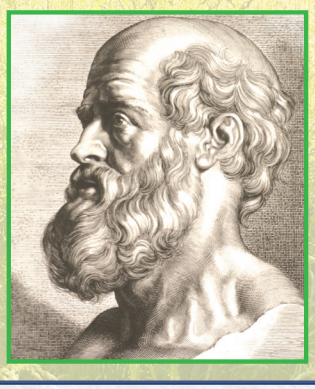
Serge Jurasunas Naturopathic Cancer Treatment Strategy

Nature is the Healer of Disease

Hippocrates 460 - 370 BC



NATURA MEDICATRIX

Serge Jurasunas

Clinical Strategy

Holitherapias - Lisbon

2023

INTRODUCTION

This Naturopathic clinical cancer strategy incorporates both naturopathic medicine and advancements in cancer treatment based on a multi-approach to the disease that includes targeting apoptosis, immune cell activation, angiogenesis, restoration of cellular respiration, inhibition of inflammatory mediators, not mentioning some secondary factors such as detoxification, improving the microbiome, and the nervous system. I believe that a real breakthrough in cancer needs to promote immune system enhancement and activate apoptosis. These two important mechanisms of approaching cancer, principally through the clinical application of the P53 tumor suppressor gene and other apoptotic players that for the past 15 years have been included in my cancer strategy as a diagnostic, prognosis, and follow-up treatment. P53 mutation or mutated P53 protein remains the essential factor when it comes to treating cancer either from conventional therapy or an alternative approach or in combination.

I believe that the importance of P53 mutation or mutated P53 protein is still not well understood by practitioners and Doctors of Naturopathic Oncology because the P53 gene is not only associated with apoptosis, but also involved in a network of genes with cross-talk between each other like ID4, a crucial regulator of immune response and angiogenesis; TGF-B, NF-KB, c-MYC, etc. When a mutated P53 gene cannot modulate these genes and proteins and dysregulation affects their normal function and are responsible for apoptosis suppression, angiogenesis, cancer growth, and metastasis invasion. These are not the only factors associated with apoptosis inhibition. So P53 mutation is not only suppressing apoptosis, but involved in cancer progression by, increasing glycolysis and telomerase activation as explained in my cancer protocol.

Over the past decades, I have treated thousands of cancer patients of all ages, all types, and all grades and developed several cancer protocols that over the years have changed because several excellent anticancer therapies had been removed from the market by new legislation. Many varieties of herbs were deemed toxic. An example was Condurango, an African herb I had successfully used for treating stomach cancer. However, in the past, I personally developed other innovative therapies manufactured for the needs of my clinic. These included stem cell therapy, a combination of frozen embryo organs to be taken orally, a whole injectable therapy (SJ Therapy) made from essential oils, and a unique herbal formulation, used exclusively in our clinic. I was always at the leading edge of science. In treating cancer, for example, I was the first person who introduced and used organic germanium in Europe and even in the US, during 1974. In 1969, I became acquainted with the theory of mitochondria and cancer, as well as cellular respiration. I started immediately to use the famous Enzyme Yeast cell preparation developed by Dr. Siegfried Wolz in Germany, according to Otto Warburg's theory. I started my first clinic (not consulting office) in 1978 in Lisbon. This was followed a few years later by a new large 3 story clinic outside of Lisbon, with an organic vegetable and fruit garden.

This clinic soon became a center for teaching and learning how to treat cancer under my method. Many doctors from Europe, the US, and Central America came to Portugal to devote time to attend educational seminars that I organized. I personally have traveled all over the world to lecture, but also meet colleagues from whom I could also learn. In 1979, I flew to San Francisco to meet Robert Bradford, PhD., who introduced and developed the Oxidative Dried blood test and later on the Live Blood Analysis, by developing a new microscope system capable of 15,000 x magnification. Dr. Bradford was a real brain, and we worked together to improve and update the oxidative dried blood test, but also to innovate new cancer treatment protocols. Bob was one of the first innovators to open an integrative cancer hospital in Mexico. During one visit, we flew to San Diego and then on to his hospital in Mexico.

Later on, he moved near San Diego to be closer to the hospital. We maintained close contact and had meetings in different European cities during the Annual American Biologics International Symposiums of Integrative Medicine that attracted renowned lecturers. We collaborated on cancer research for over 30 years, especially on updating the Oxidative Dried Blood Test. I even was an advisor at his hospital in Mexico before he died. He was a co-founder of Capital University of Integrative Medicine with Dr. Majid Ali. In 1996, I was appointed as a CUIM Professor.

About 30 years ago I made contact with Dr. Vassily Nowicky, a Ukrainian researcher who settled in Vienna (Austria), who discovered new molecules he had extracted from the herb, Chelidonium Majus with anticancer properties called Ukrain. It had been used with considerable success and was the subject of over

160 scientific papers from Universities and Laboratories. Ukrain was used by doctors all over the world and of course, was included in my cancer protocol. Several of my reports were published in the Townsend Letter. The articles were written about clinical cases which were treated with a protocol based on Ukrain, RBAC, etc. (See: "A Case of Advanced Colon Cancer Treated Successfully without Chemotherapy").

However, in 2013, the natural anticancer agent Ukrain, manufactured in Dr. Nowicky's laboratory was brutally removed from the market by the Austrian authorities. I wrote an article about this sad story in the Townsend Letter magazine (Feb/March 2013), explaining the situation and giving some references about the anticancer efficacy of Ukrain, especially with pancreatic cancer. Ukrain was even presented during the "Expert Conference on Pancreatic Cancer," in Paris France, chaired by the famous French Oncologist David Khayat and Margaret Atempero from San Francisco, USA. Posters even referred to my work. The removal of Ukrain from the market was tragic since so many patients around the world were treated with and depended upon Ukrain. As a result, many of them died.

Dr. Joseph Brenner, the Oncologist that I referred to earlier, when speaking about Rice Bran Arabinoxylan had already been using Ukrain widely in his clinic for most cancers, but especially for difficult cancers such as pancreatic cancer together with a COX-2 inhibitor. In this particular cancer, COX-2 was activated 90% under the normal level. We had discussed the Ukrain treatment on several occasions, and he expressed regret over the attitude of the Austrian Health Authority. This is why I was obliged to change my protocol not having Ukrain treatment anymore. However as I will explain further more recently Ukrain became available again under the scientific name of Celandine- NSC 631570.

About 28 years ago I learned about a new compound developed by Daiwa Laboratories in Japan, derived from modified bran rice called Biobran. It had strong anti-cancer properties which stimulate NK cells, known as a Biological Response Modifier. Biobran stimulates other immune cells such T-B, macrophages, dentridic cells but also inhibits Treg cells that when activated, suppress immune cells. At the time, I was lucky to have met a man from Japan involved in the business of natural anticancer agents and health supplements. His job was to search for new products or substances with medicinal properties. Over the years we became good friends since he also organized several seminars about Biobran in Europe. He was the person who introduced me to the Super Grow Energy Stone and Manda enzyme therapies that I refer to in my cancer protocol.

One day I decided to start an experiment in my clinic using Biobran alone (now called Rice Bran Arabinoxylan Compound) or in conjunction with other dietary agents. The results were so good that I kept on using it in my protocol, even today. Subsequently, I participated in several seminars organized to promote Biobran. I was surprised to notice the participation of oncologists and other reputable doctors presenting lectures resulting in the application of Biobran in their cancer protocol.

Ben Pfeiffer M.D, Ph.D., Professor of Oncology from New York and now Director of the Aeskulap Clinic in Switzerland, lectured several times at the Biobran Seminar and presented RBAC (Biobran) as one of the major compounds included in his cancer protocol, especially for prostate and breast cancer. To date, after Ben Pfeiffer became a prostate cancer specialist, he accumulated over 1200 clinical cases.

A few years ago I participated in the 5th International Biobran Workshop held in Krakow, Poland with Professor, Dr. Rupert Handgretinger from Germany, Professor of Pediatric Oncology and Chairman of the Dept. of Children's University Hospital, Dept. of Hematology/ Oncology in Tubingen, who was one of the top lecturers. Professor Handgretinger's research is focused on immunotherapy approaches for pediatric treatment of various malignant diseases. During the workshop, he presented a paper, "Arabinoxylan Rice Bran (Biobran) Enhances Natural Killer Cells and Mediates Cytotoxicity against Neuroblastoma in Vitro and in Vivo". Professor Tibor Hajto M.D. immunologist from the University of Pecs Hungary presented a very interesting paper based on the use of Rice Bran Arabinoxylan compound + lectin (from Mistletoe) together with some excellent clinical cases. Professor Hajto has spent 30 years to investigate about active lectin which represent a similar structures with Rice Bran Arabinoxylan.

Another lecture was presented by Joseph Brenner, M.D., Oncologist Director of the New-Hope Institute of Integrative Medicine and Cancer, former head of the Oncological Institute of the Wolfson Hospital in Holon Israel. Dr. Joseph Brenner advocated an integrative approach to treat cancer where he combined hyperthermia and Biobran, with a healthy food diet. He was educated at the famous Sloan Kettering Institute in New York City. One day Dr. Brenner realized that chemotherapy was not giving the expected results, since too many patients were dying. As a result, he turned to integrative medicine. One day he read one of my articles

published in Townsend Letter magazine, and then came to Lisbon from Israel to visit me and learn what I was doing with my cancer treatment. At the time he was not using a special food diet with his patients, but after we met and kept in close contact he started to include diet in cancer protocol.

I also presented a one-hour lecture on, "New Strategies to Treat Cancer" based on apoptosis, angiogenesis, and immune support, focusing on Rice Bran Arabinoxylan (Biobran) together with several clinical cases. Other renowned doctors and immunologists also presented interesting lectures relating their personal experience with Biobran.

Just after my presentation, the audience showed particular interest in my clinical cases. Also the general manager of Daiwa Japan, present at this important meeting invited me to write a book about my experience with cancer, with Rice Bran Arabinoxylan compound included in my protocol. So after some reflection I decided to write the book. My new book, "Cancer Treatment Breakthrough-Immuno-Oncology, using the Rice Bran Arabinoxylan", was based upon 25 years of experience treating cancer using Biobran, but the book also includes information about my new work and approach to cancer using the Molecular Marker gene testing, especially on the P53 tumor suppressor gene. Today you can find about 60,000 publications on the P53 gene and P53 mutation in cancer, which currently remains unknown in clinical application.

This became my work, where today I focus on applying the results of our cancer patient's blood testing with the use of several selected natural compounds that either activates pro-apoptotic genes or inhibits anti-apoptotic genes along with other apoptosis inhibitors. Our new approach focuses on telomerase activity regarding P53 gene expression associated with tumor growth and to improve the test ratio. In this document, I present my complete approach to cancer and include several natural compounds that have demonstrated efficacy to decrease telomerase activity and increase or reverse P53 mutation. When I started working with P53 gene expression and P53 mutation I was obliged to personally experiment with a variety of natural compounds, essentially because no information was available at that time. Even today I may say this remains the case.

However, I was lucky to meet Dr. Olga Galkina, Ph.D., a Russian scientist, and specialist in the P53 pathway, who inspired me to acquire further knowledge about P53 and other apoptotic players. Notice that I have included information concerning activated telomerase in cancer and the role that the P53 gene plays in down-regulating telomerase. Currently, this new idea to test the telomerase/P53 ratio is being taught by Dr. Galkina (see my cancer update reference). Today we know about several natural compounds that can activate apoptosis but what about a mutated P53 gene or even mutated P53 protein? Over the past years, I wrote several articles on these subjects, which were published in the Townsend Letter, referenced in this document. ("The P53 Tumor Suppressor Gene, Understanding P53-Based Anticancer Therapies Utilizing Dietary Agents". Townsend Letter August/Sept 2015.

I recently decided it was time for me after 56 years of practice, to work out this complete protocol or Naturopathic Clinical Strategy of treating cancer. Using my personal approach here you have a real basis when it comes to understanding and treating your patient. For instance, you may know if the anti-tumor activity is higher than the pro-tumor activity or vice versa. You may know if there is a probability of circulating cancer cells and how to resolve them. You know if the P53 gene is mutated or only the P53 protein. This is the only way to fully understand the cancer of your patient and how to treat it in a way leading to improvement. I do hope that this document on how to approach cancer may create more interest from doctors of Integrative Oncology and Naturopathic Oncology that need to update their knowledge.

Serge Jurasunas

Laureate, recipient of the Albert Schweitzer Lifetime Award for Outstanding Achievement in Medicine, (2023)

Therapeutic Options for Cancer Treatment

Conventional Oncology

- Surgery
- Radiation
- Chemotherapy
- Hormone Therapies
- Immunotherapy (toxic)
- Gene Therapy

Toxicity, side effects - from middle to severe, including death

A Global Approach to Cancer

As a rule cancer should be attacked in as many directions as possible. In this way the patient has the best chance to attain a cure, and survive the disease. The aim is to treat simultaneously most of the tumor mechanisms, the cause of the tumor and the whole body by protecting healthy cells. Chemotherapy and radiation is the cornerstone of oncology however not very efficient in case of metastatic cancer and this is why it need a support in order to increase the destruction of cancer cells through apoptosis, protect the body from the damaging effect of chemotherapy, or stabilize the disease with no progression.

Complementary Oncology

Restoration of the P53 apoptotic pathway and other pro-apoptotic genes

Blocking the activity of the BcL2, survivin gene expression.

Harnessing NK cells activity.

Stimulation of the non specific immune system. (lymph nodes, thymus, spleen,)

Targeting angiogenesis.

Decreasing inflammation.

Decreasing oxidative stress

Blocking the activity of NF-KB, Cox 2, PGE2.

Strengthen the nervous system,

Targeting Tumor Microenvironment.

Improving oxygen supply by detoxification of blood circulation, lymphatic circulation and combat anemia

Inhibition of the platelets aggregation.

Increase cellular respiration by repairing Mitochondria DNA components and increase ATP production.

Inhibition of glycolysis pathways

Improving the efficacy of chemotherapy/radiation by increasing apoptosis, decreasing cancer cell resistance and reducing toxic side effects.

Cox2 and PGE2 can block the NK cells activity in the Tumor Microenvironment and induces pro-angiogenic factors VEGF and MMP2, MMP9.

Restoration of body's function including liver kidney, colon, intestinal microbiome.

Improving the energy levels of the patient and weakness of the nervous system.

Based on my experience and now admitted by Japanese and Korean researchers cancer needs to be targeted into three main directions.

Promote apoptosis which is significant Hallmark in cancer

Inhibit angiogenesis. One main Hallmark in cancer.

Reestablish NK cells function.

