

Research Article

Novel Strategy to Cure Cancer.

Adnan Yousif Rojeab^{1*}

¹ Electrical and Electronic Engineering Department, The London College UCK, London, U.K.

***Corresponding Author:** Adnan Yousif Rojeab, Electrical and Electronic Engineering Department, The London College UCK, London, U.K

Citation: Adnan Yousif Rojeab (2023) Novel strategy to cure cancer. *Cancer Prog Diagn* 7: 144.

Received: April 21, 2023; **Accepted:** May 28, 2023; **Published:** May 31, 2023.

Copyright: © 2023 Adnan Yousif Rojeab, et al. This is an open-access article distributed under the terms of the Creative Commons Attribution License, which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited.

Abstract

The cancer is a phenomenon of special reaction mechanism, which is functioning against the threat of severely acted tissues in the body. It is only created to eliminate severe damages and dangerous that occur in the cells of the body, when the immune system fails to cure the damages. The effect of the cancer could only be ended when a direct, right and simple treatment method should be applied to cure the previous diseases that have caused the cancer, but not to attempt to treat the cancer itself.

For the telomere matter, cancer cells have similar lengthening characteristics of the telomere, [in every DNA replication], to those of germ and stem cells. While in somatic cells the telomere is shortening in every DNA replication.

May be, a possible method to eliminate the cancer, is by applying a suitable amount and direction of a magnetic action on opposing the cancer cells. This method could inhibit the lengthening of the telomere of the cancer cells, towards the somatic cell's characteristics. Where, then, this application could be accepted as a method of vanishing the cancer.

Keywords: *Cancer Natural Action, History of Old Diseases, Lengthening the Telomere, New Strategy to Treat the Cancer, Telomere Similarity of Cancer and Germ Cells, Treat Old Diseases before Cancer.*

Introduction

While the cancer subject is, generally, well known, then, the importance of this introduction is to explain the broad and significant factors of the cancer creation. The factors are those directly concerning with the main points to be discussed in this hypothesis research.

Therefore, in this regard, it is relevant to avoid any biological or chemical details, and to concentrate on the points related to the main topic of this paper.

Vital processes such as cell division and cell function are controlled by certain genes, where great damaging in some of these genes can lead to a cell to become cancerous [1].

Accordingly, cancer is a disease characterized, in literature, by the development of abnormal cells that divide uncontrollably and have the ability to infiltrate and destroy normal body tissue. This is because the normal cells' regulator mechanisms have been damaged. Then, when cells keep continuously dividing, [while new cells are not required by the body], a tumor forms.

The faulty genes may be inherited or caused by carcinogens (cancer-causing agents), such as radiation, sunlight, tobacco smoking and virus [2].

On the other hand, cells are continually exposed to carcinogens, but they rarely become cancerous for some reasons such as: cells can usually repair damages; more than one gene must be damaged before cancer develops; and the body's immune system often destroys any abnormal cells before they are able to multiply enough to form a cancerous tumor.

If this process fails, then, cancer developing is a matter of severe damaging to specific genes. Also, cancer is a group of many different diseases [3], it depends on the causing factor and the area (tissue) been affected. The target of this hypothesis is to rise a vital guide strategy leading to considerable decrease in the number of sufferers from the cancer.

Telomere and the Effect of its Length

Telomere is specialized composed of DNA – protein structure, where it is positioned at the terminals of each chromosome. Its function is to protect ends of the chromosome from damage and prevent the chromosome from fusion into rings or binding with other chromosomes in the nucleus [4].

Telomeres of most cells are shortened, (in each DNA replication), which is for each cell division where this is causing the cell to die after certain number of divisions. While the telomeres of cancer cells are extended by the control of enzyme telomerase, which is leading to that the cancer cells will form, over time, a tumor, and the cancer cells accounted to be immortal.

The shortening of the telomere is the result of the magnetic induction during DNA replication, which is governed by the magnetic phenomenon [5]. Therefore, the action of magnetic field, in turn, may be applied in such a way to help for treatment and then to cure from the cancer.

