

2008

Integrated View of Malignancy Cofactors

And basis for causal intervention

This is an essay on integrated intervention in malignancy cofactors. Discussion of the changing the cellular and energetic environment which leads to malignancy in hormone sensitive cell lines.



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Foreword

There is a consistent series of events which precede the formation of many cancers. These have been individually discussed in length by many authors. Please see the [Citations](#) portion of this document for further information.

These factors together orchestrate a cofactor network which enables cancer cells to propagate. Interventions normally concentrate on one or more of these factors. More successful interventions target more cofactors, usually without recognition that the factors are linked.

Cofactor Matrix

The alert reader will recognize that discussion is biased toward estrogen linked cancers.

The cell lines most frequently affected are activated by the reproductive process. These tissues tend to be more sensitive to sex hormones, and hence are more likely to exhibit errant growth in the combined presence of estrogen excess and fungal overgrowth.

Cell lines most often affected are linked with estrogen-driven reproductive biology.

Cofactor	Notes	Supports
Lymphatic Toxicity Fungal Overgrowth	Creates an environment for Fungal overgrowth Fungi tendrils invade endothelial cells triggering an energetic anomaly which stimulates growth of a trophoblastic blastema , trophoblasts	Fungal Overgrowth Damage to endothelial cells which triggers blastema formation
Liver Underperformance Pancreatic Underperformance	Enables lymphatic toxicity Reduces the availability of free enzymes, particularly trypsin and chymotripsin , which dissolve the waxy protective coating of a trophoblast exposing it to the immune system.	The accumulation of lymphatic toxicity The ability of errant trophoblasts to escape immune system detection
Bioenergetic Weakness	Inhibits conversion trophoblast cells from redifferentiation into the appropriate cell type based on their location in the body. The absence of redifferentiation enables the cell lines to drift into malignant and tumor forms. These are described in medical literature and lab reports as “undifferentiated” and pre-cancerous growths.	The ability of errant trophoblasts to avoid differentiation into normal cell lines and natural apoptosis
Immunological Overload	Enables overgrowth of undifferentiated cells. The combination of fungal overload, and keeping up with other opportunistic organisms leaves insufficient immune capability available to detect and overcome errant trophoblasts.	The ability of errant trophoblasts to evade immunological eradication.
Anabolic Bias	There are multiple causes of anabolic bias: <ul style="list-style-type: none"> • Cells close down to avoid choking on toxic sludge; • Resources for normal mitochondrial energy production are used as anti-oxidants and the normal energetic substrates are depleted 	Immunological dysfunction

Cancer is never the result of a single problem, or pathogen.

Seasoned cancer supporters and survivors usually recognize the suite of cofactors which accompany success in overcoming a cancer challenge.

Toxins and toxins and immunological dysfunction are inevitable objectives in overcoming any form of cancer.



Helping individuals with cancer is a daunting challenge because it is so complicated.

The matrix of variables combined with the fact that factors which create cancer host environment in the body are deeply rooted in long-term lifestyle behaviors.

One goal of this paper is to “bag, tag and tie” several culprits into a package that makes some sense. Related cofactors enable bundles of coincident dysfunctions to impair health, often enabling malignant proliferation.

Cofactor Details

This section describes methods which indicate physiological cofactors:

- Lymphatic Toxicity
- Anabolic Bias
- BioEnergetic Weakness Indications
- Pancreatic Indicators

Lymphatic Toxicity

Lymphatic toxins are substances that accumulate outside the cells. They provide a substrate for growth of a host of unwelcome visitors, yeast, fungi, and the like.

These critters produce substances which further pollute the lymphatic environment surrounding cells.

This author asserts that advanced pathogenic forms, like fungus, create a wide variety of toxins, including heavy metals, which augment the existing load of absorbed toxins available in the industrialized food supply. [Click Here for Supporting Science](#) regarding the ability of cells to manufacture toxins.

The toxins that they produce have a high concentration of Nitrate, NO₃ proteins.

