More Natural Approaches to Cancer Treatment

Speaker: Serge Jurasunas
Serge Jurasunas N.D. MD (Hom)

- 40 years of practice, research and development of innovative medicine and alternative therapies in cancer.

Speciality: Nutrition, orthomolecular medicine, oxidative stress and antioxidant therapy, stem cells therapy, detoxification, mitochondrial repair, peripheral blood analysis.

Holiterapias Institute of Integrative Medicine
Lisbon - Portugal

Member: Society of Integrative Oncology (USA), AAAA Medicine (USA), International delegate WOSAM
More natural therapies in the treatment of cancer

1 – Adjuvant clinical nutrition – Nutritherapy

2 – Targeting cancer through natural angiogenic inhibitor
Some common characteristics of cancer patients

- Antioxidants-vitamins, enzymes deficiency accentuated by chemotherapy.

- Wrong food diet.

- Poor appetite, poor digestion, malabsorption.

- Anorexia, malnutrition, decreasing quality of life, increasing mortality.

- Immune cells cannot function without vitamins, acidic milieu, poor oxygen.

- Negatively affected or damaged GUT system (bacteria or yeast movement into blood stream).
Peripheral Blood Analysis (nutritional and antioxidants deficiency)

Health status – Before and after chemotherapy

- Abnormal, damages shape red cells
- Platelets aggregation
- Lipid ribbon and plaque
- Fragile and disintegrate WBC’s
- Red cells in rouleau
- Bacterial/fungal invasion
- Microclots
- Liver stress
- Kidney failure
Photo 1 – vitamins-antioxidants deficiency.

Photo 2 – Large lipid ribbon after chemotherapy (colon cancer).
Photo 3 - Red cells with strong rouleau (drug intoxication after chemotherapy)

Photo 4 – large compact lipid plaques – yeast form like candida invasion – after chemotherapy

Photo 5 – large colony of yeast form like candida (PLFs) with compacted microclots.

Photo 6 – large colony of yeast form like budding sphere (overgrowth) impaired immune system – oxygen deficiency – bad cancer case

Dr. Serge Jurasunas – Holiterapias 2006

Photo 8 – Agglutinate red cells and platelets to form a thrombus (cancer).
Enzyme Yeast Cells preparation as anticancer food supplementation
36 years of experience

- Immunonutrition -

Attribution: Natural composition

Biological sources

Orthomolecular composition

High bioavailability

Rich in active enzymes

Developed by Dr. Siegfried Wolz – Co-worker Nobel Prize Prof. Lunnen (Germany)
Enzyme Yeast Cells Process

Enzyme Yeast cells is a pure liquid strain made from a fermentation process at low temperature (32°) using saccharomyces cerevisiae, fresh fruit juices, essential fatty acid, oxygen to enhance the formation of krebs cycle substrate and respiratory chain enzymes in the mitochondria of the yeast cells.

Enzyme yeast cells preparation contain several billions of enzymatic mitochondria.

Each 10ml contain 100 billions of active yeast cells.
17 vitamins – 14 minerals
16 amino acids, enzymes of the redox system, biocatalysors

Proteins – 46/50g for 100g of dried yeast
Particularly rich in vitamin B complex
B1, B2, B3, B5, B6, B12.

Iodine, potassium, magnesium, copper, selenium, zinc, iron, chromium, phosphoric acid.

- Activation of Krebs cycle
- Stimulation immune defense
- Activation metallic enzymes
- Against infection
Enzyme Yeast Cells contain

Particularly high in active glutathione (10mg/100ml of yeast preparation)
  methionine Detox – antioxidant – redox value
  cysteine

Particularly high in Q10
  – critical to mitochondria
  – Booster of energy
  – Powerful liposoluble antioxidant

Cytochrome oxidase, coenzyme A, NADH, Superoxide dismutase (SOD)

Rich in nucleic acid, nucleus building substances: adenine nucleotides,
ribonucleic acids – Nucleotides repair damaged DNA and enhance T-cell
maturation, function, enhance NK cell activity.
Enzyme Yeast Cells enhance immune system

Membrane contain defined polyssacharide 1-3D-glucan. (29-64%) – (1-6)40% mannan

Immunomodulating effects – anti-inflammatory and bacterial property.

Potent macrophages activator

1 – macrophages (bind to macrophage beta-glucan receptors)
2 – Lymphocytes
3 – Natural Killer cells (N.K)

- Support the production of cytokines
- Tumor necrosis factor alpha (TNFa)
- Interleukine 1 – beta (Il-1-B)

A strong Biological Response Modifier

Activate the regranulation of NK cells and restore their function.

