Published in the German magazine, raum & zeit, 1990

Genetic Repair Including "IRIDODIAL" An Insect Derived Genetic Repair Factor of Important Antimalignant Effect.

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Editor, Raum & Zeit (Germany):

"Even though large, specialized hospitals have not acknowledged the fact, it is nevertheless true that EXTRA-ORDINARILY EXPENSIVE RADIOTHERAPY AND CHEMOTHERAPIES ARE, WITHOUT A DOUBT, A FAILURE". The Internationally recognized oncologist Dr. Hans A. Nieper from Hannover, Germany reports in this article, not only on the presently known therapy methods, but introduces a promising therapeutic possibility in conquering cancer, namely the application of active substances from insects for the repair of genetic information which got lost in cancer cells." (Editor)

In 1973 in the Silbersee Hospital in Hannover, Germany, a so-called spontaneous healing of an advanced breast cancer was witnessed. The healing process in itself was very dramatic. With the help of monies used from a research grant given by the Volkswagen Automobile Company the cancer patient was given extensive tests. The results obtained seemed to show that the cause of the drastic disappearance of wide spread cancer metastasis throughout the bones of the patient, had its foundation in the ability of the body to repair a derailed genetic system in the cancer cells and not with the usual "immune system" response, as with people responding to a bacterial or viral infection.

RESISTANCE AND IMMUNE SYSTEM RESPONSE

In the past we have made a definite destinction between

the body's ability to repair itself and the body's resistance on one hand and the function of the immune system response on the other hand. In contrast to this, the immune response mechanism will be activated immediately at the onset of an illness, the presence of an elevated temperature or by active or passive inoculations (mobilization of the defense system like "calling out the military"). Of course there are also intermediate forms of defense mechanisms, the mechanism triggering the activation of lymph cells being one such example. In principle one has to draw a definite line between repair (resistance) and immune response.

During an activated immune response, the anti-bodies, which consist of peptides in various sizes, are the actual instruments fighting the external bacterial and viral invaders. These peptides also take action against cell membrane structures. In contrast the tools for the inner repair system of the cell are formed quite differently. Steroid and chinoid structures have priority in the inner cell repair system, while plasma peptides also get involved.

There are over one hundred fifty chemical structures presently known that possess reparative or resistance-stimulating abilities against degenerated cells, cancer cells, damaged cells and certain big "viruses", especially the herpes-type virus.

The chromosomal genetic systems of the human cell contain approximately two billion base pairs. As you can see we are dealing with a computer that has the extremely high capacity of 2 Billion bits. The largest part of available and stored information remains secured through a sort of sealing and locking mechanism. Only a small amount of the stored information of genetic possibilities is permitted to be released. Because of the strict regulation of the genetic system, the preservation of the formation of type and function of the genes is pre-programmed and secure. It appears that the genetic system has its own special watchdog genes responsible to maintain the proper order.

MISINFORMATION

For various reasons, previously secure gene systems

will begin to release information pertaining to the whole cell, which eventually may lead to chaos. Creating in stages, depending on the frequency of the unsolicited genetic information, a cancer cell can be formed and out of that cancer cell a malignant tumor or serious blood disease. One calls the gene responsible for causing such chaos "oncogenic", after a definition established by Peter Duesberg of Berkeley, CA. Another world renown scientist and oncology researcher is Dr. Vogt of Los Angeles, who is also of German descent like Peter Duesberg.

One has to mention that there are various other specific irregularities. In addition to the oncogenic genes for instance, the lipids of the mitochondrial membrane in the cell can change into malignant lipids and be responsible for the formation of cancer (Kosaki's specific 'Malignolipin').

In principle, the big problem is not actually the appearance of the oncogenic gene in the formation of the cancer cell, but a faulty locking or sealing mechanism. This mechanism is essential to keep the oncogenic genes latent and ineffective. Because of this attribute oncogenic "arrest" or "anti-oncogenic" genes are attracting special interest.