Elevated Urine Nitrates

An elevated urine level indicates that the kidneys are breaking down lymphatic toxins on behalf of the liver and strongly suggests that the liver is not working.

Elevated Saliva Nitrates

Saliva is filtered lymph. Elevated saliva nitrates indicate that the liver is unable to clean the lymphatic fluid

and clearly indicates that the body tissues are living in toxic sludge.

Anabolic Bias

Anabolic bias suggests that the cellular energy production is deficient, and usually benefits from interventions which restore optimal oxidative or catabolic energy production processes.

It is useful to recognize that there are multiple, often collaborating culprits in anabolic bias:

- Cellular self preservation to avoid choking on toxins in a noxious cellular environment;
- An absence of metabolites which enable normal energy production. Often these metabolites are anti-oxidants which are used to bind and eliminate toxins.

Pancreatic Insufficiency

When a female becomes pregnant the pancreas decreases enzyme production to protect the fetus from being digested.

Estrogen suppresses enzyme release to protect the growing fetus.

Pancreas suppression is critical to the survival of the species because during early pregnancy the zygote is an anabolic parasite which nests in the uterine wall. [See Dr. Kelley's explanation.](#)

Pancreatic suppression is fetal-protective response is caused by elevated estrogen levels. Excess estrogen is stimulates growth in undifferentiated cells also – hence doubly enables malignancy development.

Individuals with estrogen excess, due either to:

- Long term estrogen use as birth control;
- Estrogen for hormone replacement;
- Dietary analogs from soy and plastics;
- Pathogens which produce estrogen analogs.

In any event, estrogen is a common factor in malignancy, particularly with tissues with elevated amounts of estrogen receptors. Estrogen excess is closely related to protein metabolism dysfunctions,

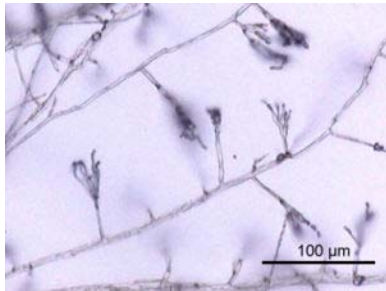


including cancer because of its pancreatic regulatory role.

BioEnergetic Factors

Robert Becker documented partial limb regrowth in rats by inserting nerve fiber through bone marrow joint to skin. Blastema generation is key to the cancer process. His research supports the hypothesis the neural / epithelial junction generates a blastema, which is a mass of undifferentiated cells.

Fungi create filaments visibly similar to the nerve grafts in Dr. Becker's experiments. The filaments create an electrical circuit connecting the low pH environment outside the cell with the relatively high pH inside the cell creating an electrical circuit.



The "battery" stimulates a blastema-like growth of undifferentiated cells, similar to Dr. Becker's limb regrowth experiments.

This essay suggests that when the blastema occurs in a body with a weak differentiation template, the stage is set for the blastema to evolve into a separate genetic organism, which functions like a parasite on the host, much like the early stages of a fetus are parasitic on the mother.



Conventional View

Modern medical literature tends to describe life as chemical process virtually disregarding energetic aspects of physiology and healing. Chemistry is oddly viewed as the dominant control in most physiological responses. This essay regards life, healing and growth, as an energetic phenomenon. Chemistry is present, but subservient to energetic controls.

This strategy differs considerably in nature because presents the energetic process of healing as dominant. We assert that cellular DNA is energetically active in the cell and drives the cellular morphological tendencies



which control tissue growth, adaptation and healing. These views are quite different than the chemical dominant views in medical literature.

In a nutshell:

- An energetic template controls the form of the body.
 - The template has both structure and strength.
- DNA is the energetic linkage between the cell and the template.
 - The difference between tissue reality and the template drives metamorphosis.
 - Cell reproduction and redifferentiation are healing.
 - The magnitude of the difference template and reality determines the cellular redifferentiation rate.
 - The template evolves driven by cellular stress.