Significantly reduce the infection related mortality rate in cancer patients (4.8% vs 30% control group from studies in Japan)
Activation of macrophage cells by Beta 1-3-D-glucans

Macrophages (big eater)

- Receptors
  - Dextin 1
  - Complement 3 receptor

- Interferon – Gamma (IFN)
- T.N.F.a
- Interleukine 1 – Beta (1L-1B)
- T-cells communication

Activate Natural Killer cells

Destroy foreign bodies, bacteria, fungi, necrotic tissues, dead tumor cells
Application in cancer

1 – Combination Beta-glucan + antineoplastic agent
Potentialize the anti-tumor effect

2 – Counteract chemotherapy-induced immunosuppression
Resulting in higher mortality

3 – Protect cancer patients from 5 – Fluorouracil induced leukocytopenia

4 – Counteract corticosteroid hormones induced immunosuppressive effects in cancer patients.

5 – Beta-glucans can affect biological responses to bacterial lipopolysaccharide (LPS) inducing pro-inflammatory mediators – immunosuppressor – angiogenesis – P53 down-regulation.
**Litterature**


The beta-Glucan receptor, dectin 1, is predominantly expressed on the surface of cells of the J. Immunol.2002.


NK cells are able to destroy cancer cells by attaching to the cell’s membrane and injecting cytoplasmic granules. A NK cell destroy in 5 minutes time a cancer cell and move to another.

A single NK cell can repeat this process with up to 27 cells in its lifetime.

However, when the NK cell is weak, the cancer cell can also destroy white cells.

Therefore it needs to be activated and addition of Enzyme Yeast Cells may increase their activity.

Regranulation of NK cells by beta-glucan restore their ability to destroy cancer cells.
One activate NK cell attacking 3 cancer cells
Enzyme Yeast Cells

Protection of DNA and cell membrane
Protection of mitochondria
Repair damaged DNA

Yeast cells are identical to the human body cell by 70% with the same repair mechanism.
Enzyme Yeast Cells Preparation

- Contain thin and fragile walled young oxygen yeast cells.
- Uniformly formed cells – clearly cells wall on which light is reflected.

Orally administered enzyme yeast cells reach the small intestine, open, release billions of enzymes, including natural vitamins, minerals etc. for fast absorption, body’s nourishment.

Total Biological Rejuvenation

Photo taken from a drop of the liquid enzyme yeast cells preparation
Indication of Enzyme Yeast cells

- Restore nutritional status
- Improve oxygen supply to tissue
- Restore damaged intestine – Regulation of bowel function
- Strengthen the immune system
- Anti-inflammatory effect – Reduce excessive fibrogenesis – prevent thrombosis
- Increase energy level and prevent fatigue (during chemo)
- Stimulation of the nerve resistance – Reduce depression
- Promote detoxification
- Increase cellular respiration
- Prevent or counteract anorexia

Overall increase Quality of Life
Conclusion

- Enzyme yeast cells preparation is not a simply mixed combination ingredients but are simply integrated in the cells with high bioavailability.

- Enzyme yeast cells natural ingredients work in synergy with each other and as an “Whole food” to increase the body’s defense resistance and inhibit some factors of tumor growth.

Enzyme yeast cells are the perfect anticancer food
A new approach to cancer: Angiogenesis

- Angiogenic agents to target proangiogenic factors.
- Inhibit vascularization of the tumor and destroy by apoptosis existing vessels.
- Selective therapy to tumor
- Result reduced tumor resistance
- Overall increasing effectiveness of standard chemo-regimen
Abnormal vessels make trouble

Malformed vasculature inside a tumor turns a bad situation worse (boxes). Flaws in the organization and functioning of blood vessels create barriers that prevent therapies from reaching tumor cells and foster an environment where those treatments are less effective. These unnatural internal conditions also contribute to malignant properties of the cancer itself.

**VESSLE FUNCTION**
- Oversize pores in vessel walls leak fluid into interstitial areas (between cells, vessels and other structures)
- High interstitial fluid pressure blocks transport of drugs and oxygen out of vessels to tumor tissue

**VESSLE ORGANIZATION**
- Oversize diameter and chaotic layout create irregular blood flow
- Absent or immature vessels make some tumor regions impenetrable

**TUMOR MICROENVIRONMENT**
- Dysfunctional vessels produce conditions of low oxygen (hypoxia) and high acidity
- Radiation and certain chemotherapies that require oxygen to kill tumor cells are ineffective
- Immune cells that might attack cancer cells cannot function in an acidic environment and without oxygen
- Hypoxia causes changes in gene activity that promote tumor cell migration toward healthy tissues

**FLUID BUILDUP**
- Tumor tissue edema, raising painful symptoms
- Fluid pressure drives tumor-generated proteins and cells toward healthy tissues and into lymphatic vessels, increasing risk of metastasis
1 - The effect of the liquid cartilage extract (LCE) as an angiogenic inhibitor

-A concentrate hydrosoluble extract of liquid cartilage using special patented technique.

-Contain biologically active mucopolysacharides and proteins with strong antiangiogenic property.