Concerning with the length, the telomeres in germ cells are different than those in somatic cells, where:

(a) Somatic cells are the great majority of the body's cells. After the age of the early fetus development, genes producing telomerase enzyme are inactive in the somatic cells, for the whole of the life.

When the replication process of DNA is taking place, the new DNA is left with the shortening of their telomeres,

comparing with those in the parental ones [4]. Inactive telomerase will not be able to lengthen these telomeres. This is an essential process to save the kind size.

(b) Germ cells are sperm and egg themselves described from progenitor cells. Telomerase, in turn, is highly active in germ cells line, extended their telomeres are brought to the zygote during fertilization, and serve as a species-specific zero – time length mark for the subsequent cell division in progeny. This is essential for the human and other kinds.

When there is no mechanism for replicating lost telomere, then all organisms with linier chromosomes (eukaryotes) would be condemned to quick extinction in their reproductive tissues. Also, genes which produce telomerase are active through the whole life in few special groups of cells. These groups are such as: antibodies producing immune cells, cells that replenish the gut lining and germ producing cells. In these cells, the telomere, at every DNA replication, is lengthening by the action of the active telomerase.

Causes and Consequences of cancer.

There are great number of factors which are producing cancerous cells [1], where they can be accounted as a complex list. Main factors are [2], environment pollutants, chemical effects, tobacco use, exposure to radiation and /or excessive exposing to sunlight, viruses, biological which is by excess hormones, and other factors which are, generally, accounted as less relevant. These factors are acting to damage genes, and to produce genetic faults within the cells [6].

It is shown that, many types of cancers could be prevented by experiences of many applications such as: non-smoking, providing healthy food, applying physical exercising, minimizing sunlight exposure, and being vaccinated against some infectious disease [7].

Methods to Eliminate Cancer

As that the cancer is various types, then, accordingly, there are many methods been applied in aiming to eliminate the cancer. The main methods are:

(a) Surgery therapy: which is applied to remove tumor, where it is a local therapy. Also, during surgery, it is usual to remove some normal tissue surrounding the tumor to maximize the chances that all cancerous cells are removed from the body. It has been indicated that remove tumors by surgery may leave cancer cells to remain and grow again.

(b) Chemotherapy: using chemotherapy to stop cancer cells from dividing can be effective in some types of cancers but not the others.

(c) Radiotherapy: it is a therapy of using high energy rays directed to damage cancer cells to eliminate their growing and dividing. The therapy is local, where it, may affect cancer cells only into treated area.

It is found that, medical use of ionizing radiation is a growing source of radiation-induced cancers. Ionizing radiation may be used to treat other cancers, but this may, in some cases, induce a second form of cancer [1].

(d) Biological therapy (or immunotherapy): it is a treatment of using the immune system of the body to fight infection and disease.

(e) Hormone therapy: it is a therapy that preventing cancer cells from getting or using the hormones they need. The therapy concerns with most breast and prostate types of cancer, which depend on hormone to grow. In order to stop

hormone production, a method of using drugs is applied, or a surgery has to remove organs produce hormone (such as ovaries or testicles). The therapy affects cells throughout the body.

Therefore, it is clear that, every form of the above treatments has its own side effect, which means it has the affection to harm healthy tissues under those treatment.

Discussion

It is believed that any attempt method to eliminate the effect of the cancer should, only, be applied by understanding the fundamental reason of its existence. This understanding leads to create a plan of strategy to deal with the cancer. To apply this concept, it should be concentrated on the original occurrence of causing the onset of the cancer. Accordingly, it is important to arise some practical results gained by researchers on the cancer and by its patients, in order to plan a right and significant strategy to cure from the cancer. These results show that:

A. Cells of a body are continually exposed to carcinogens, but they rarely become cancerous. This result is, believed to be, according to the action of the cells, which are usually repairing their damaged genes, [through the immune action]. This may often be done by destroying any cause of abnormal cells, which is to form a cancerous tumor.

B. While an acting factor creates cancer in some persons, but it is not the matter in the others. Where, if a cell becomes cancerous, then it has to be certain genes, that control vital processes [such as cell division], should become damaged.

C. Strengthening the body by useful factors such as, healthy nutrition, physical exercises, non – smoking, avoiding pollution, then the cancer could be eliminated.

