



Serge Jurasunas' Clinic Treatment Strategy in Cancer Disease

Introduction:

Serge Jurasunas is a pioneer in the field of complementary alternative medicine, specialized in the treatment of cancer. Over the past 35 years he has accumulated a great deal of experience, spending a lot of time to investigate about nutrition, molecular biology, oxidative stress, medical blood microscopy, etc., treated over 75.000 cancer patients, published over 130 papers among lectures and books and developed several innovative therapies. His work in the field of cancer is now translated in 9 languages.

From the beginning Serge Jurasunas has associated cancer as a whole disease and today more and more doctors and researchers agree that cancer is not only a local disease but rather a complex situation which involves many possible causes. At the Seminar on "A Complementary and Alternative Lecture on New Avenues for Treatment in Oncology" organized by the Vilnius University Faculty of Medicine, in Lithuania, Serge Jurasunas pointed out that death of cancer disease did not drop since the past 30 years, but on the contrary it had increased significantly. This indicates that main stream science follows a completely wrong direction based only on historical options, comprising surgery, chemotherapy and radiation, which are not anymore a solution of cure.

Surgery and chemotherapy often promotes further dissemination of cancer cells with quick recurrence. Furthermore many cancers of the colon, lungs, stomach and ovaries are associated to low response of treatment and to low rate of cure. Chemotherapy has not had substantial effects on the treatment of these types of cancer, and it only can only provide palliation and several months of longer survival.

New hypothesis are now immerging and offering new avenues in the treatment of cancer, not only from a viewpoint of battling cancer through antineoplastic agent but rather to target cancer cells in many directions as possible. New strategies include control of cancer cells growth rate, tumor starvation by decreasing vascularisation (angiogenesis) and if possible destroying the existing blood vessels, that tumor uses to get oxygen and nutrients, stimulation of apoptosis pathway and even reactivation of the normal transduction pathway.

Nevertheless Serge Jurasunas pioneered the treatment of whole body and the restoration of the whole biological system, including the change of the "body's milieu" and making it hostile to cancer.

In 1983 a Serge Jurasunas' therapy was developed; a formula of several injectable mixtures, made from essential oils that work for restoring the milieu, to activate lymphatic circulation, balance the nervous system, detoxify and to target cancer cells.

Often cancer initiates and grows in an "unhealthy milieu" that favors its malignancy. The Extra Cellular Matrix and the basal membrane may also help tumor to break away and to invade body through the circulation.

Tumor cells release dangerous toxins in blood circulation that in turn poison the tissue and/or liver and specially the kidneys.

That's why a whole view of the disease is need and that's why detoxification is so important when treating cancer patients Tumor growth rate is often influenced by blood supply, resulting from intoxicated blood, poor in oxygen, poor in antioxidants and other valuable enzymes and vitamins. Detoxification includes colon, kidneys, liver, lymphatic system, restoration of the micro-intestinal flora, regulation of the biological system, which balances homeostasis and constitutes an integral part of our strategy. Furthermore, chemotherapy is quite toxic to the functions of liver, kidneys and colon, which they all play a key role in the body's biological function and detoxification and therefore some special care is need.

Cellular Respiration

Over the past decades, Serge Jurasunas became a world leader in the treatment of restoring mitochondria and damaged cell respiration, based on the method of the late Dr. Paul Seeger, one of the great cancer researchers of last century.

Paul Seeger also developed the Warburg's theory on cancer by using a biological preparation, the famous liquid enzyme yeast cells which unfortunately is quite unknown to doctors. In fact he spent over three decades on this theory of cellular respiration using the enzyme yeast cells, but curiously not well understood by doctors of CAM. It seems that we are now assisting to a more growing interest on Warburg's theory on cancer. However the way an how to stimulate the cellular respiration still remains a challenge.

We have noticed that most health magazines in USA keep mailing references about the best biological cancer therapies that are only available in Germany. However the Serge Jurasunas' Clinic is on the edge of innovative therapies and probably one of the best and most complete, available in the World.