This what I have done for the past 25 years. I have used a number of selected natural compounds including small molecules to reactivate mutant P53 to normal P53 tumor suppressor gene and also increasing level of P53 normal protein. I have selected natural compounds that inhibit angiogenesis and increase the immune defense specially focusing the NK cells activity as one important anticancer approach.

Complementary

Anticancer food, nutritional diet, dietary compounds, today alternative or complementary cancer therapy is well divulged and include a number of approaches that include:

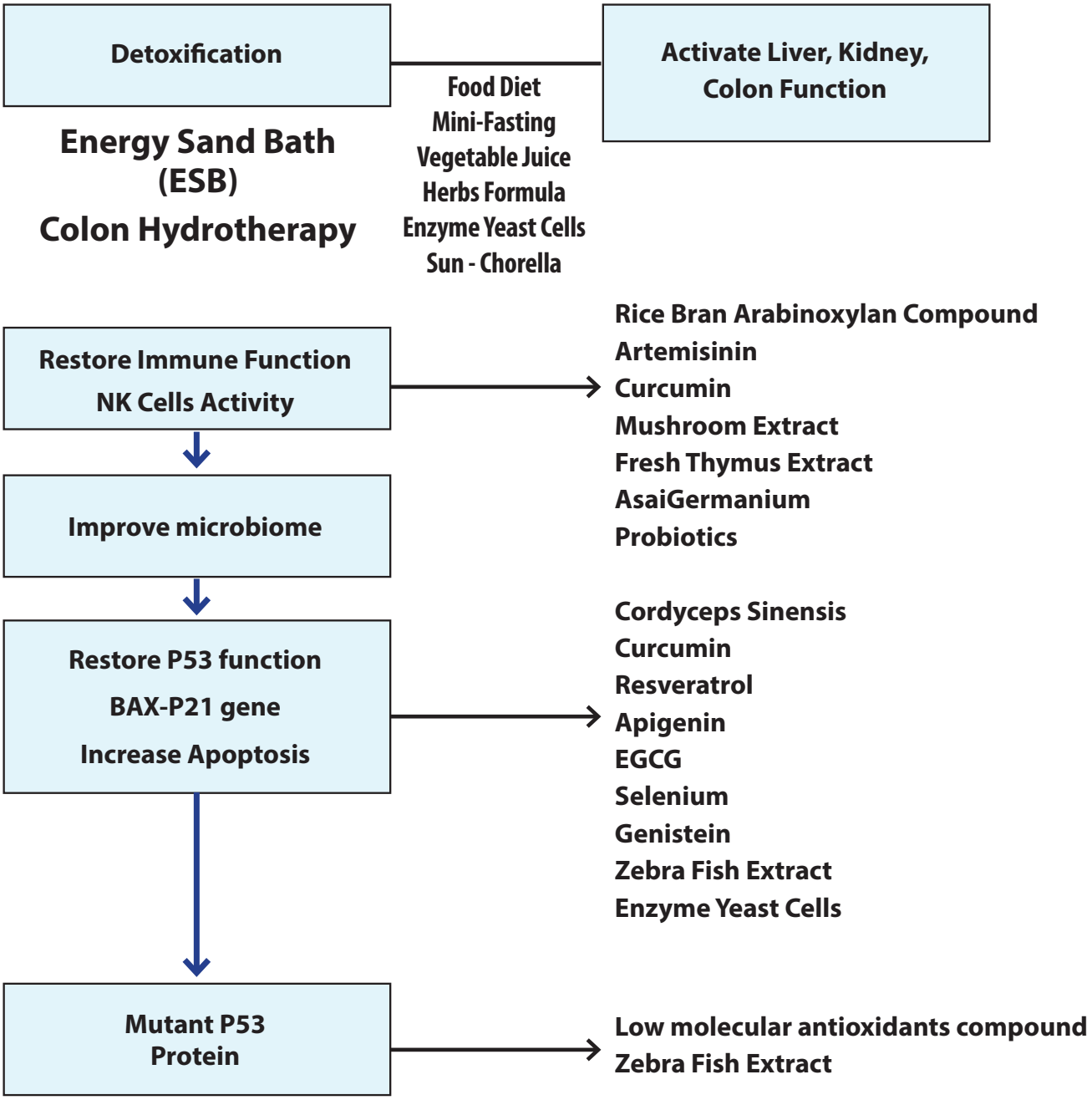
- **Hyperthermia therapy**
- **Diet therapy**
- **Telomerase therapy**
- **Microbial therapy**
- **Immunotherapy**
- **Natural dietary compounds**

Concerning Telomerase therapy I am one of the pioneers by doing telomerase testing and using the proper natural compounds that inhibit overexpressed telomerase activity.

How to Approach Cancer and the Patient

- Each patient is an individual, having different age, genetic status, hereditary status, physical and psychological conditions, different immune response, stress conditions etc..
- Each patient responds individually and differently to the same type of cancer and chemotherapy.
- Each patient may need a personalized treatment based on results obtained with molecular markers testing and other check-ups.
- A comprehensive approach of the patient includes Mind-Body-Spirit which is the aim of Holistic Medicine.

Serge Jurasunas
Naturopathic Cancer Treatment Strategy



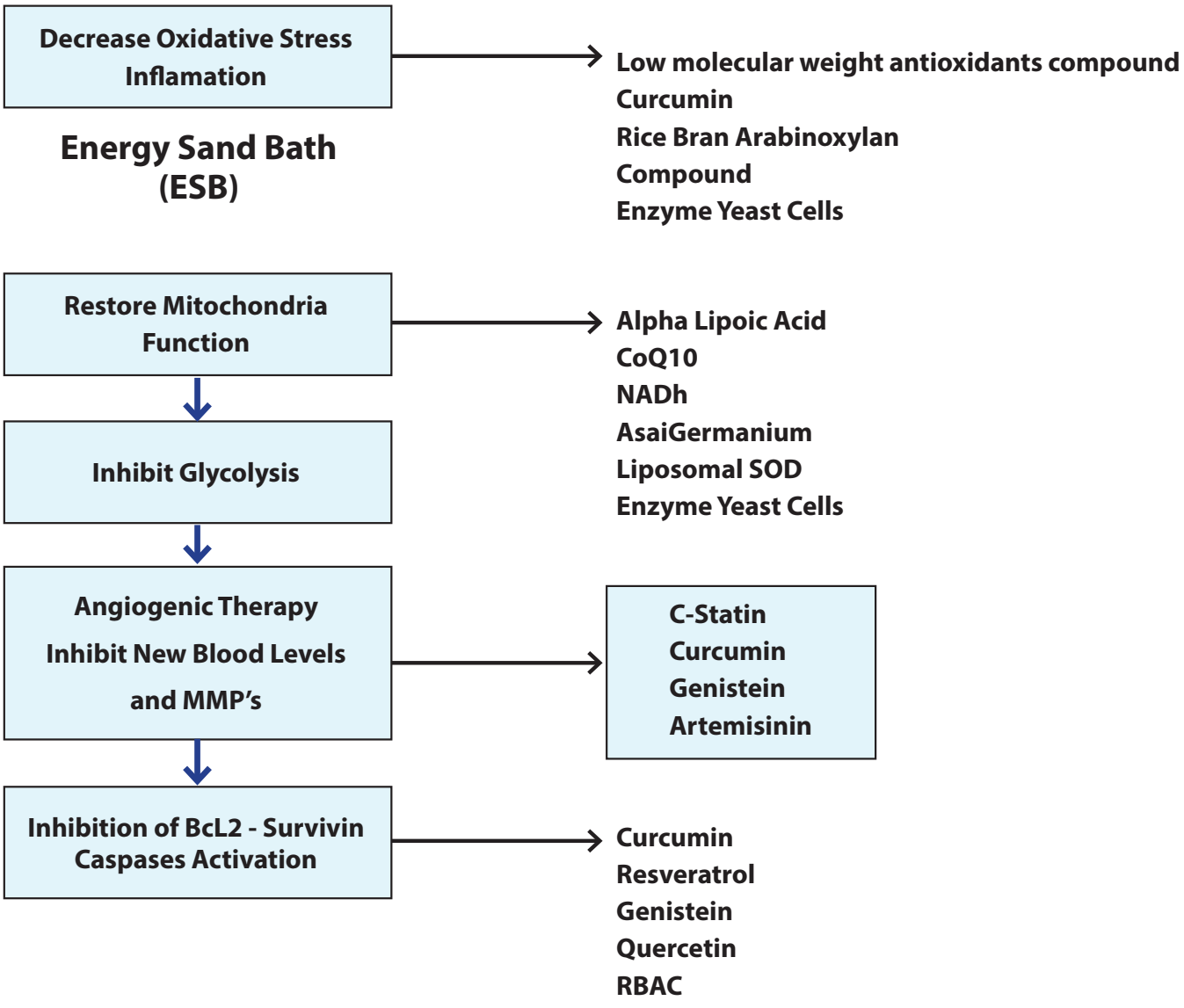
Tegaran (Zhen Hua)

Soy extract produced via a special fermentation process. It contains bioactive genistein, dardzhein, glyceitin. Tegaran has been approved in Germany as a food for special medical purpose for biological cancer treatment and adjuvants of chemotherapy.

- **Increase immune function, boost NK cells activity.**
- **Activation of Bax gene expression.**
- **Inhibition of BcL2 gene expression.**
- **Decreasing activity of VEGF, NF-KB. .**
- **Increasing P21 gene expression. (P21 is considered as a tumor suppressor)**
- **Decreasing Telomerase activity.**
- **Inhibit MDR1 gene.**

While Tegaran is indicated for most cancer, it has shown much efficiency in cases of prostate and breast cancer and with patients with cancer recurrence. Tegaran increases appetite of patients during chemotherapy and contributes to weight gain. Tegaran is recommended for patients with physical disability and lose of weight. Tegaran works very well in elderly cancer patients improving their physical condition and decreasing tumor markers. For several years I have included Tegaran in our cancer protocol with excellent results specially in elderly patients. They feel more energy, gain weight and tumor markers usually steadily decrease.

Article: Serge Jurasunas. "The Molecular Basis of Prostate Cancer and Targeting Therapies". Townsend Letter August/Sept 2017



Natural Anticancer Agent

Ukrain. (NSC 631570) This therapy has been used during several decades by clinics and hospitals of alternative cancer in several countries and by hundreds of doctors. NSC 631570 is a natural anticancer drug with cytotoxic property to cancer cells but not healthy cells. An impressive accumulation of over 160 scientific reports has shown the anticancer properties on a variety of cancers including pancreatic cancer. The ingredients of NSC 631570 is an alkaloids mixture extract from the root of the celandine discovered by Dr. Nowicky. NSC 631570 works in synergy with chemotherapy increasing the killing of cancer cells. NSC 631570 increases the number of NK cells and T-cells, have strong angiogenic effects by blocking the induction of new capillaries and block the division of cancer cells thus stimulate the death via apoptosis.

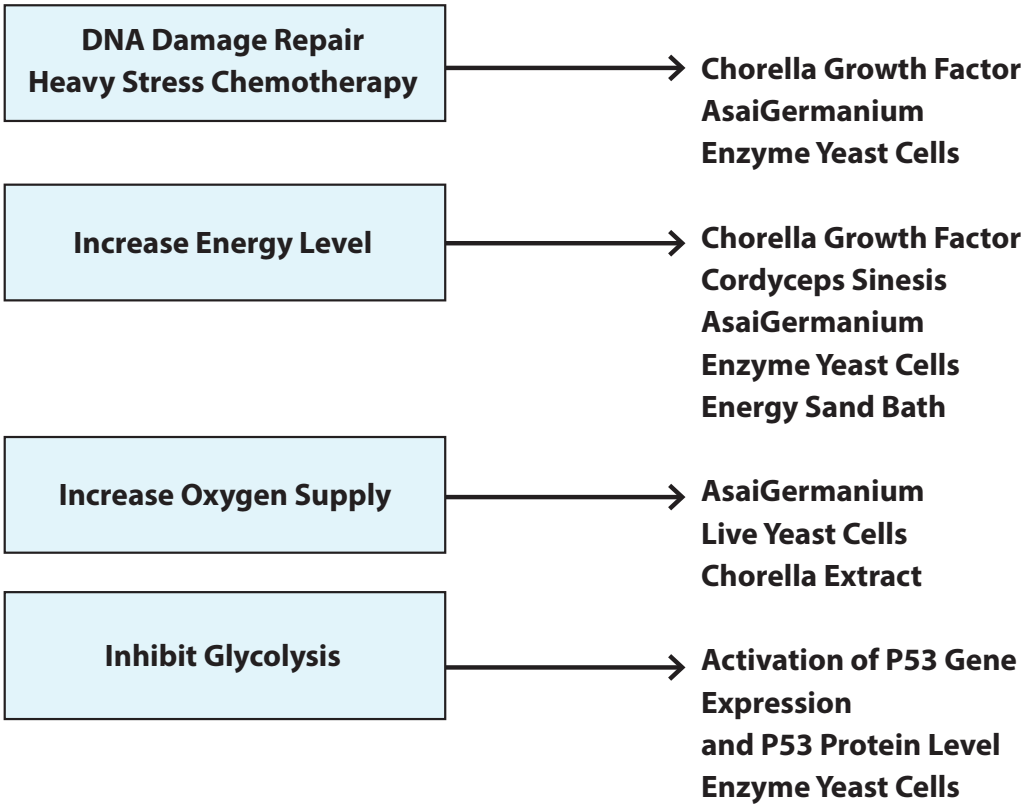
During at least three decades I have used NSC 631570 with my patients together and without chemotherapy and have published several case studies of cases with metastasis conditions in Townsend Letter the magazine of Alternative Medicine (USA). However today for several reasons there are no longer Ukrain ampules but only rectal suppositories with the active ingredients from the pure root extract of celandine (chelidonium majus) call Celandine NSC 631570, (not Ukrain anymore). Rectal suppositories are chosen as the form of administration as these are much easier than I.V. and can be more easily absorbed by the body. Thanks to the first-pass effect rectal suppositories do not burden the liver. These suppositories are individually manufactured according to the patient's disease and stage of disease needs in a certified pharmacy.

Article: Serge Jurasunas. "New Advance in Pancreatic Cancer". Townsend letter. August/Sept 2009.

