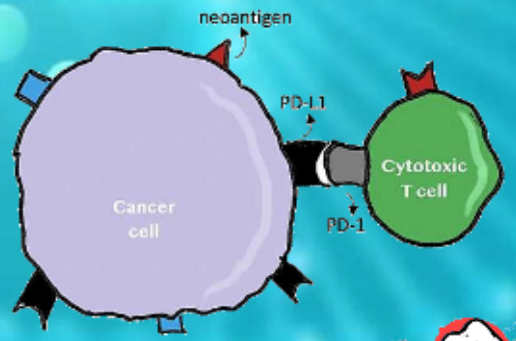
I'm Baaack!

CAR-T Cells



JUDITH EDMONDS

My Journey

February

- I became ill in February within two weeks of having my third Covid vaccination, Pfizer.
- My back pain became much worse and I saw an orthopaedic doctor in Phuket. X-rays showed I had two spinal fractures. I previously knew I had one.
- I also had terrible stomach pain. A colonoscopy and endoscopy showed chronic wind, helicobacter-pylori and diverticulitis.

My Journey

March

- By mid March the pain was unbearable so I was given a morphine injection and told to go back to see the orthopaedic doctor if the pain continued.

My Journey

May

- In May I had an MRI when I was in Pattaya. This showed 4 fractures. The doctor did not suggest anything different from what I had been doing. He said no exercise except to walk for thirty minutes every day.

My Journey

- I chose another orthopaedic surgeon who took back x-rays and said my calcium levels were extremely low but no further tests required as he had seen the MRI results. He said three months rest at home, no exercise, take a calcium supplement and come back every month for an x-ray and to see him.

My Journey

- Meanwhile, I had been seeing Doctor Patrick , but he was at a loss as too what to do as I became more and more tired, had vertigo and shingles. Unbelievable pain from the shingles. I could not sleep but was exhausted.

My Journey

August

By August we realised I had never seen the MRI report. On receipt of it, it included the fact that a haematoligic problem was present. Doctor Patrick did blood tests and my anaemia had become very bad, more than seven. He sent me to a haematologist who admitted me for blood tests and transfusion.

My Journey

There is another lady at the clinic I'm attending, who has the same problems as me, again after the Covid vaccination.

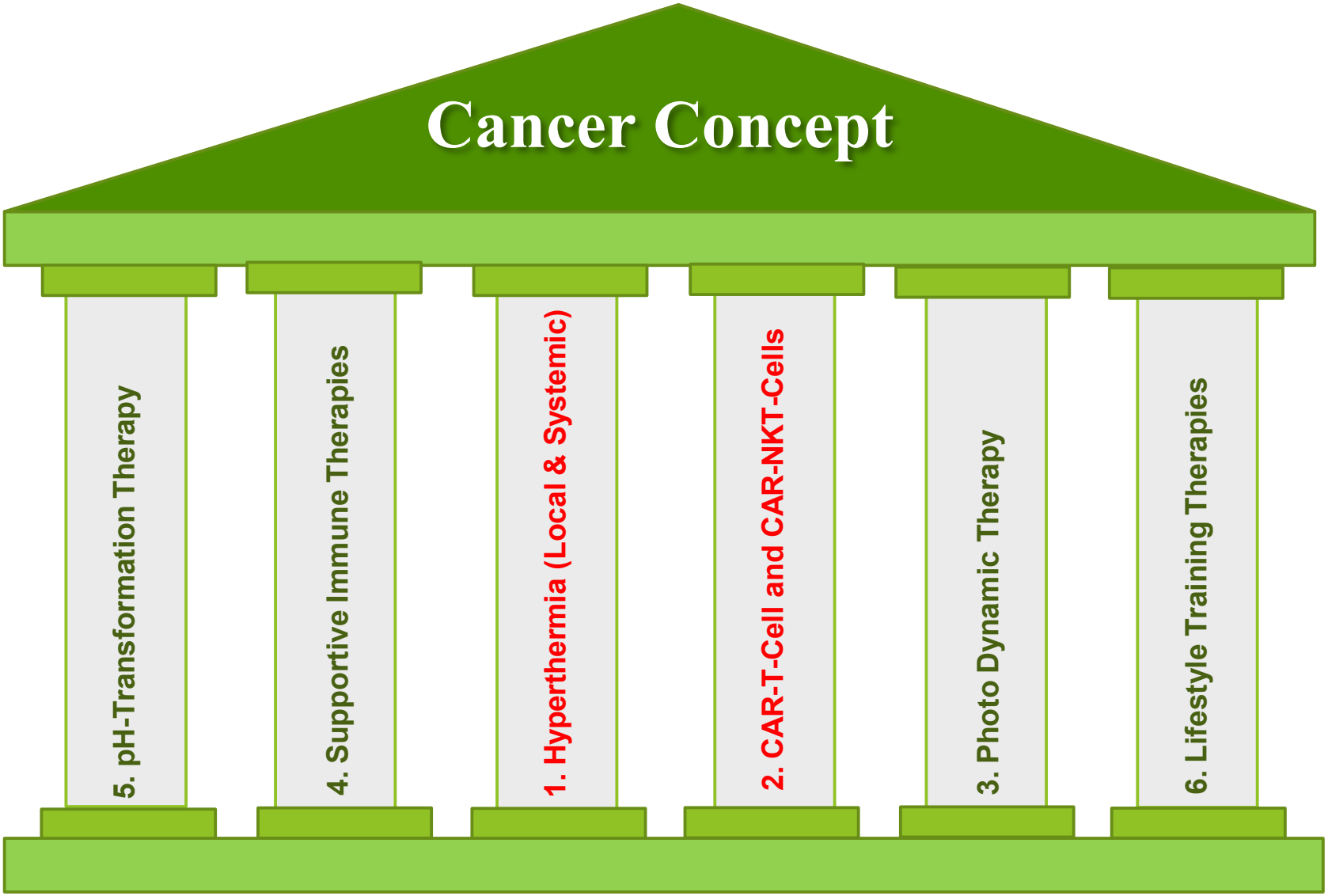
I have been reliably informed, by two doctors, that cancer and other illnesses have increased in the last 3 years and many of these people had become ill since having Covid vaccinations.

I’m receiving my treatment and my two sons are receiving preventative treatment

Cancer Concept

for systemic and solid metastatic cancer types
with a focus on CAR-T-Cells and NK-T-Cells

Treatment Information
Cancer Therapy Concept



The six pillars of Cancer Concept

Treatment Concept for systemic and solid metastatic Cancer types

iv Therapies

Supportive Cancer Therapies

- Curcumin High Doses
- Resveratrol High Doses
- Artesunate/Amygdalin
- Dichloroacetate (DCA)
- EGCG
- Vitamin-Mineral and Amino Acid Complexes

Core Therapies

Hyperthermia

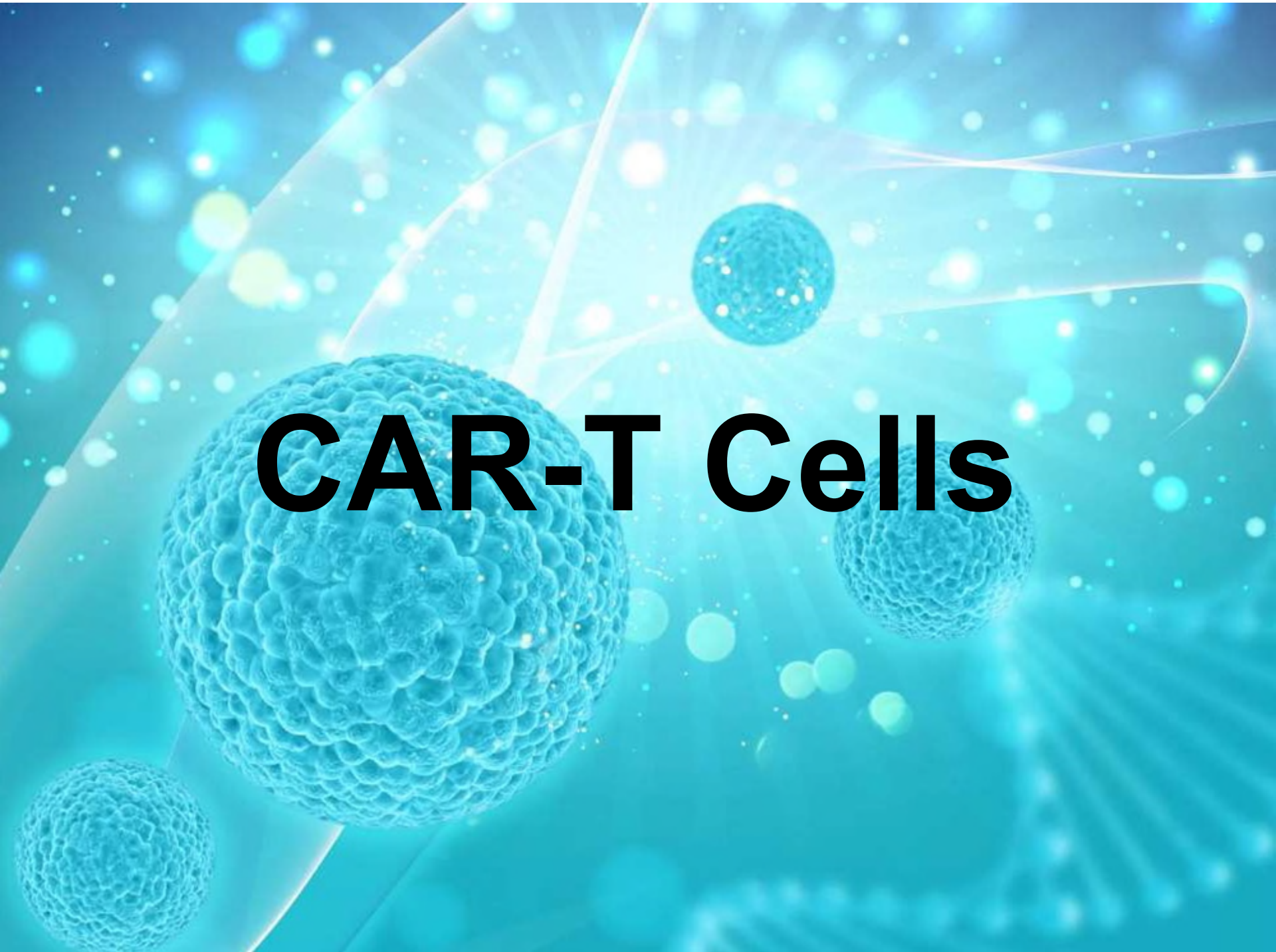
CAR- & NK-T-Cells

SPDT

physical Therapies

Supportive Cancer Therapies

- Ozone Therapy
- Oxygen Multistep Therapy
- Oxygenation
- Hyperbaric Oxygen Therapy


CAR-T Cells

What is Car T-Cell Therapy?

A cancer treatment in which a patient's own T-Cells are modified in the lab to destroy cancer cells.

A **T-Cell** is a type of immune system cell that attacks cancer

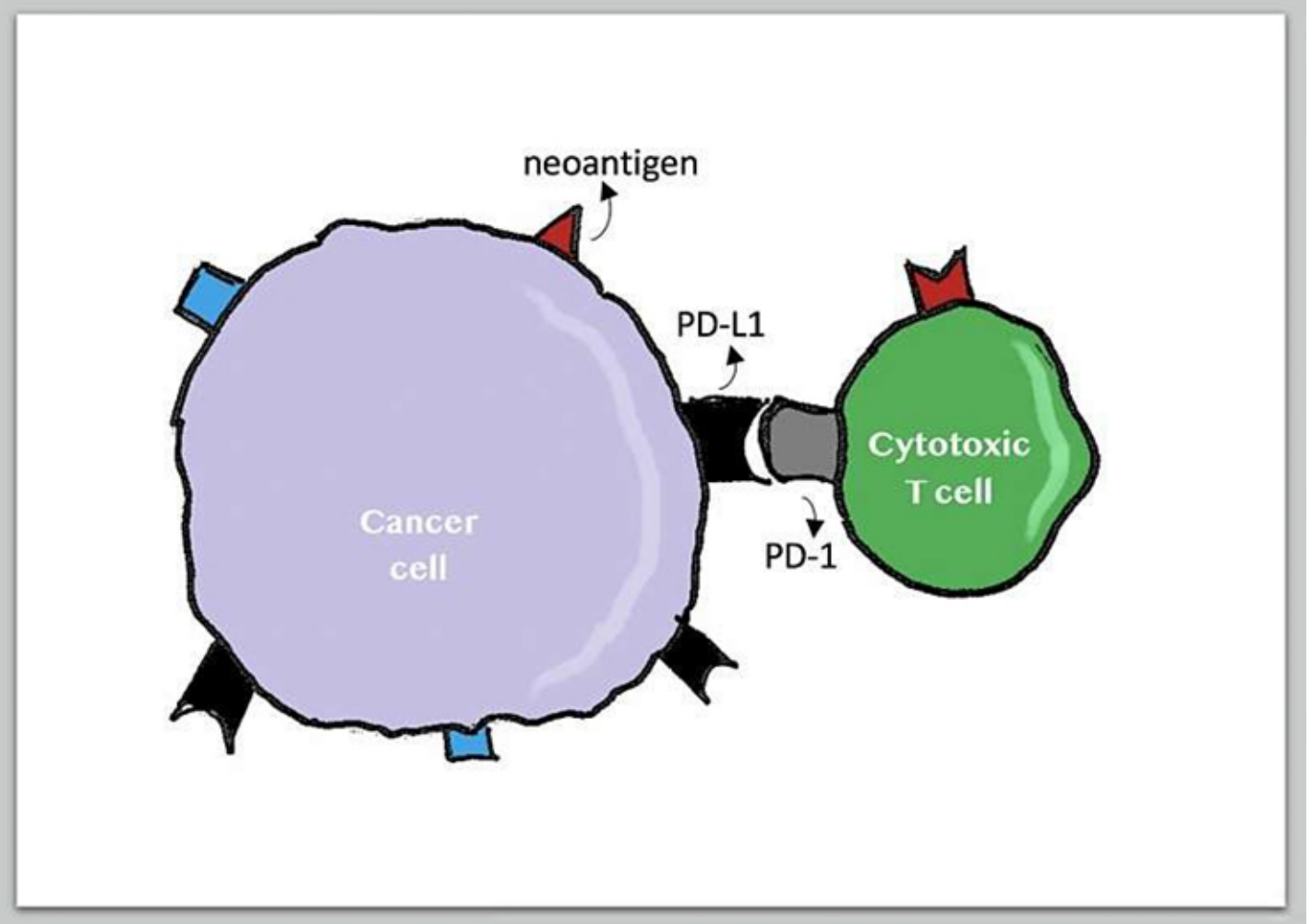
For Car T-Cell Therapy, 50 ml of blood is collected from the patient.

A special gene called a "Chimeric Antigen Receptor" (CAR) is added to the patients own **T-Cells** in the laboratory.

Large numbers of the modified T-Cell now called a CAR T-Cell are grown in the laboratory and given to the patient by infusion.

These Car T-Cells will identify the patients cancer and destroy the cancers cells

Normal T-Cell Locking onto Cancer Cell and Injecting Toxins into the Cancer Cell



Why Do We Modify the Patients T-Cells ?

Immunosuppression

Diseased Cells have protection mechanisms:

- Diseased cells can disguise themselves so T-Cells cannot identify them
- Diseased cells create many antigens on their surface so the T-Cells cannot “lock on”
- Diseased cells turn off the immune systems response to them

Car T-Cells can overcome Immunosuppression better than normal T-Cells

Engineered CAR T-Cells are more resistant to immune suppression

CAR T-Cells contain switchable receptors to circumvent immunosuppression

Regional Injections to Solid Tumors can help to minimize immunosuppression

How Do We Modify a Normal T-Cell into a CAR T-Cell?

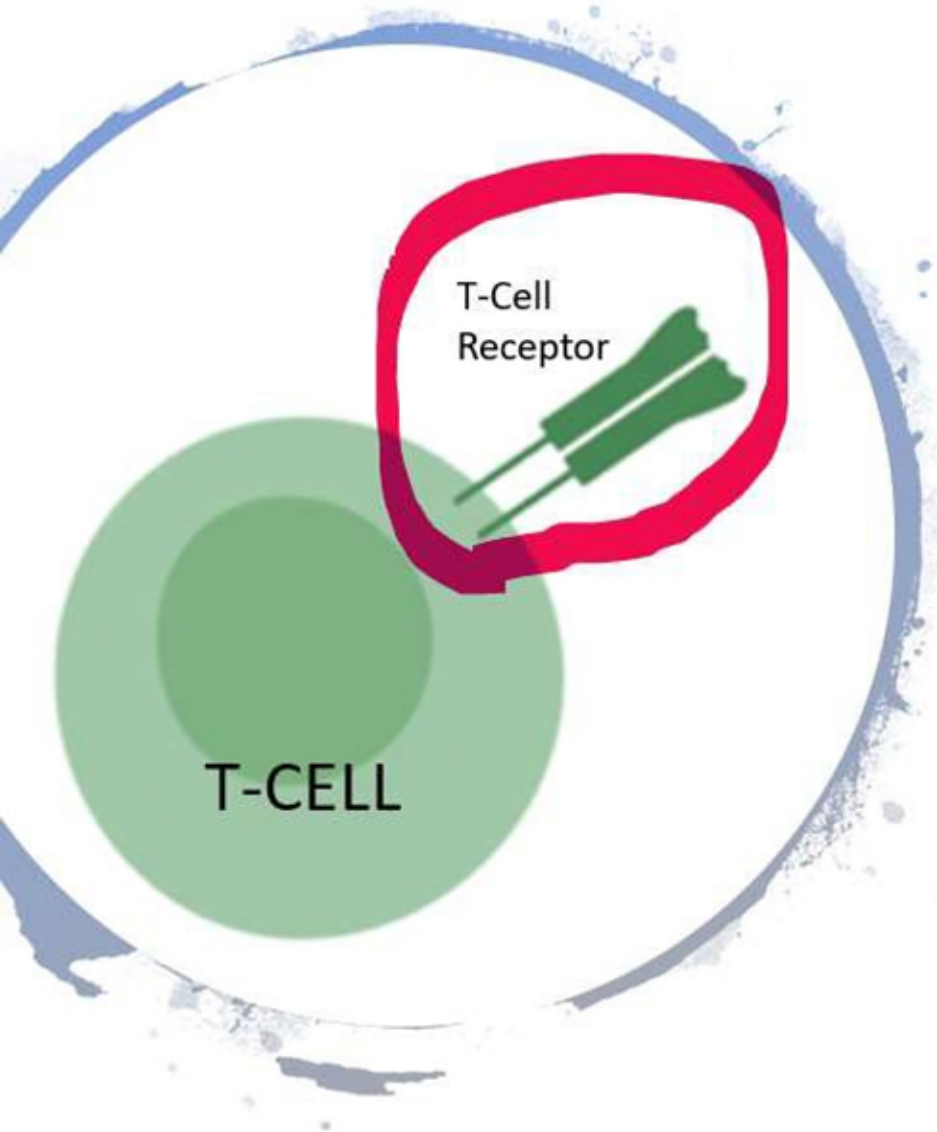
The white blood cells including T-Cells are separated out of the blood

An Inactive Virus is used to insert special genes into the T-Cell

The new genes cause the T-Cell to create new receptors called CAR

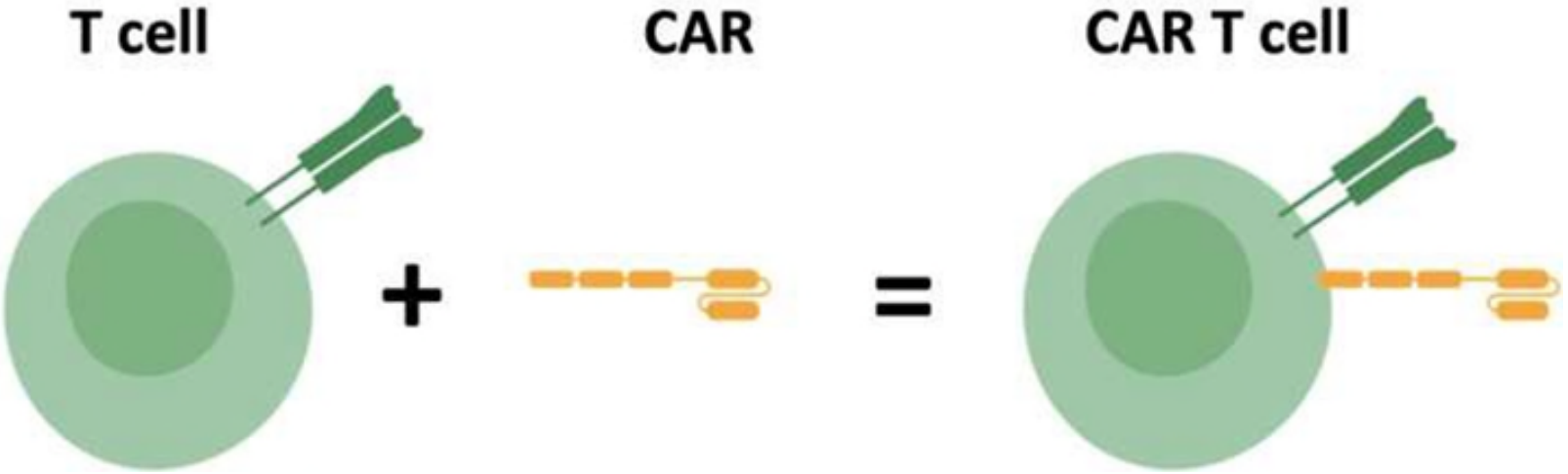
The new receptors on the CAR T-Cell are attracted to targets on the cancer cells

These new modified T-Cells now called Car T-Cells and are then expanded to millions to create a therapeutic dose



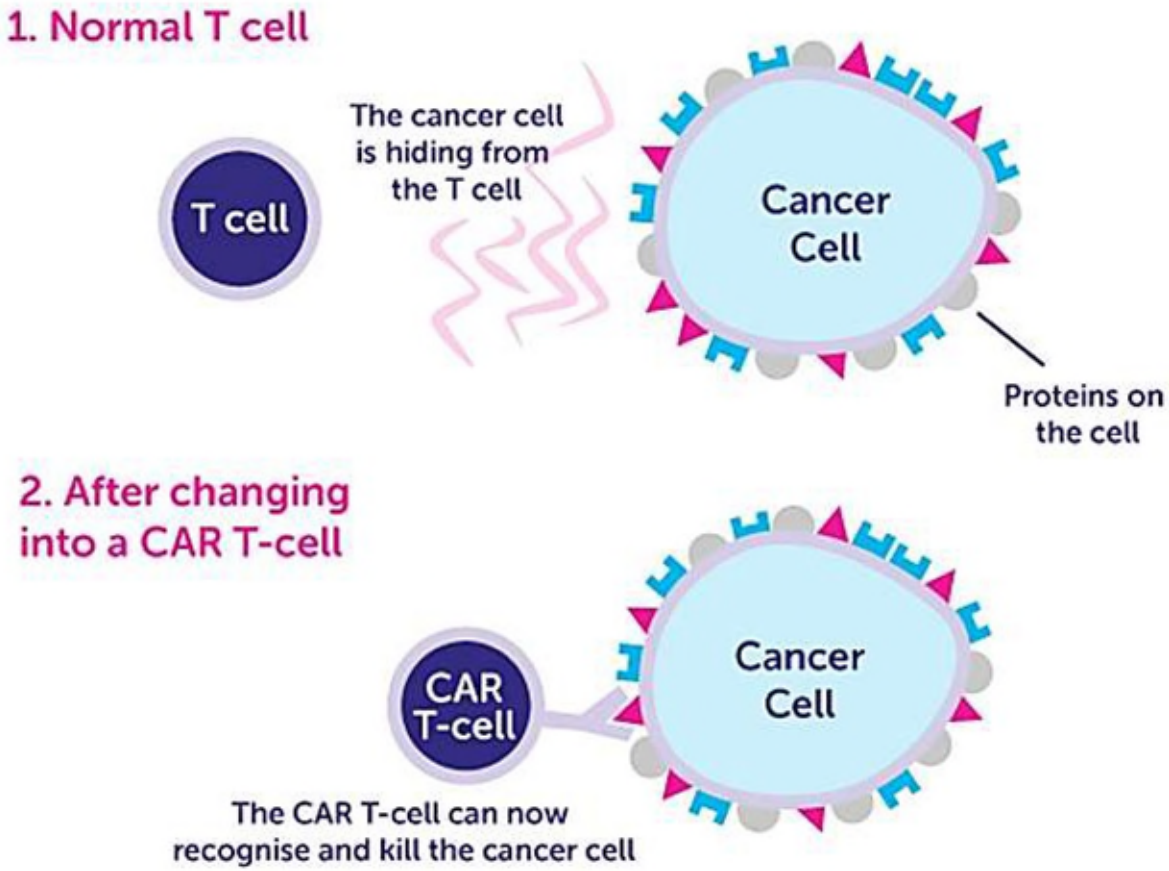
How do T-Cells Destroy Diseased Cells?