These innovative methods are of Holiterapias Institute only exclusivity. For instance, several approaches to lung and pancreas cancers, based on Serge Jurasunas methods are exclusive in his clinic only; and nowhere else in Europe.

An example is the famous stem cells formula developed by Serge Jurasunas, which is available for his patients only and findable nowhere else in the world. This formula called Biorejan is made from small molecules, extracted from porcine source which include umbilical cord, mesenchyme and spleen that have demonstrated extraordinary effect to treat cancer patients.

This unique formula available in frozen liquid vials is administered orally, which means that is easier for patients to take. Since 1990 Serge Jurasunas already had pioneered the use of umbilical cord injectable and other stem cells source, which means longtime before stem cells had become as a treatment of the future.

One of the most important biological preparations we use for about nearly 36 years, it is the famous liquid enzyme yeast cell that restores cellular respiration by stimulating mitochondria function. In other words enzyme yeast cells preparation may restore damaged mitochondria and reactivate cell's respiration. Enzyme yeast cells contain 17 vitamins, 14 minerals, all the essential amino acids, nucleic acids (all in natural form), sensitive enzymes, including coenzyme A, ubiquinone, coenzyme Q10, glutathione, cysteine, methionine, iodine, phosphorus, cytochrome etc; all them essential to the Krebs' cycle. Enzyme yeast cells contain biocatalysers that not only prevent against cancer but also destroy cancer cells as hydrolases, transferases and dermolases.

The purpose of stimulating mitochondria function is to boost ATP energy which in turn may activate the entire cell's cycle, including cell's differentiation, DNA cell's repair and apoptosis pathway. Chiefly chemotherapy affects healthy cells, damaging mitochondria DNA causing them to undergo mutation with dramatic decrease in ATP energy. The consequence is quite visible in the physical deterioration of cancer patients and from secondary tumor developed over a period from few months to few years.

Basically cancer cells do not use anymore oxygen as fuel but rather glucose. The destruction of the enzyme cytochrome a/a from the mitochondria complex IV is a main cause to the switching of cells from an aerobic process to anaerobic fermentation. Since oxygen cannot be accepted and unless cytochrome a/a3 is fully functioning (as oxygen acceptor), hydrogen is accumulated and becomes a poison to cells. This situation is also responsible for conferring resistance to apoptosis channel by cancer cells since ATP production is needed to activate the entire cell's function.

By restoring the mitochondria function step by step, cancer cells start to use more and more oxygen, becoming less aggressive and this way they may activate normal signaling function including apoptosis.

This is why it is urgent during chemotherapy to protect mitochondria membrane from ROS/RNS damaging activity and DNA injury. The clinic treatment strategy of Serge Jurasunas includes a special treatment that not only protects healthy mitochondria but that it can replace damaged mitochondria by new healthy

mitochondria. This includes protective vitamins, minerals, enzymes, peptide nucleic acids (PNAS), ribonucleic acids molecules, antioxidants, lipids replacement, etc.

Another important step is the restoration of the thymus gland function to increase the production of lymphocytes and immunoregulatory activities which are included in the treatment strategy since 1983. Fresh thymus extract and thymic stem cells were strategically included which increased not only the activity of the immune system but also the energy profile as well. Thymic stem cells may be used injectable (i.m.) one per week, during the first month to activate all the immune functions and thereafter patient gets the injection only one time every month.

Angiogenesis

Approaching cancer from an angiogenesis standpoint is a theory advocated by Serge Jurasunas for now about 15 years. One of the most efficient antiangiogenic compounds from liquid cartilage extract (LCE) was used by him.

This LCE has demonstrated strong antiangiogenic activity by targeting the angiogenic cascade in several directions.