A case of advanced pancreatic cancer with metastasis with complete remission. E. Ermot and K. Schmidt. "Ukrain- A New Cancer Cure?" A systematic Review of Randomized Clinical Trials. BMC 2005. 5-69

K.N Uglyanitsa et al. Ukrain. a novel antitumor drug. Drugs Exp Clin Res 2000

Niccola Funel, Francesco, Francesco Costa, Ukrain Affects Pancreas Cancer Phenotype in vitro by Targeting MM-9 and intra-/Extacellular SPARC Expression. (Test done in the University of Pisa) Pancreatology 2010-10-545-552
Serge Jurasunas, A medicopolitical plot in Austria Against the Natural Anticancer Agent Ukrain. Feb/March 2013



Energy Sand Bath (ESB) from the Stone Tenko-Seki, Super Growth Energy Stone. (SGES)

Over 20 years ago I start to use SGE (Super Growth Energy Stone) which is a volcanic mineral stone which was discovered in 1978 near Mt Ohkue close to Takachiho Gorge in Kyushu Japan. SGE contains over 50 minerals including rare minerals not found in other stones, a natural radioactive isotope 40K and far- infrared radiation of 4-14 microns wavelength that remove heavy metals from the body, activate healthy cells remove oxidize lipids and also shown efficacy on the human body to inhibit cancer cells. The SGES is use as a complement in tablets, or as a bath. (See the reference about my article I published in Townsend Letter in June 2000). The original bath developed in Japan consists on a special tub fill up with one tons of SGE ceramic balls heated with special equipment very difficult to export and was at that time far too expensive. So I asked the owner of the company to develop a bath with the stone reduced to powder that we call the Energy Sand Bath. However today the SGE bath is also available with crushed stones which can be keep indefinitely. Also this crushed stone can serve as poultice to be applied on large breast tumors to reduce inflammation or reduce the size of the tumor very quickly. I have use this SGE poultice by using small ceramic balls of SGE kept in a bag and heated with many cancer patients. In Japan Dr. Yukie, Niwa MD, Ph.D, Immunologist, Oncologist, head of the Institute for Immunology, well known researcher, a world authority in SOD who caused a sensation worldwide with his finding on the effect of free radicals associated with most disease, cancer and aging. Dr Niwa runs his own hospital in Japan (Tosa Shimizu hospital) as well as 9 clinics. The Niwa Research Institute of Immunity work conjointly with the hospital. Dr. Niwa uses Naturopathic Therapy as he call it instead of drugs. He developed several anticancer agents such as small molecules of antioxidant compound from modified vegetables Chinese herbs and seeds using a special process. The natural substances are exposed to far infrared rays and to a bacteria to turn the compound into a low molecular weight antioxidant, with a strong SOD like activity to be included in cancer treatment. He also uses the therapy of the SGE stone in tablets together with the bath as normal treatment in the hospital because both also having SOD like-activity. He found that SGE has a remarkable effect on various types of cancer such as breast and lung cancer. We know that chemotherapy decreases SOD in lungs while SOD activity is about twice lower in lungs than in liver so it contributes to the increase of inflammation and dissemination of metastasis cancer. One of the phenotypic properties of a cancer cells has been low SOD compared to normal healthy cells. This is why Dr Niwas obtained remarkable results in treating lung cancer using both SGE oral tablets, low molecular weight antioxidant compounds with SOD like activity together with few other compounds. After many years of fighting the Pharma lobby, he has been able to prove to the authority that in certain cases his natural anticancer drugs are more efficient than conventional medicine and above all without side effects. We met at the 3rd International Conference on Superoxide Dismutase at the Institute Pasteur on June 2004 in Paris and I have learned from him about the negative effects of free radicals and specially concerning the therapy of SOD he used in the treatment of cancer. This is why I use a low molecular weight antioxidants compound similar to the one of Dr Niwa made from modified vegetables and seeds with a special process with a strong SOD like activity and obtain remarkable results. Oral administration of SOD tablets is not effective because the enzymes are poorly absorbed and poorly effective to penetrate cells and has a short circulatory lifespan. What is absorbed is quickly eliminated by the kidney. In the past before the scandal of the mad cow, SOD was manufactured from bovine extract and made injectable but after being prohibited, my product is quickly absorbed by the body and stays active longer for immediate healing. Dr. Niwa calls it a Drug Delivery System (DDS). So this is part of my therapy treating cancer using this low molecular antioxidants compound in sachet granules, first for better absorption and because been protected from light from oxidation. All plants and seeds separately contain large quantities of antioxidants, but are poorly absorbed because they are trapped within the polymer structures and this why the large molecules (as SOD) need to be split into small molecules to be fully absorbed by the body.

This ESB increases immune function, reduces inflammation, reactivates and vitalize SOD enzyme so it acts as an SOD bath. It increases energy levels, improves blood circulation and detoxifies heavy metals including expulsion of oxidized fats and contributes to inhibit tumor growth. The bath is to be taken at a hot temperature to act as hyperthermy therapy. When I started using the SGE treatment it was practically unknown in Japan, except Dr Niwa, however today the medical effect of SGE stone is widely used in Japan by a number of medical doctors in their clinics. They are doctors of reputation such Dr Shigeyuki Hirose (Hirose hospital) and Dr Michihiko Ueda and Dr T. Hotta who uses both SGE tablets and bath at Hotta hospital for cancer patients. The Energy Sand Bath (ESB) can be done at home using a large tub bath or even in a clinic supervised by a nurse.

Article by Serge Jurasunas. "A Far infrared Ray Emitting Stone (SGE) to Treat Cancer and Degenerative Disease". Townsend Letter. June 2000.

Dr Shigeyuki Hirose. SGE – From the Wiepoint of Health (online)

Important Strategies in Cancer

Targeting the immune system and apoptosis through P53 tumor suppressor gene

1. Activating Natural Killer (NK) cells as a Based-Anticancer Therapy.
2. Activating apoptosis pathway by targeting pro-apoptotic and anti-apoptotic genes and other inhibitors of apoptosis.
3. The higher the level of normal P53 proteins is produced the more cancer cells are destroyed.
4. The higher the level of mutated P53 proteins the more cancer cells become resistant and promote metastasis invasion.

Mutation of the P53 gene (50% of all cancers) is associated with tumor growth, metastasis invasion and cancer recurrence. However even if the P53 gene is not mutated, mutated P53 proteins can be produced and can be considered as a translational event during protein modification. WT (normal) P53 gene is an activator of the anti-tumor Bax and P21 gene whilst suppressing the oncogene BcL2 and the anti-apoptotic inhibitor survivin.

Mutant P53 allows cancer cells within a tumor to acquire a stem-cell-like state

Enzymotherapy

Manda Koso (enzyme)

Manda Koso is a blend of exceptional vegetables, fruits, grains and algae, all together with 53 ingredients fermented to maturation at the exact temperature of the intestine during a period of 3 to 5 years. Some are grown only in Japan under a special wide area climate, such as Okinawa. Manda Koso contributes to regenerate the intestinal microbiome, stimulate the immune system and may have the property to activate the P53 function. Enzymes contained in Manda Koso may reactivate the blocked enzymatic function in degenerative disease. However Manda Koso is not considered as medicine but only as food. In the past we have used Manda Koso on a number of chronic degenerative diseases with significant efficacy which in fact correlate with Hippocrates who said ***"Let food be thy medicine and let medicine thy food."***

Homeopathic Modern Preparation

To reactivate the blocked enzymatic function. Activate cellular respiration and to detoxify the body's tissues. Activation of the defense mechansims.

- Coenzyme compositum. Ampoule of 2.2ml. i.m or i.v
- Glyoxal compositum
- Hepar compositum
- Ubichinon compositum
- Carcinominum compositum

You can mix 2 ampoules each time such Coenzyme+Hepar or Coenzyme+Glyoxal ect, and inject i.m. s.c

P53 as Regulator of Glycolysis

P53 gene expression is associated with not only apoptosis but with our microenvironment immune defense, modulation of glycolysis and telomerase activity. Mutated P53 gene or P53 mutated proteins acquire new function know as Gain of Oncogenic Function (GOF). Accumulation of P53 mutant proteins in the tumor is associated with aggressive tumors and metastasis invasion. Mutated P53 proteins stimulates glycolysis and inflammation and contributes to tumor progression. On the contrary wild-type P53 gene expression inhibits glycolysis. Mutated P53 proteins stimulates glycolysis and inflammation and contributes to tumor progression. On the contrary normal P53 gene expression stimulates glycolysis and inflammation .

Article by Serge Jurasunas: "Cancer Update: New Theories and Advances in Cancer Treatment"
— Townsend Letter, August/September 2020

Article by Serge Jurasunas: "The P53 Tumor Suppressor Gene: Understanding P53 Based Anticancer Therapies - Utilizing Dietary Agents"
— Townsend Letter, August/September 2015

Telomerase Activity

Telomerase deregulation, over activation are observed in 85% of human cancers. Such cells maintain telomerase length for indefinite number of divisions and can become immortal.

Article by Kim NW, Platyszebz HA, Prowe KR, et al
"Specific Ancestors of Human Telomerase Activity with Immortal Cells and Cancer"
— Science - 1994 –266 – 2011– 2015

Article by Serge Jurasunas N.D., Olga Taylor Ph.D.
"How to Target Mutant P53 in a Case of Multiple Cancer Recurrence" — Townsend Letter, August/September 2010

Mutant P53 and overactive telomerase allow cancer cells within a tumor to turn back time by aquiring a stem-cell-like state (CSC's) by developing survival factors to become very aggressive and resistant to any chemotherapy treatment. CSC's escape from treatment and are responsible for secondary tumors.

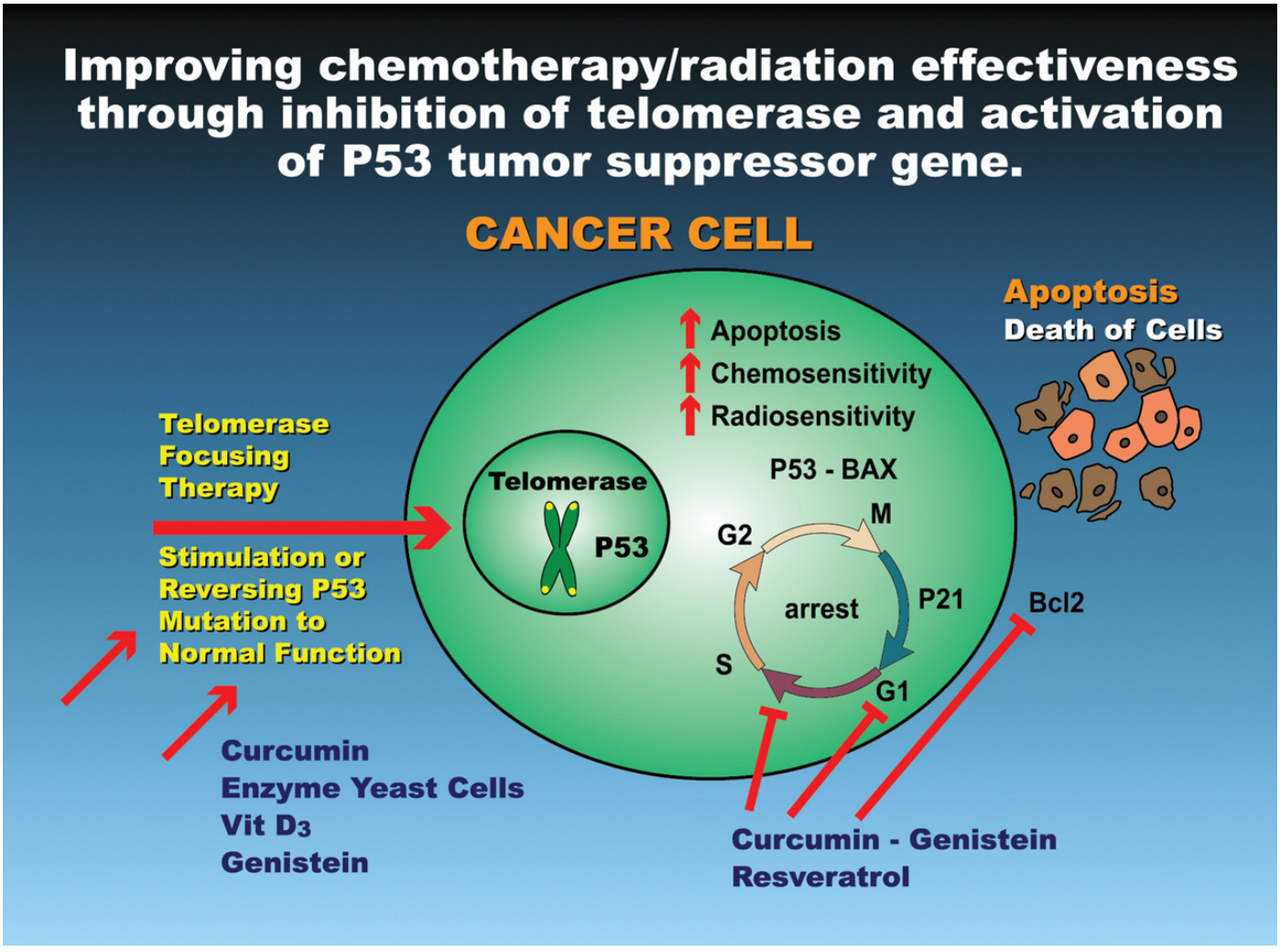
Both P53 mutation and overexpressed telomerase are considered an important event in earlier cancer development and progression of the disease with metastasis invasion.

A mutated P53 gene and/or mutated P53 protein cannot down-regulate telomerase activity. Even malfunctioning Wild-Type P53 gene expression together with low normal P53 protein level may accelerate telomerase activity.

Important Target
Determined P53/Telomerase Ratio

This is a New Breakthrough in Cancer

Article by Serge Jurasunas: "Cancer Update: New Theories and Advances in Cancer Treatment"
— Townsend Letter, August/September 2020



The Ratio between P53 and telomerase gene expression together with identification of the status of P53 protein (normal or mutated) is used to evaluate the presence of any cells capable of forming a tumor. Therefore it may be used as a test to prevent the formation of a tumor.