By analytic the above results, some certain points should be looked at, they are:

i- The action of the cancer is not entirely created unless there will be carcinogen factors acting against some cells [or a tissue] of the body. Therefore, the occurrence of the cancer is lately existed, after the sever danger applied to the body. Accordingly, the cancer is not accounted as an agent acting to damage or deform the cells of the body.

ii. When a carcinogen effects the body while the immune system is immediately weak, then the cancer action is created. This action can be vanished in exact time that the immune system of the body is strengthening its ability. This is to show that: Although cells exposed to carcinogens, but the effect, may be, transient when the immune system of the body is to be able to eliminate the dangerous against the cells.

This is a situation as to prove that there will be no cancer is shown, when the immune action of the body eliminates the effect of the carcinogen on the cells.

iii- It can be assumed that if the body is naturally healthy, and it is currently not affected by any other diseases or damages, then, it is believed that there is no need to worry for a possible existence of the cancer.

iv. The danger process for the onset of the cancer will not exist unless a severe damage is applied against the vital functions which are controlled by the genes in the cells. Where great damage or disease, is threatening to dissolve the active functions of the genes, (with the lack of immune system to cure).

Accordingly, when the immune system is getting weak enough, which is not able to repair the cells been acted by the severe damage of the carcinogen, then a certain reaction has to be arisen to keep the balancing strength of the affected body. The existing of this reaction [by the body] is a sort of natural interpreting matter, which concerns with

the fundamental reason of being survival. This reaction is, believed, to be a mechanism tries to substitute both the damaged and dye cells, by new strong, healthy and active ones.

The procedure of the first performing step of this mechanism is to activate certain genes to induce the action of enzyme telomerase. Then, the telomerase, in turn, [at the replication process], tends to lengthen the telomeres of the DNA, for the existing cells and for those new [replicated] cells, in the affected area [tissue]. The lengthening of the telomere is, believed to be, counted as a vital performance which is to strengthen the structure process of the DNA molecule.

This procedure, which is targeted to be as cancer, is aiming to enforcing the function of the telomeres, [by lengthening them], which leads to create new stronger generations of cells. While the carcinogens are aiming to weaken and destroy the structure of the DNA, and then the cells. This is to explain that the cancer performance is to oppose that of the carcinogens. Therefore, the cancer is just created for the reason of the effect of the carcinogens sever factors, but the cancer, itself, is practically acting to oppose the action of these factors.

Also, for the ease concerns with the matter of the cancer, it is important to realize the inherent processes occur in the body, which are:

It can be seen that the action done by the cancer is although creating a tumor, but it is also producing a type of somatic cells similar, [in telomere- wise], to those important and fundamental cells, which are the germ cells.

In fact, the existence of tumor does not mean that the lengthening of the telomere is always a dangerous matter leads to cause threatening to create a tumor.

The lengthening of the telomere is essential and important process in the germ cells, [and, also, in the stem cells] of the body. This process, as a fact, is to secure the living kind regenerations, where the enzyme telomerase is active in these cells to performing the lengthening of their telomeres.

Thus, it can be understood that the cancer's aiming in this process is similar [analogue] to that of the telomerase enzyme in performing the lengthening of the telomeres, (in the replication process). While the difference is that each act on a certain sort of cell. It is believed that this realization is an important matter for the performance of the cancer of the cells, where it may lead to show the following:

Certain genes in severely affected somatic cells, may be encouraged to produce a kind of mechanism which could lead to create the cancer. Then, this is where, the vital genes that produce the enzyme telomerase, (which is active in germ cells), are similar to those genes which might produce a certain mechanism in somatic cells to lead to create the cancer. Which shows, to be active, (for the purpose of being), against the damaging to the vital function of the somatic genes. This means that, active genes in somatic cells try to cure their effected cells by creating an action, [a mechanism], to eliminate the sever action of the carcinogen factors.