GENETIC REPARATIVE MECHANISM

At present we know of the following fundamental gene repair mechanisms which lend themselves to extinguishing oncogenic genes and possibly restoring cancer cells to their normal function or, if necessary, disposing of them.

1. The before mentioned anti-oncogenic genes in the gene system.
2. The so-called oncostatins (peptides) in the cell plasma (Todaro).

These oncostatins require for their activation the healthy condenser function of the outer membrane (50 to 90 kilovolt per centimeter). Healthy embryonic cells have the potential to re-program cancer cells back to normal cells. Experimentally such re-programmed cancer cells can be brought back to their normal embryotic stage. Several drugs which are based on the oncogene principle have been developed in Germany. Even though scientifically very interesting, the actual clinical value of these drugs is very much limited.

The limitation seems to be a purely quantitative problem--the distribution of the active substances throughout the body. It is difficult to reach a concentration high enough in the inner tumor.

3. The so called killer lymph cells which at times will only be activated through contact with cancer cells, contain a factor which the killer lymph cells inject into cancer cells. This factor is most likely a steroid derived from metabolism of the thymus. Tentatively we are dealing with a very short-lived endiol (Klemke) also called Tumosterone.

This subtance seemingly has a strong gene-repair action on oncogenic malignant derailments and at the same time prevents other irregularities in the genetic system. This action can be considered a rejuvenation effect by just "keeping the genes young". Mattern, a Hoffmann-LaRoche researcher in Basel, Switzerland observed the "injection" of what seems to be Tumosterone from the killer lymph cells "NKL" into the tumor cell's genetic system. However, the activation of the lymph cells against tumor cells, strictly speaking, falls more into the immune-response catagory.

4. In the white blood cells there consists a group of defense mechanisms known as lymphokines, in the lymph cell. Included in this group are the interferon, the tumor necrosis factor TNF and the interleukines. In the last few years many reports have been published covering these defense mechanisms. However, in my opinion, their practical value in the fight against cancer is overrated. Their period of definite effectiveness against leukemia, kidney cell tumors and melanoma is limited and only remains effective for a relatively short time. Alpha-interferon (effective against the so called "hairycell leukemia") is also officially recognized as a "genetic repair substance". Lymphokines work as partners in an endogenous regulatory system and can not freely be manipulated without the trading-in of adverse effects. Interleuken II is a striking example for this.

In the summer of 1978 A McGovern-Appointed-Committee of the US Senate investigated the success rate of chemo- and hormone-therapies, radiation and surgical procedures, declaring these therapies unofficially a failure. The recommendation was that further efforts, especially in regard to toxic chemo-therapy, would be a waste of energy and money and has been. The Committee further suggested that biological principles be explored. The Committee's report resulted in

the activation of research into lymphokines, starting with interferon.

The following March of 1979, a second Senate hearing on the same subjects was called. This hearing was initiated by Edward Kennedy. I was the only foreign expert to testify. The majority of scientists questioned at that time voted, indeed, some years later, that "non-biological" cancer therapies were a failure. Statistical work from Bailar at Boston, confirmed the previous findings. Then, the federal cancer institute in Heidelberg, Germany has shown that the tumor reduction seen after the chemotherapy does not coincide with an extension of life expectancy. A fatal verdict of the value of chemotherapy.

5. Blood plasma contains several active substances which altogether have "rejuvenating" qualities. These substances are principally derived from the products of metabolic action of the cortex of the adrenal glands and of the lymph tissues. They are also cancer inhibiting and genetic repair-inducing. These substances include dehydroepiandrosterone (DHEA). In all probability, considerable amounts of additional repair substances not yet entirely known are produced at the same time. DHEA is available in an injectable solution, but it's clinical usefulness is limited. It is possible to stimulate the internal production of DHEA and of related repair substances in cancer patients by administering squalene in conjunction with large amounts of vitamin C. Squalene is an unsaturated terpene hydrocarbon found in shark liver oil (tri-pertinoid). Squalene plus ascorbic acid is also valuable in the treatment of herpes infections, herpes manifestations and increase of high risk irregularities in the female cervical canal (positive Pap smear). There, the reparative effect of Squalene plus ascorbate can directly be proven. When gene repair factors are offered routinely, the consideration of squalene and ascorbic acid is indispensible.