This strategy permits to chock off tumor growth, reduce tumor size and/or eliminate tumor. It also prevents cancer cells to make new blood vessels to become active again. Several hundreds of cancer patients received this treatment together with some immunostimulant, since broken tumor is always more easily destroyed by immune cells such as NK cells.

We simply follow the decrease of vascularisation by checking our patients with the imaging thermographic system, which focus high temperature and excess of vascularisation in sensitive areas. In one word, it may be checked on how LCE decreases blood supply and if tumor brakes up on immune attack. Less aggressive tumor means less vascularisation and a decrease temperature from the thermography imaging reading

Immunomodulation

The immune system of cancer patients is 50% lower comparing to a health persons and it may even decrease more with chemotherapy.

Our immune cells patrol blood circulation to detect any intruder and the NK cells are considered to be our first line of defense against cancer cells. However, NK cells need to be activated to attack and destroy cancer cells. One of the compound used to activate NK cells is a modified Arabinoxylan extract from rice bran, cultivated on shitake mushroom, which has a strong immunomodulatory property.

This compound, made in Japan by Daiwa Lab., is a breakthrough in immunology. This compound is quickly absorbed by the intestinal wall to penetrate blood circulation and activate immune cells. Depending on the tumor, this compound called Biobran may activate from up 180% to 380% the NK cells that in turn will attack cancer cells. Biobran also known as MGn3 increases the effectiveness of chemotherapy and reduces adverse toxic effects.

Oxidative stress

Cancer patients have a low antioxidant status and most of them have a high oxidative stress which may increase after each chemotherapy session even more. Oxidative stress increases inflammation that is known to favor metastasis invasion (*Lancet 2003:4-760-68*).

Psychological tension from disease itself, surgery and hospital treatment obviously increase more stress condition and decrease antioxidants in blood circulation even more. It has been demonstrated that during chemotherapy increasing oxidative stress induce more adverse toxic effects and decrease the effectiveness of the antineoplastic agents.

Furthermore, many new lines of study have demonstrated that persistent oxidative stress during cancer disease contributes to the progression of cancer.

The Serge Jurasunas' clinical strategy includes a special antioxidant compound treatment that reduces oxidative stress and inflammation during a treatment of

chemotherapy. This compound does not interfere with the chemotherapy and on the contrary it increases its effectiveness.

The Clinic developed a low molecular antioxidant compound with SOD like activity (Anoxe) which possesses a very strong antioxidant property against free radical damaging effect; it possesses strong anti-inflammatory property and it also has strong inhibiting effects on COX2. Therefore it may be seen as a new novel agent against cancer. This compound is branded as Anoxe and is the strongest antioxidant available today. It may target cancer cells by also stimulating apoptosis to activate the killing of cancer cells.

Psychoneuroimmunology is a new field in science which demonstrates that brain and nervous system influence greatly our immunity; the same way as oxidative stress decreases the immune activity.

Breast cancer is the most emotive nervous cancer disease among other cancers and the research of Serge Jurasunas, in this area, first starts back in 1974, when observing the iris of breast cancer patients he found an empirical relationship between the disease and the neuro-psychic profile. Later in 1980, when a HLB method started to be used, the blood observation of patients exhibited high oxidative stress. This is the reason because balancing the neuro-psychic profile of cancer patients constitutes an important step to at least improve the immune cells activity and in other hand to avoid metastasis invasion, once cancer cells are attracted by neurotransmitters. Neuro-psychological intervention at the Holiterapias Institute includes not only psychological support which is a strong weapon but also herbals and venom snake preparation are being used for many years, with success. Of course acupuncture and relaxation is also another good option. Besides, antioxidants and orthomolecular medicine can be useful too.

Blood Assessment

Serge Jurasunas is well experienced with peripheral blood assessment that includes the H.L.B. and HRBM test, using a modern microscopic system with bright field and dark-field with a magnification up to 18.000x that permits to observe (HRBM test) very small particles. During the past 29 years, the so-called HLB blood test was developed and makes some real innovation.