The points, previously discussed, may indicate that, the onset of the cancer only occurs in order to overcome sever damages affecting the vital processes in cells, while the other circumstances, (such as the immune system of the body and outside therapy treatments), are not able to stop the dangerous damages. The analysis is an important, to understand the essential strategy for the cancer's existence, and for its performing activity. It is believed that this understanding for the fundamental existence of the cancer will have a great relationship to that strategy when planning to cure the cancer. That is, to find a vital method to stop the onset of the cancer itself.

Also, it may be seen that, the original target for the process of the onset of the cancer is as the following: a performing aim to work for the benefit of the cells of the body, while the side effect is a disaster. Although, the existence of that disaster may lead to discover a new strategy to cure the cancer.

As a matter of fact, the cancer process is substituting the telomeres from getting shorter, by preparing the lengthening at every DNA replication process in the somatic cells. This process will lead to create somatic cells to grow in regenerations without limitation, where they will be immortal [do not die]. This is believed to be exactly the target of the cancer process, as long as its aim is to overcome the severe damage which effecting the vital function of the genes. Accordingly, the process of the cancer to eliminate the severe damage in the cells is performing as that is showing in the following model:

When a severe action damages the vital function of a cell, a programming coding in the cell will be encouraged to be active, in reaction, to oppose that danger damage. The initial reaction against the damage is, then, to activate the ability of the vital cell's functional in order to eliminate the cause of that damage. This reaction can be done by overcoming both the weak cells and those cells which are lost their performance for vital processes. So, [after this overcoming], the damaged tissue remains with lack of the number of cells.

Accordingly, the process, then, may be continued by trying to substitute these damaged cells by producing an increased number of healthy and active ones. This is to secure the continuation of increasing enough number of healthy and active cells in the damaged tissue. Then, in order to settle this state, lengthening the telomere should be secured throughout the cell regenerations, (for daughter cells), in the area of affected tissue. This process is accounted as a great method to keep the tissue possesses healthy and active cells as substitution for those weak and dye cells, and to face future sever damages.

Therefore, it may be relevant to comment on the natural existence of germ cells and cancerous somatic cells, where to show that:

Lengthening process of the telomeres of the germ cells is essential, [where this process is to keep the fundamental inherent of the living kind]. At the same time, germ cells are not representing a sort of tissue of cells. It is to say that there is no way to think that whether there is a tumor or not when the telomeres of these germ cells are always lengthened.

While, concerning with the somatic cells, it is essential to keep the telomeres shortening after each DNA replication process. Otherwise, the living kind will grow in huge shape, as a result of a continuous dividing of non-dying cells. This is the effect of the cancer.

According to the above discussion, it is believed that the cancer can't be counted as a negative agent, and it is for this matter, the cancer can be identified as:

A fundamental inherent mechanism which is created to eliminate severe damage to the vital process of the cells' performance, while the side effect of the cancer function is of great danger to the whole body. If the above explanations are true for the cause of the cancer existence, then, it is believed that there should be a certain method as a logical strategy to be followed for the possible cure of the cancer.

This should be depending on the fundamental points to be arising, as the following:

a- Some types of cancers occur many times in a person's life, [but] their effect is transient and ended after short

duration of time, without leaving any side effect. This is performed when a sort of damage or disease, [which may cause the cancer], is cured, - [but not the cancer itself] -, by the body's immune or by a reasonable medical treatment. Therefore, the vital genes find that there is no need for the cancer phase to be active for healing, i.e., the cancer will not continue to exist.

b- The existing of the cancer is when a cell (.s), is severely affected by carcinogen factors as radioactive, highly concentrated of chemicals, etc...It is, then, really dangerous to apply the same traditional methods, in the aiming to treat the cancer. This means that to cure the cancer, it is using similar methods to those which are causing it. It is believed that this is a case as if trying to eliminate the cancer, but by forming another phase of the onset of the cancer itself.

Therefore, the essential matter is that the effect of the cancer will remain functioning if the treatment is concerned with the application of the same traditional methods, [hard treatments].

Accordingly, the cancer may be cured by applying a method of new strategy. This strategy concerns with that related to the natural mechanism, which has created the cancer itself. The suggested strategy is as the following:

Suggestion Strategic Method to cure Cancer.