- T-Cells have protein receptors on their surface
- T-Cells locks on to diseased cells and releases toxic chemicals through the receptor into the diseased cell
- T-Cells recruit other T-Cells to the area of the diseased cell

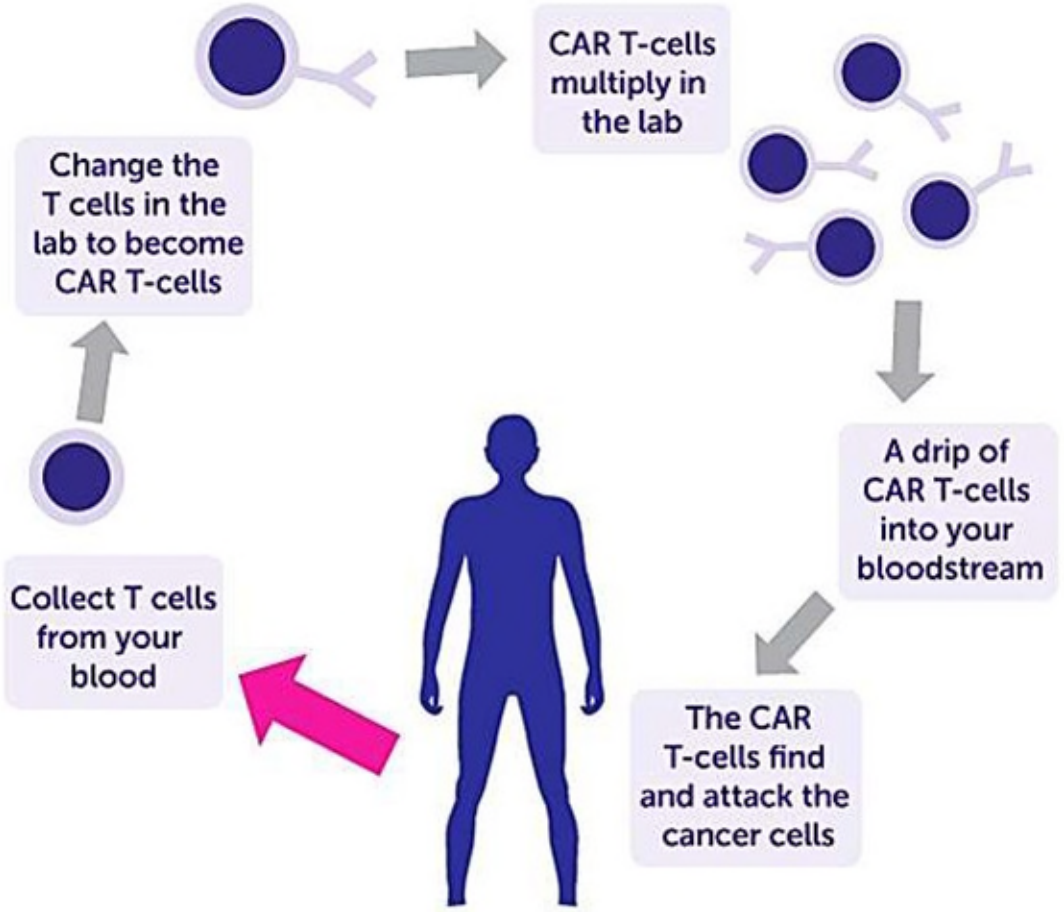


Normal T-Cell Modified into Car T-Cell

Car T-Cell Therapy changes a Normal T-Cell into a Car T-Cell that is better able to target cancer



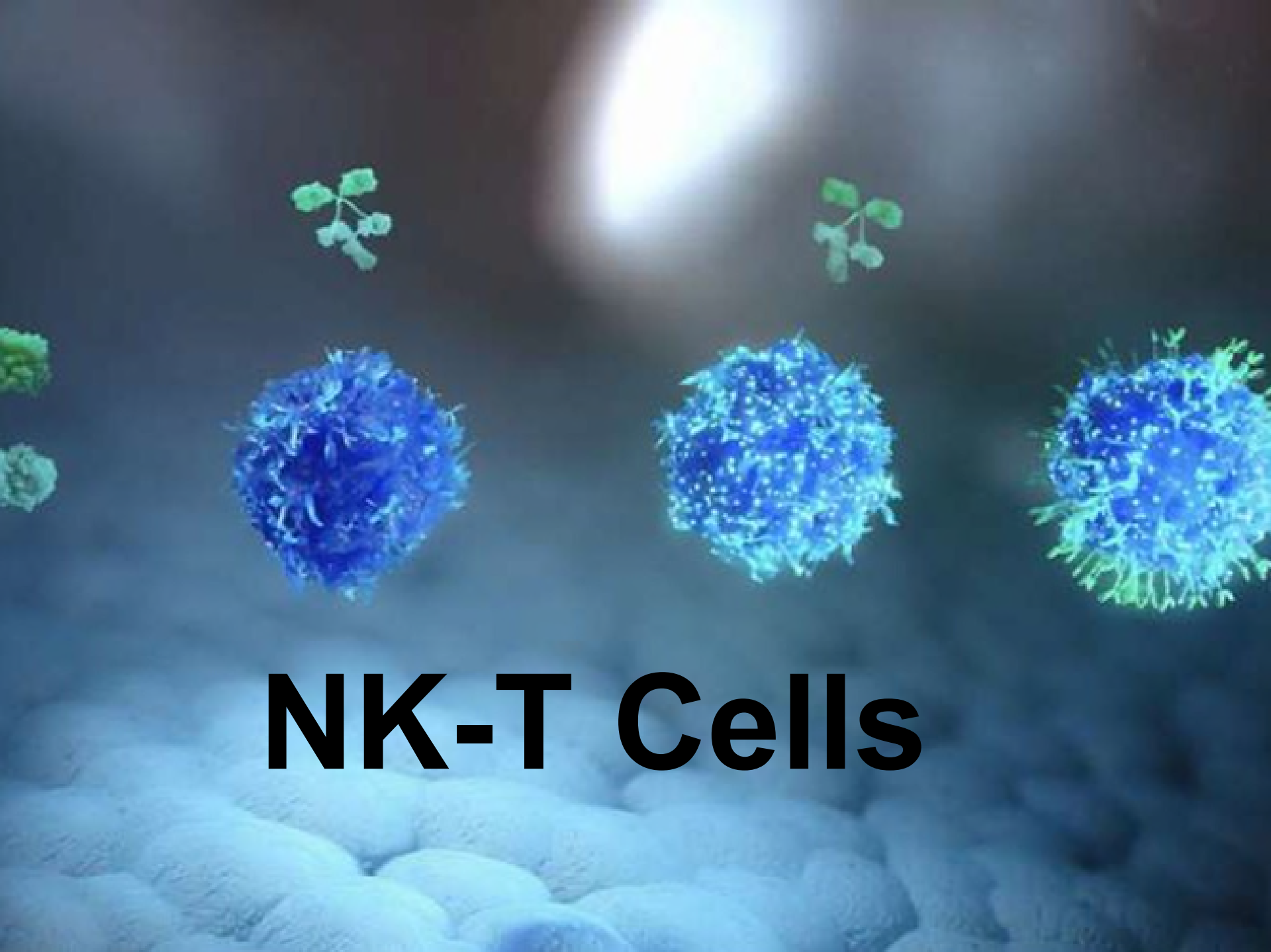
The CAR T-Cell Patient Process



therapy is a form of immunotherapy that uses specially altered T cells — a part of the immune system — to fight cancer. A sample of a patient's T cells are collected from the blood, then modified to produce special structures called chimeric antigen receptors (CARs) on their surface.

In CAR T-cell therapies, T cells are taken from the patient's blood and are changed in the lab by adding a gene for a receptor (called a chimeric antigen receptor or CAR), which helps the T cells attach to a specific cancer cell antigen. The CAR T cells are then given back to the patient.

The CAR T-cell therapy success rate is about **30% to 40%** for lasting remission, with no additional treatment, according to Dr. Roland Neff and Dr. Michael W. Trogisch, directors of THE GLOBAL LAB's cellular therapy program and BioMed Clinic.

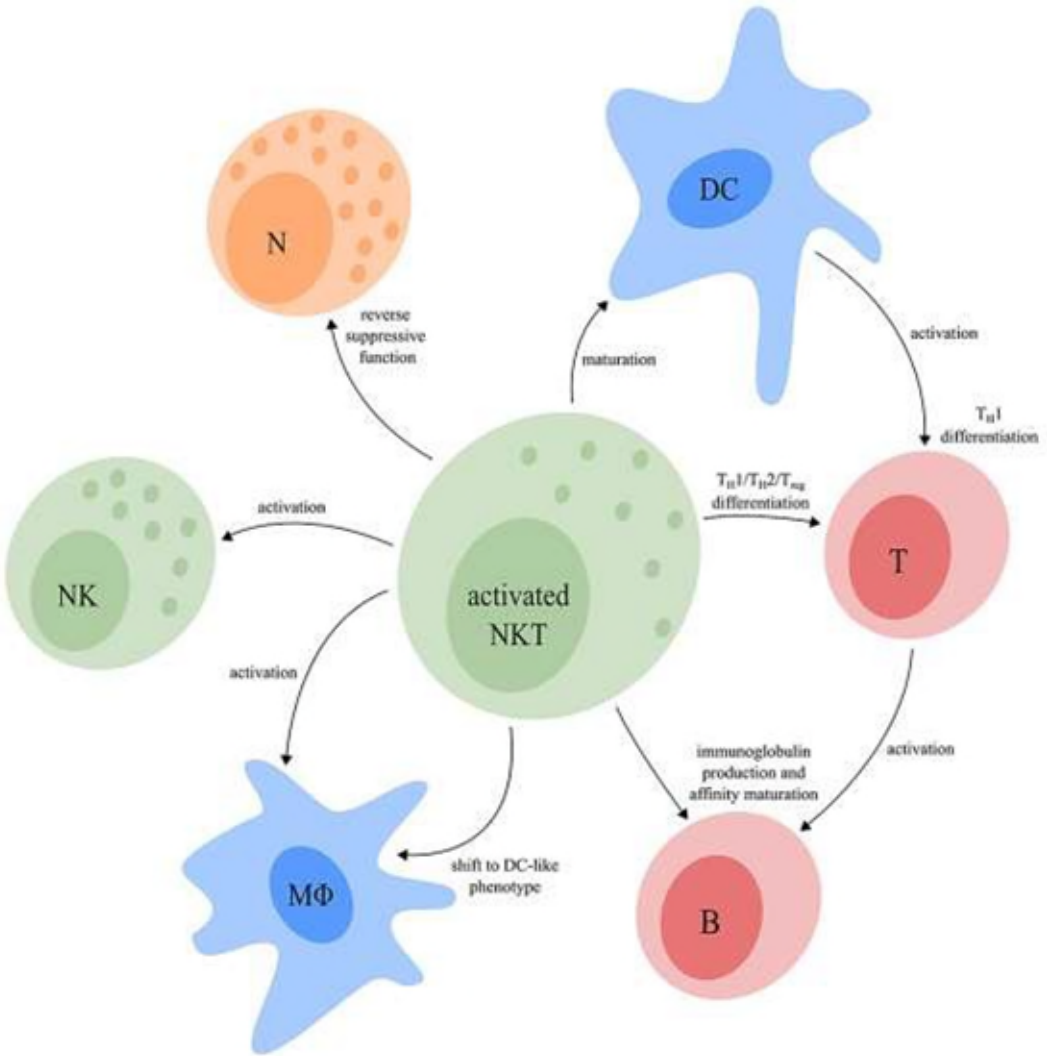

NK-T Cells

Natural Killer T (NKT) Cells

are an extremely rare subset of T cells, typically less than 1% in peripheral blood of humans and non-human primates. NKT cells are **rapid responders of the innate immune system and mediate potent immunoregulatory and effector functions in a variety of disease settings**

NKT cells can influence the activation state and functional properties of multiple other cell types in the immune system and, thus, **modulate immune responses against infectious agents, tumors ,autoantigens, tissue grafts and allergens**.

Killer T cells are called “cytotoxic” or “cytolytic” because they **possess special molecular weapons that enable them to directly attack and destroy other cells displaying targets they recognize**, for example, a virus-infected cell or even a cancerous cell.

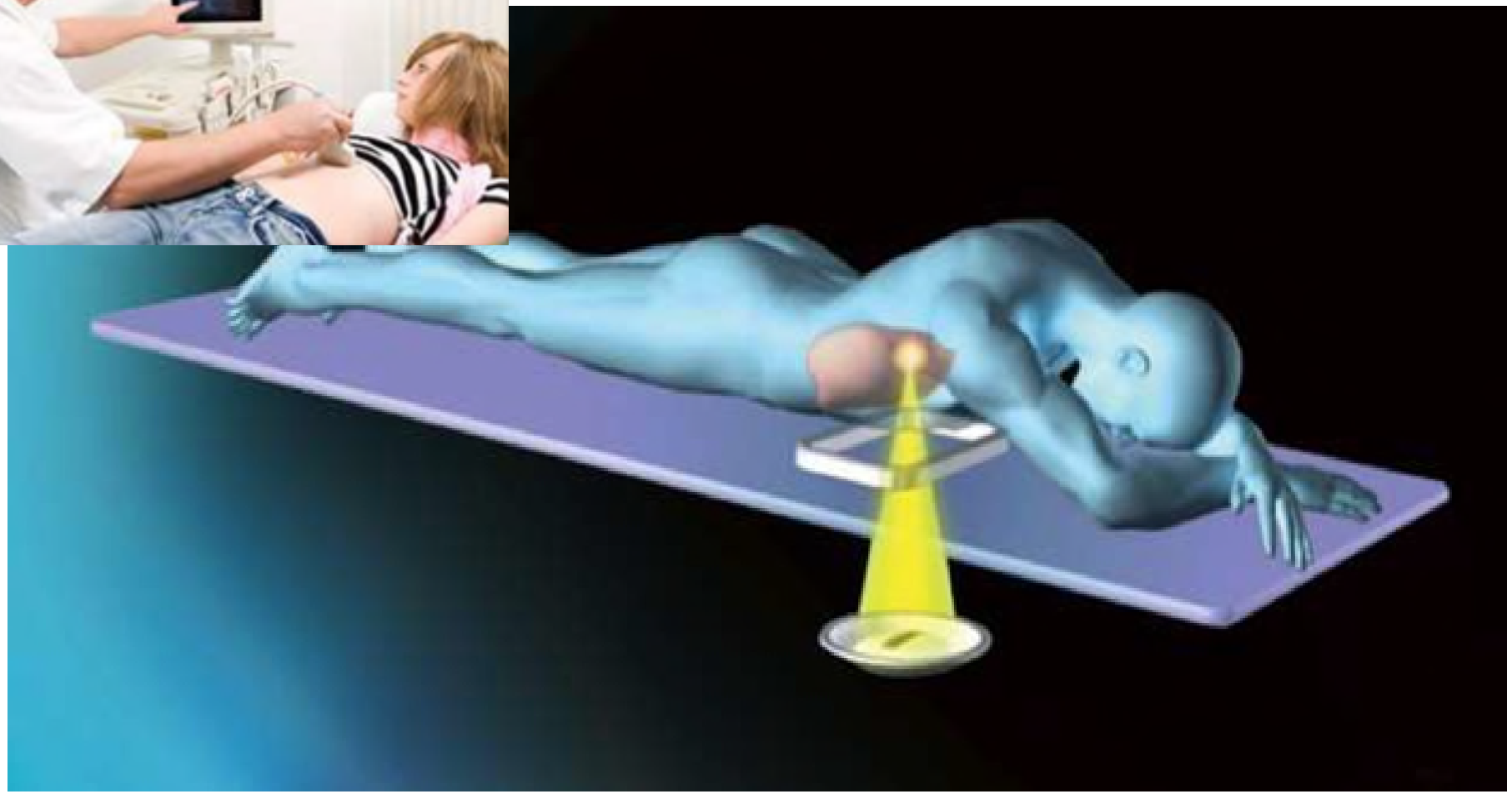


HIFU

High Intensity Focused Ultrasound

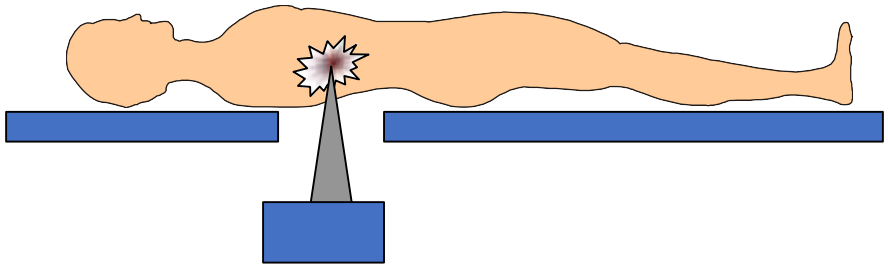
HIFU – High Intensity Focused Ultrasound

…is similar to Ultrasound Checkup (Sonography)



HIFU - High-Intensity Focused Ultrasound

2. Cavitation Effect
3. Mechanical Effect
4. Fields Effect
5. Damage to tumor nourishing blood capillaries



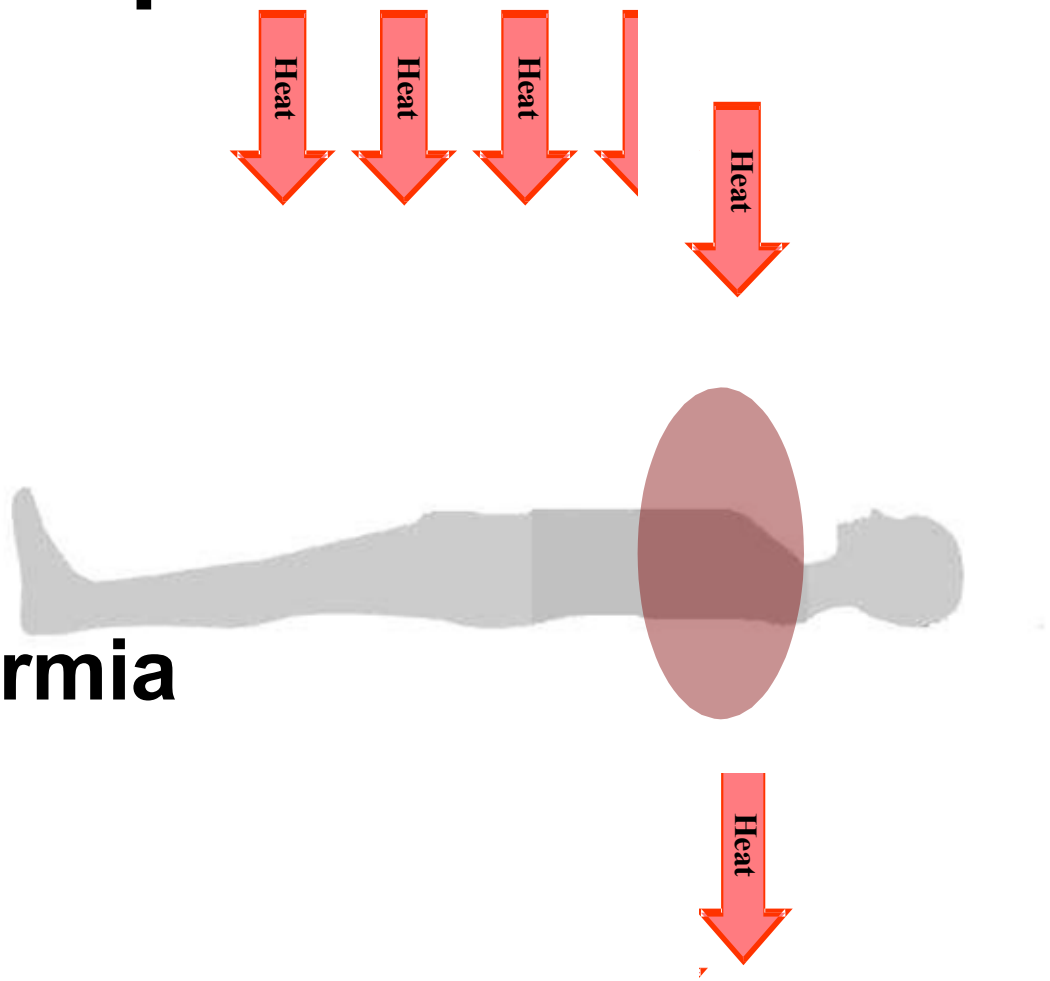
1. Thermal Effect

Increases the temperature of the focal area to **80°C - 100°C** instantaneously,
causing tumor cell ablation

For example:
HIFU treatment at the leg (Sarcoma) of a 12-years old girl.