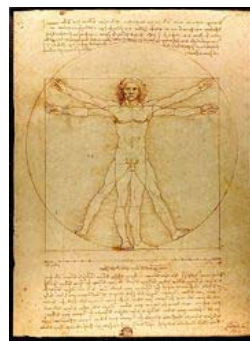
Healing is rate limited by:

- The strength of the energetic template.
- Availability of building materials.
- The ability of cellular DNA to recognize template differential.
- Morphological capability of the cells shift.
- Reproductive capability of morphological cells.

The Template Model

An energetic template controls the form of the body. The template has both structure and strength. Structure dictates physical tissue attributes by triggering cell type formation.

Strength defines the clarity of form by enabling morphological cells, to determine their "type" based on position in the structure. The DNA is an antenna



which enables each cell to correlate its actual position with the template position.

The difference between the tissue and template structures drive healing. Larger differentials produce faster healing because tissue form is very different from the template form. This explains why tissue regeneration in severe injuries is very rapid in the beginning, but slows as the trauma is less severe.

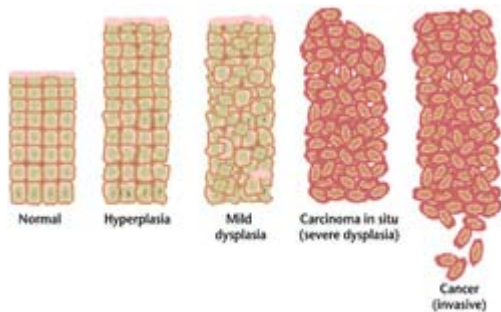
When tissue is less than template, growth occurs. When tissue is more than template, cell death, apoptosis occurs. The magnitude of the difference between template and tissue determines the rate of the physiological shift.



Deterioration of the cellular ability to adhere to the template results in physiological degeneration.

Healing speed is as fast as possible while Cellular growth tightly controlled.

This is a critical distinction. We can optimize healing, to an almost unlimited rate. **BUT** Structure changes are tightly controlled, and are limited to incremental shifts in the biological template, driven by incremental *evolution* in structure mandated by physiological inadequacy, recognized by the tendency for repeated damage pattern in tissue.



There are lots of keys here:

One time healing is not rate limited. In a primal context, injury inhibits our ability to survive. Fast healing is a fast return to survival enabling behaviors.

There is body template. This template provides the structural character of the body. The cells

in the body implement to the template. Healing returns the tissues to the form dictated by the template.

The template is adaptable. The template is not fixed. There is a bi-directional communication where the template recognizes a need for evolution driven by a repetitive cellular trauma. Trauma iterations cause the template to adapt slowly.

Adaptation is driven by need. Adaptive response is governed by a recurrent stimulus which imprints the template. The imprint shifts the template to generate tissue which will be less susceptible to the source trauma.

Cellular trauma patterns drive adaptation.

Note that a single injury does not cause adaptive response. A cut, sprain or broken bone causes regeneration to the original state under optimal conditions. Repeated trauma, usually minor, drives the adaptive response where the body anticipates future needs.

Adaptations are permanent. Injury causes the cells to *heal to* the current template instead of an earlier version.

Adaptations are genetically coded. Moreover, there is a tendency to pass template adaptations to offspring, in contradiction to [Mendel's laws](#).

Durable Adaption is continuous –[See Pottinger's Cats](#) teach ancestral genetics are not the sole factor in inheritance. Environmental influences cause durable genetic shifts in a single generation.

The Cancer-Energetic Connection

In cancer, the blastema lacks the ability to lock on to the body's form template. This explains the tendency for non-cellular energetic interventions, to favorably affect cancer recovery.

This author suggests that many energetic therapies enhance the template, which in addition to cellular influences, improves the linkage between the new cells and the template.

The template model creates a stage within which to explain the both the positive and influences psychological factors have on illness and health in general.