According to the discussion matter, it is, believed that, to cure from the cancer, there are certain applications would be suggested, and they are as the following:

A. Initially, it must be fully investigating the history of a patient's diseases, to deeply explore all diseases, (and actions), been existed before the onset of the cancer. The exploration is to be in particular for the disease(s) occurred in the time just preceding the cancer attack. That is to fully justify what were, historically, the kind of previous diseases, (or actions), which may cause cancer.

B. The emphasize is, then, concentrating only to fully cure from these previous diseases. This means that, in this step, [and the later steps of the treatment], it should be entirely ignored the existence of the cancer and only to draw the full attention to treat and cure these previous diseases, (or actions).

C. It must be treated in the immediate area surrounding the effected cancerous tissue to prevent any sort of diseases, or any possibility of the cancerous cells overcoming them.

D. The treatment, to the previous diseases, should be comprehensive and bases on the followings:

- i). using the simplest materials and components when applying chemical or surgical methods, and
- ii). Neither to use any form of radiation, hard surgery or strong chemicals, nor to expose (or subject) the effected tissue to what may damage it.

E. It is very important to continuously have healthy food, especially of that, fruits and vegetables.

F. Apply a certain strength and direction of a magnetic field, in order of possibility, to treat the cancer cells. Where, in this application, the action of the induced magnetic field may perform a reduction in the length of the telomere of the daughter DNA during the replication [5].

When a body is fully cured from its previous disease(s), or any dangerous factors, it is believed that the body [or the effected tissue] is, now, in stable and healthy conditions, where there will be no need for extra treatment. Then the onset of the cancer is stopped.

It is according to the fact that, when people are affected by the same sort of disease, some of them are not liable to contract the cancer, but the others are liable, then:

In the first case, it is the strength of the body, [by factors as that of the immune system], that cures it from the previous disease. While in the second case the immune system of the body was unable to combat the other ailment, hence the consequences then a turning to another cured mechanism, and were, cancerous attack.

This confirms the believe that, if there is an ability to eliminate the previous factors causing the cancer, then it is no longer for the cancer to be existed. Finally, treating and fully curing the previous diseases is assumed to be a fundamental method to keep the cancer out.

The outcome of applying this strategy would be believed to show a great reduction in the number of the death rate among the cancer patients.

Conclusion

The essential reason for the onset of the cancer on cells, is to eliminate the severe action against the vital process of the cell's function. This means that the cancer has to be strategically understood in different manner than that of the traditional way. This understanding should be associated with the type of treatment method which is applied to heal the body from the cancer itself.

The successful method of healing from cancer may occurred by full treatment method which is applied against the factors that were causing the cancer. It is not by direct treatment applied to the cancer itself.

Treatments by applying the traditional methods are believed to be danger. They are the methods of trying to treat the cancer, but, truly, they are helping to cause the onset of the cancer itself.

References

1. Little JB (2000). "Chapter 14: Ionizing Radiation". In Kufe DW, Pollock RE, Weichselbaum RR, Bast RC Jr, Gansler TS, Holland JF, Frei E III. *Cancer medicine* (6th ed.). Hamilton, Ont: B.C. Decker.
2. Anand P, Kunnumakkara AB, Sundaram C, Harikumar KB, Tharakan ST, et al. (September 2008). "Cancer is a preventable disease that requires major lifestyle changes". *Pharm. Res* 25: 2007– 2116.
3. Cancer Research UK: (2012) *Cancer Help UK*".
4. Blackburn EH (2000) Telomere states and cell fates. *Nature* 408: 53-56.
5. Rojeab, Adnan Yousif. (2014) The Processes of DNA Replication and the Shortening of the Telomere are Influenced by the Action of the Magnetic Field. *International Journal of Genetics and Genomics* 2: 114-120.
6. Kinzler, Kenneth W, Vogelstein, Bert (2002). "Introduction". *The genetic basis of human cancer* (2nd, illustrated, revised ed.). New York: McGraw-Hill, Medical Pub. Division. p. 5.
7. Kushi LH, Doyle C, McCullough M, et al. (2012). "American Cancer Society Guidelines on nutrition and physical activity for cancer prevention: reducing the risk of cancer with healthy food choices and physical activity". *CA Cancer J Clin* 62: 30–67.