Local (electro) Hyperthermia

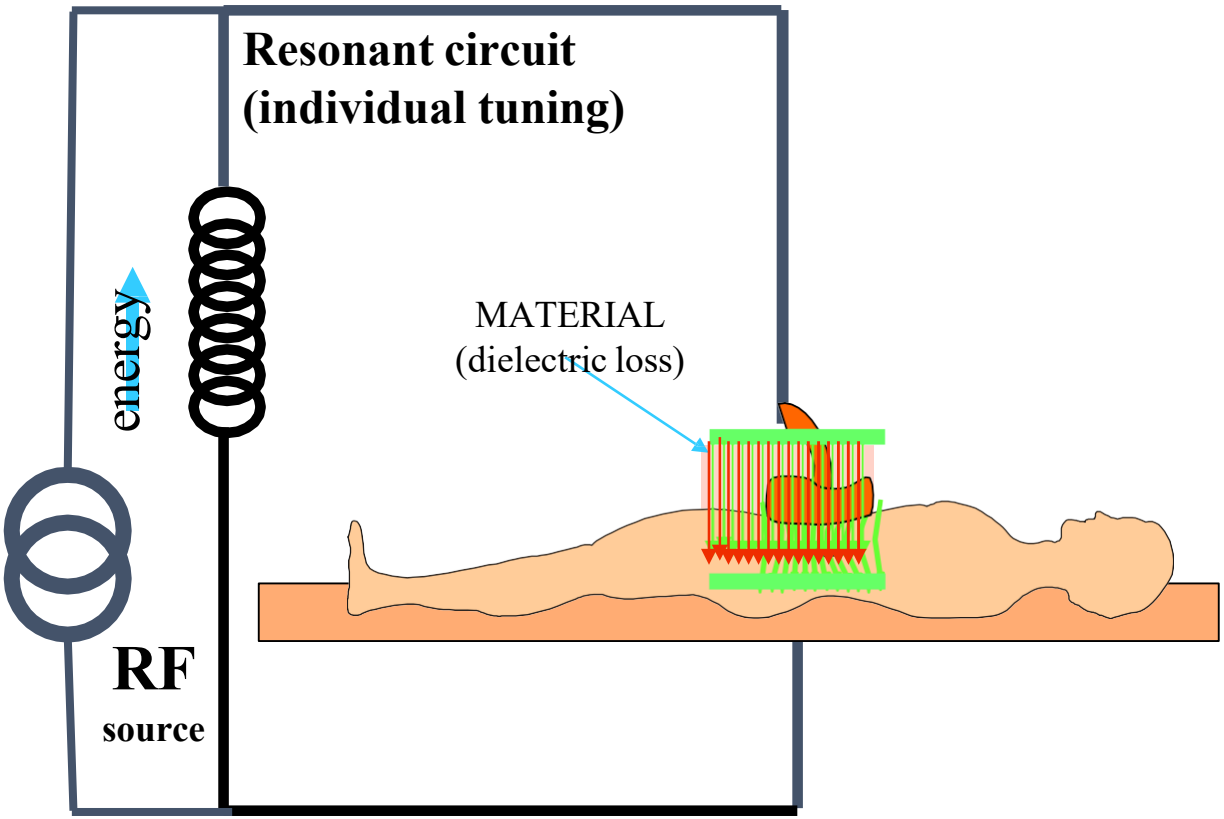
to heat up…

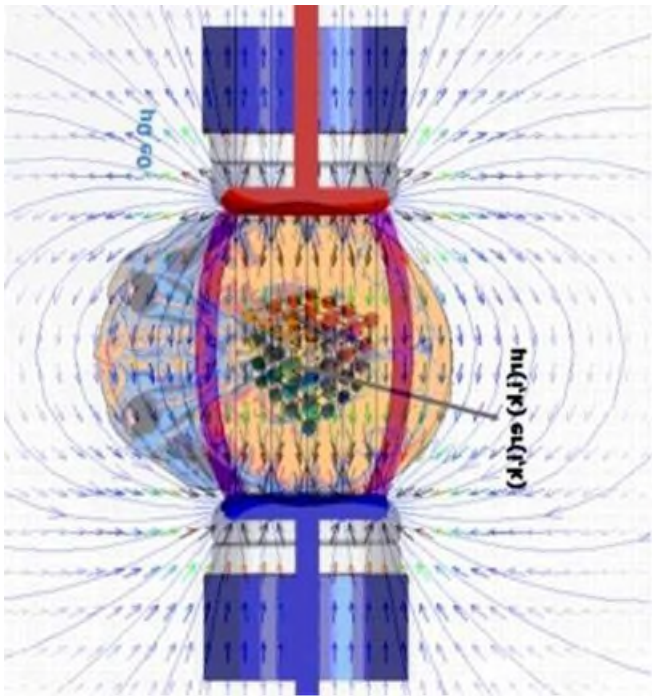


Local Hyperthermia

…local area of the body up to 50°C

Capacitive coupling

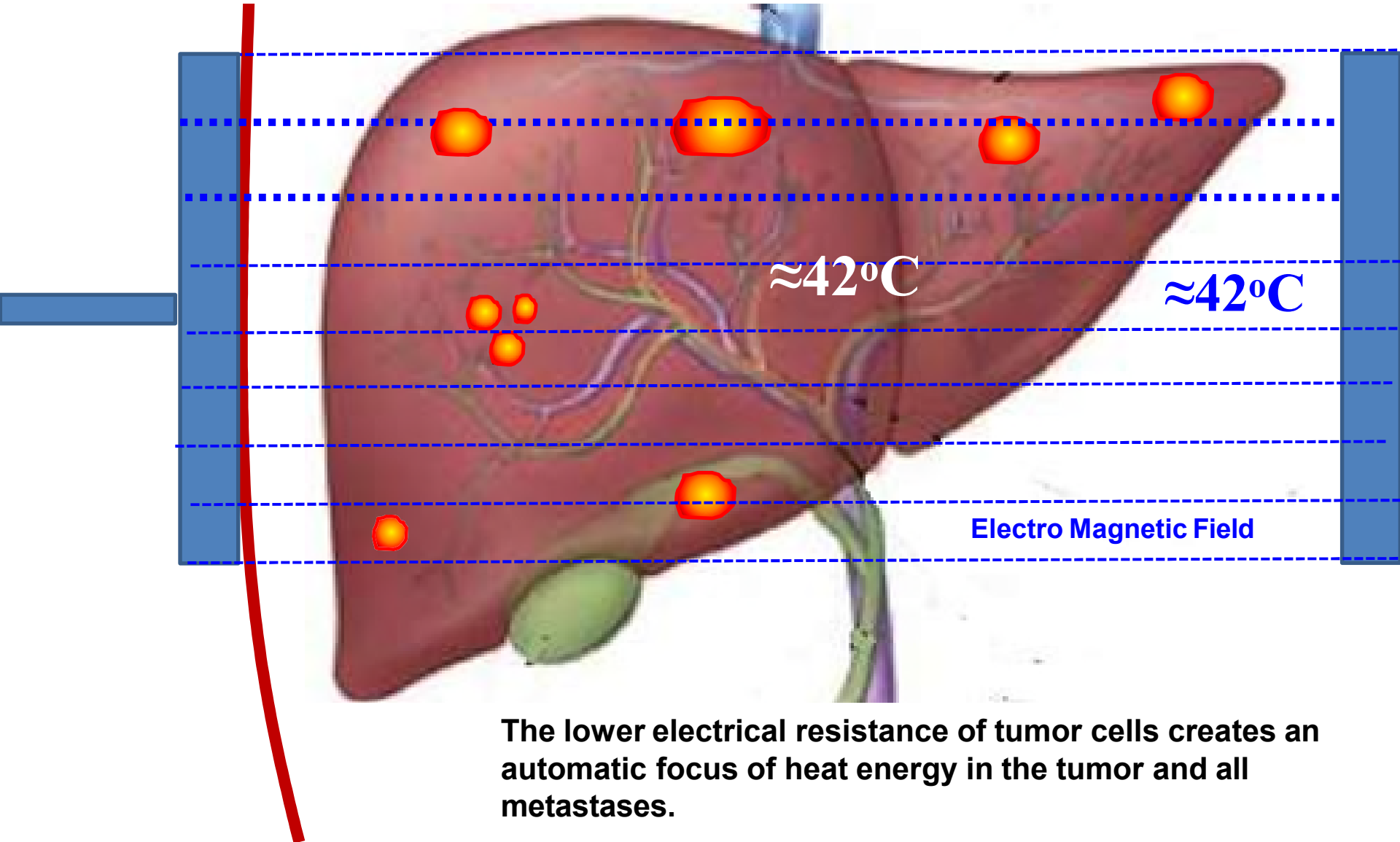




The working principal

Liver Carcinoma and Liver Metastases

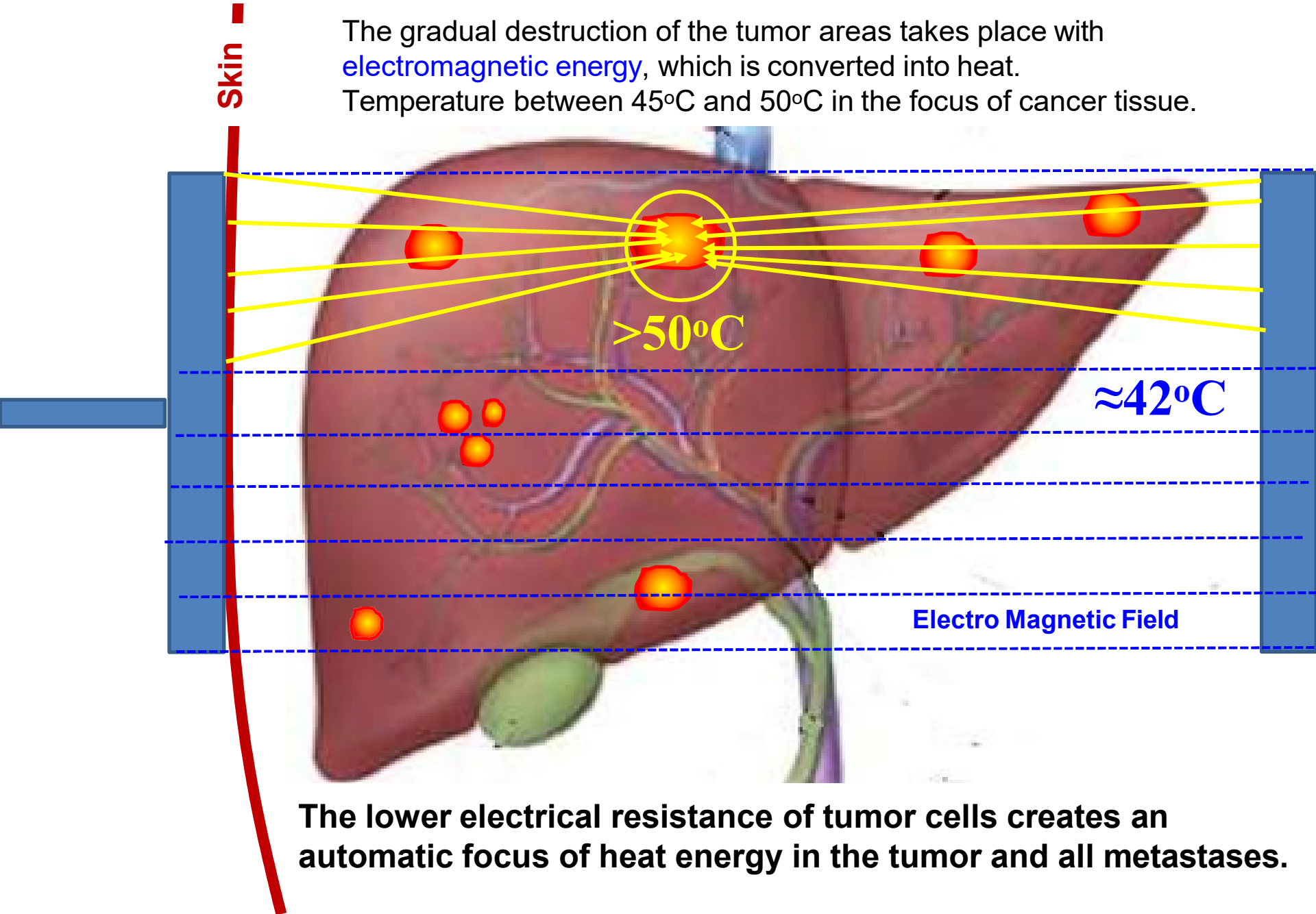
The gradual destruction of the tumor areas takes place with electromagnetic energy, which is converted into heat.
Temperature between 42°C and 43°C inside of the liver.



The lower electrical resistance of tumor cells creates an automatic focus of heat energy in the tumor and all metastases.

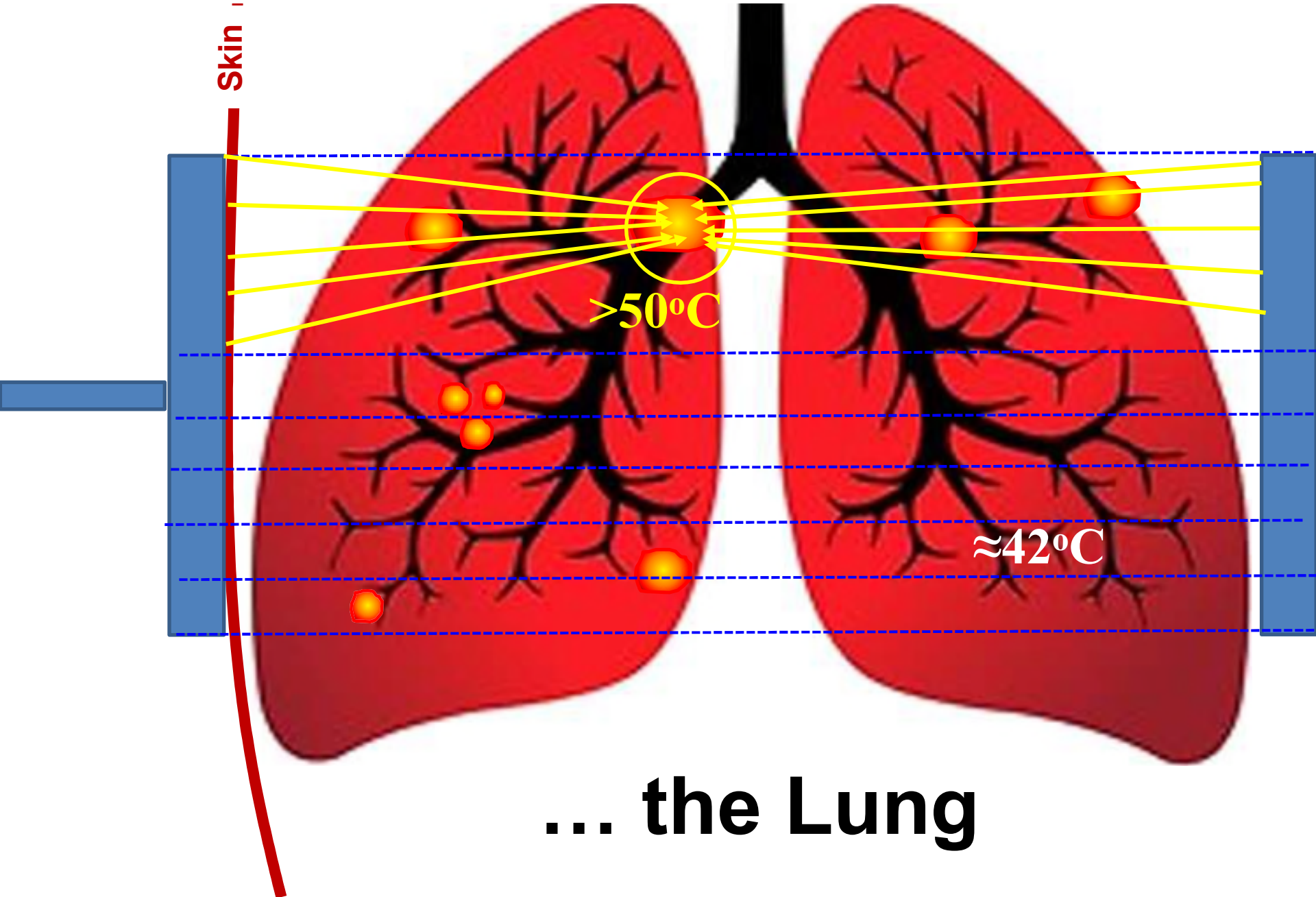
Liver Carcinoma and Liver Metastases

The gradual destruction of the tumor areas takes place with electromagnetic energy, which is converted into heat.
Temperature between 45°C and 50°C in the focus of cancer tissue.



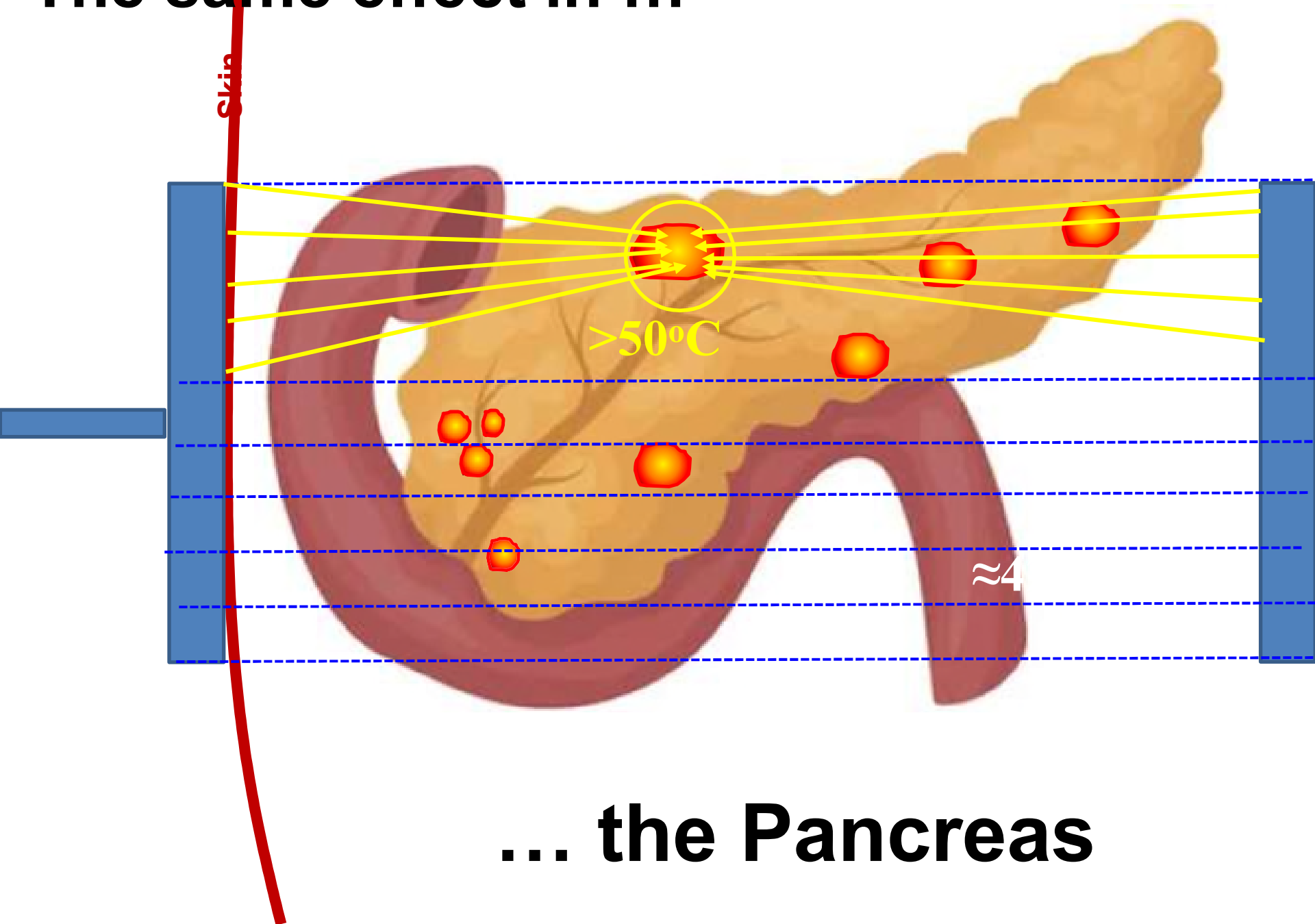
The lower electrical resistance of tumor cells creates an automatic focus of heat energy in the tumor and all metastases.