Good Ratio: 1.5 - 2.5
Bad Ratio: 0.8
Very Bad Ratio: 0.02

Example of Cancer with a Good Ratio

P53/Telomerase Ratio		
2019 – Boy 12 years old. Ewing Sarcoma extension to the spine – In treatment since 2013. Chemotherapy, surgery, radiation, severe side effects, remission. Small tumor remains in the spine but inactive. Tegaran, RBAC, Curcumin, C-Statin, Fermented Chlorella.		
P53 Gene Expression	**5.915 ul/of plasma**	**Reference range for all the genes is 100 units/ul of plasma - Except Telomerase ND units in malignant stem cells.**
P53 Mutated Protein	**2.0 ul/of plasma**	
P53 Normal Protein	**ND**	
Telomerase Activity	**4.388 units/ul of plasma**	**Ratio 1.3**
Bax Gene Expression	**2.864 units/ul of plasma**	
BcL2 Gene Expression	**5.609 units/ul of plasma**	**Ratio 0.5**
P21 Gene Expression	**5.049 units/ul of plasma**	
Survivin Gene Expression	**3.842 units/ul of plasma**	**Ratio 1.3**

Comment: The P53, Bax and P21 gene expression are highly activated probably as result of our treatment. P53/Telomerase ratio is good same as Survivin/P21. However BcL2 gene expression is highly activated with a bad ratio BcL2/Bax gene expression. While P53 is highly activated it doesn't produce normal protein but only low level of mutated protein. The testing indicates the possible presence of precancerous/cancer cells circulating somewhere in the body even if many bad cells are destroyed through Bax and P21 and other cancer cells with active telomerase, survivin and Bc-L2 over accumulation. Surgery could not remove the whole tumor but after 6 years it kept inactive and didn't grow. We need to decrease or inhibit BcL-2, survivin and telomerase activity and activate the production of normal P53 protein and eliminate mutant P53 protein that stimulates glycolysis. *(See the complete case in my book pages 194-196).*

Suggested Treatment to Down-Regulate Telomerase Activity

Genistein

Curcumin

Quercitin

Indole-3-Carbinol

Apigenin

Allicine

Sulforaphane

Resveratrol

Silymarin

Red Yeast Rice

Lapacho

Genistein and Curcumin show efficacy in decreasing telomerase activity.

Treatment for Breast Cancer

P53 gene mutated in about 30-40% of breast cancer
Mutated P53 protein (no reference)
However even if the gene is not mutated P53 protein may be mutated (translational mutation)
Mutated P53 protein (no reference)
However even if the gene is not mutated P53 protein may be mutated (translational mutation).
BcL2 gene expression. 70% of the cases
Bax downregulated. 70% of cases
Survivin overexpression. 70% of cases
P21 downregulated (no reference)
VEGF highly up regulated.
Approx, 72-98% of breast cancer is positive for VEGF
Telomerase activity. 80% - 90%
Important. P21 gene expression correlates with HER 2|neu in breast cancer and is an independent predictor of prognosis. P21 alteration can have a major effect on cancer sensitivity to chemotherapy and especially radiation.

How to Approach Breast Cancer

I am suggesting a treatment for breast cancer because it has been the No. 1 cancer I am treating for the past 50 years and also because it has been a very emotive disease that needs a whole approach both of the disease and the patient itself. I have spent much time to investigate about breast cancer and over the past decades I developed several models of protocol by treating several thousand breast cancer cases. The first problem to me is surgery has been responsible for about 30%-40% of cancer recurrences even more because of surgery procedures that stimulate dissemination of cancer cells that escape in blood circulation while it induces decreasing activity of the T-cells, NK cells etc.. Biopsy can also be another problem since it also contributes to cancer cells dissemination while often biopsy can create inflammation in the tissue of the breast that occasionally can double the size of the tumor. I have witnessed such problems during my years of practice. Before biopsy the patient has to take during several days an immuno-stimulant such as RBAC because NK cells need to be quickly active. Angiogenesis is one important factor that permit cancer cells from a primary tumor to reach blood vessels throughout the body and metastasizing in distant organs. Therefore angiogenesis plays an important role in tumor metastasis. A anti-angiogenic therapy before surgery of the primary tumor and even after surgery may reduce or suppression the risk of distant metastasis. This is specially true for breast cancer.

Conventional chemotherapy may shrink the primary tumor before surgery but chemotherapy cannot remove disseminated tumor cells (DTC's) that circulate in the blood and are responsible for a secondary tumor. When a growing large tumor is diagnosed it implicates 3 defective main mechanisms. Ineffective tumor suppressor, inactive NK cells, active angiogenic factors which indeed is the same problem for tumor recurrence. One of the consequence of chemotherapy which by itself is cancerogenic is side effects that include suppression of the immune system, inhibits bone marrow and stem cell regeneration and may induce severe anemia that require a blood transfusion, hair loss, weakness, blood clot, loss of appetite, depression etc.. and overall predisposing the patient to future metastasis to lung, liver, brain. Chemotherapy promotes oxidative stress and thus favor inflammation that activate tumor growth. Recent research has shown that persistent oxidative stress during chemotherapy increases the risk of tumor growth, invasion, metastasis and death. In fact this is what I observe doing oxidative dried blood test on patients with excess of chemotherapy. Now breast cancer recurrence remains very high. 70% of patients are subject to recurrence no matter the treatment. One important step is to prevent cancer recurrence in primary breast cancer in remission. A few years ago I made a lecture called "After cancer remission what next!" (Available on slide share) Oncologists do not teach their patients about some rules to follow after remission, to have a better food diet, less stress etc... but just limit their work to have the patient doing check ups every 6 months which do not prevent them from recurrence or new cancer.

Our duty as a doctor and under the Oath of Hypocrites is to teach patients so they can better understand about their health status, and how they can keep more healthy and prevent themselves from cancer recurrence.

About 15 year ago with a period of deep research I start to use in clinical application molecular markers testing and first I began with only the test of p53 tumor suppressor gene and P53 protein level before and after the treatment and observe how a variety of selected natural compounds may either activate or reactivate mutant P53 gene or mutated P53 protein. I can say that I made a victory by having the first case of patient with inactivated P53 gene and high level of mutated P53 protein that change to activate P53 gene and specially by the inhibition of mutated P53 protein to high level of normal protein. Then later I included in the test Bax, BcL2, P21, survivin gene expression study. I spent considerable time to study the P53 gene and the survivin which is a anti-apoptotic gene that works differently compared to tumor suppressors. My idea was to know better about each patient case and be able to follow and improve result with patients.

Now one most difficult case of breast cancer is the Triple Negative Breast Cancer (TNBC) however team of researcher in Ireland may have found new treatment for patients with TNBC. Their study is base on Mutant P53 gene and they have shows that a drug which targets the P53 mutated protein to normal P53 protein can largely

inhibit the TNBC cancer cell proliferation and migration. The study is published in the International Journal of Cancer. One other new research on TNBC is from the Ohio State University Comprehensive Cancer Center that found that a compound called apigenin found in certain plant-based food could stop breast cancer cells by suppressing the stem cell like properties of TNBC by inhibition of Yap|TAZ activity. They also mention that apigenin can reactivate apoptosis in resistant cancer cells. Over the years with perseverance I have been successful by restoring mutated P53 protein to normal protein and substantially increasing the levels which lead to activate apoptosis. About 35% of primary breast cancer contain mutations in the P53 gene and these cancers have a significant worse prognosis. However even in case of normal P53 gene the protein can be mutated or mysfolded with he same consequence including the stimulation of glycolysis. Of course in such situation the telomerase activity may be detected increasing the risk of cancer cells resistance. The lost of P53 is directly responsible for the overexpression of telomerase activity. In Oncology WT P53 proteins remain a essential approach to treat cancer and specially TNBC.

Cox2 expression is increased by 40%-60% in breast cancer and associate with the progression of estrogen dependent breast cancer by autocrine mechanism or by up regulation of aromatase activity. Also stimulate aromatase transcription leading to increased levels of estrogen, thereby involving coexpression of the cytochrome P450 enzyme aromatase and Cox2 in human breast cancer. Overexpression of Cox 2 induces the pro-angiogenic factor VEGF and activate MMP1, MMP2 to stimulate angiogenesis Their is a significant relationship between overexpression of Cox2 and survival breast cancer. Inhibition of Cox2 leads to a subsequent reduction of PGE2 and its analogue acting as tumor promotors. PGE2 can be overexpressed in the TME leading to immunosuppressive effects on T-cell and NK cells. So targeting Cox2 and inhibition of aromatase is an important steep in breast cancer. The low molecular antioxidant compound (ProKnox) have shown in vitro anti-inflammatory property and to inhibit the overexpression of Cox 2. Proknok is a strong antioxidant having similar activity as SOD thus playing a key role not only as antioxidant but to reduce tumor growth. Over the years our company have made several tests such with the collaboration of the University of Michigan (USA) and the dept of pharmacy University of Lisbon about the anti-inflammatory effect of the antioxidant compound and how it inhibit in vitro Cox2 activity. Plus a number of test done in Germany using the chemunolluminescence to demonstrate in vitro and with volunteers the strong antioxidant activity of the compound on free radicals.

The treatment may also depend on the stage of the disease, the localization of metastasis, the physical and psychological condition of the patient itself often under stress, anxiety, depression. In case of primary breast cancer with no metastasis and with no mutation of the P53 gene the treatment may be more easy with less remedies and supplements. Reactivation of the cellular respiration and blockage of the glycolysis pathway remain a important approach in the treatment of cancer and I have already explain how WT P53 modulate glycolysis by blocking the activity of the glucose transporters while mutant P53 or mutated or misfolded P53 proteins promote glycolysis. Mutated P53 gene induce more resistance of cancer to cytotoxic chemotherapy, tumor even continue to growth. In a study of 86 patients with locally or advanced metastatic breast cancer who were treated with weekly doses of 20m doxorubicin only 3 out of 40 (8%) breast cancers progressed during therapy if P53 was of the wild type while on the other hand when P53 was mutant 1 of 16 (69%) patients have progression of the tumor. Myself I have observed a regression of tumor after reactivation of the mutant P53 to normal wild type.

In case of primary cancer with lung and/or bone metastasis (or in recurrence) Celandine NSC 631570 (Ukrain) and AsaiGermanium is strongly suggested together with other supplement such Tegaran and RBAC (Biobran) artemisinin, C-Statin (see example in my book of a case of breast cancer with 30 lesions to liver page 155-160). Remember that women with metastatic breast cancer have twice as much free radicals activity and damage to the DNA in their breast tissue as women with localize cancer. (See example page 156-157) This is why up to me checking the patient with a oxidative dried blood test is a very important step. See my book "Health and Disease Begin in the Colon" explaining the theory of this test and well illustrated. It shows you exactly the stage of oxidative stress and of the disease. Also in my new book on Immuno-oncology where I describe and evaluate the 6 different stages of free radicals activity and of the disease. This is a very important tool when you work with breast cancer patients. You can better evaluate the damage done by chemotherapy.

Strong link Between Breast Cancer and Natural Killer Cells

Evidence suggest that NK cells play an important role in prevention of both early and metastatic cancer. NK cells is our first line of defense against cancer. Lower NK cells activity increase cancer incidence. A 11 year follow study with large cohort of Japanese men and women revealed that the women with the lowest NK cell activity has double the amount of cancer incidence. (Journal Lancet Oncology 2000. 356. 1795-1799), In cancer patient NK cells is active about 30%-50% of normal activity, (100%) sometime less compared to a healthy person. In a study with patients with advanced breast cancer undergoing chemotherapy the NK cell activity was 175% lower. Radiotherapy also decrease NK cells activity while during surgery NK cells activity is decreasing and it need about 3 weeks to be restore to a normal range but not in case of advanced breast cancer. Chemotherapy regimens have been shown to significantly lower NK cells activity because it usually increase oxidative stress. This is even more true in elderly

patients that suffer more from chemotherapy because they already have lower activity of the immune and antioxidant defense worsened with chemotherapy. Metastasis to lung following surgery and chemotherapy regimens is much associate with lower NK cells activity. Normally NK cells can either kill circulating cancer cells before they colonize a target organ or tumor cells in the lung within 24hr of arrival. Of course some case is already diagnose with lung metastasis but usually it happen during conventional therapy that dangerously decrease NK cells activity. Recently it has been shows that Natural Killer work as a biomarker for the diagnose of lung cancer in high risk patients. For this reason stimulation of the NK cells before or after the surgery and during a conventional therapy is one main goal to achieve. Rice Bran Arabinoxylan Compound (RBAC) is a very powerful natural compound destined to quickly active NK cells as I explain in my book Cancer Treatment Breakthrough. Immuno-Oncology Using the Rice Bran Arabinoxylan compound. I have start to use this natural compound about 25 years ago and have it include in all my cancer protocol. It really work with cancer since this compound know as Biobran in Europe is also use by other Oncologist such Professor Ben Pfeifer M.D. Ph.D specialist in prostate and breast cancer. Of course some other compound and mushroom like Turkey Trail (coriolus versicolor) or cordyceps sinensis also can activate the immune system and NK cells but RBAC do it very quickly with activation up to 380% in a matter of few days.

Breast cancer with metastasis Tumor or Disease recurrence.

Associate with. Inactive P53 and/or mutated or mysfolded P53 protein highly activate telomerase

BcL2 overexpression

Down regulation of Bax gene expression

Survivin overexpression

Highly activate VEGF.

Lower NK cells activity.

Dysfunction of the Transforming Growth Factor Beta (TGF-B) implicated in the evasion of metastasis in primary tumor and in lung metastasis.

Other reference.

Leanna J. Standdish, ND, Ph.D. Erin S Sweet ND et al. Breast Cancer and the Immune system. J. Soc. Integr Oncol. 2008. Fall, 6 (4) 158-168

J. Begh Clinical studies of P53 in treatment and benefit of breast cancer patients. Endocrine-Related Cancer. (1999) 6-51-59

The Naturopathic Theories of Breast Cancer

First it is estimated that 80% of the cases of breast cancer are detected in left breast. With no surprise the descending colon and sigmoid is on left side with feces in retention, toxins, bad fats and bacteria that can infiltrate the blood vessels and lymphatic vessels and intoxicate the mammary tissue. Also breast cancer patients have a bad microbiome that needs to be balanced and this is why I always prescribe some special microbial therapy made from autolysat of human bacteria and call symbioflor. Their are different types of symbioflor in drops for different purposes but for cancer we use symbioflor-2. This microbial therapy increases bowel function, stimulates the immune system and also acts as potent anti-tumor agent. Observing the iris of hundred of patients and specially breast cancer which gave me confirmation of the theory. In fact most women with breast cancer suffer from chronic constipation and to me it is associated with breast cancer. This is also a theory proposed by Prof Wolfgang Kostler Oncologist from Austria that he delivered during a lecture at the 2nd International Congress on Integrative Oncology in Munich where also I presented a lecture on tumor suppressors and cancer. We met several times in Italy, Lisbon and Vienna. I believe that most doctors forget about this theory of intoxicated colon associated with breast cancer. We may also observe a congestion of the lymphatic circulation that reach the mammary area in the iris. Since 1983 I am using in my clinic the system of the Live Blood Microscopy Analysis that requires a very powerful microscope with amplification up to x15000 and high definition. If you observe a drop of fresh blood of cancer patients let say doing chemotherapy you may observe damaged red cells membrane from oxidation (stress and/or chemotherapy) clusters of oxidized fat, platelets aggregation, toxins and growing bacteria. etc.. (cancer cells may be hidden into platelets aggregation, thus the immune system cannot kill them and they use the growth factor of the platelets to become stronger). Excess to toxins in the blood may also decrease the activity of immune cells as well. So additional treatment to detoxify the colon with a cocktail of vegetables juice, chlorella extract, kombucha, enzyme yeast cells, symbioflore-2, coffee enema etc.