6. On the average, the usage or activation of repair substances produced in the human body is relatively limited in its effect simply because of quantitative limitations. The derived amount of defense substances simply can not overpower the billions and trillions of cancer cells. On top of that, each cancer cell can develop its own defense mechanism for protection against such subtances. Besides

that, interferon and interleuken preparations are extremely expensive. For that reason it is important to search through our environment for gene repair subtances that can be used effectively against human cancer. The possibility to succeed is very good.

GENETICLY EFFECTIVE SUBSTANCES

From the ochrosia plants (Moluccas Islands) the effective substance "Elipticin" is obtained. Shibata, in Japan, isolated at least thirteen saponin substances from the ginseng root which are effective against cancer and at the same time have a rejuvenating effect. The mandelonitriles, bitter almond substances (so far fifty-five variations are known) have the ability to split into various repair substances in the organism or in the cancer cell. The free Benzaldehyde released from it has been especially known for its direct gene repair ability of cancer cells (Kochi, Japan). The chemically simple acetaldehyde is also remarkably effective. Acetaldehyde has earned considerable importance as in the "Ehrenfeld Program" in preventive therapy against melanoma and in the primary therapy of brain tumors. Principle weapons in cancer and leukemia therapy for us today are: bitter almond substances, a synthetic variation of bitter almond substances, called ureyl-mandelonitrile which attaches itself to urea, and the Ehrenfeld program.

7. The insect eating carniverous plants, especially the venus fly trap, provide a series of gene repair substances and at the same time special membrane - attacking enzymes which are most interesting. The carnivorous extract has definite effectiveness in clinical oncology, not only to eliminate malignant cells, but also to eliminate tissue damage through radiotherapy. However the cost, to keep the extract effective and free from toxins, is relatively high. The usage of these substances by experienced oncologists increases every year. Likewise, the administration of carnivorous extract in dangerous herpes infections is extremely effective. During the process of dissolving trapped insects, carnivorous plants have to extinguish the genetic information released by the insect chromosomal material otherwise this information could be integrated into the plants own genetic system. Mrs. McClintock received a Nobel Prize for having discovered the "migrating of genes". Human intestines also apply a compulsory "gene extinguishing" principle. Is it

this principle that makes the intestine, the only epithelial organ, relatively resistant to malignization? In addition the carnivorous extracts also contain the repair factor "plumbagin" as well as special enzymes which are specifically active against tumor cell membranes and against membranes of radiated cells.

8. The Himalayan valerian plant contains the effective subtance didrovaltrate. The specific anti-cancer gene-repair effect of this substance was first discovered by Anton and his Associates in Strassburg, France. Dr. Thies, Hannover, Germany, described this substance in its chemical constitution. It has considerable use, especially in preventive therapy and in application against kidney tumors and tumors in the oral cavity. The substance first has to be changed metabolically into an effective dialdehyde which is lipid soluble and because of that, can to some extent penetrate larger tumors. During therapy it is necessary to administer at least twelve to twenty coated tablets daily, 600 - 1000 mgs per day. This becomes a cumbersome therapy when used over a long period of time. Unfortunately, no other method of application is possible to date. In today's cancer therapy didrovaltrate is used only periodically.

INSECTS - THE MOST EFFECTIVE PRODUCERS

9. Insects are the most effective productive producers of gene repair substances. Ants, for example, have the capacity to produce large amounts of gene-repair substances efficiently. The result is that insects like ants hardly ever develop tumors. They are able to host unbelievable amounts of viruses in their organism, without showing ill effects. Yet insects have no immune system, phylogenesis only equipped them with a repair principle. For this, ants sacrifice their individuality because of the total genetic surveillance of their population ("the socialistic ant"). Ant, and other insect colonies, therefore consist more or less of uniform phenotype. The genetic protection in ants is called iridodial, named after the Argentine ant, Iridomytrex. The substance iridodial is similar to the activated dialdehyde, called didrovaltrate, except that it shows a significantly smaller backbone molecule. In order to be effective, the backbone - molecule has to be energetically stimulated, a phenomenon of pivotal importance.