The same effect in …



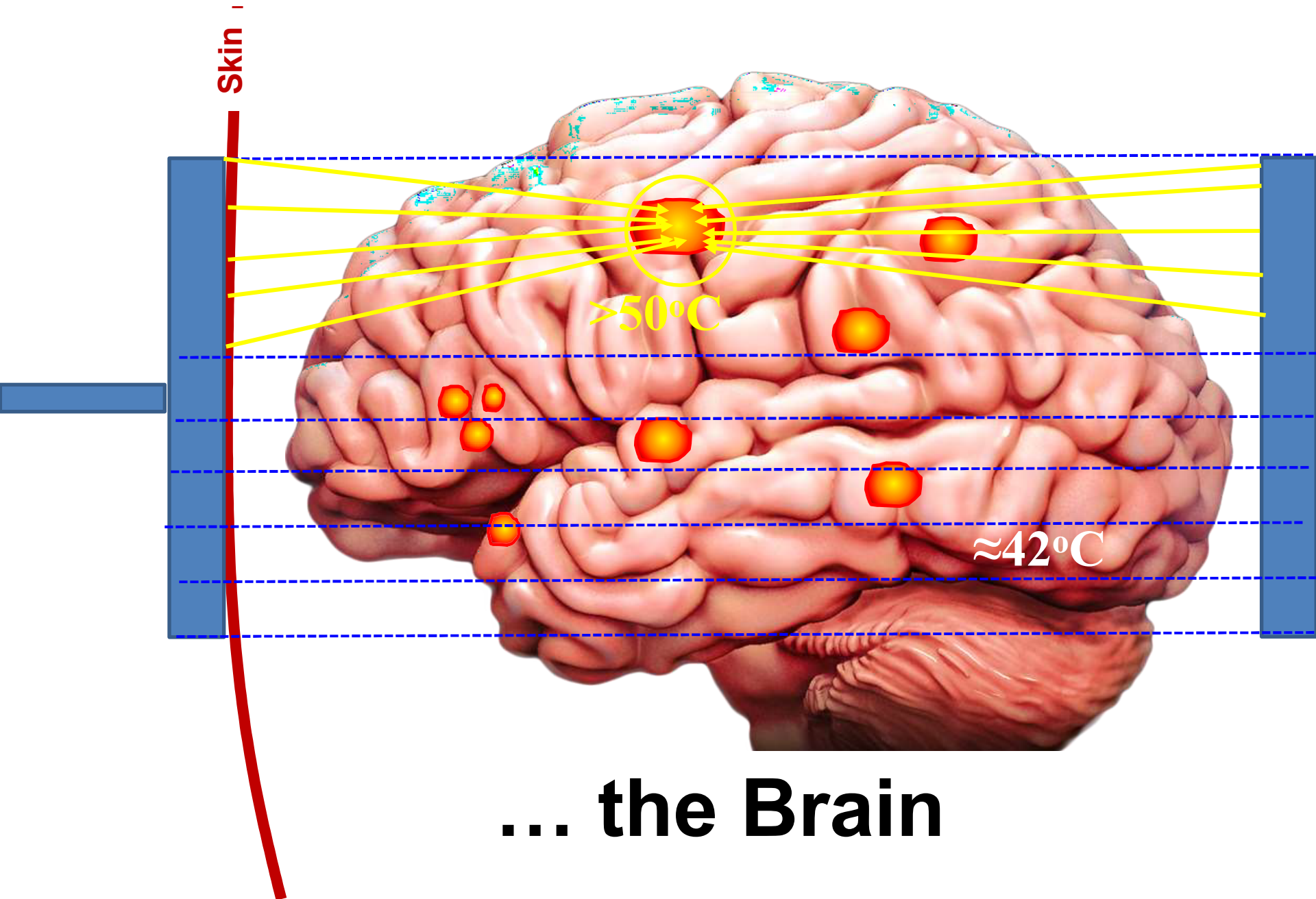
… the Lung

The same effect in …



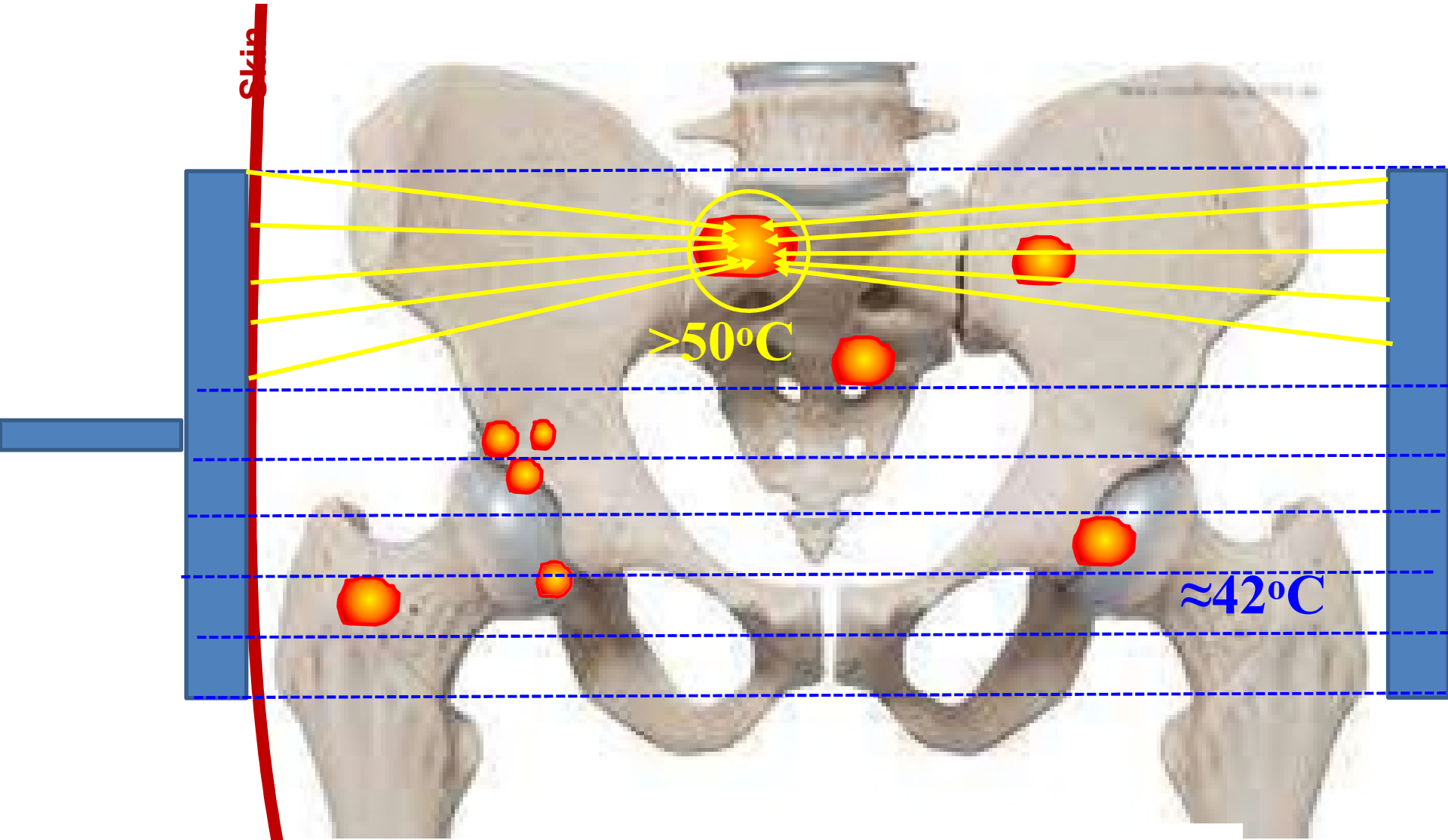
… the Pancreas

The same effect in …

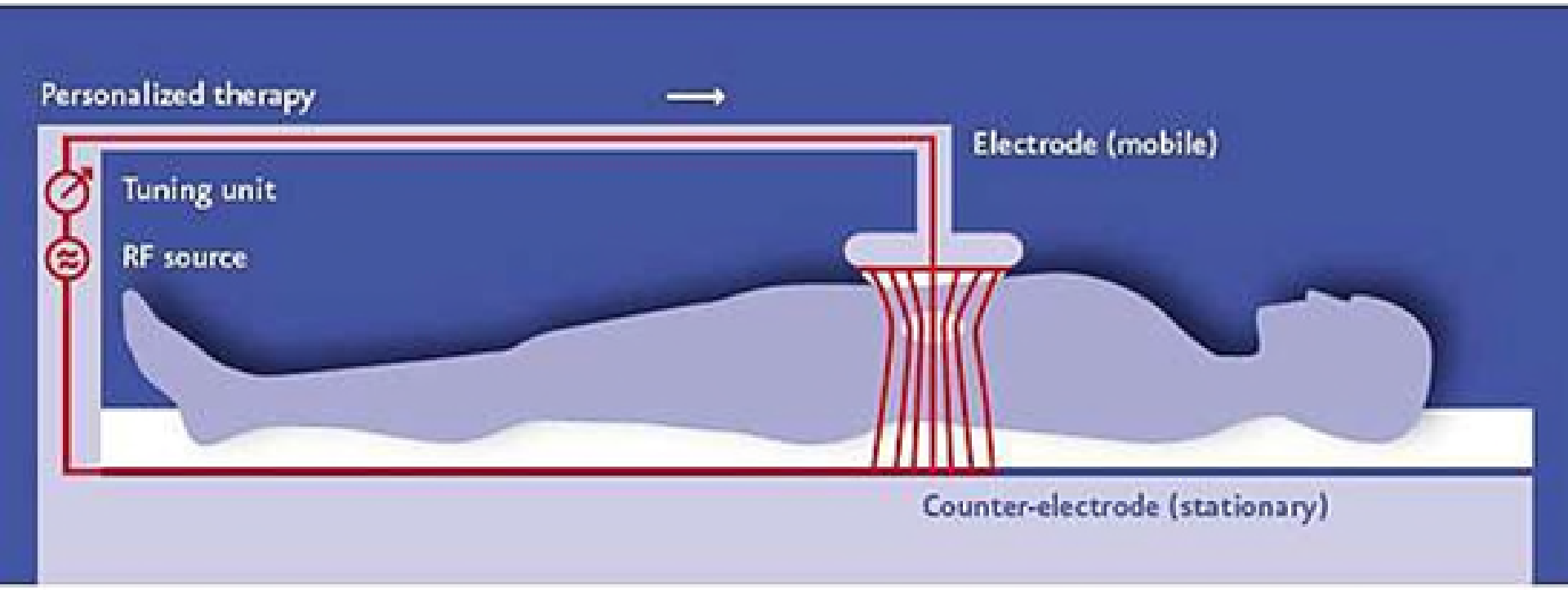


… the Brain

The same effect in …



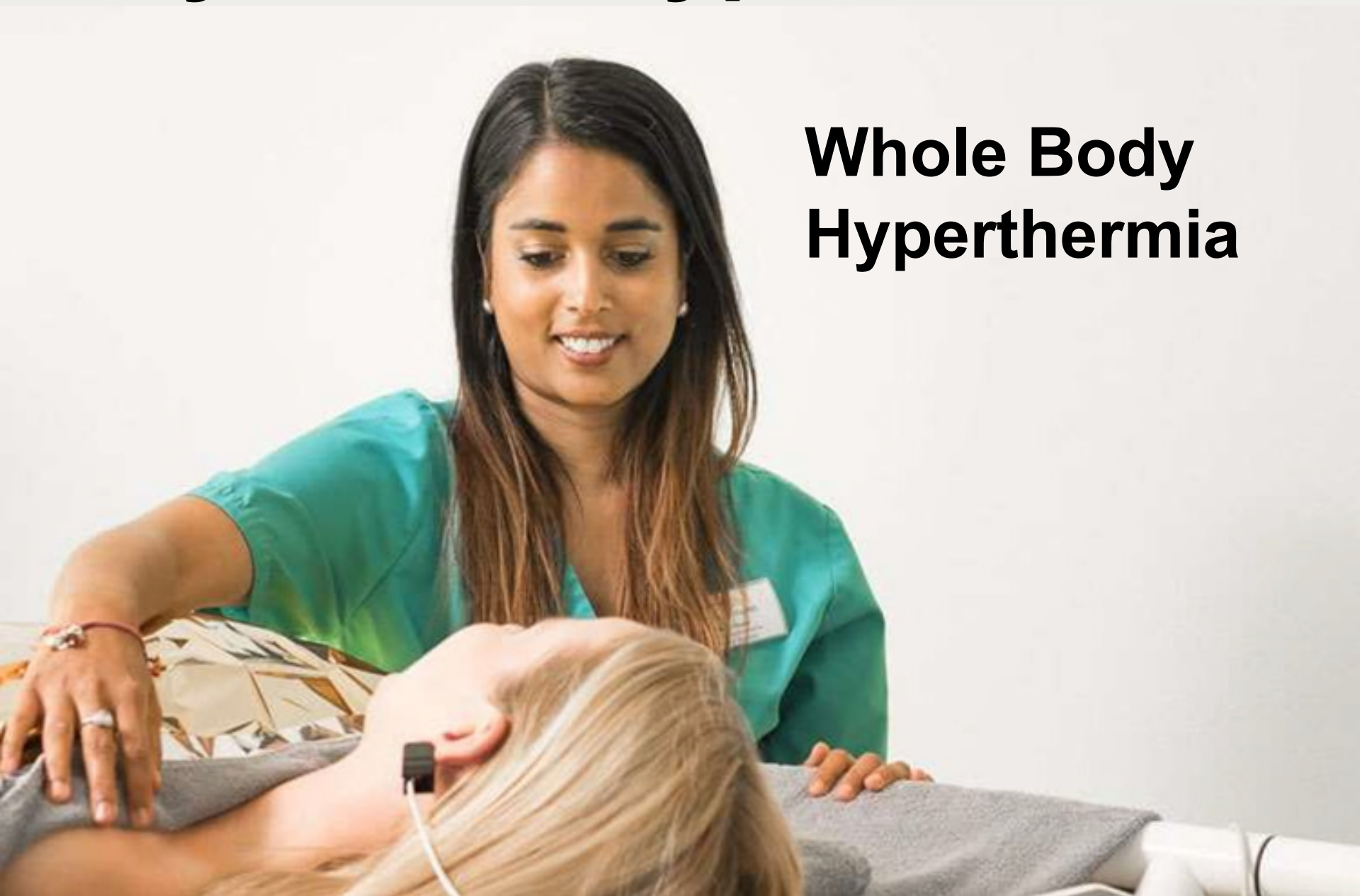
… the bones


Personalized therapy
Electrode (mobile)
Tuning unit
RF source
Counter-electrode (stationary)

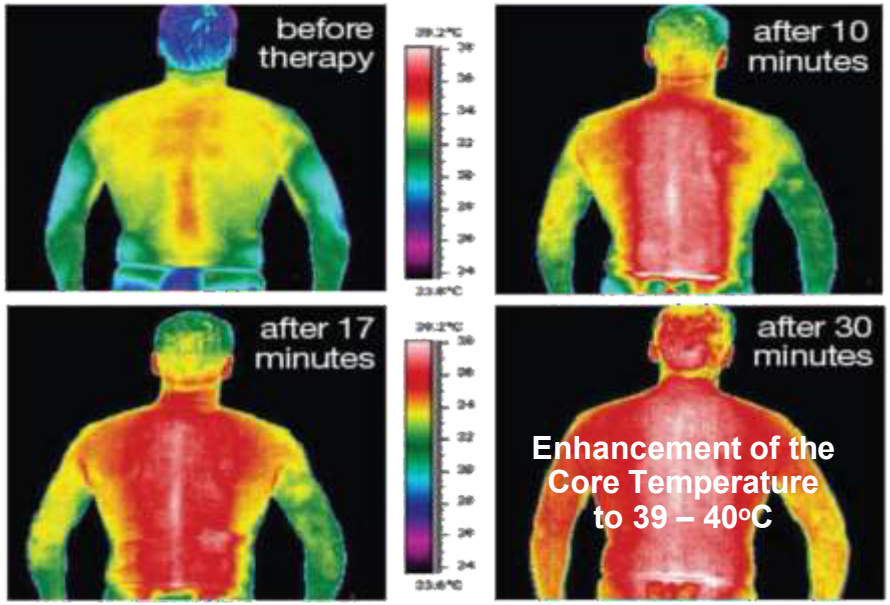
Local Electro Hyperthermia

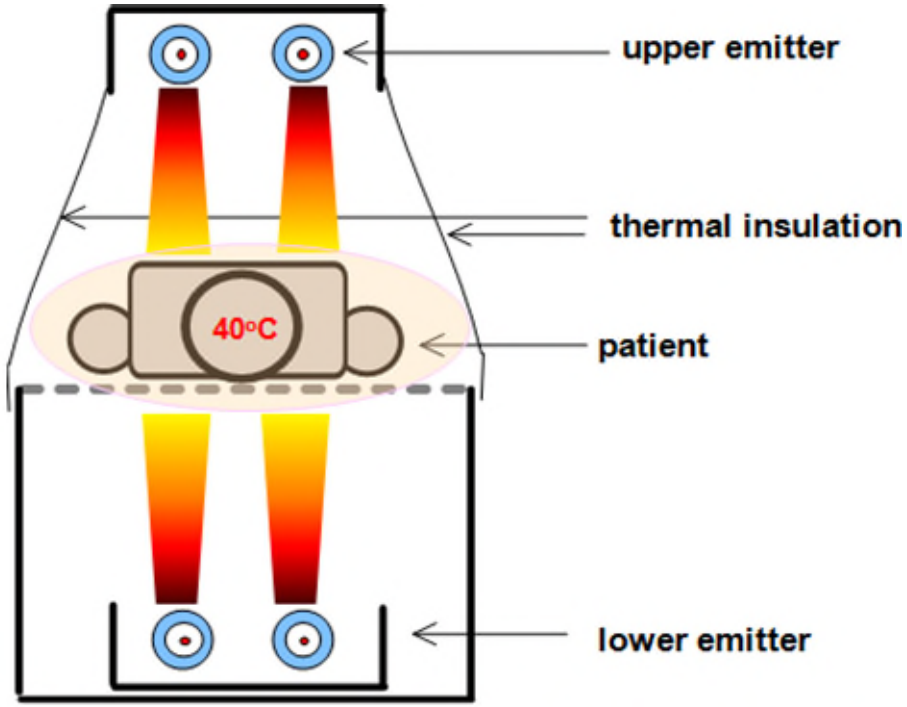
CoreCell Korea

Systemic Hyperthermia



Systemic Hyperthermia

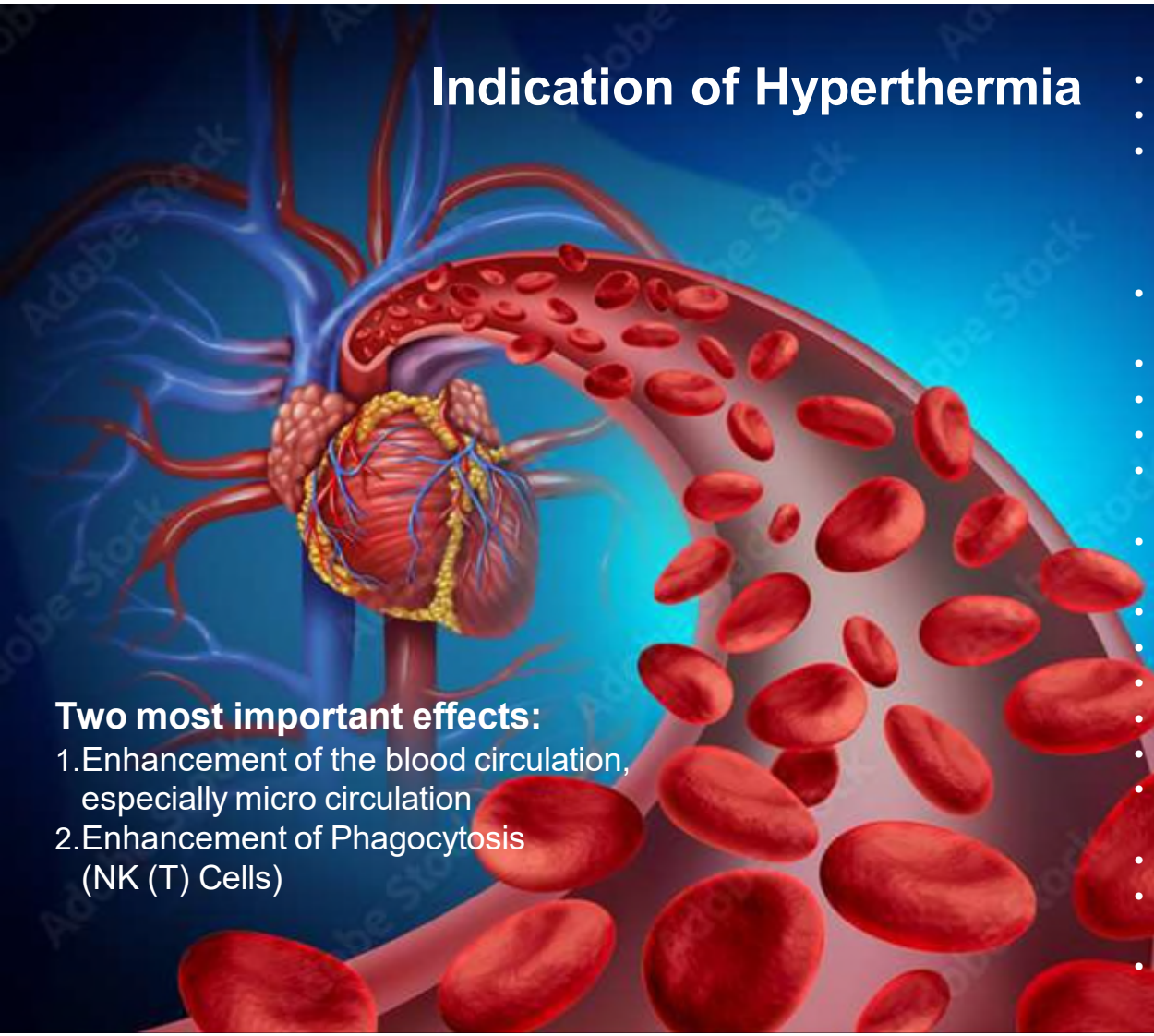




water filtered infrared-A radiation

Working Principle

Indication of Hyperthermia

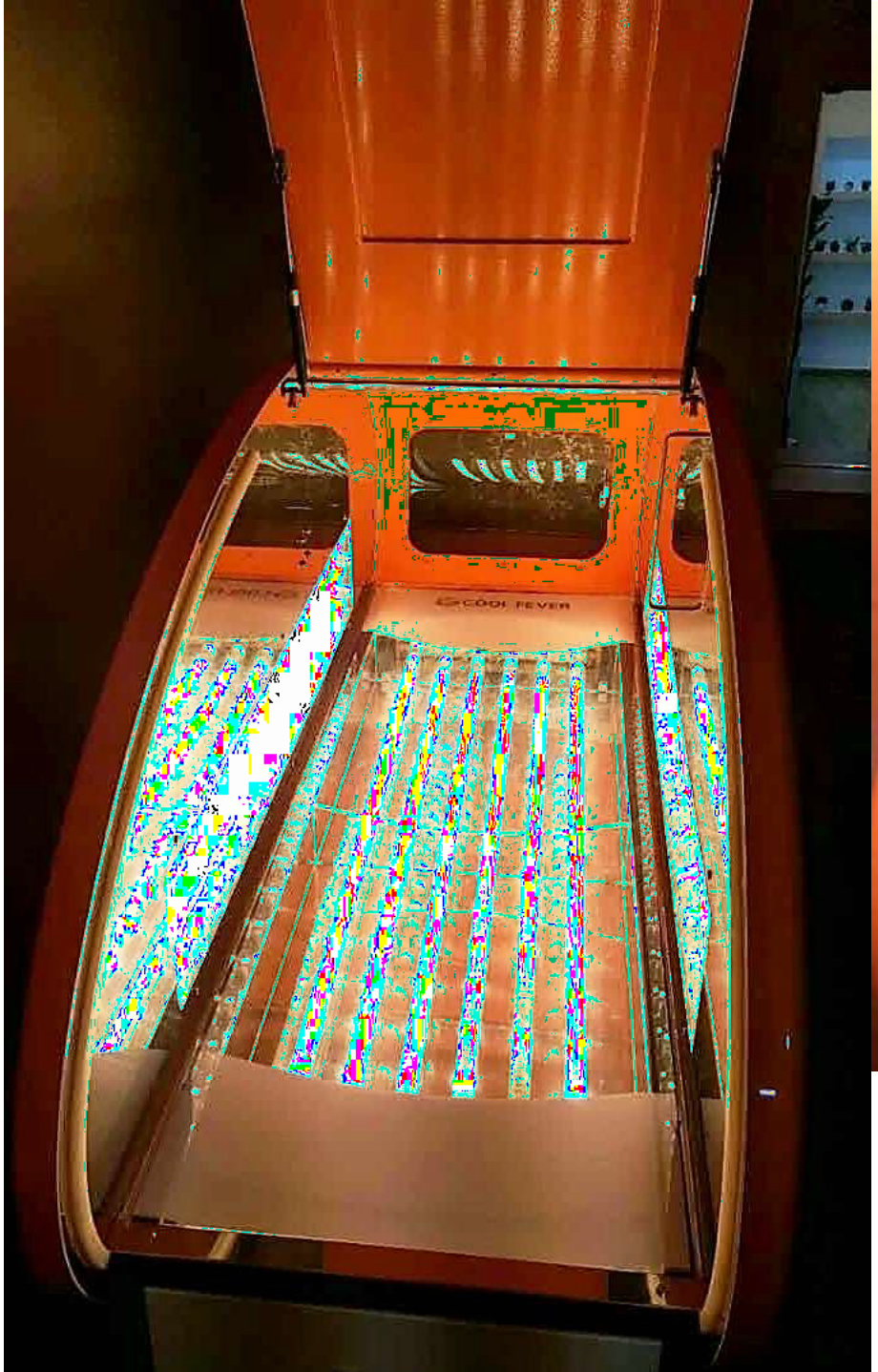


Two most important effects:

1. Enhancement of the blood circulation, especially micro circulation
2. Enhancement of Phagocytosis (NK (T) Cells)

- Any kinds of blood circulation disorders
- arterial hypertension
- overstraining of musculature, especially deep-lying muscles of lumbar region (adjuvant to massage treatment)
- chronic back pain (after detailed establishing a diagnose)
- fibromyalgia syndrome
- therapy-resistant neuralgias
- Migraine
- sub-acute and masked chronic inflammations
- rheumatic illnesses (degenerative and sub-acute inflammatory)
- Morbus Bechterev
- systemic sclerosis
- allergic nasitis
- bronchial asthma
- Neurodermitis
- pain and immune therapy in oncology
- saisonal affective disorder / SAD
- regeneration or rehabilitation in sports medicine
- Cancer (hyperthermia as supportive therapy)


Hyperthermia
older than
80 years



Latest generation of Systemic Hyperthermia from Korea

Effects of the Moderate Hyperthermia

- **acceleration of metabolism**
- **increase of perfusion in organs and tissues**
  ↑ supplying of cells with O_2 und nutrients
  ↑ elimination of end-products of metabolism (detoxification)
- **stimulation of hormonic system**
- **stimulation of immunological system, enhancement NK cells**
- **chronical Inflammations**
- **reduction of muscle tone**
- **acceleration of velocity of nerve conduction**

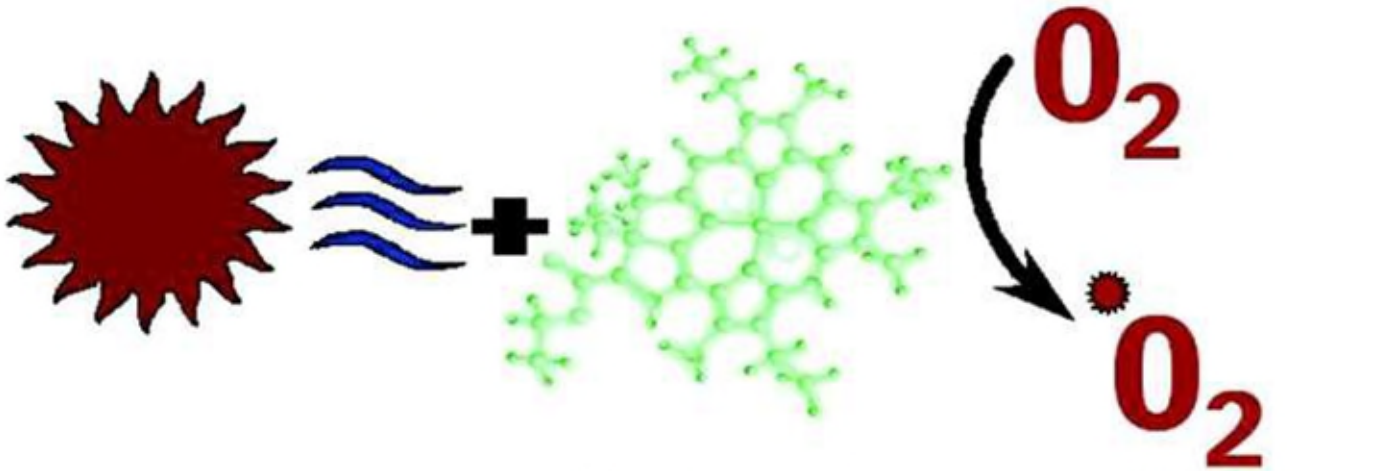
PDT

Photo Dynamic Therapy

Destruction

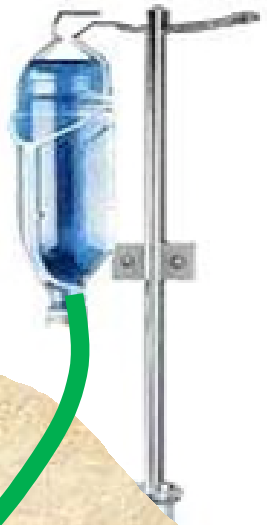
of cancerous and other “wrong” cells by photo-sensitive substances plus Laser/Light Blood Irradiation and Ultrasound Irradiation