Blood Assessment is an important technique to study live blood (and HLB dried blood) and a progress for cancer evaluation.

First of all, it permits to check about detoxification processes and see if liver, colon, kidneys and the lymphatic system are actually functioning and see if toxins waste is being eliminated out of body.

This observation monitors the status of red cells, white blood cells, platelets aggregation, bacterial and fungal invasion, lipid strand, coagulated blood, vitamins, mineral deficiencies and etc. For instance, coagulated blood is often common in cancer during chemotherapy and it is responsible for thrombophlebitis and thromboembolism, often very active in pancreatic cancer; consequently it rapidly grows a tumor through the activation of angiogenic mechanisms.

This observation is absolutely necessary to build up the real condition of the patient and for making a reevaluation after each treatment of chemotherapy and determine the damaging effect that can be corrected. The blood observation permits an on going assessment of the treatment progress and it indicates the needs for a more aggressive therapy.

Over the past decades, Dr. Serge Jurasunas has performed several thousands of live blood observation from cancer patients and accumulated over 5.000 photos. More lately he began to observe in cancer patients some very serious bacterial and fungal invasion that was not observed on the past 10 years before. The abuse of antibiotic, industrial food and other pharmaceutical drugs have developed some new kind of giant and resistant fungus and bacteria that even grow and spread faster with chemotherapy.

Blood assessment may be completed by determining the exact oxidative stress level of each patient, using a new technique of photometry, called of "Free Oxygen Radical Monitor" (FORM). It indicates after each treatment of chemotherapy the precise oxidative stress status which is indicated on a digital screen of the device. Then in case

of very high oxidative stress observation a treatment is suggested, using a low molecular antioxidant compound, the so-called Anoxe, to decrease value to an acceptable condition until a next treatment of chemotherapy.

An Infrared Thermographic Camera System is also widely use at the clinic to check time to time from any focal inflammation, or from eventual local metastasis, located somewhere in a target organ an in anticipation to any aggressive check-ups in hospital. In many occasions, we also diagnosed breast tumor and/or liver metastases are diagnosed to patients in the Clinic before external allopathic doctors discover and confirm by scan the situations. This system is quite efficient, not invasive and safe, in opposition to most medical diagnostics which normally include a PET scan that emits radiation.

Also each cancer patient case is different and personal from a psychological, physical and genetic standpoint and therefore patients respond differently to the disease and to conventional therapies.

Each patient may have some functional disorders which are scanned through a modern electromagnetic field computerizing device. This system can also monitor any focal inflammation, including teeth and jaws which today seem to be taken into serious consideration by many progressive oncologists. Excess of inflammatory processes are indeed known to activate metastasis in the neighboring tissue and that's why a couple of evaluations to the patient is necessary.

Other common situation, monitored by the electromagnetic field computerizing device is heavy metal intoxication and electromagnetic pollution. Heavy metals may impair the immune function, damage the liver and disturb the nervous system. There is a strong implication of heavy metals in cancer disease and detoxification is one vital step for any good treatment.

Iris diagnosis shows to be most useful and it provides valuable information, such as a full genetic profile of each patient and check every disturbed organs or systems that are linked with the disease. Iris diagnosis is able to provide a clear picture of emotional and nerve dysfunctions that often are linked in patients with breast cancer. Iris diagnosis offers an open window on the whole body and may explain why certain patients develop cancer. It may indicate specific conditions and the cancer risk in 75% to 80% of all cases.