At this point I need to explain why since 1973 I am using AsaiGermanium which is the only original organogermanium developed by Dr. K Asai in 1976 at the AsaiGermanium Institute. Briefly I meet K Asai in 1973 when I set up a International Congress of Natural Medicine in Aix-en-Provence, France and invited him to come and lecture about this new natural substance. Asai presented a case of lung cancer with complete recovery and immediately I realized that this new compound is a gift of Nature not to say of God and a new weapon destined to treat a number of diseases including cancer. The following year we organized a much more important congress in Switzerland where also K Asai came to lecture and I kept close contact with him until his death.

From 1973 to 1989 I have treated in my large clinic over 2500 patients with AsaiGermanium, including M.S, scleroderma, Parkinson, Raynaud's disease, leukemia and various types and grades of cancer with considerable results. For this reason I published in 1989 a first book about Germanium and cancer in French language including a number of clinical cases such as breast, lung, pancreas, brain etc...

Today the AsaiGermanium Research Institute is keeping busy doing more research on the therapeutic properties of AsaiGermanium. This is the only active and safe organogermanium with no toxicity. In fact today I am using high daily dose of AsaiGermanium up to 2500mg with absolutely no toxicity and excellent results. Today in Japan a number of medical doctors treat cancer with a high dose of AsaiGermanium like Dr Nakamura Atsuhi chief Physician at the Nakamura clinic in Kobe city. Dr Nakamura has published several articles on AsaiGermanium available in website. Much has to be explained concerning the properties etc…Organogermanium compound administered orally deprives cancer cells of electrons and thereby reduces their electric potential. It may be this kind of mechanism that acts to prevent metastasis together with higher level of oxygen in tissue, increasing NK cells activity SOD activity that contribute to reduce aggressiveness of tumor. Also it may be possible that the electrical potential of the cancer cells different of a normal cells turns cancer cells inaccessible to immune attack. Being a semi-conductor with it's own electronic structure organgermanium plays a major role in the transfer of electron in the respiratory chain of the mitochondria and contribute to increase the production of ATP. This is why patients feel very quickly and feel stronger beside improving from the disease. Today many doctors are still afraid to use organogermanium or do not really understand the properties of organogermanium as anticancer agent.

Serge Jurasunas: "Effective Cancer Treatment Method"
by Dr Serge Jurasunas- How Effective is AsaiGermanium in Cancer Patients. Japan Medical Journal.

The Therapy for Breast Cancer

RBAC (Rice Bran Arabinoxylan Compound)
Tegaran
AsaiGermanium
Artemisinin
C-Statin
Indole-3-Carbinol
EGCG
Lyposomal curcumin
Melatonine
Enzyme yeast cell (Zell-Oxygen)
Zebra fish extract.
Alpha Lipoic Acid.
SOD therapy
SGE tablets (if available)
Apigenin
Symbioflor-2
Cordyceps sinensis

Of course each case is different and it is up to the doctor to combine the suggested treatment for the patient according to the stage of the disease, local or metastatic cancer etc… Locally breast cancer stage II may need less combination of anticancer compounds while breast cancer stage III or stage IV with metastasis need a more complete treatment such including the natural anticancer agent Celandine NSC 63170 (Ukrain). For instance if the ratio P53/ Telomerase is negative the patient need specific some compounds to decrease telomerase activity include genistein, curcumin, resveratrol, Quercitine etc… High dose of AsaiGermanium is also recommended specially if the tumor is non operable. SGE poultice help to reduce inflammation and to reduce tumor size. If you have patient with stomach or colon cancer Nattokinase may also in some cases improves blood flow, helps to prevent fibrous blood clots from developing which in many occasions is responsible for the death of the patients.

Of course each case is different and it is up to each doctor to combine the suggested treatment. If for instance the ratio P53/ Telomerase is negative then patient need specific compounds that decrease telomerase activity such genistein, curcumin, resveratrol etc… If you have a patient with stomach or colon cancer with poor appetite, losing much weight you can use Manda Koso (enzyme) which contain all together 53 vegetables, fruits, grains, algae fermented during a period of 3 to 5 years. Some grown only in Japan. It is a exceptional food that helps the patient to recuperate, gain weight, nourish the body and work as support to cancer treatment. Of course it can be used also for breast cancer stage 3 or IV, Energy Sand bath 3 time per week if possible. Stimulate the immune system, detoxify heavy metals oxidize fat anti-inflammatory, increase energy levels, inhibit the growth of cancer cells.

In Europe and other countries like Canada and Asia the preparation Zell-Oxygen made exclusively of young Live yeast cell is available for doctors and patients. Enzyme yeast cells preparation developed by S. Wolz Germany is very efficient to activate the cellular respiration of the mitochondria, detoxify the lymphatic circulation, not mentioning they contain vitamins, minerals, amino acids, nucleic acids, the important enzymes such glutathion, cysteine, methionine important to detoxify and enzymes of the cellular respiration all in a natural forms. I was able to observe under my microscope a drop of enzyme yeast cell and you can easily see the thousand of live yeast cells that contain the preparation. When it reaches the intestine they brake and release billions of enzymes including the ones of the mitochondria from the yeast cells. For the past 50 years I have used Zell Oxygen included in most of my cancer protocol, wrote several articles about including a small booklet. The Therapy of Enzyme Yeast Cell in Cancer Disease, C.F.S. and Aging Process. (Available online) 40 years ago reestablishing the function of the cellular respiration was the bedrock of my method to treat cancer but not well understood by doctors at that time. However today their is a growing field of interest concerning the Warburg effect and inhibition of glycolysis as one new approach to cancer treatment.

Professor Serge Jurasunas. The clinical Evidence of Cellular Respiration to Target Cancer. Townsend Letter. August/ Sept 2012.

Also. Dr. Robert. A Buist. Oxygen Starvation Syndrome, A role for Zell Oxygen. Print by Lab. Wolz. Germany.

P.G. Seeger, S. Wolz. Successful Biological Control of Cancer. Eduwiedeeer Verlagsgesellschafr mbH. 1990. Germany.

This is a example of an efficient treatment for breast cancer that targets pro-apoptotic genes, inhibits anti-apoptotic genes, inflammatory mediators, angiogenesis, glycolysis and the immune cells, including harnessing the important Natural killer cells, dendritic cells etc... As mentioned each patient required treatment and remedies according of the case, the stage, and evolution of the disease. In case of advanced breast cancer with large non operable tumor or in case of metastasis spread to lung AsaiGermanium should be the first remedy on the list with high dose together with a SOD therapy angiogenic therapy etc… if the patient is in pain such as from bone metastasis etc.. the modern Homeopathic preparation is very useful. Traumeel+Hepar+Echinacea compositum to inject i.m or i.v three time per week for relief from pain. Also AsaiGermanium gives relief from pain by stimulating the endorphins and probably by decreasing inflammation. In many occasions I have observed such results in my patients specially with bone metastasis as well as increasing bone density when lost during chemotherapy regimens using Serge Jurasunas Naturopathic Treatment patients doing chemotherapy may greatly improve. Advanced case who have surgery, chemotherapy, radiation and now with palliative therapy may increase lifespan with better quality of life like in fact as I have myself experienced when using Rice Bran Arabinoxylan Compound. Their are several reports about life spend extend and better quality of life with advanced cancer done in Japan (page 103-108 of my book). Of course this suggested protocol can be adapted with other varieties of cancer such prostate, colon, pancreas and lung cancer.. AsaiGermanium, RBAC, Tegaran, Artemisin, C-Statin, SOD therapy, Zell-Oxygen, is a pillar for the treatment of many varieties of cancer. We can call it complementary therapy, Integrative Medicine, but in fact this is really a Naturopathic Treatment if we understand the definition of what mean by naturopathy and Naturopathic Oncology. Of course together with the treatment relaxation or meditation, yoga is also much suggested together with an anticancer diet. Relaxation helps to reduce stress condition and improve the activity of the immune cells. Many types of food have anticancer properties and have to be included in a whole treatment or Naturopathic treatment. For instance broccoli and watercress sprouts contain a number of compounds that can help to fight cancer. You can use them mixed with other vegetables juice such carrots and red beets.

Sometime we concentrate research and treatment limited to one cause of cancer and keep studying and promoting like immunotherapy for instance and we forget that cancer is a multiple cancer cause, a total disease that need a multiple approach as I am doing for so many years now. You don't have to prescribe 30 or 40 different daily supplements for your patients but just follow a program that targets cancer in several directions and know what to use. In my book I have included a chapter with about 30 cases I have chose and treated with success in my clinic. But don't think treating cancer is easy, on the contrary it requires much time, energy, reflexion, intuition and choosing the good treatment for your patient. Your patient is also himself to be taken care of. If you see in my book the case of the 9 year old boy with the Ewing Sarcoma then you understand, I spent seven years with him before doctors at hospital told the parents that he was now under remission. Its treatment included, RBAC (Biobran) C-Stating, AsaiGermanium, sun-chorella extract and a better food diet and here is the result. This is what Naturopathic treatment can do as support to chemotherapy/radiation which often can be problematic like in the case of the boy. From a medical standpoint this boy had no cure.

The patient is not a number like most at hospital and you have to make a difference if it is a middle age patient or a elderly patient that have a very diminished immune defense and do not react well to chemotherapy. So they may need some better assistance and some selected remedies. Sometimes chemotherapy is not even good for them specially at a certain age, some cases refuse chemotherapy and with reason but the actual system, lack of reflexion by oncologist that only prescribe the protocol adapted to a particular cancer but not to the patient itself. In fact each patient is different from a genetic standpoint, health status, immune status, thus react differently so the protocol may work for one patient but not all the patients with the same cancer.

Breast Cancer and Oxidative Stress

Clinical cases, 44 year old patient diagnosed with breast cancer and 30 lesions to liver. The tumor is too large for surgery due to tissue inflammation. The patient is doing chemotherapy in order to reduce the tumor, but the tumor is resistant as we can understand with the result of the testing especially with the very high level of BcL2 activity and the VEGF that induces strong angiogenesis.

Example of an applied treatment targeting molecular markers in a case of breast cancer with over 30 nodules to liver 2018 - 6 years remission

ANTI-TUMOR EFFECTS OF THE APPLIED TREATMENT

		02/12/12370	05/12/12461	Ref. Range
p53 gene expression		200	427	10-50 units/ul of plasma
p53 level mutated		ND	ND	ND units/ml of plasma
p53 level wild		ND	0,4	0.10-1.00 units/ml of plasma
Bcl-2 gene expression		8000	796	<10 units/ul of plasma
Bax gene expression		167	1543	10-100 units/ul of plasma
Bcl-2/Bax	*ratio*	*0.02*	*1.93*	
Survivin gene expression		171	900	<10 units/ul of plasma
p21 gene expression		139	738	10-50 units/ul of plasma
Survivin/P21	*ratio*	*0.8*	*0.8*	
VegF gene expression		2353	ND	10-100 units/ul of plasma

Increased p53 activity
Decreased of BCl-2 activity
Increasing BAX activity
Increasing p21 activity
Normalize VEGF activity
Strong anti-tumor activity

Comment: Our treatment has increased by 2x and 4x the activity of P53 gene expression, however being unable to produce normal P53 protein, but only a very low level. However highly expressed Bc-L2 that contributes to cancer cell resistance was reduced by tenfold with a tenfold increase of Bax activity (ratio 0.02 to 1.93). Survivin was also decreased almost by tenfold with no detectable VEGF; highly expressed in the beginning with strong stimulation of angiogenesis, but this was stopped. After 2 months of taking our treatment the tumor reduced and the inflammation was almost gone. This was followed by a rapid reduction in tumor size making surgical removal possible. A strong Anti-Tumor Activity Dominated Pro-Tumor Activity. Also see the figure of the Live Blood Analysis before and after treatment. All the lesions in the liver were eliminated. *(See the complete case in my book pages 155-160).*

Highly expressed BcL2- Survivin and VEGF were responsible for tumor growth, liver lesions and cancer cell resistance.

- Breast cancer with metastasis has a higher production of toxic free radicals activity compared to breast cancer with no metastasis. Chemotherapy and radiotherapy may also increase the production of toxic free radicals with damaging effects and contribute to spread metastasis.
- We evaluated the stage of inflammation and disease through the observation of the oxidative dried blood test.

Stage 0 normal pattern to stage 5-6. Stage 4 corresponds to an advanced stage while stage 5 is critical with metastasis and stage 6 a terminal condition.

For more information read my book with examples of clinical cases illustrated with various figures of oxidative dried blood test before and after treatment and remission include complete molecular markers testing *(pages 155-160).*

- To decrease inflammatory stage – Lyposomal S.O.D., curcumin, Pro-knox, fermented chlorella, SOD or another antioxidant formula that contains SOD, glutathione, cysteine in oral form or IV.

  SOD in oral formula is poorly absorbed by the body.

  Enzyme Yeast Cells contain all the required natural antioxiodant enzymes including Coenzyme Q10 and is easily absorbed by the body.

"Clinical Case: F 48 years old, Breast Cancer"

Clinical Case: F 48 years old, Breast Cancer - Remission 2009 - 2010 Recurrence

(from the P53 suppressor gene: Understanding P53 based Anticancer Therapies Utilizing Dietary Agents T-L Aug/Sept 2015)

Date	P53 Protein Level - Units/ul of Plasma			
Test	Wild-type P53 Ref. Range - 0.10-1.00 units/ ul of plasma	Mutated protein Ref. range - ND	P53 Gene expression Ref. - 10-50 units/ul of plasma	
1 Test 2 Feb 2010	ND	52.5	52.45	Blood sample collected prior to treatment
2 Test 19 Apr 2010	10.99	ND	170	After 2 months we reversed mutated protein to a higher level of normal P53 protein with a x3 time increasing P53 function

Example of breast cancer recurrence. P53 gene expression is activated but does not produce normal protein but only a high level of mutated P53 protein which helps accelerate the diffusion of metastasis. After 2 months of our treatment we reversed mutated P53 protein to high level of normal P53 protein and increased by 3x P53 gene expression leading to an improvement and better result of destroyed cancer cells with chemotherapy.