Mechanism of Photodynamic Therapy

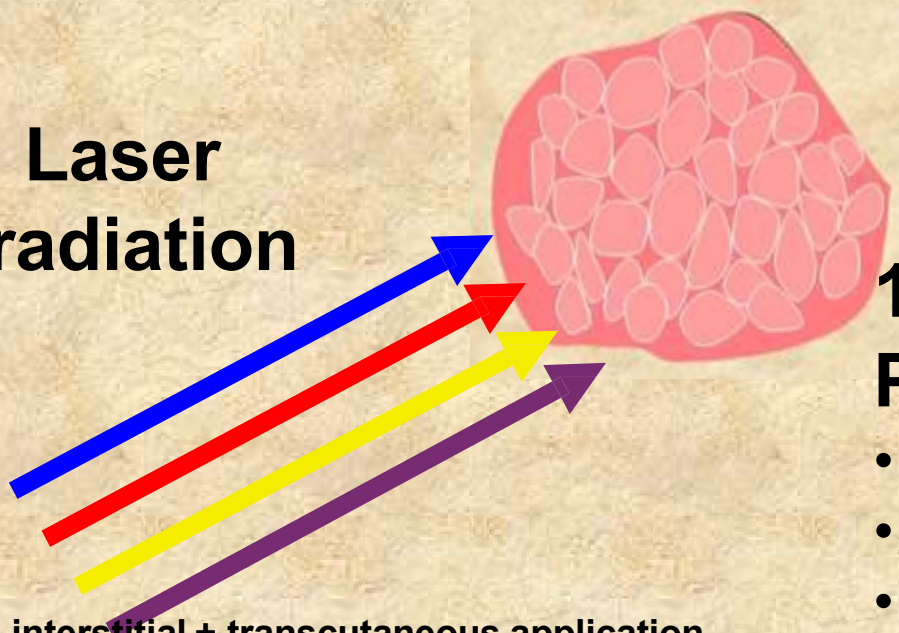


- Reactive oxygen species / free radicals
- PDT initiates cellular apoptosis

Photo Dynamic Therapy (PDT) Protocol Schemata



2) Laser Irradiation



Intravenous + interstitial + transcutaneous application or systemic LED

- Curcumin BLUE Laser 405nm
- Chlorin E6 RED Laser 635nm
- Hypericin YELLOW Laser 589nm
- Indocyanine Green INFRARED Laser 810nm

1) Infusion of the Photo Sensitizers:

- Curcumin, 2h (reaction time)
- ChlorinE6. 4h (reaction time)
- Hypericin, 2h (reaction time)
- Indo Cyanine Green, 24h (reaction time)

PDT - new options of Interstitial and Intravenous Laser Therapy in Oncology

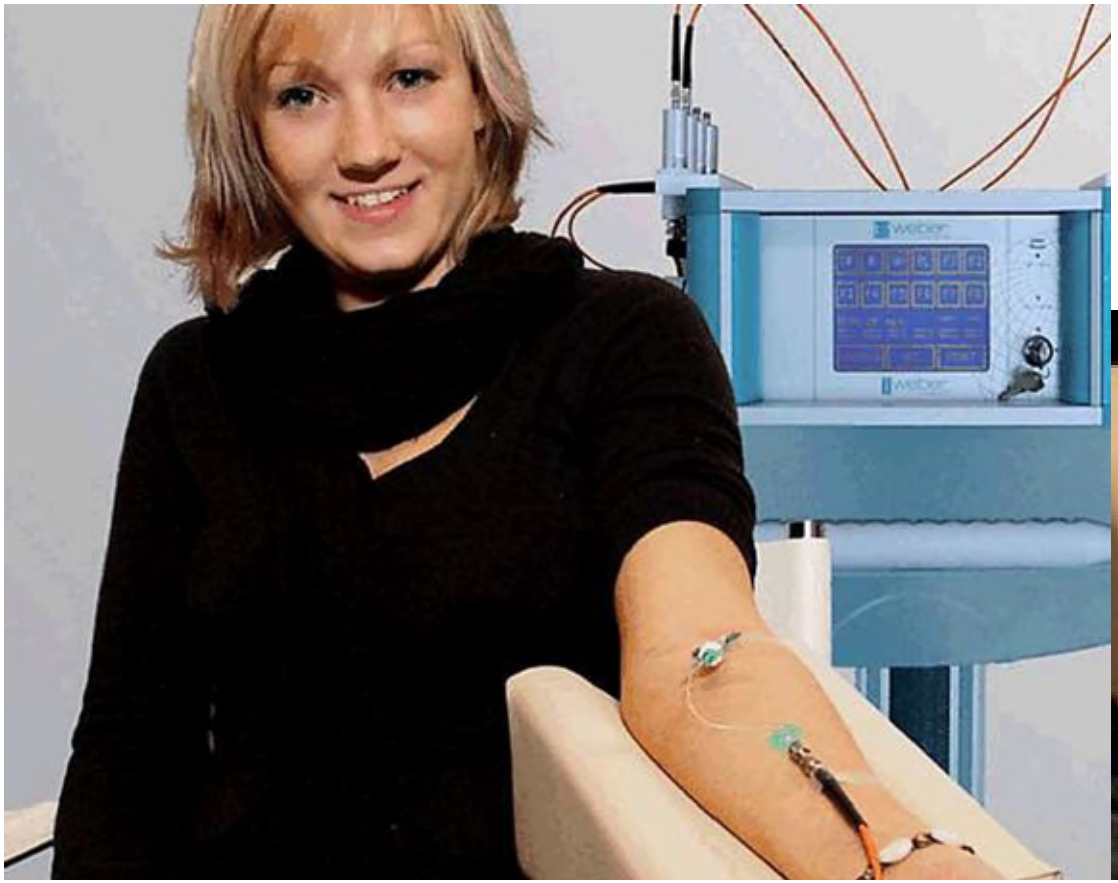
The presented method reports in this publication showed a highly synergistic effect of intravenous laser therapy and interstitial laser therapy in combination with some new photosensitizer such as Curcumin, Chlorine E6 and Apigenin.

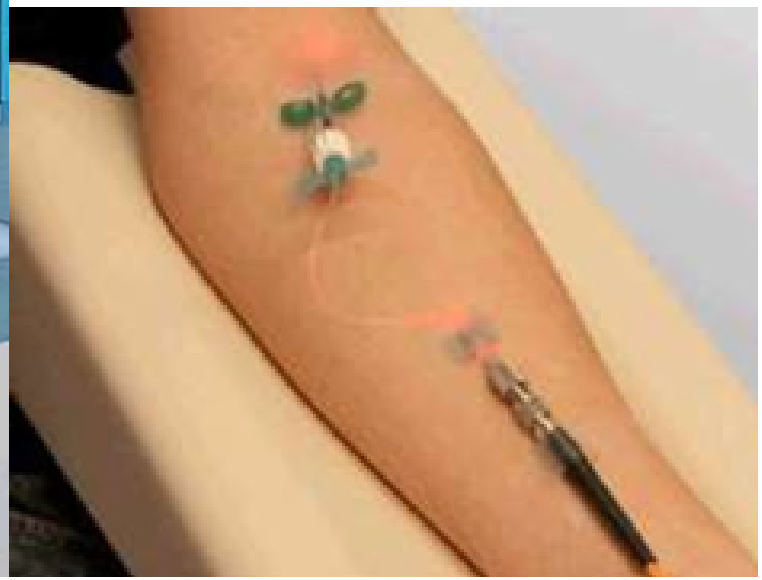
For PDT Chlorine E6 was applied intravenously first followed by intravenous and interstitial laser therapy with red laser 658 nm according to the absorption maximum of the photosensitizer.

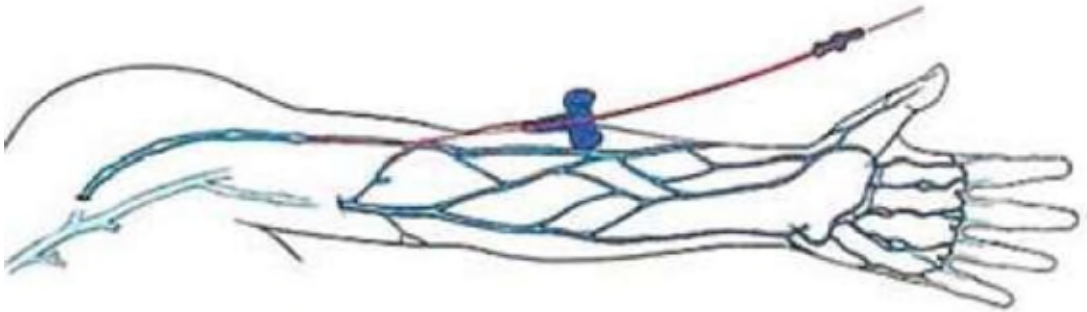
Fiber-optic needles were used for direct tumor puncturing and interstitial tumor irradiation. On one hand the intravenous laser can kill circulating cancer cells and cancer stem cells and cure concomitant infections and on the other hand the interstitial laser technique enables the therapist to target the tumor directly even in deeper areas of the body where external irradiation is not effect-tive. The key solution is to bring enough photon energy directly in or close to the tumor area for killing cancer cells by oxygen radicals. After treatment of several hundred patients in the last 2 years with different tumors this method has been shown to have an overall efficacy of about 70 % and is safe without any severe side effects.

Treatment devices for Photo Dynamic Therapy

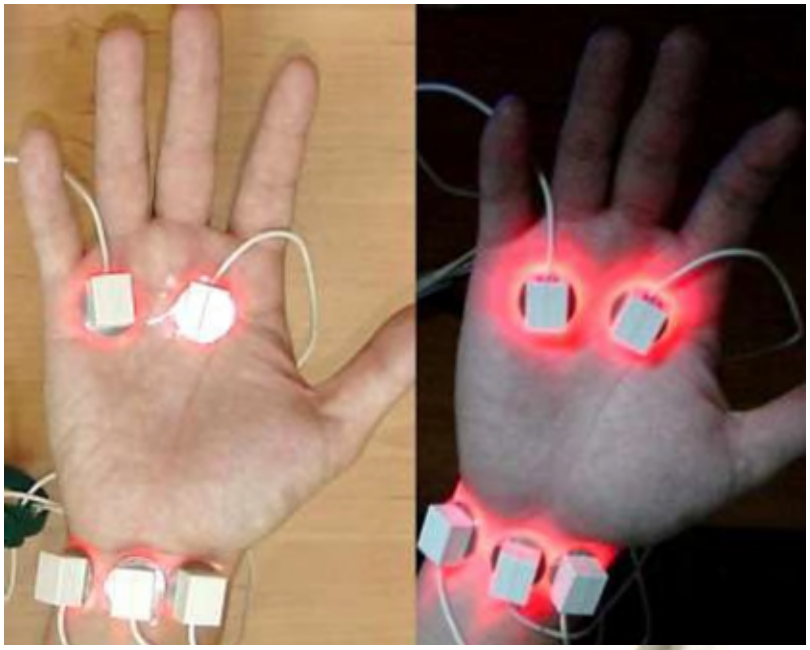
iv Laser Irradiation

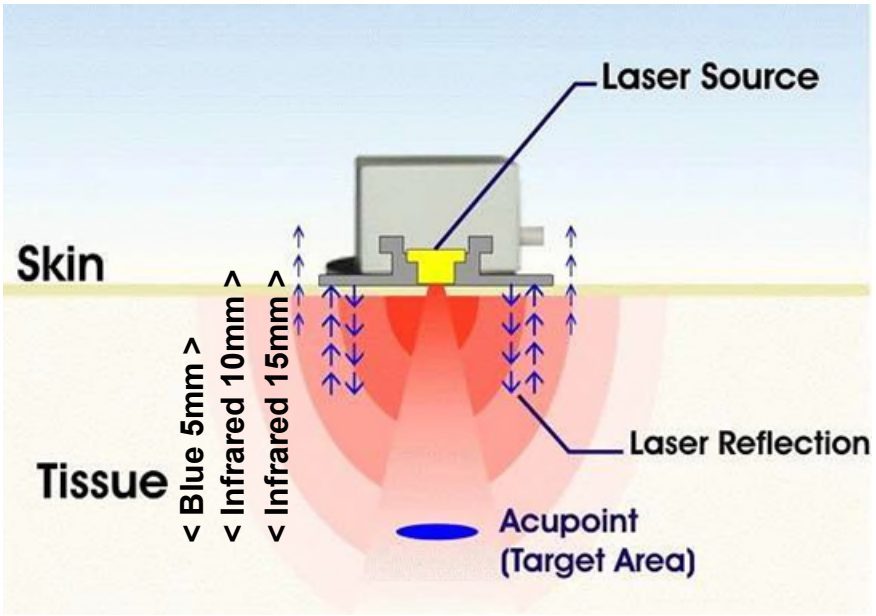






Transcutaneous Blood Laser





Whole Body LED Irradiation

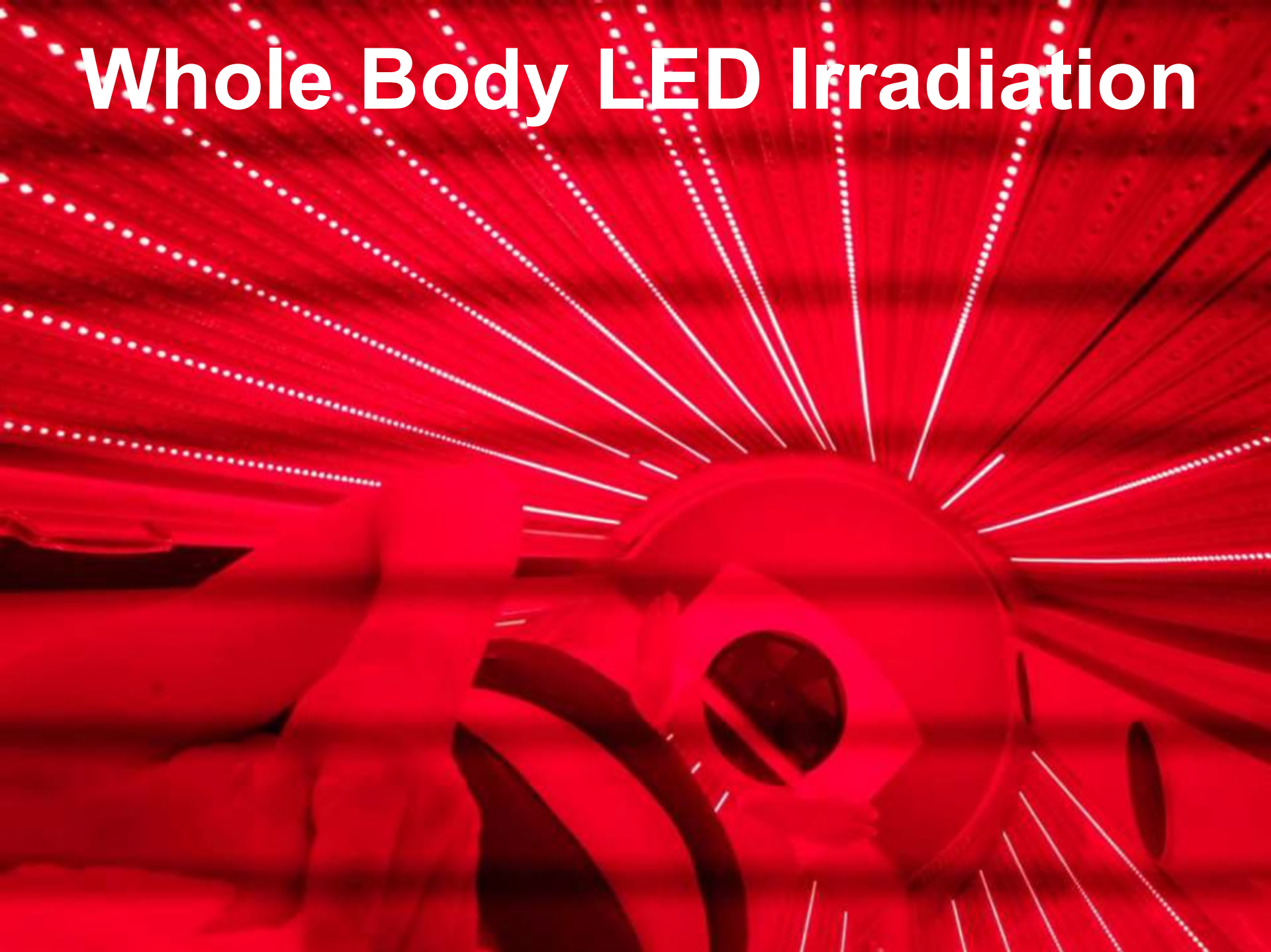
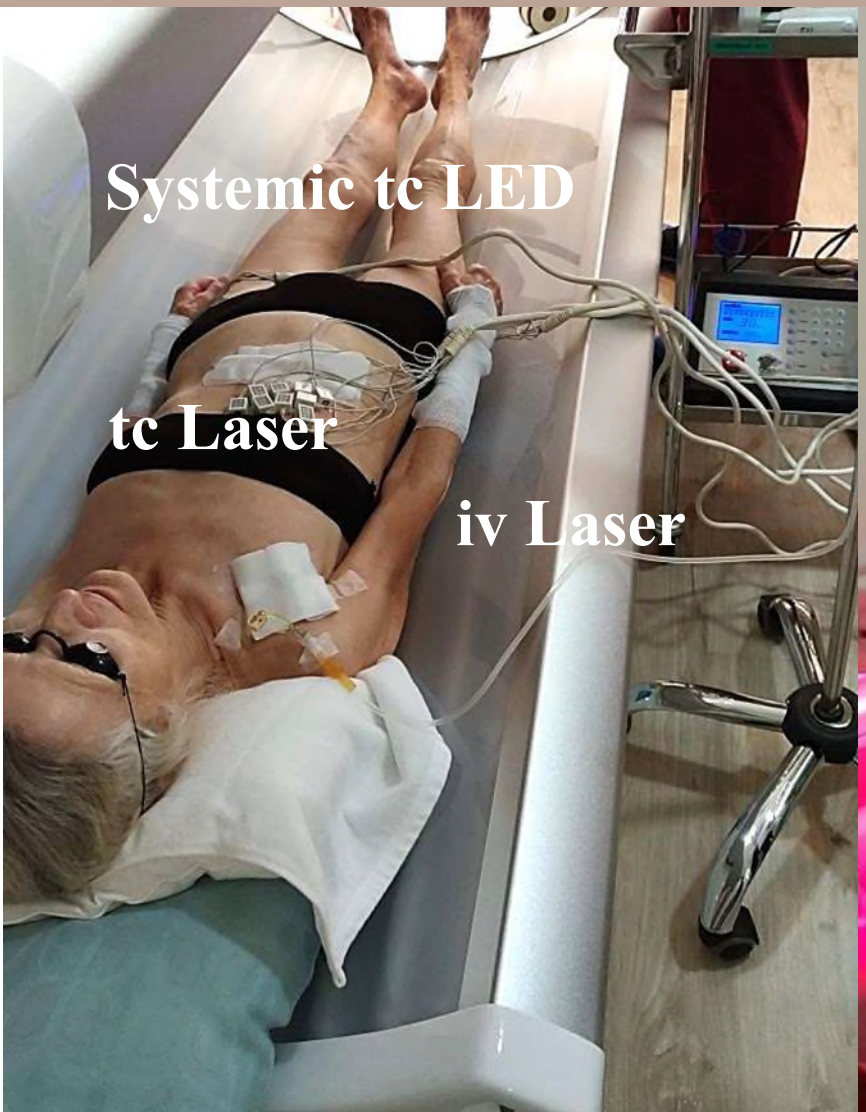


Photo Dynamic Management

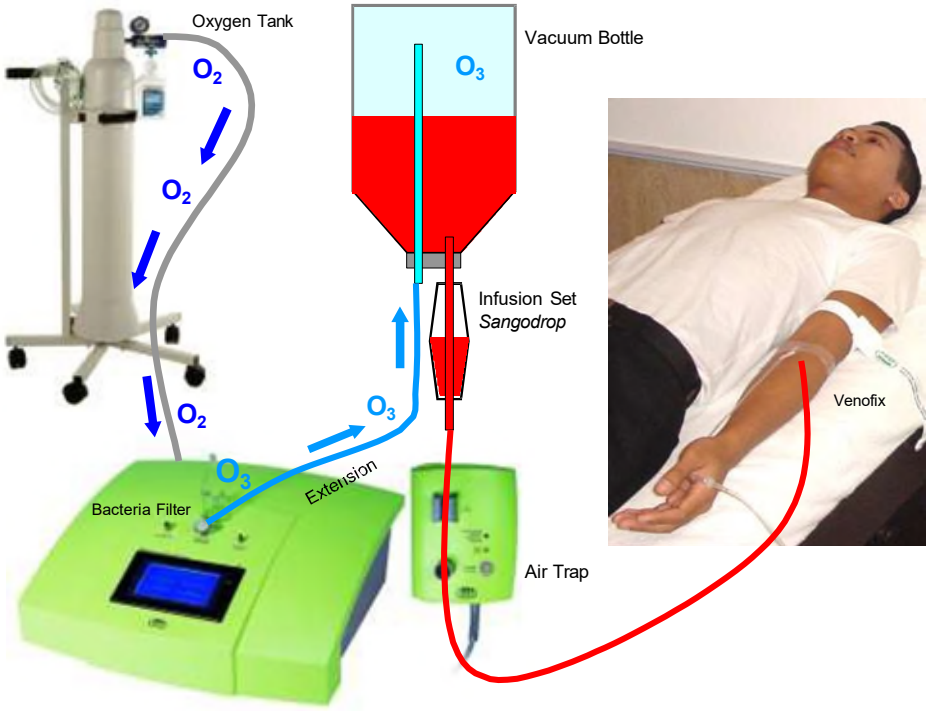
systemic and local transcutaneous Laser & systemic LED Irradiation & iv Laser irradiation



Physical

Immune Therapies

1. Ozone Therapy



3. Oxygen Multistep Therapy

2. Hyperbaric Oxygen Therapy

Oxygenation Therapy

OXYVEN from Germany the world's only approved device for intravenous oxygen infusion according to REGELSBERGER

Therapeutic Apheresis

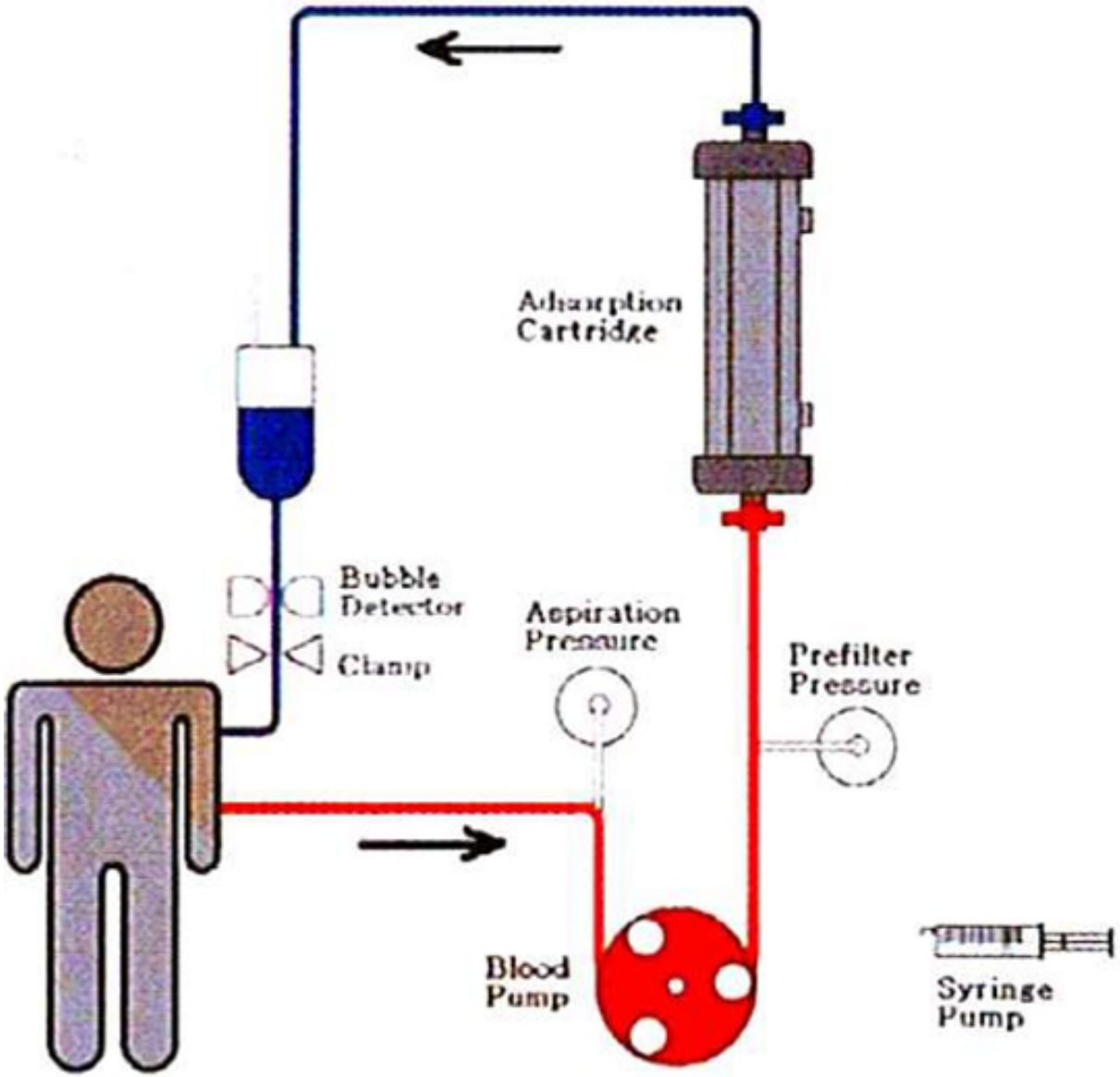
optional

Therapeutic Apheresis

as the most effective method for blood cleansing (Detoxification)

