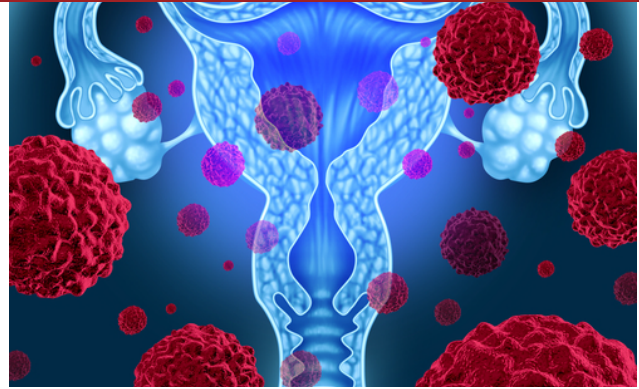




BENEFITS OF MICRONUTRIENT SYNERGY IN CERVICAL CANCER



Cervical cancer is the third most commonly diagnosed cancer and the fourth most common cause of death in women. The American Cancer Society estimates 12,900 new cases of cervical cancer will be diagnosed in 2015. Most women diagnosed with cervical cancer are between 30 to 60 years old. While the routine Pap test has reduced cervical cancer deaths in developed countries, it remains a major cause of deaths in women in developing countries. According to 2012 data, approximately 528,000 new cases of cervical cancer were diagnosed worldwide.

The cervix is the lower end of the uterus (womb) and is lined mainly with two types of cells: squamous cells and glandular cells. The squamous cells lead to the most common type of cervical cancer, squamous cell carcinoma. The glandular cells can lead to adenocarcinoma of the cervix. The development of cancer is a slow process and it usually takes 10-15 years for precancerous cells to turn into cancer. Smoking, obesity, long-term use of birth control pills, teenage pregnancies, and multiple full term pregnancies increase the risk of cervical cancer. However, the most common risk factor is a chronic infection from specific types of human papilloma virus (HPV). Usually, there are no specific symptoms in the early and precancerous stages of the disease. Later, abnormal vaginal discharge and intermittent bleeding, and pain during intercourse may indicate cervical cancer. Although, cervical cancer can be treated effectively in the early stages, the outcome becomes poor as the disease spreads in the body (metastasis).

Similar to all other cancers, cervical cancer spreads by destroying the surrounding connective tissue using matrix metalloproteinase (MMP), and urokinase plasminogen activators (uPA) enzymes. We have documented that micronutrients such as vitamin C, lysine, proline, green tea extract and others, can effectively block the development and spread of

cancer cells by inhibiting critical steps in the process such as blocking the MMP enzymes, reducing growth of blood vessels to feed the tumor, and strengthening the connective tissue matrix surrounding the cancer cells.

Our recent study further confirms the efficacy of this micronutrient synergy in a living organism. It shows that mice subjected to cervical cancer develop much smaller and fewer tumors when their diet is supplemented with the specific micronutrient combination compared to the control group. In addition, cervical cancer tumors in the supplemented group of mice were less likely to metastasize as they were surrounded by a strong defined layer of connective tissue (capsule) that could form a barrier against spread of the cancer cells. Such a capsule was absent in tumors in the control group. Even more, the tumors developed in the supplemented group of mice had more dead cancer cells (necrosis) indicating their regression.

For every woman the diagnosis of cervical cancer, especially in its advanced stages, poses a psychological, physical and financial burden affecting her and her family - in particular for women in the developing world. This and our other results further confirm that the road to developing a safe, effective, and science-based natural approach to cancer is wide open. This gives hope for thousands of women and offers an economically viable approach to health care economies in every country.

Ref: Roomi, M.W., Cha, J., Kalinsky, T., Roomi, N., Niedzwiecki, A., & Rath, M. (2015). *Experimental and Therapeutic Medicine*, 10, 901-906. <http://dx.doi.org/10.3892/etm.2015.2591>

You can print this News Page at: www.drathresearch.org, to share it with your practitioner and others.

This information is provided to you by the Dr. Rath Research Institute a leader in the breakthrough of natural health research in the field of cancer, cardiovascular disease and other common diseases. The Institute is a 100% subsidiary of the non-profit Dr. Rath Foundation.

The ground-breaking nature of this research poses a threat to the multi-billion dollar pharmaceutical "business with disease". It is no surprise that over the years the drug lobby has attacked Dr. Rath and his research team in an attempt to silence this message. To no avail. During this battle, Dr. Rath has become an internationally renowned advocate for natural health. Says he: "Never in the history of medicine have researchers been so ferociously attacked for their discoveries. It reminds us that health is not given to us voluntarily, but we need to fight for it."

This information is based on scientific research results. It is not intended to substitute for medical advice to treat, cure, or prevent any disease. © 2015 Dr. Rath Research Institute | Santa Clara, California, USA. We encourage the distribution of this News Page, provided its content remains unaltered.