There are two likely effect domains:

- Improvement in the strength of the template makes it easier for cells to “lock-in” to their function and structure;
- Evidence suggests several types of devices including Pulsed Fields tend to repair the DNA structure, further improving the linkage cellular linkage to the template.

Each of these effects improving cellular ability to become what they need to be, instead of something unpleasant.

Sensitivity to magnetic fields

Many individuals are sensitive to magnetic fields. They become disturbed near power lines, cell phones, and near electromagnetic sources.

Power companies, cell phone vendors, and the industries which move power and information strongly prefer to avoid publication of information which shows negative health effects from commercial EMF industries to preserve their economic well being.

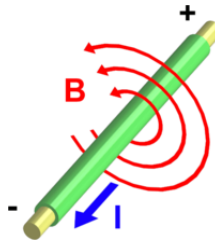
Individuals who experience these disturbances strongly disbelieve popular assertion that electromagnetic influences are biologically neutral. [A large body of scientific and popular data supports the assertion that electromagnetic fields are very biologically active.](#)

On one hand, many electromagnetic devices are documented to provide significant health effects; while on the other; commercial sources of electromagnetic pollution fervently claim that their emissions have any effect on biological systems whatsoever.

If you want to prove that electromagnetic emissions have an effect on living systems, put a mouse in a microwave oven.

Separating Sensitive from Insensitive

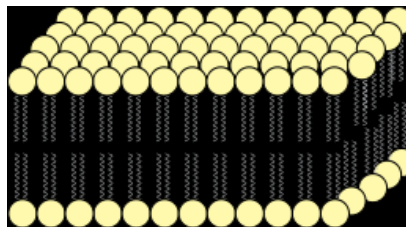
There is a strong tendency for people with poor cell membrane integrity to be significantly more sensitive to electromagnetic radiation than individuals with high cell membrane integrity and optimal membrane power.



Weaker cells naturally absorb energy from wherever they can, including from stray electromagnetic sources. Electrically weak individuals are more sensitive than electrically strong individuals.

Membrane Power and Proliferation

Cell membrane weakness participates in cell proliferation. A weak membrane combined with



electrolyte imbalance causes the cell to expand stretching the membrane too thin. A self cell responds by dying; a non-self cell responds by

dividing to minimize the membrane surface area to survive.

As a result cell membrane integrity is a factor in malignancy. PEMF devices reinforce the electrical strength of membranes, and help to deflate errant cells reducing the rate of and tendency for malignant cell proliferation.

Knowing Good from Bad

The difference between beneficial and detrimental exposure boils down to the tendency for an exposure

$$I(\omega) \propto \frac{\frac{\Gamma}{2}}{(\omega - \Omega)^2 + \left(\frac{\Gamma}{2}\right)^2}$$

to impose an unnatural resonance pattern on the cell or on the body.

The unnatural resonance disrupts the natural biological processes which require the natural harmonics to operate optimally. A beneficial influence enhances the tendency of cells to function normally.

In other words, electromagnetics which draw tissues away from their natural [harmonics](#) induce



disturbances which may to disrupt cellular or systemic function.

This is why cell phones (MHz), and power lines (60 Hz) tend to produce discomfort in certain individuals. These individuals generally lack the ability to resist stray harmonics, and the stray harmonics draw them into an unnatural resonance.



Resonant Therapies

Certain frequency devices tend to reinforce potentially weak biological functions. [Royal Rife](#), [Fritz Popp](#), and many others have spent a lifetime studying biological [resonance](#) phenomenon, and developing ways to use varying forms of energy to beneficially influence biological systems.

These strategies tend use resonant strategies to enhance biological performance of a host entity, or to disrupt the biological performance for pathogens.

Pulsed Therapies

Pulsed magnetic fields supply raw energy to cells.

An example is like striking a bell. The bell rings at its own tone, as long as the strikes are timed far enough apart. Striking the bell at closer intervals increases the average volume of the ringing, but does not damage the bell.