Therapeutic Apheresis

Working Principle



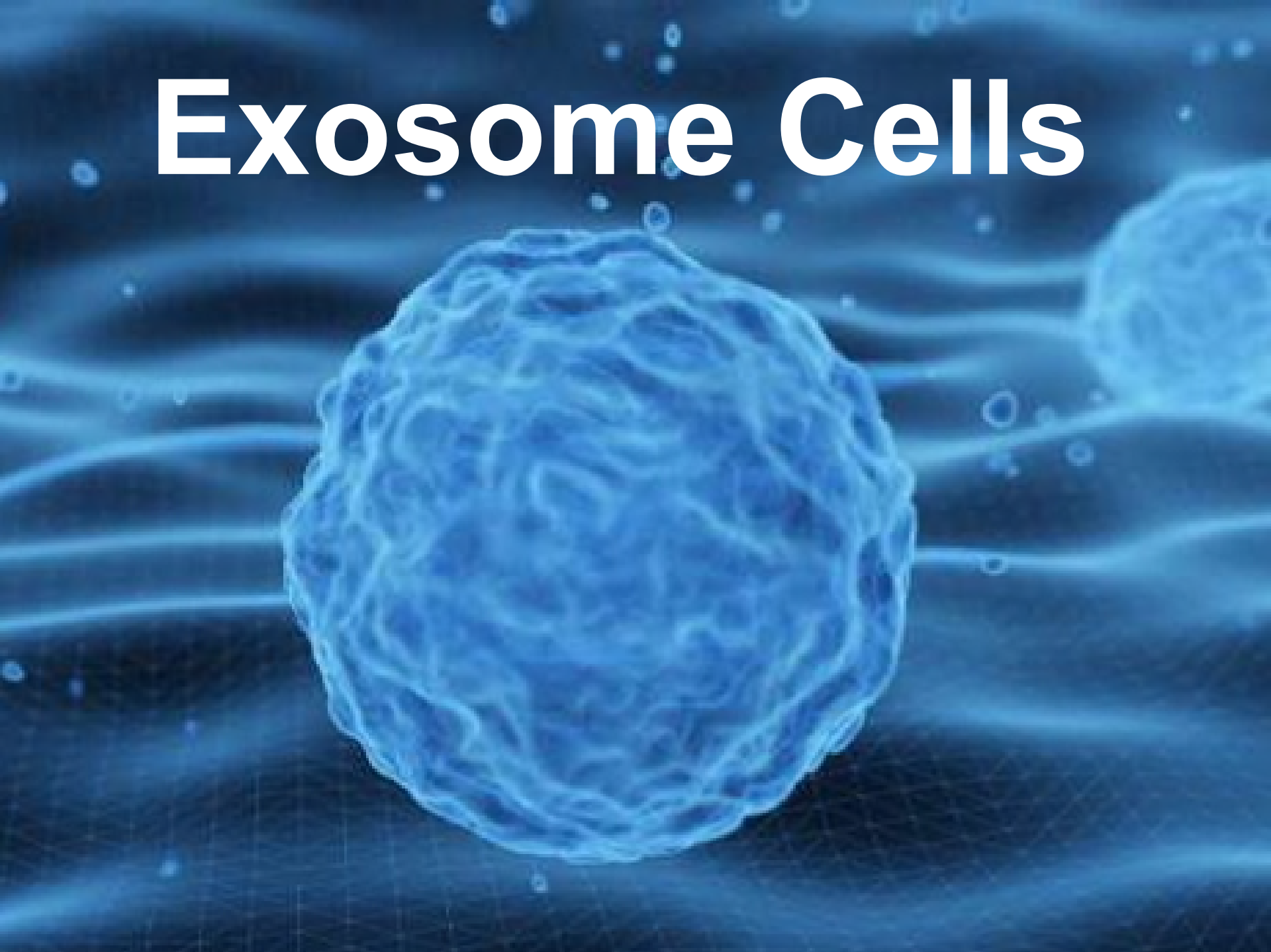
Apheresis

Therapeutic Apheresis System

Indications/Applications

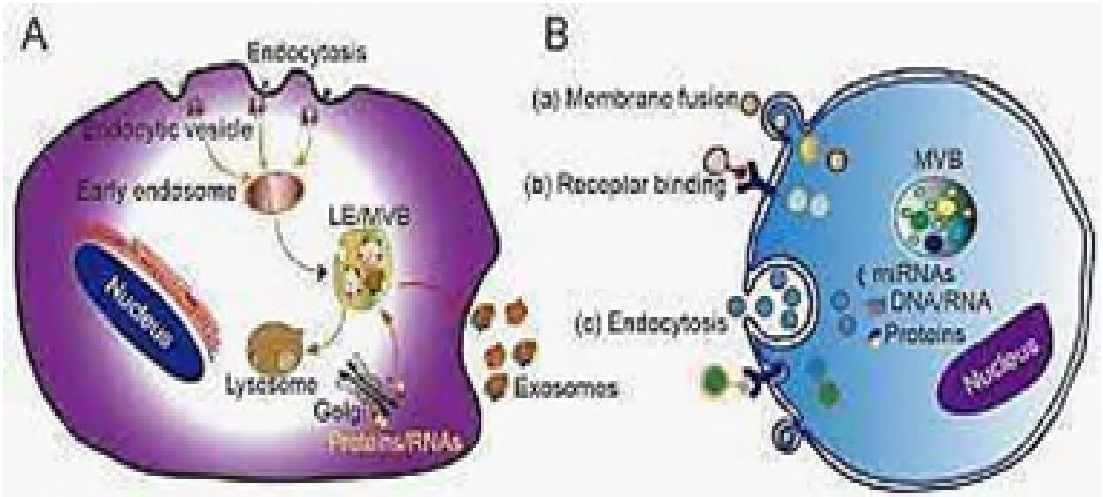
- Sickle cell disease, a disorder that affects the ability of red blood cells to carry oxygen to the body
- Transplant rejection of solid organs (heart, lung, kidney)
- Autoimmune diseases such as myasthenia gravis, multiple sclerosis/neuromyelitis optica (NMO), and TTP
- Familial hypercholesterolemia, an inherited genetic condition that causes the accumulation of “bad” cholesterol
- Focal segmental glomerulosclerosis (FSGS)
- Mycosis fungoides
- Graft-versus-host disease (GVHD)

Exosome Cells



EPSCs = Exosome Cells – for excellent aesthetic results

EPSC is isolated from the patient´s own serum. EPSCs can be found naturally in the bone marrow and peripheral blood serum. After isolation from the patient´s serum, they must be activated to express a defined chemokine-receptor (CRCX4) which binds to SDF-1 (stromal factor-1). SDF-1 is always released upon cellular or tissue damage. After binding of CXCR4 to SDF-1, EPSCs are homed to any tissue suffering from damage and regenerate and repair injured tissue components.



<u>Indications:</u>

- Blood circulation disorders
- High Cholesterol
- Atherosclerosis
- Especially helpful for aesthetic cosmetic applications to induce collagen production of the skin (wrinkles, saggy skin),
- cellulitis,
- erectile dysfunction,
- penis enlargement,
- vagina tightening,
- any form of joint arthritis

Special advantage of exosomes compared to conventional MSC's

BioMed Clinic Bangkok apply a cutting-edge new technology called induced Pluripotent Stem Cells (iPSC) for the patients who have different (serious) chronic diseases which are lacking any conventional treatment.

iPSC technology is a patented technology by Prof. Shinya Yamanaka of Japan, who was awarded "Noble Prize in 2012 in Medicine.

Induced Mesenchymal stem Cells (iMSCs) made from iPSCs are one of those cell types used as a cell-based treatment for treating human diseases. Recently, several mechanisms have been put forward regarding the therapeutic potential of iMSCs, including (1) paracrine factors involving proteins/peptides and hormones and (2) the transfer of exosomes/micro-vesicles packaging various molecules.

One benefit of using Exosomes is that can penetrate the blood brain barrier and prevent possible pulmonary embolism associated with cell transplantation or therapy. Therefore, we believe exosomes isolated from iMSCs will have strong potential as cell-free based therapeutic applications.

iv Products

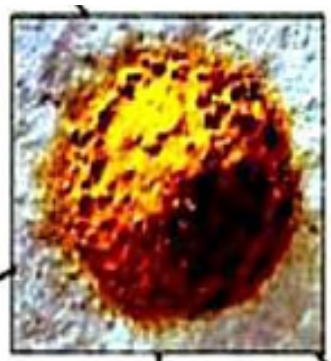
Curcumin

for oral and intravenous use

Curcumin in general

Also called turmeric, is an intense yellow orange spice in Indian curry mixtures. Preferably in high dosage, it can be used for any cancer form both preventively and therapeutically. In India, turmeric is traditionally present in the nutrition chain and the disease rate of breast, prostate, colorectal and lung cancer is ten times lower than in the United States. Many experts attribute this fact to the Curcumin. There are about 3,000 studies demonstrating the effect of Curcumin on cancer. The German Society of Oncology, as well as those in Austria and the United States are in favor of the use of curcumin as a therapy support. In biological cancer therapy, curcumin is no longer a secret weapon: it can be used in multiple ways to fight cancer without side effects. Curcumin acts against cancer via various mechanisms: It stimulates the immune system and inhibits the formation and spread of metastases (proliferation) at the genetic level. Curcumin activates genes involved in apoptosis (cell death) and has anti-angiogenic effects. Curcumin infusions prevent the development of blood vessels in the tumour tissue. With its immune stimulating properties, it is due that curcumin has the ability to fight potentially cancer-causing free radicals. Latest research points to an amazing connection between Curcumin and the reproduction of an antimicrobial protein in the human immune system. The secondary plant material weakens the cell membranes of cancer cells, making them more vulnerable to the immune system. For biological cancer therapies, chemo or radiation therapy, it counteracts infections as it disables the protein NF-kB. Our doctors and therapists at the BioMed Clinics use Curcumin as an infusion in addition to the Biological therapy of cancer. Since we can introduce high curcumin doses directly – i.e. without passage through the digestive tract – into the body, we achieve a significantly higher therapeutic effect than a conventional oral intake. Curcumin infusions should be made only under the supervision of an experienced therapist in the framework of a holistic therapy program, which includes an in-depth laboratory diagnostic. Dosage is according to a patient’s weight and our patients receive curcumin via an infusion protocol. The treatment at BioMed Clinic Group is embedded in a therapy concept that is individually tailored to each patient

Indications



Curcumin

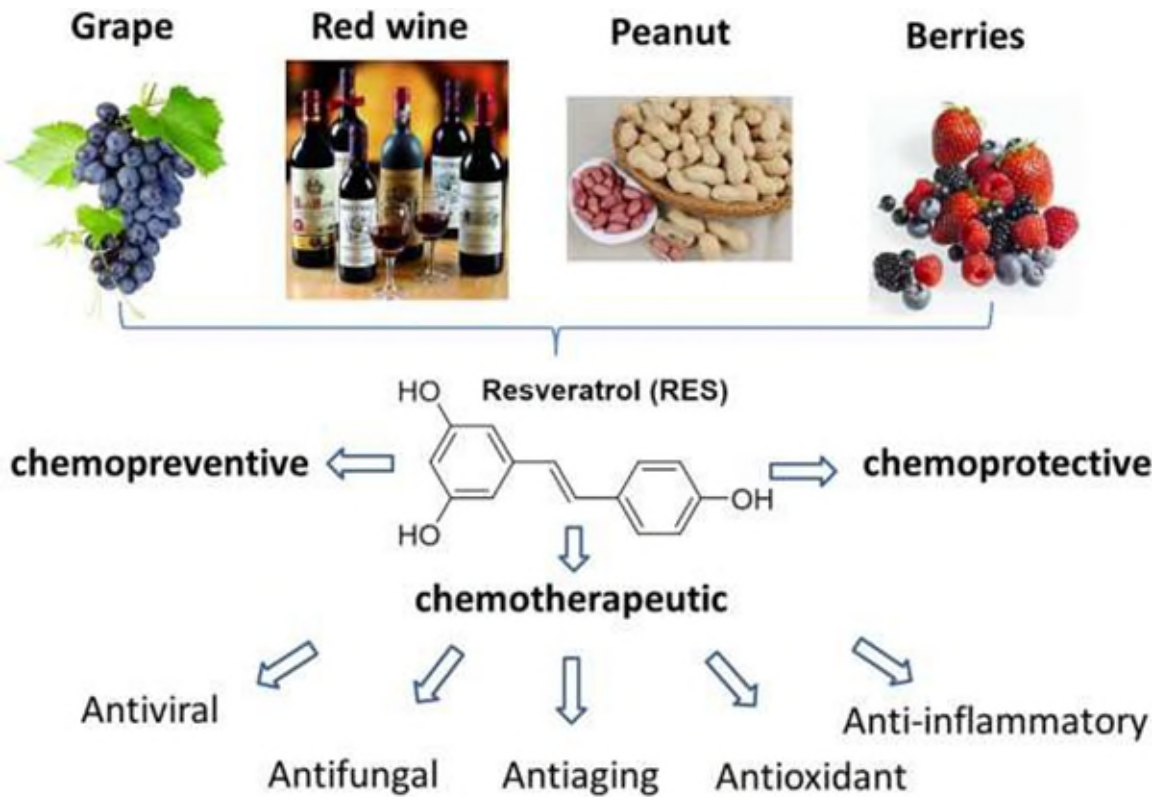
Others
- Hypolipidemia
- Hyaline membrane disease
- Antihelminthic
- Antispasmodic
- Antidepressant
- Antivenomic
- Fanconi anemia
- Cataract
- Gall stone
- Wounds

Inflammatory diseases
- Contraceptive
- Allergy
- Inflammatory bowel disease
- Pancreatitis
- Fever

Infection
- Malaria
- Leishmaniasis
- Sexually transmitted disease

Chronic disease
- Gastric ulcer
- Acquired immune deficiency syndrome
- Alzheimer's
- Scleroderma
- Lewy body disease
- Renal diseases
- Psoriasis
- Hypothyroidism
- Parkinson's
- Cystic fibrosis
- Epilepsy
- Diabetes
- Cancer
- Atherosclerosis
- Myocardial infarction
- Liver diseases
- Osteoporosis
- Multiple sclerosis
- Lung diseases
- Arthritis

Resveratrol



- Resveratrol is a phytoalexin, a class of compounds produced by many plants when they are infected by pathogens or physically harmed by cutting, crushing, or ultraviolet radiation. Plants that synthesize resveratrol include knotweeds, pine trees including Scots pine and Eastern white pine, grape vines, peanut plants, cocoa bushes, and *Vaccinium* shrubs that produce berries, including blueberries, raspberries, mulberries, cranberries, and bilberries.
- Resveratrol is a polyphenol naturally found in the skin of red grapes, certain berries, and other plants. Recent research has shown that Resveratrol can help to support healthy cardiovascular function.
- Resveratrol is best known for its cellular anti-aging properties, as well as for its ability to promote a healthy response to biological stress. Directions Suggested Usage: 3 x per week infusion.
- BioMed's iv product has a Mega Potency for cardiovascular support.

Vitamin C (IV high doses)

special cold filtered sterilization

Studies have shown that vitamin C can increase both the production and function of white blood cells, which are essential for optimal immune function. Therefore, high-dose IV vitamin C therapy can have a significant impact on the prevention and treatment of infections.

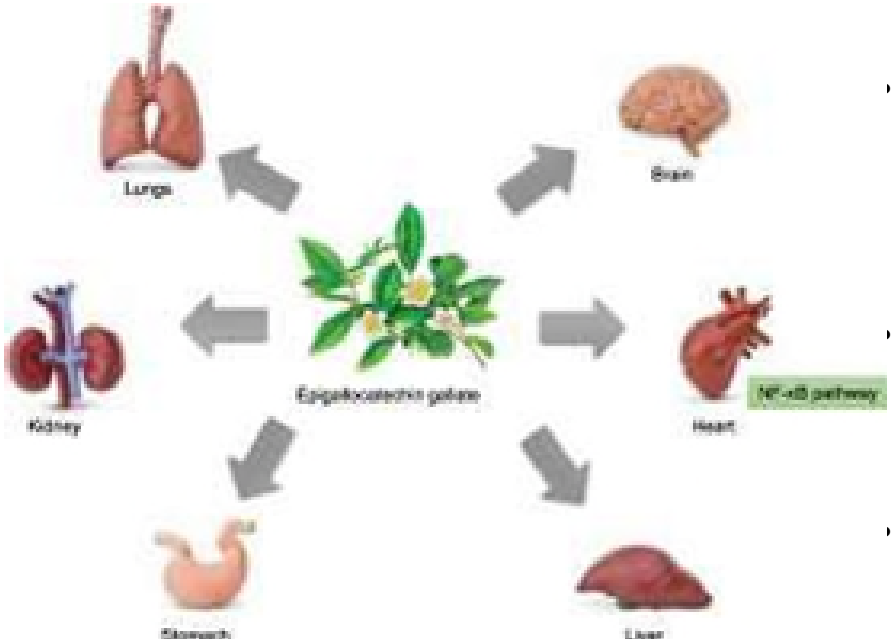
The Vitamin C IV preparations available on the market are usually sterilized with auto-clave method which causes the Vitamin C to oxidize, so i. e. there is therapeutically no effect.

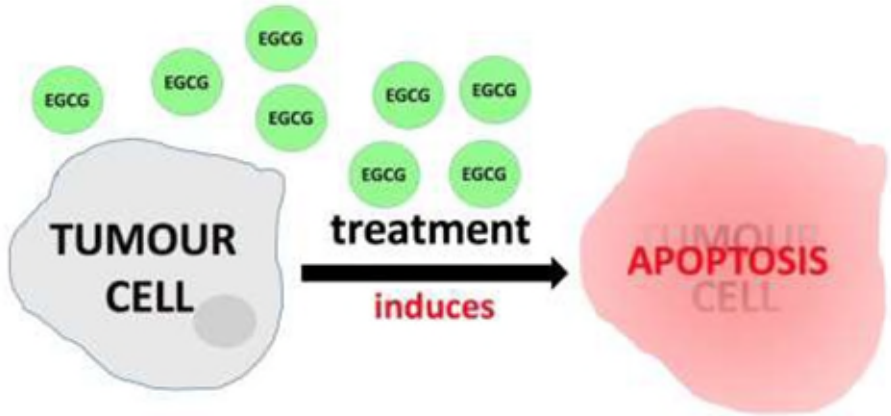
BioMed Laboratories uses the cold-filtration methods with 0.2 micron filters to ensure active Vitamin C in every infusion.

Main benefits of Vitamin C

- Vitamin C boosts your blood's antioxidant
- Vitamin C has been shown to help reduce blood pressure
- Vitamin C treatments may help people who suffer from gout
- Vitamin C helps your body absorb iron better
- Vitamin C may protect thinking and memory functions
- Vitamin C protects pregnant women against prenatal health problems
- Vitamin C has been shown to help prevent cataracts
- Vitamin C protects skin against wrinkling
- Vitamin C helps reduce mental and physical symptoms of stress
- Vitamin C can inhibit the growth of some cancerous tumors

EGCG (Epigallocatechin Gallate)



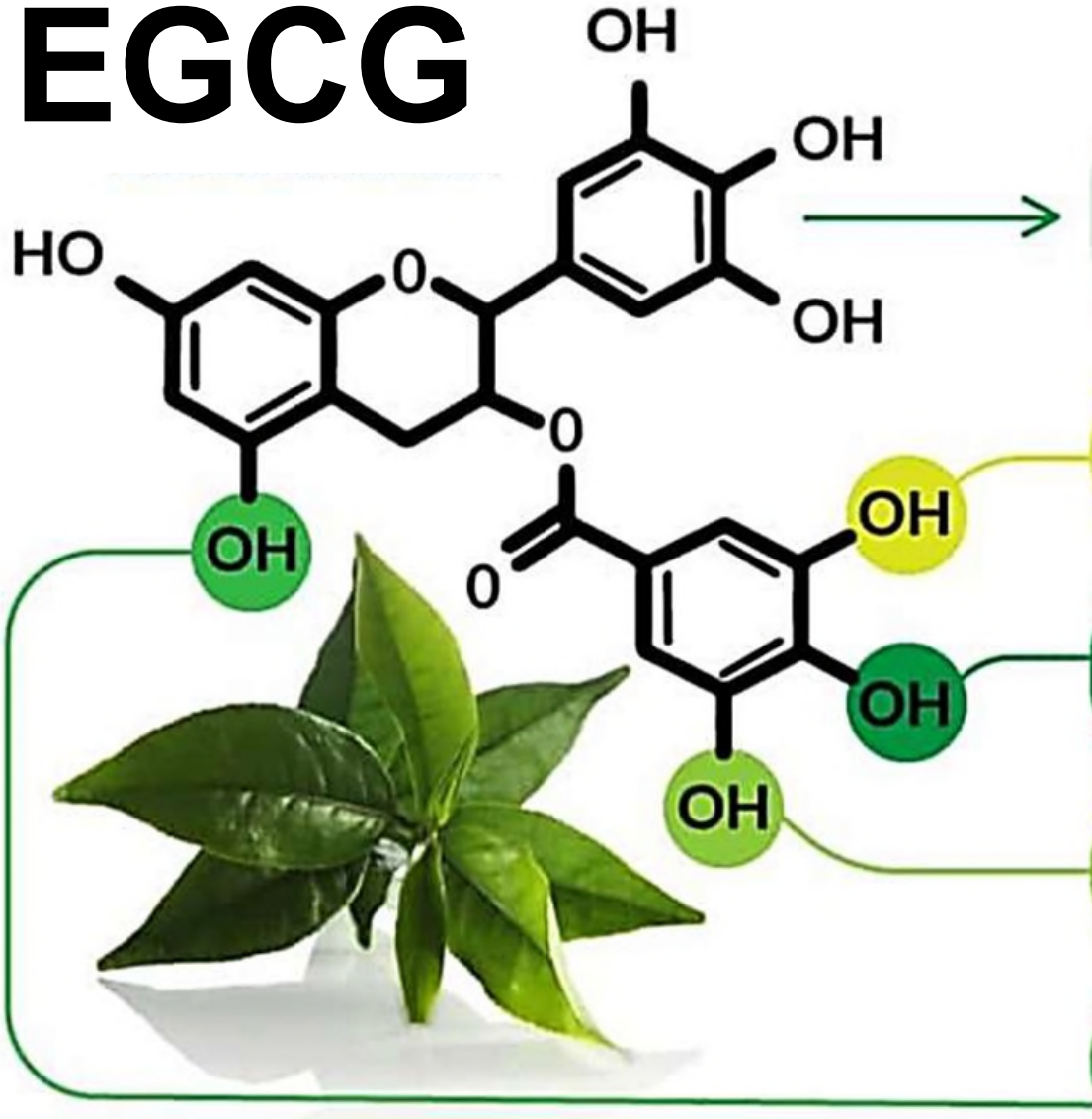


- Formally known as epigallocatechin gallate, EGCG is a type of plant-based compound called catechin. Catechins may be further categorized into a larger group of plant compounds known as polyphenols.
- EGCG and other related catechins act as potent antioxidants that may protect against cellular damage caused by free radicals.
- Free radicals are highly reactive particles formed in your body that can damage your cells when their numbers get too high. Eating foods high in antioxidants like catechins may help limit free radical damage.

Additionally, research suggests that catechins like EGCG may reduce inflammation and prevent certain chronic conditions, including heart disease, diabetes, and some cancers.

EGCG exists naturally in several plant-based foods but is also available as a dietary supplement usually sold in the form of an extract.