Over the past 15 years I have been using a special low molecular weight antioxidant compound made from modified vegetables and seeds according to a formulation by Dr. Y. Niwa, M.D., Immunologist and world expert in SOD with whom I collaborate. A special process cuts the large molecules where after this process the compound is quickly absorbed and delivered into the target organ with immediate healing. The initially called Anoxe (now Pro-knox) contains vitamins A, C, E, beta-carotene, catalase, flavonoids, polyphenols, quercitin, riboflavin, and catechin with a strong SOD-like activity. SOD can be considered as a tumor suppressor equivalent to the P53 gene and we also know that SOD is very low in cancer cells. Pro-knox strongly decreases the production of free radicals with tests done in-vitro with blood and plasma after 1 hour, 3 hours and even remains active after 24 hours after oral absorption of 15 gr. of the compound in one glass of water. According to Niwa, the compound works as a Drug Delivery System (DDS) since it travels quickly to the target organ. Tests done at the University of Michigan and other clinics in Germany have shown that Anoxe inhibits Cox 1 and Cox2 and therefore decreases inflammation. Cox2 is usually overactive in many types of cancer such as breast 40-60% and pancreatic cancer 90%. Any compound that can decrease Cox2 is considered as an anticancer agent. In my presentation in Russia (see the reference below), I showed a number of patient cases through the LBA and observation of damaged red cells, oxidize lipids, pains etc., both before and after taking Anoxe, but with no change in their diet. The results were absolutely remarkable. Pro-knox can work both as an antioxidant or pro-oxidant depending on the dosage, as a pro-oxidant it increases the destruction of cancer cells by chemotherapy

Conference: Serge Jurasunas, "Oxidative Stress and Cancer- Antioxidant Therapy". Anti-Aging Medicine World Congress Paris 10-12, April 2008. (www.sergejurasunas.com; click PDF and workshop Paris 2008).

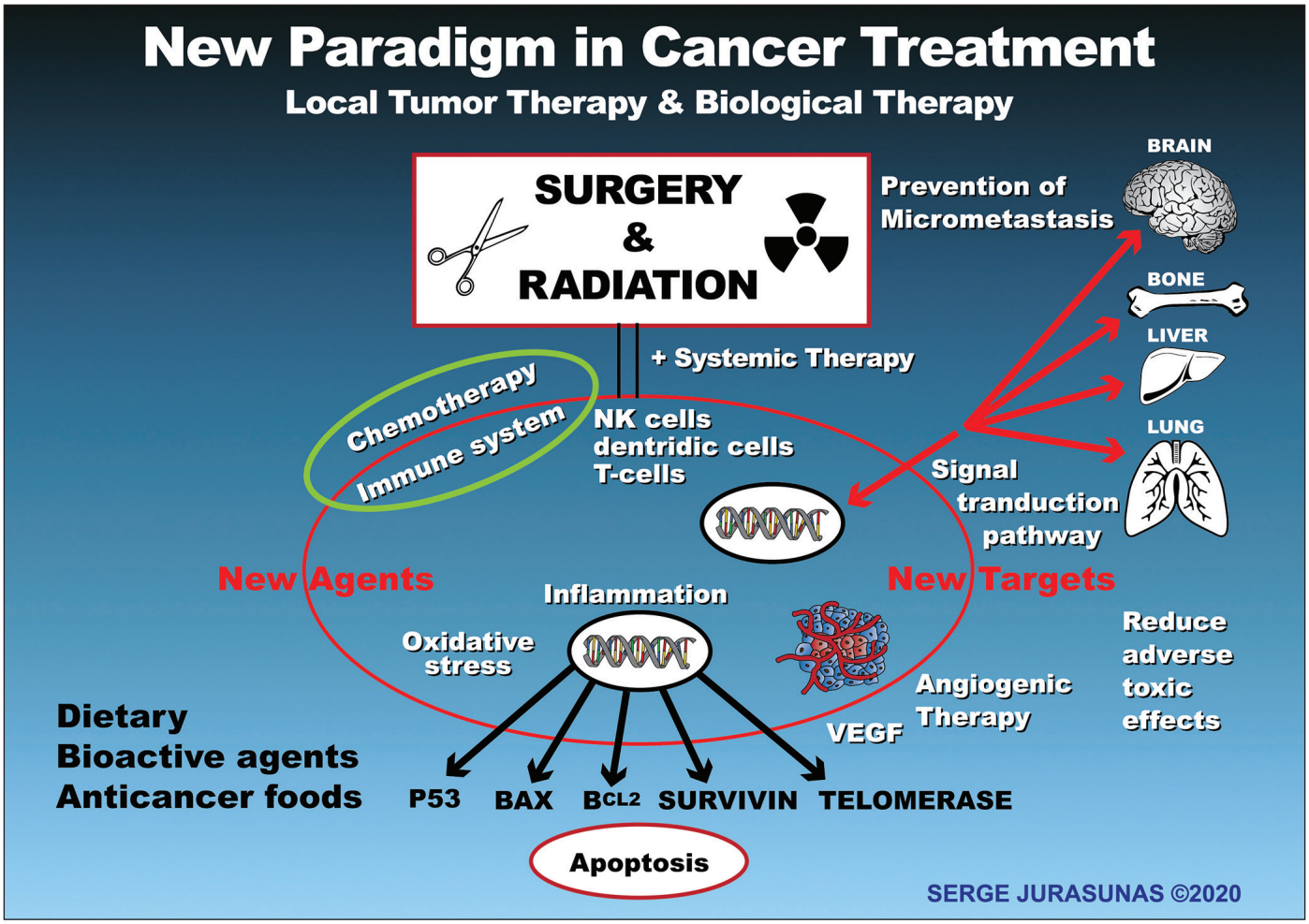
Read: Serge Jurasunas, Nelson Tavares and Murale G Nain. "Cyclooxygenase Enzyme Inhibitory Property of Anoxe". National Food Safety and Toxicology Center, Michigan State University USA. (Anoxe inhibits COx2 which today becomes a new target in the treatment of cancer since it down-regulates apoptosis, stimulates angiogenesis, etc. COx2 is overexpressed in about 40-60% in breast and lung cancer).

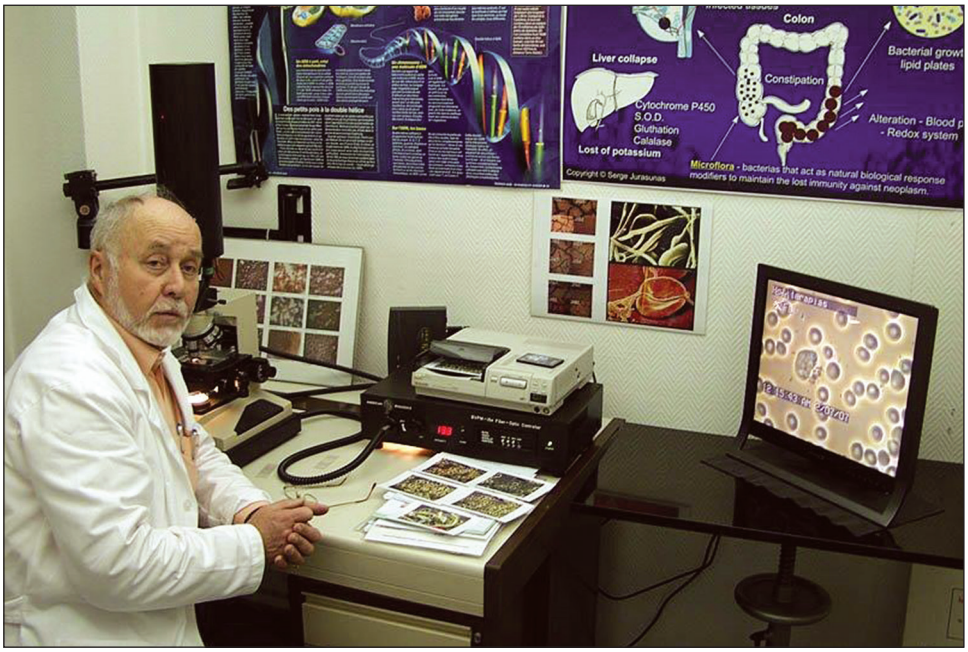
Conference: Serge Jurasunas, " Therapeutic Application of a low Molecular Antioxidant compound (Anoxe) in ROS activity". International Symposium on Reactive Oxygen and Nitrogen Species. Diagnostic, Prevention and Therapeutic Values. July 8-12 2002. St. Petersburg, Russia.

Conference: Serge Jurasunas, "Targeting Apoptosis and Natural Killer Cells in Breast Cancer Therapy" – Medizinische Woche Baden Baden 2019 Krebskongress - Deutch Gesellschaft Fur Oncologie 31/10-/04-11- 2019.

Article by Serge Jurasunas: "The Oxidative Dried Blood Test in the Assessment of Metabolic Dysfunction and Inflammatory Conditions" — Townsend Letter, June 2018

New Paradigm to Treat Cancer





Professor Serge Jurasunas in one of his consulting rooms in the clinic.

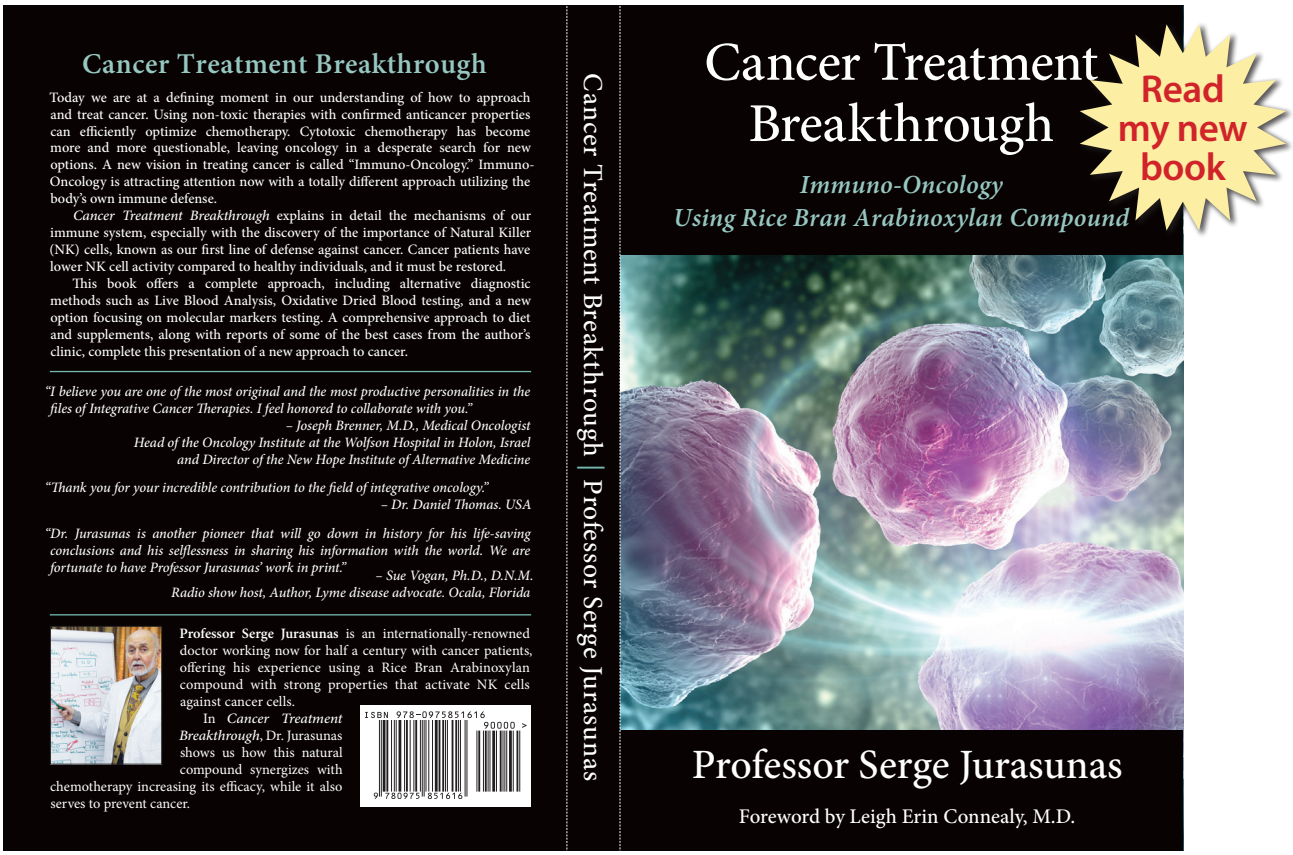
List of the supplements with description and dosage

Supplement	Description	Dosage
RBAC BRM4 in the US by DHMED (Daiwa)	Biobran in Europe and Asia BRM4 by DHDMED (Daiwa)	500mg capsule .3 to 6 capsules per day sachet of 1 gr 3x per day
Biobran in Europe and Asia by DHD Europe.	An essential immune dietary supplement from modified rice bran. Strong immunomodulator with anticancer properties. Increase NK cells activity and other immune cells. Antioxidant and anti-inflammatory properties. Since 25 years, scientifically tested by various laboratories and Universities. One of the strongest immune stimulants on market.	
Alpha Lipoic Acid. By Thorne	A support to liver function. Strong antioxidant in both water and fat-soluble tissues, essential to activate cellular respiration and mitochondria function.	400-600mg twice daily
Vitamin D. By Thorne	Required for healthy immune function and important in cancer treatment. Vitamin D participate in Apoptosis and angiogenesis.	500 U/day on average
Co. Q10 By Thorne	Activates mitochondrial function and increases energy level, protects the mitochondria membrane against free radical activity. Protects the heart from damaging effects of chemotherapy such cardiomiopathy.	200-300mg per day
Zebra Embryo Fish- Rerio Gocce by Guna	Restores damaged cell to a normal level of differentiation. Inhibit cancer growth. Promote apoptosis and reverse mutant P53 to normal P53 tumor suppressor gene, Increase energy level	40 drops in a glass of water 15 mn before breakfast.
Proknox By DHD- Europe	This natural low molecular antioxidant compound from modified vegetables and seeds has strong anti-radical properties and redox potential. Anti-inflammatory effects, protect from chemo-radiation damaging effects. Has both antioxidant and pro-oxidant function and SOD-like activity. Has shown properties to reverse mutated P53 protein.	2/3 sachets of 1gr 3x per day. Mixed in a glass of water and drink slowly.
Fermented Chlorella By Dr. Mercola (US) DHD-Europe	Chlorella algae supplies the body with high quality vitamins, minerals, amino-acids, protein, enzyme, fiber and DNA . Fermented chlorella is well absorbed by the body than regular tablets of chlorella. Chlorella is a rich source of chlorophyll to detoxify the body and to increase oxygen level in the blood. Chlorella cells make 4 new cells every 24 hours because of the growth factor found in the DNA.	1 gr per day
Celandine NSC 631570 (Ukrain) Information email: officersc631570@protonmail.com	NSC 631570 is an anticancer drug based on the plant extract of chelidonium majus. A number of clinical trials and about 160 scientific papers suggest that NSC 631570 has the potential to treat a variety of cancers. NSC 631570 when injected in the blood travels immediately to the tumor tissue and accumulate minutes after administration but not in healthy tissue. NSC 631570 destroyed only cancer. This anticancer drug used was developed about 30 years in Austria by Dr. Vassil Nowicky and used in many clinics around the world including by famous clinics in Germany.	Administration. Rectal suppositories with the active ingredients. They are individually manufactured according to each patient and the concentration and administration vary according to the stage of the disease.