Pulses and Ringing

The resonance of the bell, ringing, tends to cause dirt, and rust, to fall off because the non-bell particles to vibrate at a different frequency at the bell. This resonance differential causes the bell and the dirt to try to move in different directions and stresses the bonds that hold them together. The net effect is that loose dirt will fall off of a ringing bell.

Indicators and Tests

Testing is a key.

The ability to know and manage intervention reflects the ability to succeed.

The tests provide a basis to determine baseline, and progress. They also help support confidence.

It is important to avoid the view that the outcome of one test guarantees success. On the other hand, progress across the marker spectrum significantly improves the odds of success because it indicates that more cofactors are overcome.

Each removed cofactor is like a straw off the camel's back. Each removed straw improves the odds that the body will have the resources to overcome the remaining challenges.

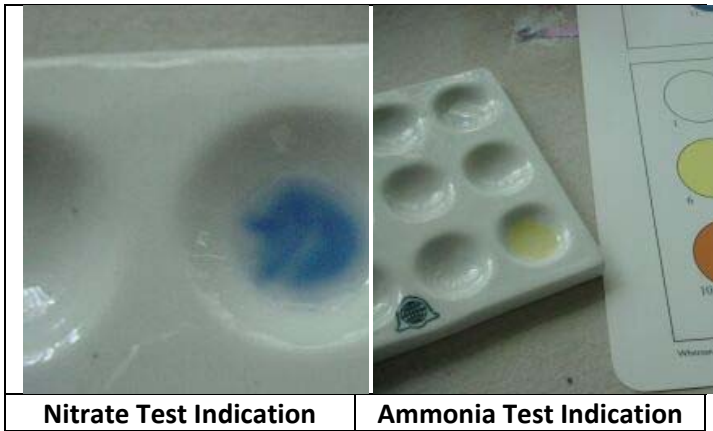
Lymphatic Toxicity

The toxins that they produce have a high concentration of Nitrate, NO₃ proteins.

Nitrate proteins are easily determined by Reams testing. Reams' testing indicates the levels of Ammonia and Nitrate protein in the saliva and urine. This test is not available from commercial labs and is not part of a normal blood panel.

The testing system, good for about 100 tests, costs about \$50. Tests are available from various sources; however we recommend the <http://biomedx.com> system, which provides a very comprehensive system for evaluation of pH, oxidative metabolism, and many other physiological indications.





Very frequently, individuals with cancer indications show extremely elevated Nitrate Levels in urine and often saliva. Normal levels usually are less than a “10”. Individuals with “cancer” often show levels 12 to levels to 36 or more.

Nitrate testing is a very useful tool in monitoring the body’s detoxification process and systems.

Anabolic Bias Evaluation

Anabolic implies that there is a tendency toward the anabolic side of the metabolic process. Anabolism is identifiable from a variety of metrics:

- Urine pH elevated above 6.2
- Tendency for constipation
- Tendency to be tired during the day
- Tendency for thirst and volume urine
- Multiple high volume nighttime urinations
- Eosinophilia above 100 cmm
- Red cell sedimentation rate below 4.5 mEq
- Low density urine, below 1.016
- High urinary surface tension, above 89 dyn
- Elevated calcium or chloride excretion

Pancreatic Insufficiency

Pancreatic performance evaluation is fairly simple. Here are telltales which indicate decreased pancreas function:

- Elevated Nitrates in Urine –the body lacks free enzymes to break down pathogenic forms;
- Flatulence after meals – food converts to gas in the absence of digestive enzymes;

- Bloating in lower gut- inadequacy of digestive assets leads to bulk and bloat sensations;
- Tendency toward Constipation- [peristalsis action](#) is inhibited and water is not drawn to gut;
- Meat doesn’t digest well – cannot digest protein because of a lack of enzymes;
- Foul smelling stools – the difference between digestion and rot;
- Exaggerated scarring—low free enzymes inhibit the body’s ability to re-absorb partially differentiated tissue lines;
- Tendency for fibrin growth accumulation in the body—in the absence of circulating enzymes prevents fibrin breakdown resulting in accumulation of bulk tissues;
- Poor availability blood clotting due to absence of protein matrix substrate;
- Flaccid or weak tissue structure due to systemic protein deficiency.