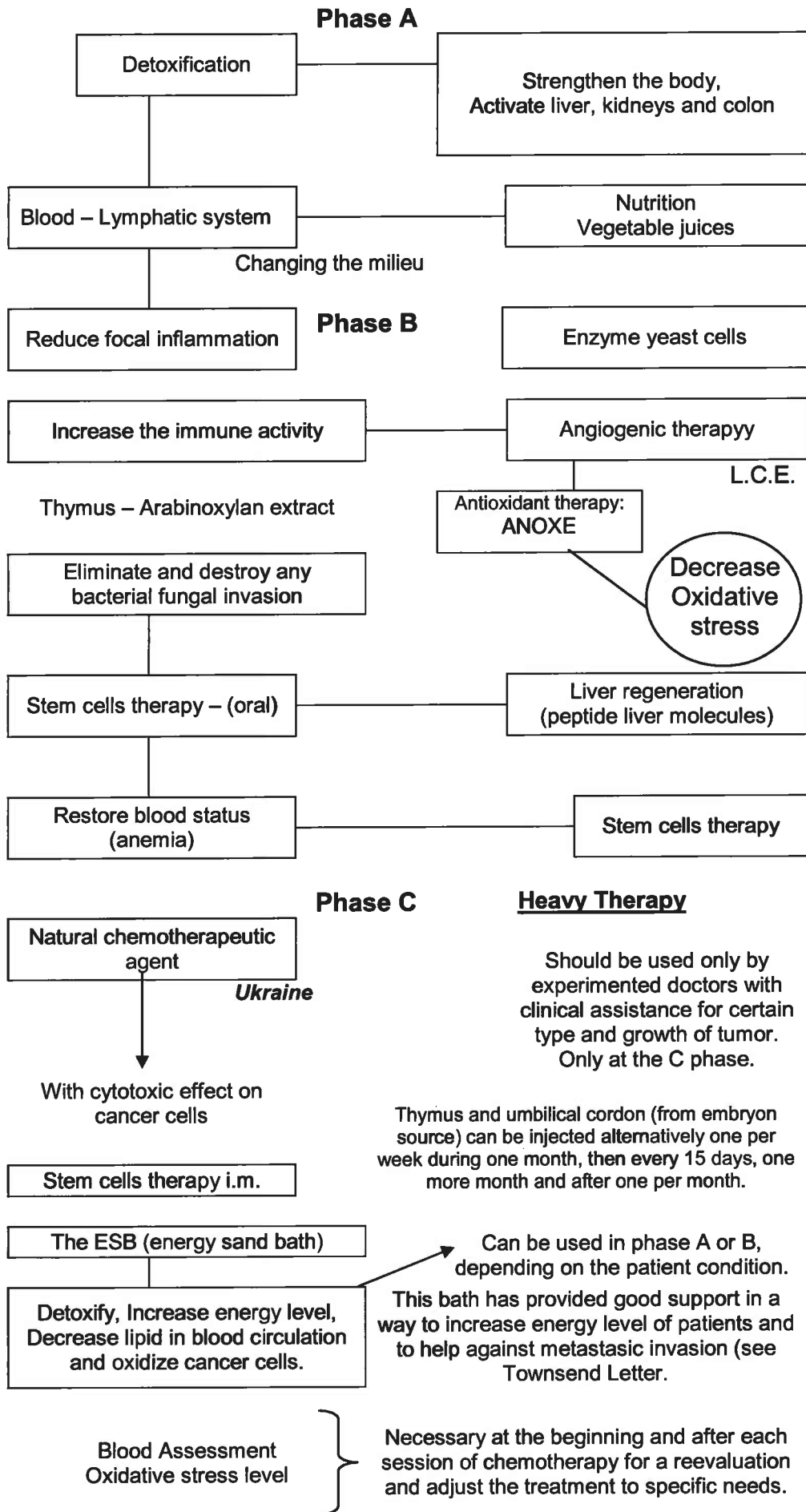
In the beginning of the disease many reasons can explain the adopted treatments which can be different from one patient to another. However, detoxification, to strengthen the immune system, to stimulate liver and kidneys function, to decrease oxidative stress and focal inflammation are all vital measures to take into account for each patient, but it is necessary to be more careful with aged patients and go slowly with them. Their detoxifying organs are not working properly and necrotic tissues resulting from a broken tumor will be circulating in blood, and consequently may block up kidneys unless a large dose of proteolic enzymes to dissolve them is used.