Supplement	Description	Dosage
OrganoGermanium AsaiGermanium info@batfajapan.com	Organic germaniun is a semi-metal and semi-conductor developed by the late K. Asai in 1967 as a soluble substance used as body regenerator. GE-132 increases oxygen supply in the body and increases immune function T cells and NK cells. While dioxide of germanium is toxic orgaogermanium is totaly safe having been the subject of many toxicology tests. Organogermanium also possesses electro-magnetic property and can activate cell function and increase energy in the body. Organogermanium has demonstrated anti-tumor and anti-viral activity. However many fake germanium is flooding the market and for this reason AsaiGermanium is developed with the only and unique process of he AsaiGermanium Research Institute in Japan.	Therapeutic. 1000 to 2500mg/day Prevention. 500mg per day.
Mando Koso Gold By Manda Fermented Co. Ltd Japan Europe MK Europe GmbH bzach@mk, europa.de	Manda Koso is a blend of exceptional fruits, vegetables, grains and algae, about 53 ingredients fermented during a period from 3 to 5 years. Some of Manda's organically grown ingredients are found only in Japan. A Food supplement but can be used as a support in cancer treatment.	1-2 gr per day
Resveratrol by NOW	Strong antioxidant, antiproliferation, stops the cell cycle to induce apoptosis, antiangiogenesis, anti-inflammatory, stimulate P53, P21 and Bax function, inhibit survivin, NF-KB, Cox 2.In preclinical studies resveratrol was effective against a number of cancers including liver, pancreatic, lung etc..	150-300 mg/day
C-Statin By Aidan Products. (USA) Medpro. (Europe)	A natural supplement made from an extract of the field herb binweeds (Convolvulus Arvensis) that contains a patented proteoglycan (PGM) a potent angiogenesis inhibitor. Studies have demonstrated PGM to be 100x stronger than shark cartilage. Has been shown to inhibit new blood vessels growths up to 73% and abnormal cell growth up to 96.8%. C-Statin has no recorded adverse effects.	3 - 6 capsules per day
Formula ZhengHua (Tegaran) By System Biologie AG Switzerland. Jschmid@system-biologie.com	A special formula made from fermented soy extract in unmodified, natural (non-genetically modified) form. It contains isoflavones, genistein, glycitin, daidzin, glycitein etc… Immune Plus Formula ZhengHua has dietary nutrients for special medicinal purpose and may target a number of mechanisms used by the tumor to grow and expand. Apoptosis, angiogenesis, (inhibitor of VEGF) NF-KB expression, immune system, modulate inflammation parameters, MDR1 gene expression etc. An adjuvant for chemotherapy and radiation therapy.	4-6 capsules per day
Liposomal Curcumin By Thorne	Decreases oxidative stress and inflammation. Anti-Chemo prevention of bad effects. It regulates Apoptosis, inhibits cancer cell proliferation and metastasis. Proapoptotic, Antiangiogenic potential, must be Liposomal or does not work. Demonstrates efficiency to reverse mutant P53 gene to a normal P53 suppressor gene.	2000mg/day Take 3x/day
Nattokinase By Daiwa DHMED (US) DHD (Europe)	Nattokinase improves blood flow by thinning the blood improving oxygen and nutrients transportation with more efficiency, prevents fibrous clots and dissolves the fibrin coating around the tumor.	2x2 tablets per day after meal.

Supplement	Description	Dosage
Zell Oxygen-Immuno Complex From Regenerative Nutrition UK	Made from active enzyme yeast cells. • Detoxifies, regenerates and stimulates the large and small intestines. • Stimulates liver detoxification. • Activates T and B cells. • Reactivates various biological and chemical processes. • Stimulates respiratory chain. • Decreases inflammation allowing an increase in oxygen supply to tissues. • Strong antioxidant protecting against free radicals.	20ml 3X/day Best to mix each dose with vegetable juice & liquid chlorophyll of any kind. Otherwise, mix with water & drink.
Indole 3 Carbinol By Thorne	Proves to be an effective chemo-preventive agent against stronger unresponsive cancers, in part, because it functions as a negative regulator of estrogen by inhibiting ER signaling and altering cytochrome P450 mediated estrogen matabolism. Many studies showed that 13C suppresses the proliferation of various cancer cell lines, including breast, colon, prostate, and endometrial cancer cells.	400mg–800mg/day 2 caps after lunch 2 caps after dinner
Artemisinin By Thorne Medpro. (Europe)	Artemisinin has been widely used for the treatment of malaria for the past two decades. Additionally, artemisinin is known to have antiobacterial, antifungal, antioxidant, anti-tumor, and anti-inflammatory activity.	2 caps before breakfast 2 caps before dinner
Coenzyme compositum Glyoxal Ubichinon By Heel Laboratory Baden Baden. Germany	Heel homeopathic medication is based on the theory of homeotoxicology which is meant to eliminate toxins from the body, to improve the natural defense of the body and to detoxify the liver and to stimulate the enzymatic function.	One ampoule of 2.2ml of each 3 times per week i.m.s.c. You can also mix 2 ampoules together to inject i.m.

Read Serge Jurasunas: "NK Cell Based Immunotherapy in the Treatment of Cancer Using a New Arabinoxylan Rice Bran Compound."
— Townsend Letter, August/September 2019



Examples of chapters contained in the book

- **The need for new nontoxic Therapies**
- **Introduction to Immune-Oncology**
- **Immune-Oncology and treatment**
- **What are Natural Killer cells**
- **Oxidative Stress and Cancer**
- **How the P53 gene modulates Key regulators of the immune signaling pathways**
- **Evaluation of the Oxidative Dried Blood Test**
- **Live Blood Microscopy Analysis**
- **Testing for Molecular Markers**
- **Rice Bran Arabinoxylan compound (RBAC) A Functional food with Anti-Cancer properties**
- **Rice Bran Arabinoxylan boosts NK cell activity**
- **Rice Bran Arabinoxylan synergizes chemotherapy and increase its effectiveness**
- **Association between NK cell activity and good prognosis in cancer patients**
- **Cancer recurrence can be stopped with immunotherapy**
- **Rice Bran Arabinoxyland and curcumin sensitizes cells to chemotherapy by increasing apoptosis in cancer cells.**
- **My personal experience treating cancer patients.**
- **Presentation of clinical case.**

All the blood test of molecular markers as presented in this Clinical Cancer Strategy is done by the Taylor-Galkina Laboratory in England under the supervision of Dr Olga Galkina Taylor a Russian scientist and world expert in tumor supppressor P53 pathway. The testing can be done by doctors from any countries. Material is send from the laboratory with instructon of how to collect blood.

To contact the Laboratory

e-mail: mrlofthouse@thegalkinalab. co.uk.

To contact the author

e-mail: sergejurasunas@gmail.com
Skype: Serge jurasunas
Blog: https//naturopathiconcology.blogspot.com.

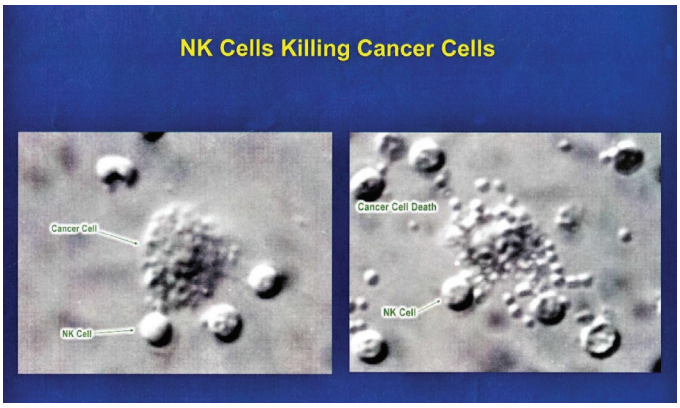
The book is available throughAmazon for all countries or contact:

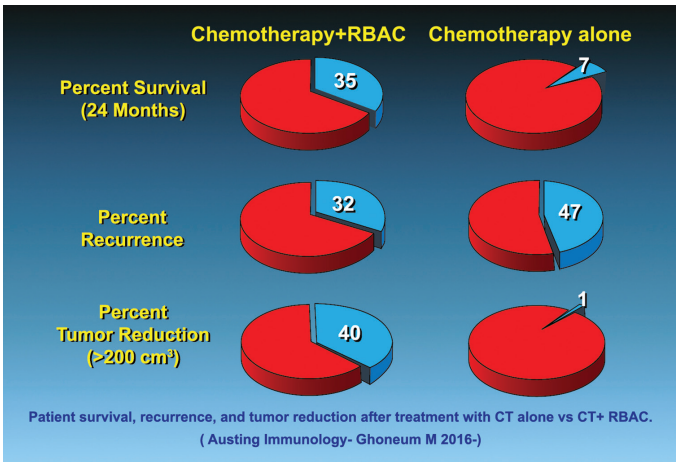
info@DHDMED.com (USA)
In Europe – Email: monika@dhdeurope.com
Japan and Asia – Daiwa Pharmaceutical Co. ltd Tokyo Japan
Phone: 03-543-4050

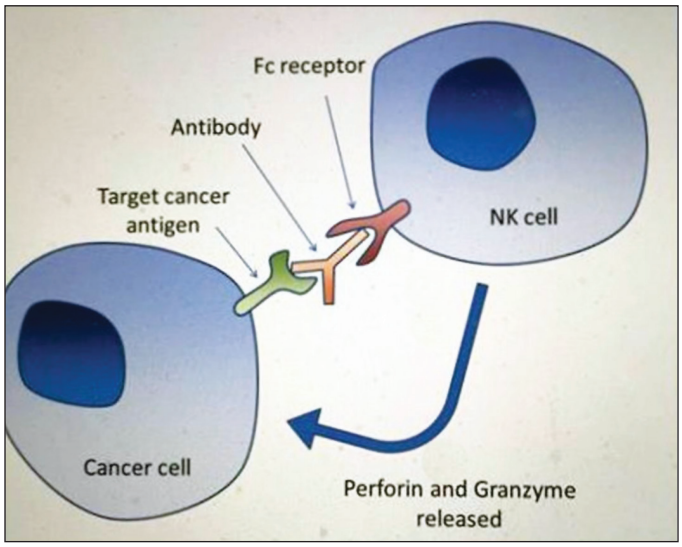
Note to readers

These treatment protocols and alternative testing methodologies are not yet approved by the Food and Drug Administration and are, by no means meant to substitute for care by medical doctors. This protocol does not suggest by any means that the proposed natural agents cure cancer.