Under optimal conditions, the pancreas plays an important role blastema control. Free circulating enzymes dissolve the wax protective coating on tumors exposing them to the immune system.

[Here is a link to Dr. Kelley’s self test for pancreatic performance.](#)

When the pancreas is off line, or suppressed in the long term by excess estrogen, the environment is less resistant to spontaneous blastema growths which become cancer.

BioEnergetic Factors

Energetic evaluation is fairly simple also. Individuals with weakened bio-matrix tend exhibit uncomfortable sensitivity to electromagnetism.

Ringing and Pathogens

Biological tissues stimulated with raw pulse energy resonate at their natural frequency.

Reinforcing the natural resonance strengthens the dominant organism. Similarly, strong master resonance creates an often debilitating strong



energetic disadvantage for pathogenic organisms, by disrupting non-harmonic, pathogenic elements.

PEMF exposure also provides anti-pathogenic effects most clearly documented in the ability to use PEMF as a sterilization and [pasteurization](#) technique, [NIH References Here](#). It's very handy to be able to do [in-vivo](#) sterilization, and to strengthen the host organism.

Pulsed Magnetic Fields and Biology

The situation in biological organisms is similar. The pulse is the ringer, causing the body to ring strong at its natural frequency. Anything which doesn't ring along, like pathogens, experience stress, and encounter an environmental disadvantage.

Electromagnetic Sensitivity Explained

Electrically weak individuals will ring loudly. This potent ringing creates strong sensations.

Individuals with electrically weak cells tend to be more sensitive to pulsed fields because their cells respond more readily to both beneficial and harmful radiation.

They tend to gain energy rapidly from pulsed fields which supports cellular metabolism. Likewise they tend to resonate with harmful radiations. Use of pulsed magnetic fields tends to decrease sensitivity to detrimental electromagnetic radiation by strengthening the native bio-field.

The Acid Trap

Popular science has recognized the value of pH as integral to part of biology.

The relationships are not near as simple as acid=bad, alkali=good. Acid/alkali management are invaluable tools in metabolic management.

The use of urine pH as a metric for cancer treatment by itself is a recipe for disaster:

- Many cancers present and require an anabolic imbalance;

- An anabolic imbalance presents overly alkali urine, from 6.2 and over;
- Alkali urine touted as "good" in the alkali crazed media is actually a marker for a significant telltale of cancer metabolism.

PH is very useful, but it is an unreliable indicator by itself in any metabolic condition. All of health is balance.

Protocols

These protocols are a suggestion to manage the underlying loads which often inhibit the return to health with individuals that present disease conditions.

For cancer, the long term issue is not war on "cancer cells" the focus is to restore enough health so that the body can maintain itself cancer free for a long time, which enables the individual to continue to participate in the experience of life.

Sometimes it makes sense to use adjuncts which help the immune system to overcome a batch of unwelcome cells. But it's even more important to correct the reasons why those cells were able to thrive in the first place. These protocols are compatible and complementary to many forms of anti-tumor interventions.

Cofactor	Protocols
Lymphatic/Liver	Soft Liver Flush Coffee Enema Hard Liver Flush Cellular Liver Protocol Membrane Oil Change
BioEnergetics	Pulsed Magnetic Fields RIFE Frequency Devices
Anabolic	Oxygen Therapy Revici Protocols Reams Protocols
Pancreatic Performance	Enzyme Supplements Kelley Protocol



Citations

These publications reflect the functional basis for this program:

- Hulda Clark, many titles, explored the relationship of pathogens and cancer!
- Ron Gdanský expanded Hulda's work suggesting that fungal intrusion into endothelial was a consistent factor in many cancers;
- Robert Becker, *The Body Electric*;
- Donald Kelley . [One answer to cancer](#).