Heavy therapies as the natural chemotherapeutic agent Ukraine, the antiangiogenic therapy from liquid cartilage extract, the Biorejan stem cells formula, will enter in the second part of the treatment, after the initial treatment period of 10 or 15 days. Weak cancer patients need more attention and we cannot use a strong immune therapy immediately but only after a short period of time, and only when body is detoxified and physical energy, oxygen supply and other parameters will be increased.

Enzyme yeast cells and Anoxe (antioxidant compound) is a good beginning in order to improve all the body's function as explained before. Anoxe may even strengthen the brain neurons by reducing oxidative stress and improving the nerve and the emotional status of patients. It is believable that Enzyme yeast cells is a real biological therapy and should be use with every single cancer patient (except in stomach cancer cases).

Many cancer patients are anemic which decreases the effectiveness of chemotherapy and radiation. Even some patients suffering severe anemia are unable to do toxic treatment and need a blood transfusion. This situation can be resolved with the stem cells therapy (Biorejan) which indeed quickly increases the production of new blood cells and usually patients need no more to do any blood transfusion.

Serge Jurasunas Clinic Treatment Strategy



The Serge Jurasunas' Clinic Treatment Strategy starts for providing clues to first balance and/or restore the whole body function and in a second step to target cancer in many directions as possible.

Biological regeneration

- 1 – Elimination of chronic inflammation
- 2 – Reduce excessive fibrogenesis
- 3 – Improvement of the oxygen partial pressure and oxidation level to activate the metabolism and genetic system.
- 4 – Biological regeneration of the intestinal flora.
- 5 – Restoration of the liver function.
- 6 – Restoration of the enzymatic and digestive system very compromised in most cancer patients.

Target cancer cells

- 1 – Reduce oxidative stress (antioxidant therapy).
- 2 – Regulation of transcription signaling pathway.
- 3 – Angiogenic therapy
- 4 – Increase immune cells activity
- 5 – Induce apoptosis pathway
- 6 – Induce differentiation.

During chemotherapy/radiation

- Reduce or eliminate adverse toxic effects
- Increase synergism between chemotherapy and complementary treatment.
- Increase the effectiveness of chemotherapy.

Some more readings about Serge Jurasunas work in the development and treatment of cancer

- *Measuring Oxidative Stress Level with the Technique of Photometry FORM* (available on directly to Holiterapias)
- *A New Combination Therapy as Support to Conventional Treatment*, in Townsend Letter magazine, II, 289-290, August/Sept 2007.
- *Mitochondria and Cancer*, in Townsend Letter magazine, August/Sept 2006.
- *An Integrative and Naturopathic Approach to Breast Cancer by Serge Jurasunas (2003)*, available at www.sergejurasunas.com
- *The Therapy of Enzyme Yeast Cells in Cancer Disease, CFS and Aging Process*, published book by Natipress Ed., Lisbon 2002.
- *The Biological Approach to Breast Cancer – Deutsher Heilpraktikertag 2004* – in a Congress lecturer on 27/28th March, 2004, in Dusseldorf, Germany.
- *Liquid Cartilage Extract as a Natural Nutritional Adjuvant for Conventional Therapies*, in the 8th Congress of Nutri-phytotherapy on March 2007, in Brussels, Belgium.
- *An Integrative Approach to Cancer – How to Use a Combination Therapy and Functional Food to Enhance Effects of Chemotherapy in Clinical Cases*, lecturer in the Seminar of Integrative Oncology, in the University of Vilnius, Faculty of Medicine, on 7th October 2007.
- *Cas Clinique d'Efficacité d'une Combinaison de Produits Naturels dans un Cancer du sein Métastasé*, in the « Revue de Nutri-Phytotherapie », 1^{er} trimestre, année 6, 01-2007.

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