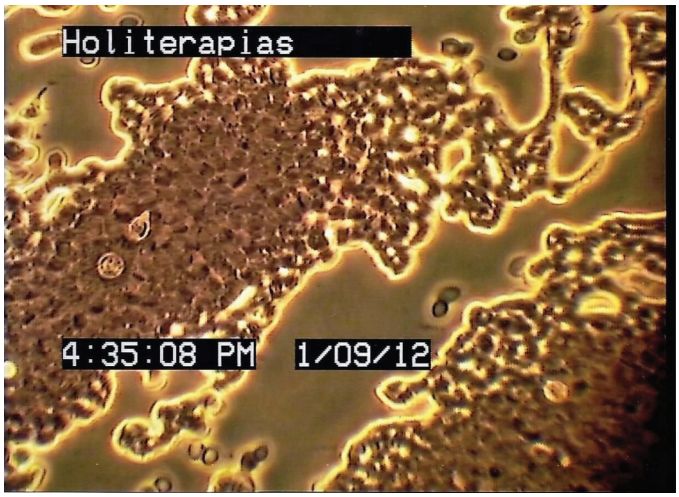
Examples of illustrations in my book

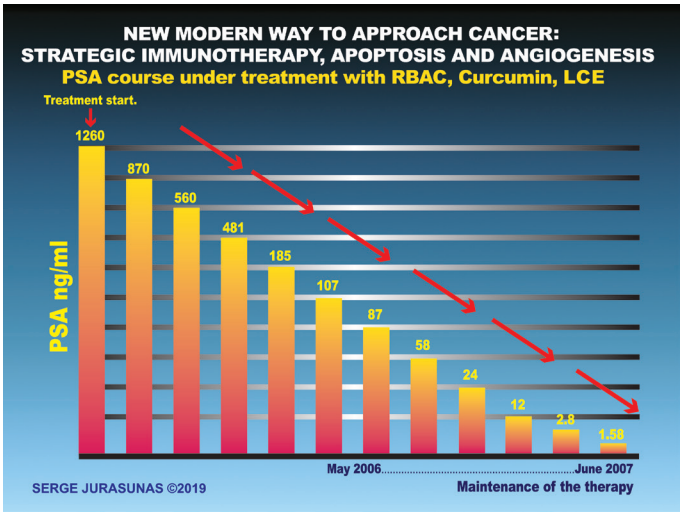


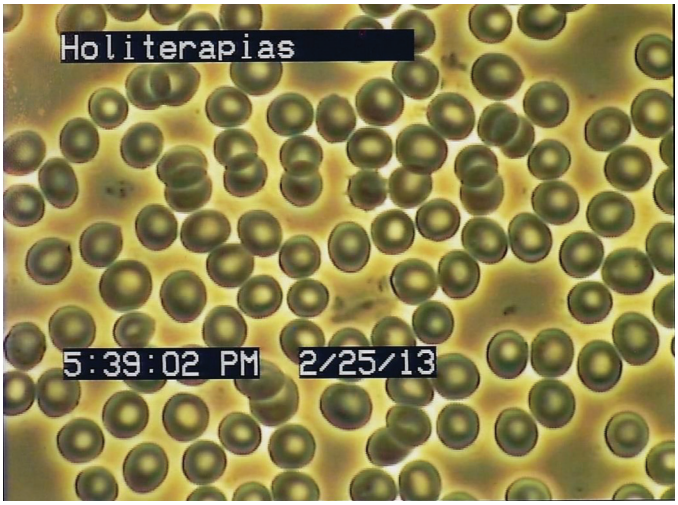




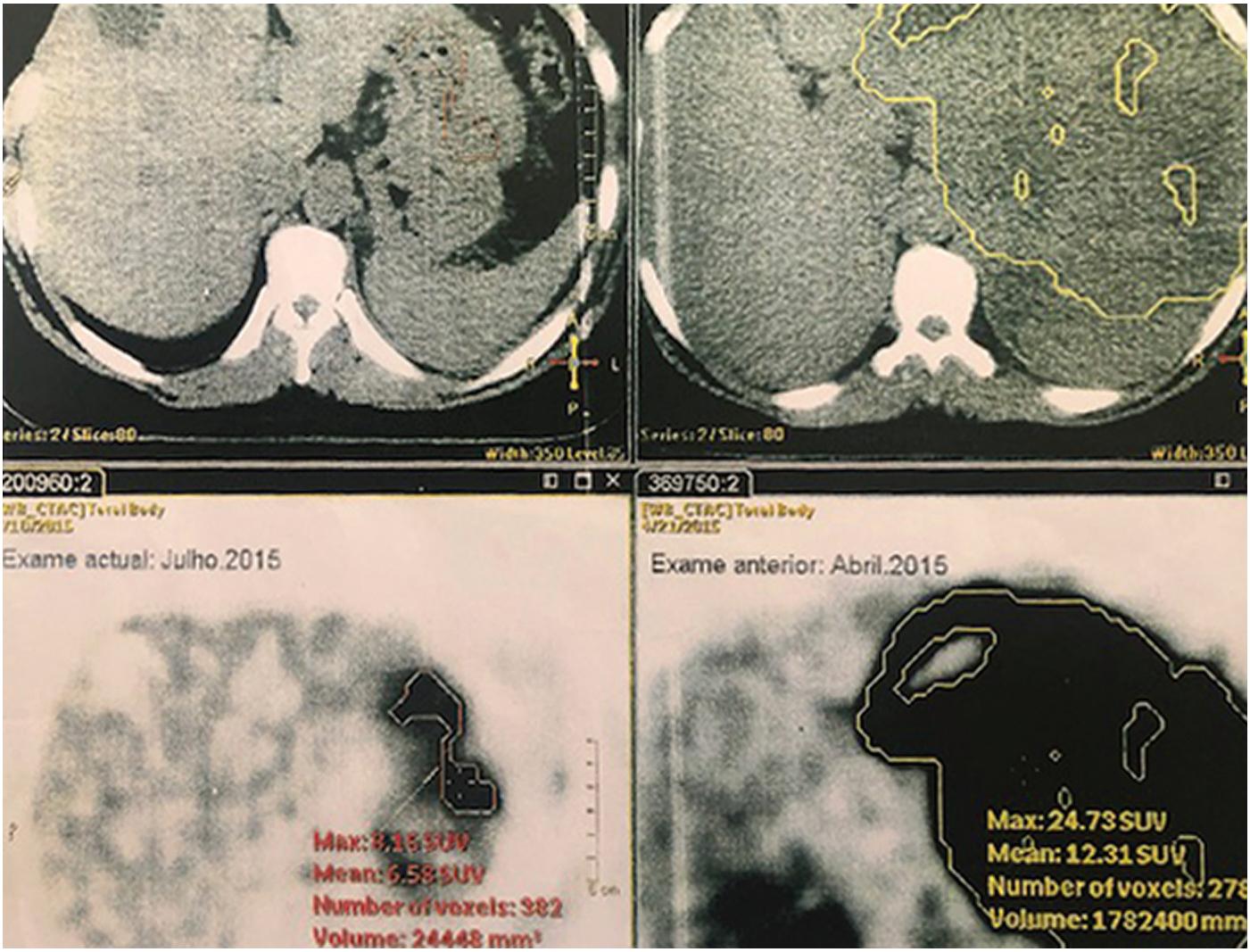
Figures below of the Live Blood Analysis before and after treatment referring to the breast cancer case page 20 with the testing ↓







Example of an Advanced Stomach Cancer



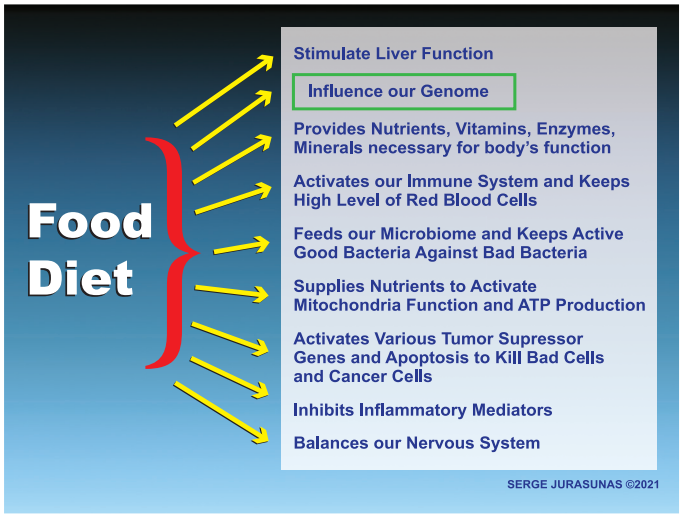
F. patient 38 years old with advanced cancer of the stomach, with a very large 18cm tumor and several secondary large lesions up to 4cm. ***(See on right scan showing in dark, the huge tumor)*****.**

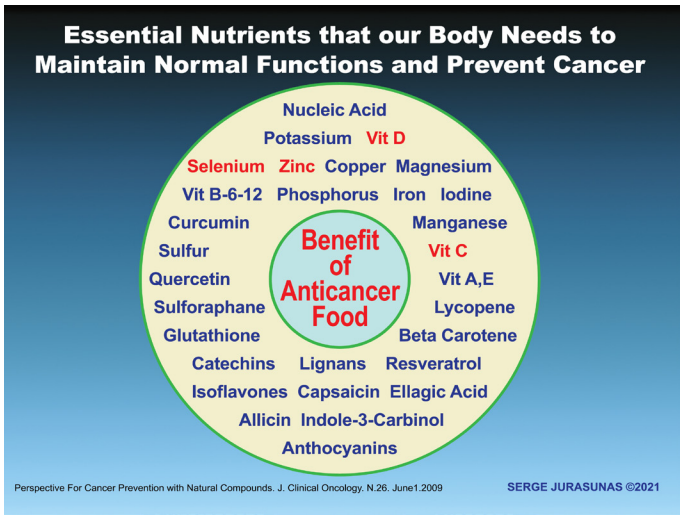
Prior to the treatment.

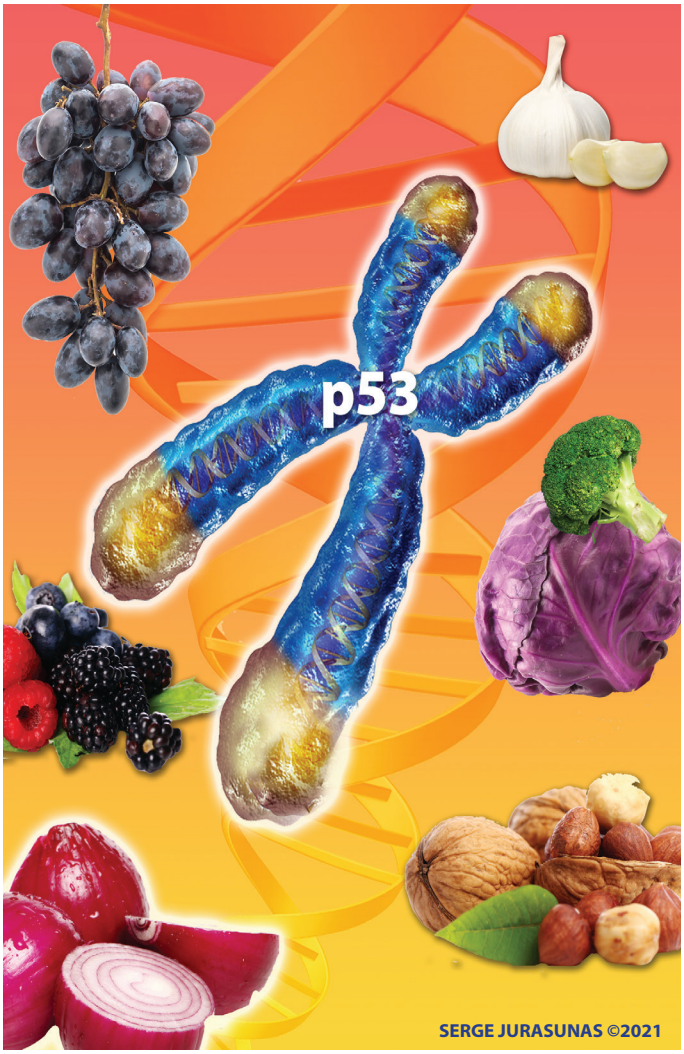
Her molecular markers testing had shown slightly activated P53 gene expression but producing mutated protein.

Treatment. RBAC (Biobran) + curcumin+LCE+chemotherapy (LCE= Liquid Shark Cartilage Extract).

After the treatment for 3 months see how the very large tumor was reduced by 80% or more including the secondary lesions. Also the patient felt good, strong and suffered no side effects from chemotherapy. Our treatment increased by 4x the expression of the P53 gene and we reversed mutated protein to normal protein, which lead to the destruction of cancer cells. *(See the case in my book pages 190-192).*



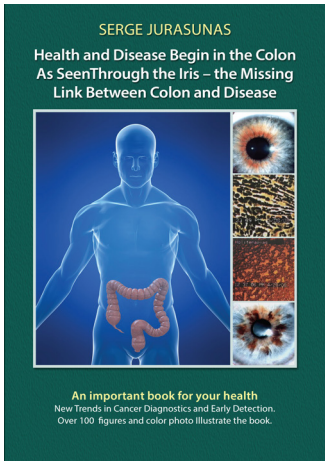




Food and Cancer Diet

I have been working with cancer and different food diets for now over 50 years and it makes an overwhelming difference when it comes to having a total approach of cancer and help patients to feel better and help the body to recover faster. Natural food may contain a variety of dietary agents with anticancer properties such as activating P53 tumor suppressor gene and apoptosis, the immune system, to reduce inflammation, to detoxify, improve the microbiome, etc.

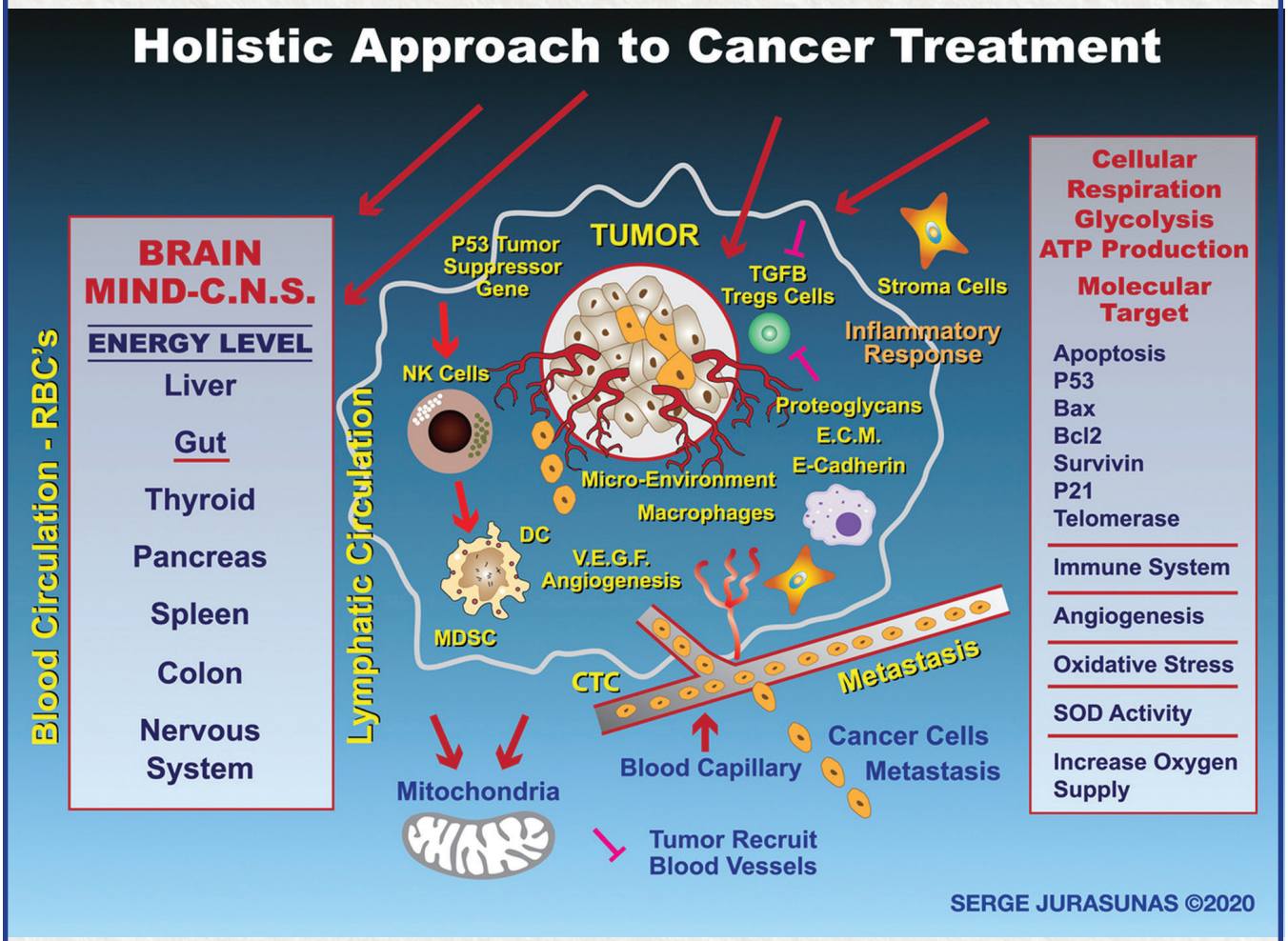
For more information on food, diet program, detox, breast cancer, recipes of healthy food consult my book. "Health and Disease Begin in the Colon" featuring Professor Serge Jurasunas Natural Medicine (available on Amazon). A most important book for Health Professionals to learn more.



Professor Serge Jurasunas N.D., MD (hc) from Portugal was chosen and honored among other candidates to be the recipient of the prestigious Albert Schweitzer Lifetime Award for Outstanding Achievement in Medicine2023. Serge Jurasunas is an internationally recognize doctor of integrative medicine and naturopathic oncology, spiritual man, philosopher, writer, researcher and pioneer in several fields of Alternative and Naturopathic medicine

In his practice Serge Jurasunas also include teaching, spirituality and humanity service, been inspired by the life of Dr. Albert Schweitzer know as the doctor of peace, winner of the Nobel Prize of peace in 1953. Other famous recipients include twice winner of Nobel Prize Linus Pauling, its holiness the Dalai Lama.

Serge Jurasunas Naturopathic Cancer Treatment Strategy 2023



For more information

Read, Integrative Cancer. New Theories and Advances in Treatment by Serge Jurasunas (online)

You can contact directly for any question.

sergejurasunas@gmail.com

Blog. https//naturopathiconcology.com