tdimitriadi@yandex.ru.

Tkacheva Olga Igorevna – Regional Consultative Diagnostic Center, Pushkinskaya St., 127, Rostov-on-Don, 344007, Russia, e-mail: olga.tkacheva.56@mail.ru.

Domashenko Elena Vladimirovna – Candidate of Medical Science, Regional Consultative Diagnostic Center, Pushkinskaya St., 127, Rostov-on-Don, 344007, Russia, e-mail: evdomash@omlhc-rnd.ru.

The problem of diagnostics and treatment of Human Papillomavirus-associated diseases is still of current importance cancer morbidity. The latter is due to the lack of the National Programme for preventing cervical cancer and increase in Human Papillomavirus-infection among the population. In Regional Consultative Diagnostic Centre (Rostov-on-Don) cervical cancer screening is performed with two methods – liquid-based Cytology and Human Papillomavirus-test (Hybrid Capture System II Digene, Abbot RealTime High Risk). Used a computerized system of cervical cancer screening based on liquid-based cytology BD TriPath. For the preparation of thin-layer preparations used technology BD SurePath and BD Prep-Stain, which allows you to automate the process of sample preparation and standardize color cytological smear preparation, a preparation of high quality. Material for the study in the laboratory fed from the medical centers of the Rostov region and Rostov-on-Don in women who came to the reception to the gynecologist and the examination room. Evaluation of cytological smears was carried out on a single international classification of different cytological cervical lesions proposed by the National Institute for Cancer Research USA The Bethesda system (TBS).

Keywords: HPV, cervical cancer, liquid-based Cytology, HPV-test.

References

1. Ronco G., Cuzick J., Pierotti P., Cariaggi M.P. Accuracy of liquid based versus conventional cytology: over all results of new technologies for cervical cancer screening: randomised controlled trial // *BMJ*. 2007. Vol. 335, № 7609. P. 28.
2. Badalova L.A., Rogovskaia S.I. Sovremennye metody diagnostiki tservikal'noi neoplazii: kliniko-ekonomicheskaya effektivnost' [Modern methods of diagnosis of cervical neoplasia: clinical and cost-effectiveness] // *Problemy reproduktivnoy meditsiny*. 2012. № 2. S. 27–32.
3. Rogovskaia S.I., Uzdenova S.A., Terebneva L.A., Lapochkina N.P. O roli VPCH-testa v povyshenii effektivnosti profilaktiki RSHM [On the role of HPV testing in improving cervical cancer prevention] // *Mat' i ditiya* : ma-

terialy XIV Vseros. nauch. foruma. M., 2013. S. 14.

4. Vorob'ev P.A., Avksent'eva M.V., Iur'ev A.S., Sura M.V. Kliniko-ekonomicheskii analiz: otsenka, vybor meditsinskikh tekhnologii i upravlenie kachestvom meditsinskoi pomoshchi [Clinical and economic analysis: assessment, selection of medical technology and quality management of medical care]. M., 2004. 404 s.

5. Daling J.R., Madeleine M.M., Schwartz S.M., Shera K.A. A population-based study of squamous cell vaginal cancer: HPV and cofactors // Gynecol. Oncol. 2002. Vol. 84, № 2. P. 263–270.

6. ASCUS-LSIL Traige Study (ALTS) Group. A randomized trial on the management of low-grade squamous intraepithelial lesion cytology interpretations // Am. J. Obstet. Gynecol. 2003. Vol. 188, № 6. P. 1393–1400.

7. Avtandilov G.G., Shabalova I.P., Glukhova Iu.L. Ploidometricheskaia diagnostika predrakovykh protsessov i raka sheiki matki po tsitologicheskim preparatam [Ploidometric diagnosis of precancerous processes and cervical cancer by cytological preparations] // Klin. lab. diagnostika. 2004. № 11. S. 45–47.