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PDT Is the Sustainable Non Surgical Medical Method To Treat Acute HPV Infection, CIN and Invasive Cancer

The management of HPV-associated diseases such as cervical precancer and cancer is very difficult to approach, especially in case of young woman who wants to preserve her fertility. The most popular way of treatment was and unfortunately still is the surgical method. Conization of the cervix may have various kinds of disadvantage. According to the publications we studied in the Journal of Gynecological Oncology and Public Library of Science One, we came to the conclusion: depth and mass of removed tissues do not impact results of surgical treatment - unfortunately, CIN relapse still occurs after a surgery. HPV Recurrences return in 56% cases after LEEP and 62% cases after CKC.

Photodynamic therapy (PDT) is a therapeutical modality which offers a minimally invasive alternative for these diseases.

The results of research on the use of PDT in patients with CIN and early-stage cervical cancer. The complete response rate was 89,9% (692/770) at 3 months following treatment.

In the remaining 78 patients, only 33 did not respond to retreatment, the rest are healthy after second PDT course. Patients with HGSIL had a higher percentage of full recovery than patients with LGSIL after one PDT course. Therefore, the groups with HGSIL had better outcomes than the group with LGSIL.

PDT is an effective and minimally invasive treatment for cervical precancer and cancer, which also appears to eradicate HPV infection.

Keywords: photodynamic therapy, HPV, cervical intraepithelial neoplasia, cervical cancer.

Biography:

Maksim Afanasev, Gynecologic Oncology with over 20 years of experience. Since 2009, I have been working with clinical studies on non-melanoma skin cancer and HPV-related diseases (Acute HPV infection, LSIL, HSIL and early-stage cervical cancer) and work with photodynamic therapy. He have published over 240 scientific papers, two books and 15 book chapters