

## Can we win the fight against cancer?

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The opinion presented in the article is based on the results of biomineralogical research conducted by the author, which included the following tumors: lung, gums, tongue, breast, bone, skin and others. The research was conducted using the latest mineralogical methods.

In the case of cancer, the basic problem is stopping the multiplication of cancer cells. Responsible for this process is part of the defective DNA that determines the rate of cell multiplication in a given tissue. Because this piece of DNA has its length and complex internal structure, a defect may appear in various spots. A particularly sensitive moment is the division of the cell, when the DNA in the chromosomes is divided into two parts. If "carcinogenic substances" occur in the DNA division environment then, a structural defect of DNA is created that determines the continuous multiplication of the cell.

It is known that there are different types of carcinogenic substances that can be inserted into this section of DNA, in various places.

The complexity of the structure of this particular DNA section and the variety of substances that can be built into this section during cell proliferation determine the wealth of tumors, and hence great problems and often helplessness in combating them.

According to the opinion of oncologist colleagues with whom I worked, a person goes through many "cancerous" stages in life, which the body handles by itself. This happens completely without the awareness of the person exposed to cancer. There are examples in medicine of healing very advanced cancerous conditions. These and other observations suggest that the body has the ability to self-heal cancer, as well as other diseases.

In the case of self-healing, cancer cells are treated like the disease and infectious cells, yet the body's defenses, after being launched, are able to fight these cells. Therefore, at least for some cancers, some antibiotics may be the medication that could eliminate diseased cells. This view, however, requires confirmation by experimentation.

It may be that the self-healing mechanisms of the body do not start or are too weak to fight cancer cells. Then the multiplication of cells continues and the tumor tissue grows.

Work on the fight against cancer should focus, among others, on the intensive stimulation of the body's self-healing abilities. It is important to unlock blocked self-defense mechanisms (Nobel for 2018) or to develop other biochemical technologies conducive to self-healing, i.e. to stopping the multiplication of cells.

Some prospects are connected with methods of combating cancer by blocking angiogenesis in the areas of cancer tissue development, and as a result, stopping the blood supply to these tissues. Withholding the supply of nutrients and oxygen will result in the death of cancer cells.

One of the methods in this field may probably be alkalization of the tissue environment, which may block angiogenesis in the area of cancerous tissues.

We had some interesting and surprising results in our experiments using very low concentration mineral suspensions in water injected intravenously into mice. They caused an increase in the number of immune cells of mice, and thus strengthened the self-defense mechanisms of their organisms.

Each of the discussed methods is worth testing, because the ultimate goal of the research is health and lives of millions of people.