EGCG



Green Tea

EGCG may protect against potential carcinogenic agents such as UV radiation, smoking, pentachlorophenol, and heterocyclic amines. EGCG may also work to increase the catabolism of these carcinogens

EGCG in green tea may protect the consumer by inhibiting the growth of bacteria, such as Helicobacter pylori in the stomach, which are known to be carcinogenic

EGCG may promote selective apoptosis within tumors by inducing the G1 phase of the cell cycle, by promoting a balance of intracellular phosphorylations that favor apoptosis, or by inhibiting the intracellular enzyme fatty acid synthase

EGCG in green tea may suppress tumor growth by preventing angiogenesis or influencing interleukin production

EGCG may prevent oxidative injury to DNA and cellular proteins. EGCG may also inhibit the formation of intracellular peroxides

Artemisinin (Artesunate)

is a potent and widely used anti-malarial drug. Based on evidence demonstrating its treatment success, many infectious disease experts believe intravenous Artesunate should be the treatment of choice for malaria. It is proven to be an effective anti-malarial treatment and better tolerated than quinidine-based treatments. Over the past decade, additional therapeutic uses f or artemisinin have emerged.

Research has found artemisinin is selectively toxic to cancerous cells (causing cancer cell death or apoptosis), is anti-angiogenic (inhibiting the formation of tumor blood vessels), demonstrates anti-HPV activity and exhibits immune-modulating behavior.

In malaria parasites, Artesunate achieves its toxic effects by interacting with iron inside the food vacuole of the parasites. In human cancer cells, Artesunate initiates programmed cell death from the ensuing molecular damage caused by reactive oxygen species (ROS) generated by a reaction with iron.

DCA – Dichloracetic Acid (Dichloracetate)

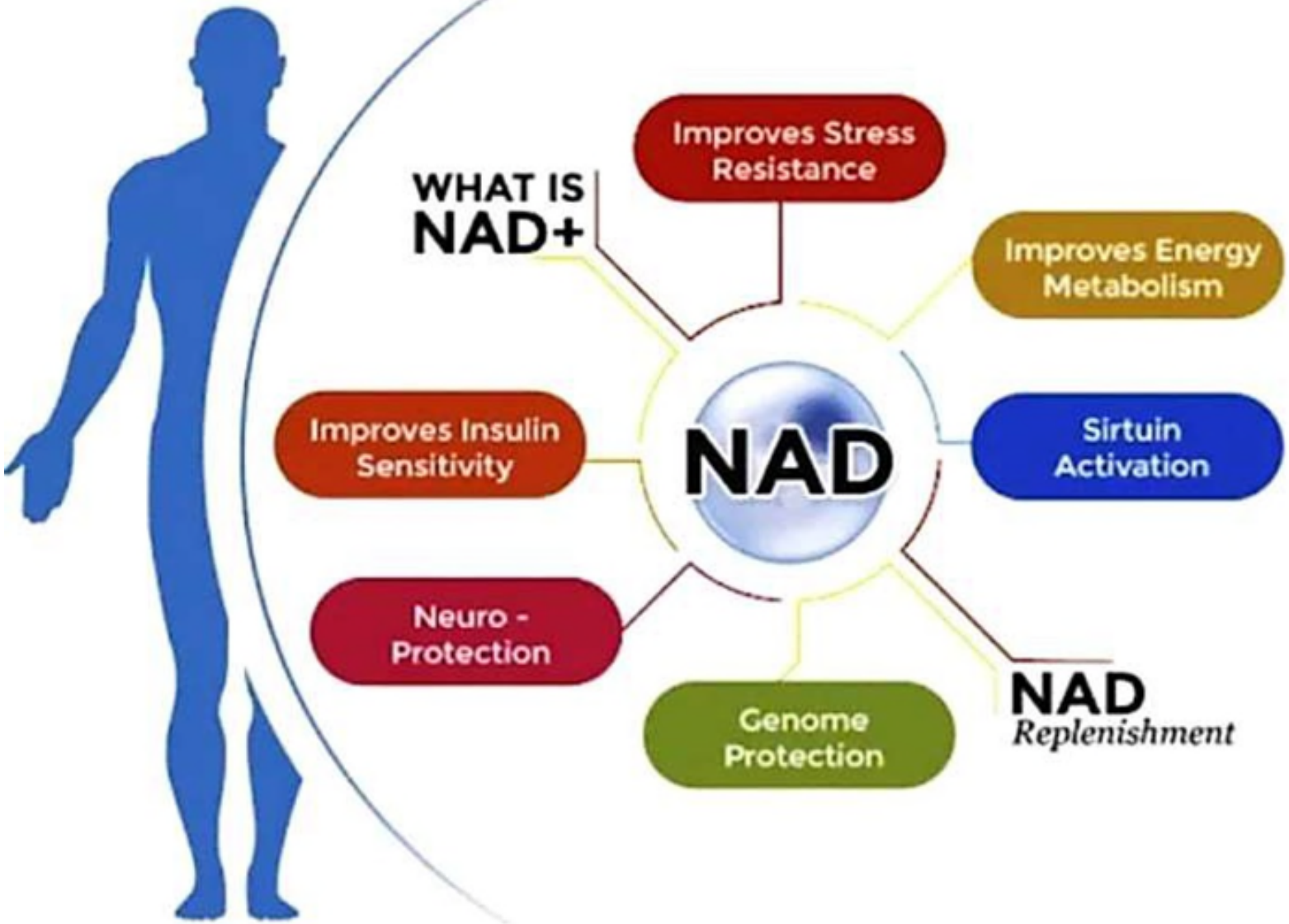
Dichloroacetic acid is a small molecule, basically acetic acid with 2 chlorines. The molecular formula is Cl2CHCOOH. Dichloroacetate is the sodium salt of dichloroacetic acid.

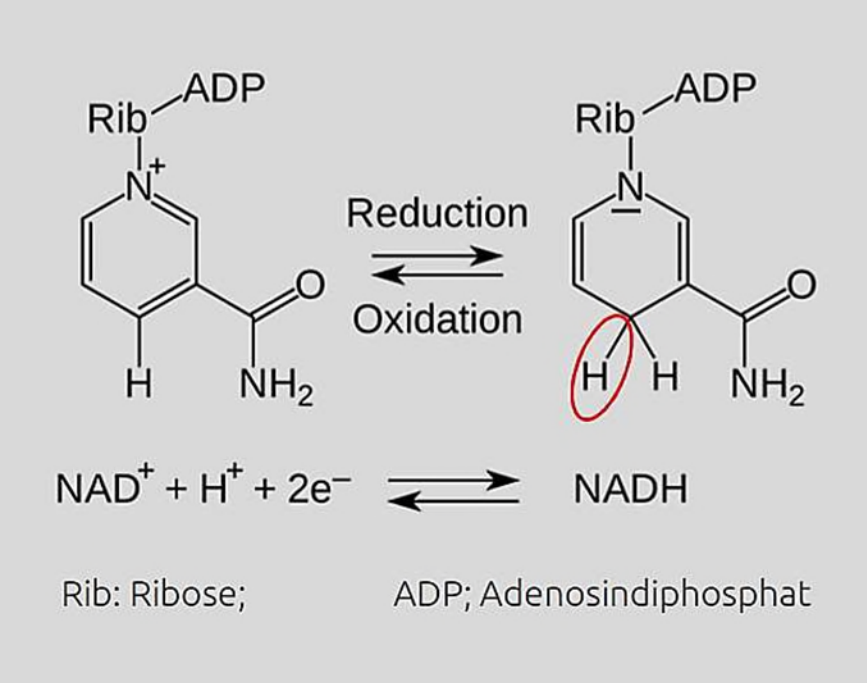
Some different research teams report that DCA turns on the mitochondria of cancer cells, allowing them to commit cellular suicide, or apoptosis. Cancer cells shut down the mitochondria, which is the part of the cell that is involved in metabolism and, incidentally, initiates the cell suicide. A non-cancerous cell will initiate apoptosis when it detects damage within itself that it cannot repair. But a cancer cell resists the suicide process.

That is why chemotherapy and radiation treatments do not work very well and actually result in terrible side effects… the healthy cells actually die much easier. Michelakis and his team discovered that they could re-activate the mitochondria of cancer cells. Not only that, the DCA is very effective in doing it: To quote from the Michelakis paper: “The decrease in [Ca2+]i occurs within 5 min and is sustained after 48 hr of DCA exposure.”

The mitochondria are so sensitive to DCA that just 5 minutes of exposure reactivates them for 48 hours. The metabolic approach to cancer is supported by many other researches.

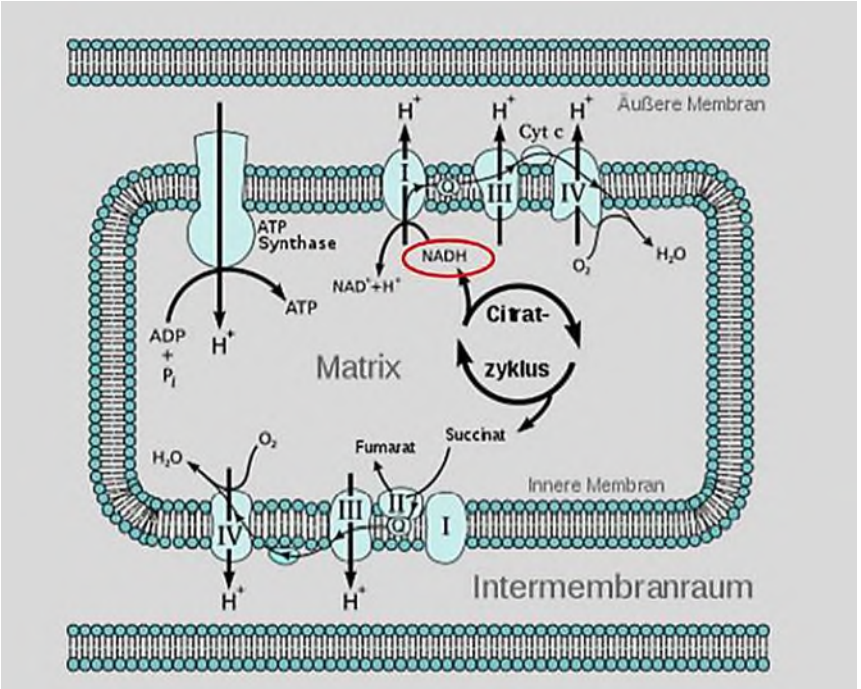
NAD+(H) - Nicotinamide Adenine Dinucleotide (H for Hydrogen)





- NAD+ and NADH are the oxidized and reduced forms of the same substance.
- Through the property of absorbing electrical charges and to release it again,
- **NAD + / NADH is also called "battery of the cell".**

- In the mitochondria, NAD + is reduced to NADH in the reactions of the citrate cycle.
- In the respiratory chain of the mitochondria, NADH is under Consumption of oxygen is oxidized to NAD +.
- The energy of this reaction is used to form ATP which is used as the central energy source of the cell acts.



NADH / NAD+

Nicotinamide adenine dinucleotide (NAD+) is an essential cofactor in all living cells that is involved in fundamental biological processes and is essential component of energy production (mitochondrial function):

- DNA repair
- Cell repair
- Turns Genes on and off
- Maintains neurotransmitter levels
- Communication of cells
- ATP production in cells.

Benefits for Metabolic Functions

- Increases energy levels
- Decreases fatigue
- Restores muscle function and athletic performance
- Improves metabolism
- Helps Weight loss
- Helps Glucose levels

- Improves brain health and neurological function Improves mental clarity
- Improves brain regeneration
- Improves focus and concentration
- Boosts mood
- Improves memory

Amino acid Complex ALL IN ONE

are organic compounds that combine to form proteins. Amino acids and proteins are the building blocks of life. When proteins are digested or broken down, amino acids are left. The human body uses amino acids to make proteins to help the body:

- Break down food
- Grow
- Repair body tissue
- Perform many other body functions

Amino acids can also be used as a source of energy by the body.

Amino acids are classified into three groups:

- Essential amino acids
- Nonessential amino acids
- Conditional amino acids

ESSENTIAL AMINO ACIDS

- Essential amino acids cannot be made by the body. As a result, they must come from food.
- The 9 essential amino acids are: histidine, isoleucine, leucine, lysine, methionine, phenylalanine, threonine, tryptophan, and valine.

NONESSENTIAL AMINO ACIDS

Nonessential means that our bodies produce an amino acid, even if we do not get it from the food we eat. Nonessential amino acids include: alanine, arginine, asparagine, aspartic acid, cysteine, glutamic acid, glutamine, glycine, proline, serine, and tyrosine.

CONDITIONAL AMINO ACIDS

- Conditional amino acids are usually not essential, except in times of illness and stress.
- Conditional amino acids include: arginine, cysteine, glutamine, tyrosine, glycine, ornithine, proline, and serine.

You do not need to eat essential and nonessential amino acids at every meal, but getting a balance of them over the whole day is important. A diet based on a single plant item will not be adequate, but we no longer worry about pairing proteins (such as beans with rice) at a single meal. Instead we look at the adequacy of the diet overall throughout the day.

Chelation Therapy (Ca/Na-EDTA)

Ethylene Diamine Tetra-acetic Acid

Chelation is the IV infusion of EDTA to treat blood vessel inflammations. This helps improve blood circulation especially for those who have arteriosclerosis, and can reduce the bypass operation rate as much as 85%. Chelation removes toxic heavy metals that damage the walls of our blood vessels, mainly via urination. Our blood vessels become more flexible and have wider lumen, making it easier for the blood cells to be circulated throughout our body. In addition, chelation can help reduce oxidative stress and plague formation in the blood vessel. Therefore, overall health will significantly improve. Chelation can solve and alleviate high blood pressure, arteriosclerosis, Diabetes Mellitus, heavy metal toxicity, chronic headache, diseases from abnormal blood circulation and numbers of chronic diseases.

Benefit:

- Remove toxic to the body and Cardiovascular system
- Reducing the risk of cancer
- Improve better blood circulation
- Reducing the risk of coronary artery disease in the brain and heart. Reducing blood cholesterol levels, This is the main cause of Hypertension Disease and Ischemic Heart
- Disease (IHD)
- Prevent degenerative disease
- Help relieve the symptoms of hypertension disease, diabetes mellitus, heavy metal poisoning, migraine headache and chronic illness
- Decreases skin inflammation
- Relief for Alzheimer’s disease, improve brain function and memory
- Sexual Rehabilitation
- Help improve more nervous system

Calcium disodium EDTA (Ca-EDTA) chelation removes heavy metals and minerals from the blood, **Disodium EDTA (Na-EDTA)** is used for arteriosclerosis and coronary heart disease (CHD).

Cobalamin (B12)

Methylcobalamin, or vitamin B12

Is a B-vitamin. It is found in a variety of foods such as fish, shellfish, meats, and dairy products. Although methylcobalamin and vitamin B12 are terms used interchangeably, vitamin B12 is also available as hydroxocobalamin, a less commonly prescribed drug product (see Hydroxocobalamin monograph), and methylcobalamin. Methylcobalamin is used to treat pernicious anemia and vitamin B12 deficiency, as well as to determine vitamin B12 absorption in the Schilling test. Vitamin B12 is an essential vitamin found in the foods such as meat, eggs, and dairy products. Deficiency in healthy individuals is rare; the elderly, strict vegetarians (i.e., vegan), and patients with malabsorption problems are more likely to become deficient. If vitamin B12 deficiency is not treated with a vitamin B12 supplement, then anemia, intestinal problems, and irreversible nerve damage may occur.

The most chemically complex of all the vitamins, methylcobalamin is a water-soluble, organometallic compound with a trivalent cobalt ion bound inside a corrin ring which, although similar to the porphyrin ring found in heme, chlorophyll, and cytochrome, has two of the pyrrole rings directly bonded. The central metal ion is Co (cobalt).

Methylcobalamin cannot be made by plants or by animals; the only type of organisms that have the enzymes required for the synthesis of methylcobalamin are bacteria and archaea. Higher plants do not concentrate methylcobalamin from the soil, making them a poor source of the substance as compared with animal tissues.

Vitamin B12, or methylcobalamin, is essential to growth, cell reproduction, hematopoiesis, and nucleoprotein and myelin synthesis. Cells characterized by rapid division (epithelial cells, bone marrow, myeloid cells) appear to have the greatest requirement for methylcobalamin. Vitamin B12 can be converted to coenzyme B12 in tissues; in this form it is essential for conversion of methylmalonate to succinate and synthesis of methionine from homocysteine (a reaction which also requires folate). In the absence of coenzyme B12, tetrahydrofolate cannot be regenerated from its inactive storage form, 5-methyl tetrahydrofolate, resulting in functional folate deficiency. Vitamin B12 also may be involved in maintaining sulfhydryl (SH) groups in the reduced form required by many SH-activated enzyme systems. Through these reactions, vitamin B12 is associated with fat and carbohydrate metabolism and protein synthesis. Vitamin B12 deficiency results in megaloblastic anemia, GI lesions, and neurologic damage (which begins with an inability to produce myelin and is followed by gradual degeneration of the axon and nerve head). Vitamin B12 requires an intrinsic factor-mediated active transport for absorption, therefore, lack of or inhibition of intrinsic factor results in pernicious anemia.

Dexpanthenol (B5)

Dexpanthenol is an alcohol derivative of pantothenic acid

A component of the B complex vitamins and an essential component of a normally functioning epithelium. Dexpanthenol is enzymatically cleaved to form pantothenic acid, which is an essential component of Coenzyme A, which acts as a cofactor in many enzymatic reactions that are important for protein metabolism in the epithelium. Due to its good penetration and high local concentrations, dexpanthanol is used in many topical products, such as ointments and lotions for treatment of dermatological conditions to relieve itching or promote healing. Dermatological effects of the topical use of dexpanthenol include increased fibroblast proliferation and accelerated re-epithelialization in wound healing. Furthermore, it acts as a topical protectant, moisturizer, and has demonstrated anti-inflammatory properties. Dexpanthenol is also available as a racemic mixture containing both the dextrorotatory form (dexpanthenol) and the levorotatory form (levopanthenol) as [DB11204]. While pantothenic acid is optically active, only the dextrorotatory form (dexpanthenol) is biologically active.

Folic Acid (B9)

Folic acid

A biochemically inactive compound, is the precursor for tetrahydrofolic acid and methyltetrahydrofolate. Tetrahydrofolic acid, methyltetrahydrofolate, and other folic acid congeners are essential for the maintenance of normal erythropoiesis and are also required cofactors for the synthesis of purine and thymidylate nucleic acids. They are also necessary for the interconversion of amino acids such as the metabolism of histidine to glutamic acid and the interconversion of serine and glycine. Folic acid congeners are transported across cells by receptor-mediated endocytosis where they function and are stored. Other processes involving folate coenzymes include generation and use of formate and methylation of transfer RNA. Impaired thymidylate synthesis, which leads to faulty DNA synthesis, is responsible for megaloblastic and macrocytic anemias.

An important role of folic acid is the formation of methionine from homocysteine using vitamin B12 as a cofactor. Adequate folic acid intakes can normalize high homocysteine levels via increased remethylation of homocysteine to methionine via 5-methyltetrahydrofolate-homocysteine methyltransferase (a.k.a.; methionine synthetase).

Folic acid, a biochemically inactive compound, is the precursor for tetrahydrofolic acid and methyltetrahydrofolate. Tetrahydrofolic acid, methyltetrahydrofolate, and other folic acid congeners are essential for the maintenance of normal erythropoiesis and are also required cofactors for the synthesis of purine and thymidylate nucleic acids. They are also necessary for the interconversion of amino acids such as the metabolism of histidine to glutamic acid and the interconversion of serine and glycine. Folic acid congeners are transported across cells by receptor-mediated endocytosis where they function and are stored. Other processes involving folate coenzymes include generation and use of formate and methylation of transfer RNA. Impaired thymidylate synthesis, which leads to faulty DNA synthesis, is responsible for megaloblastic and macrocytic anemias.

An important role of folic acid is the formation of methionine from homocysteine using vitamin B12 as a cofactor. Adequate folic acid intakes can normalize high homocysteine levels via increased remethylation of homocysteine to methionine via 5-methyltetrahydrofolate-homocysteine methyltransferase (a.k.a.; methionine synthetase). Reduced folic acid intake is associated with hyperhomocysteinemia. Hyperhomocysteinemia is recognized as an independent risk factor for artherosclerosis of the coronary, cerebral, and peripheral vasculature. There is mounting evidence that elevated plasma homocysteine (and therefore decreased serum methionine) contributes to congenital neural tube defects. High serum homocysteine levels may also be important in the pathogenesis of colon cancer, diabetic retinopathy, and other diseases.

Reduced folic acid intake is associated with hyperhomocysteinemia. Hyperhomocysteinemia is recognized as an independent risk factor for artherosclerosis of the coronary, cerebral, and peripheral vasculature. There is mounting evidence that elevated plasma homocysteine (and therefore decreased serum methionine) contributes to congenital neural tube defects. High serum homocysteine levels may also be important in the pathogenesis of colon cancer, diabetic retinopathy, and other diseases.

Folic acid is a water-soluble, B-complex vitamin that is available orally and parenterally. This vitamin is found in a variety of foods including liver, kidneys, yeast, and leafy, green vegetables. A deficiency in folic acid can cause a variety of hematologic complications including megaloblastic and macrocytic anemias. In addition to treating megaloblastic and macrocytic anemias as well as tropical sprue, this vitamin is also used as a diagnostic aid for folate deficiency. In recent years, it has been discovered that adequate folic acid intake can substantially decrease the risk of congenital neural tube defects.1 Unlike the folic acid derivative leucovorin, folic acid is not clinically useful in offsetting the action of folate reductase inhibitors because it requires the enzyme dihydrofolate reductase for activation. Folic acid is also ineffective in the treatment of aplastic and normocytic anemias. Prescription forms of folic acid were approved by the FDA in 1946. In 1998, the recommended dietary allowance for all women of child bearing age who are capable of becoming pregnant was increased to 400 mcg of folic acid daily. As of 1998, the FDA has required that all food manufacturers fortify enriched grain products with folic acid to reduce the risk of congenital neural tube defects.

Alpha-Lipoic Acid

Alpha lipoic acid It is found mainly in the liver and other body tissues. As well as in some fruits and vegetables, ALA is a vitamin-like nutrient. It is soluble in both water and oil. makes it easily absorbed into the body And can penetrate into the deepest layer of the cell at the DNA level, thereby helping to slow down the degeneration at the cellular level. As well as through the blood-brain barrier. The body is able to synthesize ALA on its own in sufficient quantities to support mitochondria. (mitochondria) convert glucose into energy only not produced enough to be used to promote health in other areas.

When getting older or the body is in a weak state The body produces less ALA, so to promote better health. Therefore, it has been invented to produce in the form of dietary supplements.