-Orally taken shown to be biovailable and non-toxic on long term administration on the contrary of Avastin or Thialidomide.

LCE targets many different aspects of the angiogenic cascade

Interfere with VEGF binding and signaling to VEGF receptor.
Inhibit MMP's – 2.9.12 activity.
Stimulate apoptosis of endothelial cells.
Promote angiostatin production in the vicinity of tumor.
Liquid Cartilage Extract Inhibit Angiogenic Cascade

- Inhibition of MMP'S (L.C.E.)
- Apoptosis of existing vessels L.C.E.
- Inhibition of the VEGF receptor
- Inflammation
- Decreasing Conjointly

Professor Serge Jurasunas 2008
Does antiangiogenic therapy enhance the effectiveness of cytotoxic drugs?

Yes, it does!

1 – Animal studies show that radiotherapy is enhanced by antiangiogenic therapy (1).

2 – Experimental animal studies show that cytotoxic chemotherapy can be enhanced by combining it with antiangiogenic therapy (2).

3 -Anti-angiogenesis therapy increase flow and oxygen delivery as well as a drug delivery to a tumor (3)


Comparable effects of chemotherapy with a direct targeting of cancer by antiangiogenic therapy.

Chemotherapy

30 days

60 days

90 days

Cancer cells recover and increase their resistance, making more vascularization.

Radiation

Antiangiogenic therapy

30 days

60 days

90 days

Less vascularization inhibition - starving.
Clinical application of L.C.E. at Holiterapias Institute with successful response in cancer patient during a 12 years period.

This include a wide variety of different cancer types such: prostate, multiple myeloma, lung, colorectal, breast, ovaries, melanoma pancreas.

- Benefit survival extension.
- Significative reduction of tumor size.
- Decrease of metastasis specially bone metastasis.
- Elimination of secondary nodules.
- Our patients take L.C.E. during several years without toxicity.
- Suggested in anti-cancer dormancy therapy
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<th>Therapy</th>
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<th>Produced by</th>
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<tr>
<td>Enzyme Yeast Cells Immunokomplex with additional concentrate wild fruits, vegetables extracts, betacarotene</td>
<td>40 to 60ml per day (up to 600 billions of enzyme yeast cells) mixed in beetroot juice, apple juice. Divided in 3 intake per day.</td>
<td>Dr. Wolz. Zell Gmbh Germany</td>
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<tr>
<td>Liquid Cartilage Extract</td>
<td>Frozen vial of 30ml concentrate</td>
<td>Atrium Biotechnologies Quebec - Canada</td>
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<td>1 vial under the tongue each morning before breakfast</td>
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The two natural products work with synergistic effects with various therapeutic options. The anticancer diet by Serge Jurasunas is suggested to combine more effectiveness.
Example of clinical improvement of a patient with liver metastasis and chemotherapy doing our anticancer food treatment including Enzyme Yeast Cells

2/12/08

3/26/08

The complete case fully illustrated is available in English and French.

X ray of the spine

After 3 months of combined therapy + chemotherapy.

Total elimination of the very large lesions in the ilium and spine.

Dr. Serge Jurasunas – Holiterapias 2006
Patient male – 73 years old – Prostate Cancer
clinical story: adenocarcinoma of the prostate – Gleason 7 (3+4) -
Advanced case – No surgery or chemotherapy/radiation.

10/11/2005 – bad physical condition – metastases to bone skeleton – PSA 354 nl/ml
Treatment – L.C.E. (Comitris) – Antioxidant compound (Anoxe) 18g per day –
Enzyme Yeast cells.

12/01/2006 - PSA 53.6 nl/ml - after 3 months PSA 1.4 nl/ml
After 5 months elimination of almost all the bone metastases.
Patient female – 62 years old
Clinical story: carcinoma left breast 1988
Partial resection– chemotherapy

2005 – Recurrence: Lung metastasis – However the patient refuse more chemotherapy with the alternative option of CAM.

22/11/2005 - CA 15.3 – 617-U/ml - ACE – 1.25 ng/ml

15/09/2005 – CA.15.3 – 446 U/ml - ACE – 1.23 ng/ml


06/02/2007 – CA 15.3 – 32 U/ml - RBC - 5.16 – Hemo 14.9
Female 52 years (pharmacist)

Clinical story: February 2004 -
Pancreatic cancer with abdominal large metastasis, multiple liver metastasis.

Under chemotherapy: Follow our strategy program including L.C.E., Enzyme Yeast Cells and antioxidants (no adverse effects).

3 April 2008: Good physical condition, good quality of life

New hospital check-up shown total elimination of abdominal and liver metastasis and reduce pancreatic tumor.
For more information:


-The therapy of Enzyme Yeast Cells in cancer disease, CFS and Aging process. Serge Jurasunas – Booklet.


-A new combination therapy as support to conventional treatment – Townsend Letter – Special issue “Alternative Therapies for cancer”

-More clinical cases.

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