Most likely the specificity of the molecule is defined by the degree of stimulation it receives. Since ants are practically always found staying in geopathogenic zones, they apparently require especially strong repair potentials. On the other hand, they could derive the stimulating energy to activate iridodial from this energy input. In cancer patients some carnivorous plant extracts and the therapeutic value of iridodials outdistance most effective substances known to date in the medical treatment of cancer. A pre-requisite to their effectiveness is that the tumors have not grown beyond a certain size. Smaller tumors can be eliminated with this treatment, while larger ones do not respond as well. Even though directly effective against cancerous growth the problem seems to be that the more cancer there is, the less effective is the substance. However, all known types of tumors are influenced, even breast cancer, which shows resistance to most all of the repair substances, except "DHEA" (probably because of an unleashed virus problem).

Several methods of application of iridodial are now offered in Germany. Iridodial can be administered orally, intramuscularly or intravenously. Presently an oral, much more effective and more substantial capsule of iridodial is being developed.

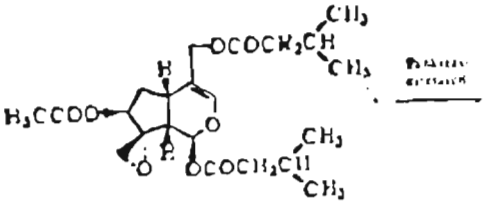
TREATMENT COST REDUCTION POSSIBLE

Only relatively unreliable laboratory technical methods are presently available for the early detection of cancer. Modern methods of testing include the alga test by Doetsch which is being developed and shows promise for a much earlier cancer diagnosis. Blood serum out of patients hosting cancer in a very early stage produces a cytopathic-generic effect in certain green algae, e.g. in Euglenia.

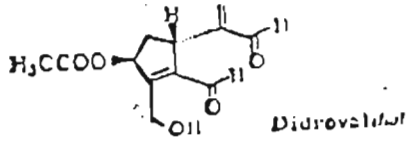
Not only are iridodials more effective and much less expensive, they are also completely free of any side effects, they are not toxic and they can be administered without complication in early and suspected stages of the disease for an unlimited time. This was not possible with presently known cancer medications because of pharmacodynamic reasons emerging out of their toxicity. Incomplete and so called palliative surgical procedures against cancer would make a

lot more sense when followed by massive therapy with iridodial, carnivora extract, squalene-ascorbate and thymus.

The financial expenditures for the treatment and control of cancer would become considerably less expensive and special oncological hospitals would be less necessary. Cancer patients could be treated successfully and less expensively, but most of all, humanely, by their family physician or by an internist.

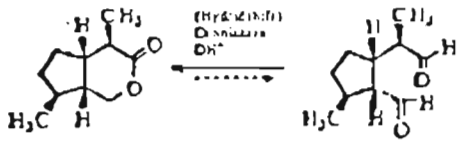


Didrovaltratum



Didrovaldial

Conversion of Valepotriate (Didrovaltrate) of the Himalayan valeriana plant into the highly antimalignant genetic repair factor Didrovaldial with the help of enzymatic or energetic processes. Didrovaldial is lipid soluble and may penetrate even bigger tumors. It is functionally closely related to the insect's Iridodial.



Nepetalacton

Iridodial

Formula of the insect derived Iridodial molecule. It is bifunctional which suggests that it may repair or seal genetic defects. It requires a certain degree of energetic excitation to become effective. This energetic excitation

determines its effectiveness also in e.g the antimalignant therapy of man. Iridodials brutally control the genetic information not permitting any degree of individuality-but also not permitting a malignancy chaos.

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