The action of ALA has the following health benefits:
Beauty performance

- Promote the function of antioxidants (Universal Antioxidant)
- Slow down the deterioration of skin cells Reduce wrinkles and dryness
- White skin naturally
- Reduce inflammation and acne From the ability to make vitamin C, vitamin E that have deteriorated to work again.
- Helps to remove toxins from the body
- Reduce the level of fat in the blood and risk of cardiovascular disease

Treatment Scheme for

Anti-Aging and Aesthetic Medicine

iv Therapies

Supportive Cancer Therapies

- Curcumin High Doses
- Resveratrol High Doses
- Artesunate/Amygdalin
- EGCG
- Vitamin-Mineral and Amino Acid Complexes

Core Therapies

Hyperthermia

Exosome Cells

Photo Dynamic Therapy

physical Therapies

Supportive Cancer Therapies

- Ozone Therapy
- Oxygen Multistep Therapy
- Oxygenation
- Hyperbaric Oxygen Therapy

Example

Cancer

Basic Program

(minimal program)

Basic Program B:
4 x 3-day-clinic-course

= 12 regular treatment days within 4 weeks

Day 1 - *1. week – 4. week:*

- Ozone Therapy: 4 x 50µg
- Simultaneous Treatments (90 min):
  - NAD 100mg
  - Curcumin 300mg Simultaneous
- Treatments (90 min):
  - Systemic Hyperthermia, incl. O^2 Inhalation
  - VitaminC-Mineral Complex
  - Resveratrol Infusion, 500mg

Day 2 - *1. week – 4. week:*

- Ozone Therapy: 5 x 60µg
- Simultaneous Treatments:
  - Systemic Hyperthermia, incl. O^2 Inhalation
  - VitaminC-Mineral Complex
- Simultaneous Treatments (90 min):
  - NAD 100mg in 100ml NSS
  - Resveratrol 500mg in 250ml NSS
- Simultaneous Treatments (90 min):
  - IV & TC Laser Irradiation IR, RED
    LED Whole Body Irradiation

Day 3 - *1. week – 4. week:*

- Simultaneous Treatments:
  - Systemic Hyperthermia, incl. O^2 Inhalation
  - VitaminC-Mineral Complex
- Simultaneous Treatments (90 min):
  - NAD 100mg in 100ml NSS
  - EGCG 500mg in 250ml NSS
- Simultaneous Treatments (90 min):
  - IV & TC Laser Irradiation IR, RED
  - LED Whole Body Irradiation

Treatment Scheme B

Basic Program 4 x 3-day-clinic-course

= 12 regular treatment days
= total 12 treatment days within 4 weeks

	1. week	2. week	3. week	4. week
12 regular treatment days	Day 1, 2, 3	Day 1, 2, 3	Day 1, 2, 3	Day 1, 2, 3
CAR-T Cell Treatment				Day 2

Basic Program B

4 x 3 days Clinic Course
= 12 treatment days
within 4 weeks

A) Infusion Therapies

- NAD+(H) 12 x
- Curcumin 12 x
- Resveratrol 12 x

B) Physical Therapies

- Systemic Hyperthermia 12 x
- Ozone Therapy 12 x
- Transcutaneous Blood Laser 12 x
- Intravenous Blood Laser 12 x
- LED Bed Irradiation 12 x

C) Cell Therapies

- CAR-T Cell Therapy 1 x

Example Cancer Intensive Program

Intensive Program A: 12 x 3-day-clinic-course

= 36 regular treatment days
+ 8 Maintenance treatment days
= total 60 treatment days within 12 months

Day 1 (Preparation) *1. week – 12. week:*

- Ozone Therapy: 4 x 50µg
- Simultaneous Treatments (90 min):
  - NAD 100mg
  - Curcumin 300mg Simultaneous
- Treatments (90 min):
  - Systemic Hyperthermia, incl. O^2 Inhalation
  - VitaminC-Mineral Complex
  - Resveratrol Infusion, 500mg

Day 2 (Exosome Cells) *1. week – 12. week:*

- Ozone Therapy: 5 x 60µg
- Simultaneous Treatments:
  - Systemic Hyperthermia, incl. O^2 Inhalation
  - VitaminC-Mineral Complex
- Simultaneous Treatments (90 min):
  - NAD 100mg in 100ml NSS
  - Resveratrol 500mg in 250ml NSS
- Simultaneous Treatments (90 min):
  - **NK T Cell Therapy, slow infusion**
  - Amino Acid Complex
- Simultaneous Treatments (90 min):
  - IV & TC Laser Irradiation IR, RED
    LED Whole Body Irradiation

Day 3 (Follow up) *1. week – 12. week:*

- Simultaneous Treatments:
  - Systemic Hyperthermia, incl. O^2 Inhalation
  - VitaminC-Mineral Complex
- Simultaneous Treatments (90 min):
  - NAD 100mg in 100ml NSS
  - EGCG 500mg in 250ml NSS
- Simultaneous Treatments (90 min):
  - IV & TC Laser Irradiation IR, RED
  - LED Whole Body Irradiation

Week 4, Day 2

CAR-T-Cell Infusion

Maintanance Program after Main Course

(8 months, per month 1 treatment day):

- Ozone Therapy: 4 x 60µg
- Simultaneous Treatments:
  - Systemic Hyperthermia, incl. O^2 Inhalation
  - VitaminC-Mineral Complex
- Simultaneous Treatments (90 min):
  - NAD 100mg in 100ml NSS
- Simultaneous Treatments (90 min):
  - **NK-T Cell Therapy, as slow infusion**
  - Amino Acid Complex
- Simultaneous Treatments (90 min):
  - IV & TC Laser Irradiation IR, RED
  - LED Whole Body Irradiation

Treatment Scheme A

Long Term Intensive Program 12 x 3-day-clinic-course

= 36 regular treatment days
+ 8 x 3 Maintenance treatment days = 24 treatment days
= total 60 treatment days within 12 months

Week 4, Day 2
CAR-T-Cells

	1. Month				2. Month				3. Month			
	1. week	2. week	3. week	4. week	5. week	6. week	7. week	8. week	9. week	10. week	11. week	12. week
36 regular treatment days	Day 1, 2, 3	Day 1, 2, 3	Day 1, 2, 3	Day 1, 2, 3	Day 1, 2, 3	Day 1, 2, 3	Day 1, 2, 3	Day 1, 2, 3	Day 1, 2, 3	Day 1, 2, 3	Day 1, 2, 3	Day 1, 2, 3
NK-T-Cell Treatment	Day 2	Day 2	Day 2	Day 2	Day 2	Day 2	Day 2	Day 2	Day 2	Day 2	Day 2	Day 2

	Rest 1 month	5. Month	6. Month	7. Month	8. Month	9. Month	10. Month	11. Month	12. Month
18 maintenance treatment days		Day 1, 2, 3	Day 1, 2, 3	Day 1, 2, 3	Day 1, 2, 3	Day 1, 2, 3	Day 1, 2, 3	Day 1, 2, 3	Day 1, 2, 3
NK-T-Cell Treatment		Day 2	Day 2	Day 2	Day 2	Day 2	Day 2	Day 2	Day 2

Intensive Program A 12 x 3-days clinic course

= 36 regular treatment days + 8 x 3 Maintenance treatment days
= 24 treatment days = total 60 treatment days within 12 months

A) Infusion Therapies

• NAD+(H)	36 x + 8 x Maintenance
• Curcumin	12 x
• Resveratrol	12 x
• EGCG	12 x
• Vitamin-Mineral-Complex	36 x + 8 x Maintenance

B) Physical Therapies

• Systemic Hyperthermia	36 x + 8 x Maintenance
• Ozone Therapy	24 x + 8 x Maintenance
• Transcutaneous Blood Laser	24 x + 8 x Maintenance
• Intravenous Blood Laser	24 x + 8 x Maintenance
• LED Bed Irradiation	24 x + 8 x Maintenance

C) Cell Therapies

• NK-T Cell Therapy	12 x + 8 x Maintenance
• CAR-T-Cells	1 x

Therapy Concept for

Anti-Aging & Aesthetic Medicine

Focus: Exosome Cell Therapy & Environment Therapy Complex

Intensive Program A

Intensive Program A: 12 x 3-day-clinic-course

Day 1 (Preparation) *1. week – 12. week:*

- Ozone Therapy: 4 x 50µg
- Simultaneous Treatments (90 min):
  - NAD 100mg
  - Curcumin 300mg Simultaneous
- Treatments (90 min):
  - Systemic Hyperthermia, incl. O^2 Inhalation
  - VitaminC-Mineral Complex
  - Resveratrol Infusion, 500mg

Day 2 (Exosome Cells) *1. week – 12. week:*

- Ozone Therapy: 5 x 60µg
- Simultaneous Treatments:
  - Systemic Hyperthermia, incl. O^2 Inhalation
  - VitaminC-Mineral Complex
- Simultaneous Treatments (90 min):
  - NAD 100mg in 100ml NSS
  - Resveratrol 500mg in 250ml NSS
- Simultaneous Treatments (90 min):
  - **Exosome Cell Therapy, slow infusion**
  - Amino Acid Complex
- Simultaneous Treatments (90 min):
  - IV & TC Laser Irradiation IR, RED
    LED Whole Body Irradiation

Day 3 (Follow up) *1. week – 12. week:*

- Simultaneous Treatments:
  - Systemic Hyperthermia, incl. O^2 Inhalation
  - VitaminC-Mineral Complex
- Simultaneous Treatments (90 min):
  - NAD 100mg in 100ml NSS
  - EGCG 500mg in 250ml NSS
- Simultaneous Treatments (90 min):
  - IV & TC Laser Irradiation IR, RED
  - LED Whole Body Irradiation

Maintanance Program after Main Course (8 months, per month 1 treatment day):

- Ozone Therapy: 4 x 60µg
- Simultaneous Treatments:
  - Systemic Hyperthermia, incl. O^2 Inhalation
  - VitaminC-Mineral Complex
- Simultaneous Treatments (90 min):
  - NAD 100mg in 100ml NSS
- Simultaneous Treatments (90 min):
  - **Exosome Cell Therapy, as slow infusion**
  - Amino Acid Complex
- Simultaneous Treatments (90 min):
  - IV & TC Laser Irradiation IR, RED
  - LED Whole Body Irradiation

Treatment Scheme A

Intensive Program 12 x 3-day-clinic-course

= 36 regular treatment days + 8 Maintenance treatment days
= total 44 treatment days within 12 months

	1. Month				2. Month				3. Month			
	1. week	2. week	3. week	4. week	5. week	6. week	7. week	8. week	9. week	10. week	11. week	12. week
36 regular treatment days	Day 1, 2, 3	Day 1, 2, 3	Day 1, 2, 3	Day 1, 2, 3	Day 1, 2, 3	Day 1, 2, 3	Day 1, 2, 3	Day 1, 2, 3	Day 1, 2, 3	Day 1, 2, 3	Day 1, 2, 3	Day 1, 2, 3
Exosome Treatment	Day 2	Day 2	Day 2	Day 2	Day 2	Day 2	Day 2	Day 2	Day 2	Day 2	Day 2	Day 2

	Rest 1 month	5. Month	6. Month	7. Month	8. Month	9. Month	10. Month	11. Month	12. Month
18 maintenance treatment days		Day 1, 2, 3	Day 1, 2, 3	Day 1, 2, 3	Day 1, 2, 3	Day 1, 2, 3	Day 1, 2, 3	Day 1, 2, 3	Day 1, 2, 3
Exosome Treatment		Day 2	Day 2	Day 2	Day 2	Day 2	Day 2	Day 2	Day 2

Summary A

Intensive Program 12 x 3-day-clinic-course
= 36 treatment days + 8 Maintenance treatment days
= total 44 treatment days within 12 months

A) Infusion Therapies

• NAD+(H)	36 x + 8 x Maintenance
• Curcumin	12 x
• Resveratrol	12 x
• EGCG	12 x
• Vitamin-Mineral-Complex	36 x + 8 x Maintenance

B) Physical Therapies

• Systemic Hyperthermia	36 x + 8 x Maintenance
• Ozone Therapy	24 x + 8 x Maintenance
• Transcutaneous Blood Laser	24 x + 8 x Maintenance
• Intravenous Blood Laser	24 x + 8 x Maintenance
• LED Bed Irradiation	24 x + 8 x Maintenance

C) Cell Therapies

• Exosome Cell Therapy	12 x + 8 x Maintenance

Cost Planning Program A

Intensive Program 12 x 3-day-clinic-course = 36 treatment days + 8 Maintenance treatment days
= total 44 treatment days within 12 months

#	Description	Quantity	Single Price in THB	Amount in THB
Infusion Therapies (iv medical plants, pharmaceutical iv's)				
1	Vitamin C-Mineral-Complex	36	THB 4,500.00	THB 162,000.00
2	Vitamin C-Mineral-Complex (Maintenance)	8	THB 4,500.00	THB 36,000.00
3	NADH & NAD+ (H) 100mg	36	THB 5,500.00	THB 198,000.00
4	NADH & NAD+ (H) 100mg (Maintenance)	8	THB 5,500.00	THB 44,000.00
5	Curcumin Anti-Aging Doses, 300mg (100ml)	12	THB 7,500.00	THB 90,000.00
6	Resveratrol, 500mg (50ml)	12	THB 7,500.00	THB 90,000.00
7	EGCG - Epigallocatechin, 500mg (50ml)	12	THB 6,500.00	THB 78,000.00
Physical Therapies				
8	Systemic Hyperthermia	36	THB 7,500.00	THB 270,000.00
9	Systemic Hyperthermia (Maintenance)	8	THB 7,500.00	THB 60,000.00
10	Ozone Therapy	24	THB 4,800.00	THB 115,200.00
11	Ozone Therapy (Maintenance)	8	THB 4,800.00	THB 38,400.00
12	Intravenous Blood Laser	24	THB 5,500.00	THB 132,000.00
13	Intravenous Blood Laser (Maintenance)	8	THB 5,500.00	THB 44,000.00
14	Transcutaneous Blood Laser	24	THB 4,500.00	THB 108,000.00
15	Transcutaneous Blood Laser (Maintenance)	8	THB 4,500.00	THB 36,000.00
16	LED Whole Body Irradiation	24	THB 5,500.00	THB 132,000.00
17	LED Whole Body Irradiation (Maintenance)	8	THB 5,500.00	THB 44,000.00
Cell Therpy				
18	Stem Cell Exosome Therapy *(4 x 100mil MSC = 4 x 160µg Exosomes)*	12	THB 75,000.00	THB 900,000.00
19	Stem Cell Exosome Therapy *(Stem Cell Exosome Therapy Maintenance)*	8	THB 35,000.00	THB 280,000.00
	Sub Total Pos. 1. - 17. iv and Physical Therapies			*THB 2,857,600.00*
	Sub-Total Pos. 18-19. Cell Therapies			*THB 1,180,000.00*
	Total Amount			**THB 4,037,600.00**

Minimal Program B

Minimal Program B: 12 x one-day-clinic-course

One-Day Clinic Treatment Program (Exosome Cells) *1. week – 12. week:*

- Ozone Therapy: 5 x 60µg
- Simultaneous Treatments:
  - Systemic Hyperthermia, incl. O^2 Inhalation
  - VitaminC-Mineral Complex
- Simultaneous Treatments (90 min):
  - NAD 100mg in 100ml NSS
  - Resveratrol 500mg in 250ml NSS
- Simultaneous Treatments (90 min):
  - **Exosome Cell Therapy, slow infusion**
  - Amino Acid Complex
- Simultaneous Treatments (90 min):
  - IV & TC Laser Irradiation IR, RED
    LED Whole Body Irradiation

Maintanance Program

(after Clinic Main Course: 1 month rest, afterward 8 months maintenance, per month 1 treatment day):

- Ozone Therapy: 4 x 60µg
- Simultaneous Treatments:
  - Systemic Hyperthermia, incl. O^2 Inhalation
  - VitaminC-Mineral Complex
- Simultaneous Treatments (90 min):
  - NAD 100mg in 100ml NSS
- Simultaneous Treatments (90 min):
  - **Exosome Cell Therapy, as slow infusion**
  - Amino Acid Complex
- Simultaneous Treatments (90 min):
  - IV & TC Laser Irradiation IR, RED
  - LED Whole Body Irradiation

Treatment Scheme B

<u>Minimal</u> Program 12 x one-day-clinic-course

= 12 regular treatment days + 8 Maintenance treatment days
= total 20 treatment days within 12 months

	1. Month				2. Month				3. Month			
	1. week	2. week	3. week	4. week	5. week	6. week	7. week	8. week	9. week	10. week	11. week	12. week
12 regular treatment days	Day 1	Day 1	Day 1	Day 1	Day 1	Day 1	Day 1	Day 1	Day 1	Day 1	Day 1	Day 1
Exosome Treatment	at the same day 1	at the same day 1	at the same day 1	at the same day 1	at the same day 1	at the same day 1	at the same day 1	at the same day 1	at the same day 1	at the same day 1	at the same day 1	at the same day 1

	Rest 1 month	5. Month	6. Month	7. Month	8. Month	9. Month	10. Month	11. Month	12. Month
8 maintenance treatments		Day 1	Day 1	Day 1	Day 1	Day 1	Day 1	Day 1	Day 1
Exosome Treatment		at the same day 1	at the same day 1	at the same day 1	at the same day 1	at the same day 1	at the same day 1	at the same day 1	at the same day 1

Summary B

<u>Minimal</u> Program 12 x One-day-clinic-main course
= 12 treatment days + 8 Maintenance treatment days,
total = 20 treatment days within 12 months

A) Infusion Therapies

• NAD+(H)	12 x + 8 x Maintenance
• Curcumin	12 x + 8 x Maintenance
• Resveratrol	12 x + 8 x Maintenance

B) Physical Therapies

• Systemic Hyperthermia	12 x + 8 x Maintenance
• Ozone Therapy	12 x + 8 x Maintenance
• Transcutaneous Blood Laser	12 x + 8 x Maintenance
• Intravenous Blood Laser	12 x + 8 x Maintenance
• LED Bed Irradiation	12 x + 8 x Maintenance

C) Cell Therapies

• Exosome Cell Therapy	12 x + 8 x Maintenance

Cost Planning Program B

Minimal Program 12 x one-day-clinic-course = 12 treatment days + 8 Maintenance treatment days
= total 20 treatment days within 12 months

#	Description	Quantity	Single Price in THB	Amount in THB
Infusion Therapies (iv medical plants, pharmaceutical iv's)				
1	NADH & NAD+ (H) 100mg	12	THB 5,500.00	THB 66,000.00
2	NADH & NAD+ (H) 100mg (Maintenance)	8	THB 5,500.00	THB 44,000.00
3	Curcumin Anti-Aging Doses, 300mg (100ml)	12	THB 7,500.00	THB 90,000.00
4	Curcumin Anti-Aging Doses, 300mg (Maintenance)	8	THB 7,500.00	THB 60,000.00
5	Resveratrol, 500mg (50ml)	12	THB 7,500.00	THB 90,000.00
6	Resveratrol, 500mg (50ml) (Maintenance)	8	THB 7,500.00	THB 60,000.00
Physical Therapies				
8	Systemic Hyperthermia	12	THB 7,500.00	THB 90,000.00
9	Systemic Hyperthermia (Maintenance)	8	THB 7,500.00	THB 60,000.00
10	Ozone Therapy	12	THB 4,800.00	THB 57,600.00
11	Ozone Therapy (Maintenance)	8	THB 4,800.00	THB 38,400.00
12	Intravenous Blood Laser	12	THB 5,500.00	THB 66,000.00
13	Intravenous Blood Laser (Maintenance)	8	THB 5,500.00	THB 44,000.00
14	Transcutaneous Blood Laser	12	THB 4,500.00	THB 54,000.00
15	Transcutaneous Blood Laser (Maintenance)	8	THB 4,500.00	THB 36,000.00
16	LED Whole Body Irradiation	12	THB 5,500.00	THB 66,000.00
17	LED Whole Body Irradiation (Maintenance)	8	THB 5,500.00	THB 44,000.00
Cell Therpy				
18	Stem Cell Exosome Therapy *(4 x 100mil MSC = 4 x 160µg Exosomes)*	12	THB 75,000.00	THB 900,000.00
19	*Stem Cell Exosome Therapy (Maintenance)*	8	THB 35,000.00	THB 280,000.00
	Sub Total Pos. 1. - 17. iv and Physical Therapies			*THB 2,146,000.00*
	Sub-Total Pos. 18-19. Cell Therapies			*THB 1,180,000.00*
	Total Amount Pos. 1. - 17.			**THB 3,326,000.00**

Outdoor Program C

(at the living area of the client)

Minimal „Outdoor“ Program C:
1 x 3-day-clinic-course

One-Day Clinic Treatment (incl. Exosome Cells)

1. week Day 1:

- Ozone Therapy: 4 x 60µg
- Simultaneous Treatments:
  - Systemic Hyperthermia, incl. O^2 Inhalation
  - VitaminC-Mineral Complex
- Simultaneous Treatments (90 min):
  - NAD 100mg in 100ml NSS
  - ALA 750mg 100ml NSS
- Simultaneous Treatments (90 min):
  - **Exosome Cell Therapy, as slow infusion**
  - Amino Acid Complex
- Simultaneous Treatments (90 min):
  - IV & TC Laser Irradiation IR, RED
    LED Whole Body Irradiation

Maintanance Program

(after Main Course Clinic Program 1 month rest afterward 8 months maintenance: 1 treatment day per month):

- Ozone Therapy: 4 x 60µg
- Simultaneous Treatments:
  - Systemic Hyperthermia, incl. O^2 Inhalation
  - VitaminC-Mineral Complex
- Simultaneous Treatments (90 min):
  - NAD 100mg in 100ml NSS
- Simultaneous Treatments (90 min):
  - **Exosome Cell Therapy, as slow infusion**
  - Amino Acid Complex
- Simultaneous Treatments (90 min):
  - IV & TC Laser Irradiation IR, RED
  - LED Whole Body Irradiation

Treatment Scheme C

Outdoor Program 1 x 3-day-clinic-course

= 3 regular treatment days
+ 8 Maintenance treatment days
= total 20 treatment days within 12 months

	1. Month				2. Month				3. Month			
	1. week	2. week	3. week	4. week	5. week	6. week	7. week	8. week	9. week	10. week	11. week	12. week
12 regular treatment days	Day 1, 2 , 3	No clinic	No clinic	No clinic	No clinic	No clinic	No clinic	No clinic	No clinic	No clinic	No clinic	No clinic
Exosome Treatment	Day 2	Day 1 Outdoor systemic	Day 1 Outdoor systemic	Day 1 Outdoor systemic	Day 1 Outdoor systemic	Day 1 Outdoor systemic	Day 1 Outdoor systemic	Day 1 Outdoor systemic	Day 1 Outdoor systemic	Day 1 Outdoor systemic	Day 1 Outdoor systemic	Day 1 Outdoor systemic

	Rest 1 month	5. Month	6. Month	7. Month	8. Month	9. Month	10. Month	11. Month	12. Month
		No clinic	No clinic	No clinic	No clinic	No clinic	No clinic	No clinic	No clinic
Outdoor Systemic Exosome Treatment		Day 1 outdoor	Day 1 outdoor	Day 1 outdoor	Day 1 outdoor	Day 1 outdoor	Day 1 outdoor	Day 1 outdoor	Day 1 outdoor

Summary C

<u>Outdoor</u> Program 3-day-clinic-course,
plus 11 Exosome Cell treatment at outdoor home treatments
= 14 treatment days + 8 x Maintenance treatments

A) Infusion Therapies

• NAD+(H)	3 x
• Curcumin	3 x
• Resveratrol	3 x
• EGCG	3 x
• Vitamin-Mineral-Complex	3 x

B) Physical Therapies

• Systemic Hyperthermia	3 x
• Ozone Therapy	3 x
• Transcutaneous Blood Laser	3 x
• Intravenous Blood Laser	3 x
• LED Bed Irradiation	3 x

C) Cell Therapies

• Exosome Cell Therapy	1 x clinic, 11 x outdoor + 8 x Maintenance of Exosome Cells

Cost Planning Program C

Outdoor Program 3-day-clinic-course,
plus 11 Exosome Cell treatment at outdoor home treatments + 8 x Outdoor Maintenance Treatments (Exosomes)

#	Description	Quantity	Single Price in THB		Amount in THB	
Infusion Therapies (iv medical plants, pharmaceutical iv's)						
1	Vitamin C-Mineral-Complex	3	THB	4,500.00	THB	13,500.00
3	NADH & NAD+ (H) 100mg	3	THB	5,500.00	THB	16,500.00
5	Curcumin Anti-Aging Doses, 300mg (100ml)	3	THB	7,500.00	THB	22,500.00
6	Resveratrol, 500mg (50ml)	3	THB	7,500.00	THB	22,500.00
7	EGCG - Epigallocatechin, 500mg (50ml)	3	THB	6,500.00	THB	19,500.00
Physical Therapies						
8	Systemic Hyperthermia	3	THB	7,500.00	THB	22,500.00
9	Ozone Therapy	3	THB	4,800.00	THB	14,400.00
10	Intravenous Blood Laser	3	THB	5,500.00	THB	16,500.00
11	Transcutaneous Blood Laser	3	THB	4,500.00	THB	13,500.00
12	LED Whole Body Irradiation	3	THB	5,500.00	THB	16,500.00
Cell Therpy						
13	Stem Cell Exosome Therapy *(4 x 100mil MSC = 4 x 160µg Exosomes)*	12	THB	75,000.00	THB	900,000.00
14	*(Stem Cell Exosome Therapy Maintenance)*	8	THB	35,000.00	THB	280,000.00
	Sub Total Pos. 1. - 17. iv and Physical Therapies				*THB*	*1,357,900.00*
	Sub-Total Pos. 18-19. Cell Therapies				*THB*	*1,180,000.00*
	Total Amount Pos. 1. - 17.				**THB**	**2,537,900.00**