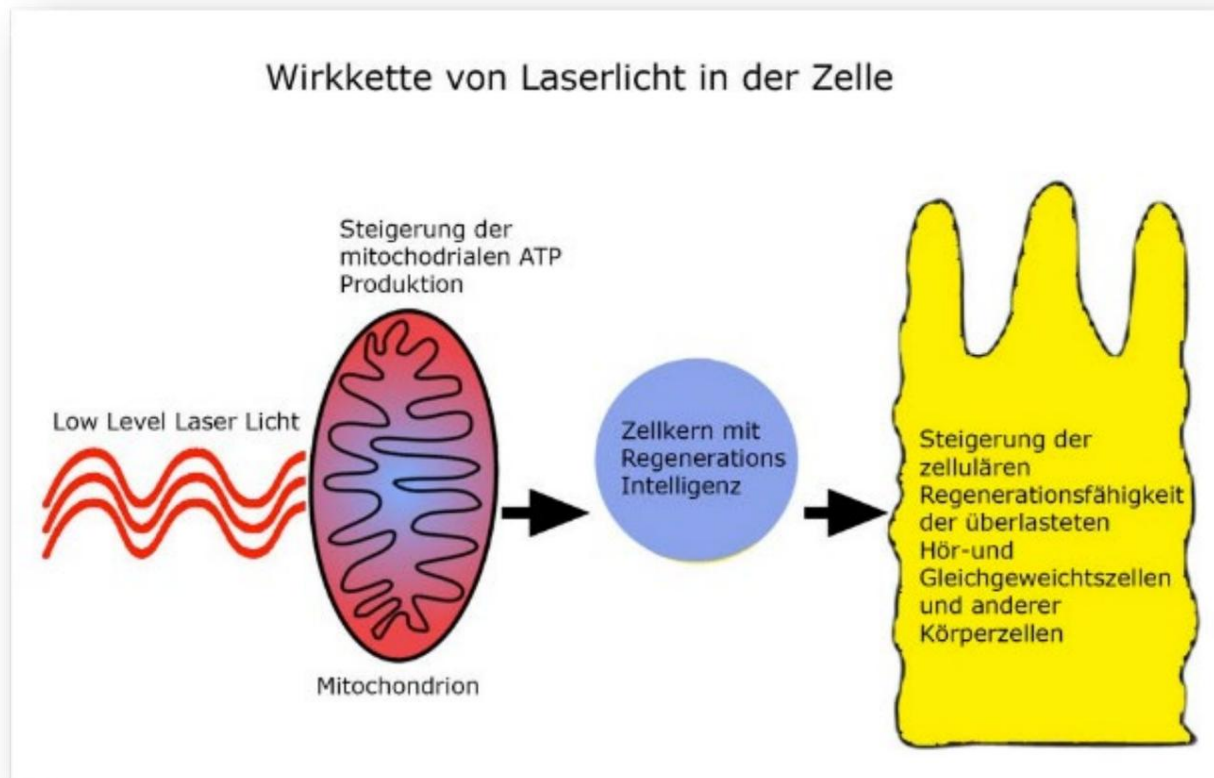


The biological effect of laser light on the ear



Preliminary remark

Many people who observe my work tell me "Don't make it so complicated, tell your patients that your laser works and leave it at that".

In a way, they are right. Very few doctors have to explain their medication to their patients in every detail and, as a rule, their patients take the tablets they prescribe without asking further questions about how they work.

A stable relationship of trust has existed between patient, doctor and pharmacist for generations.

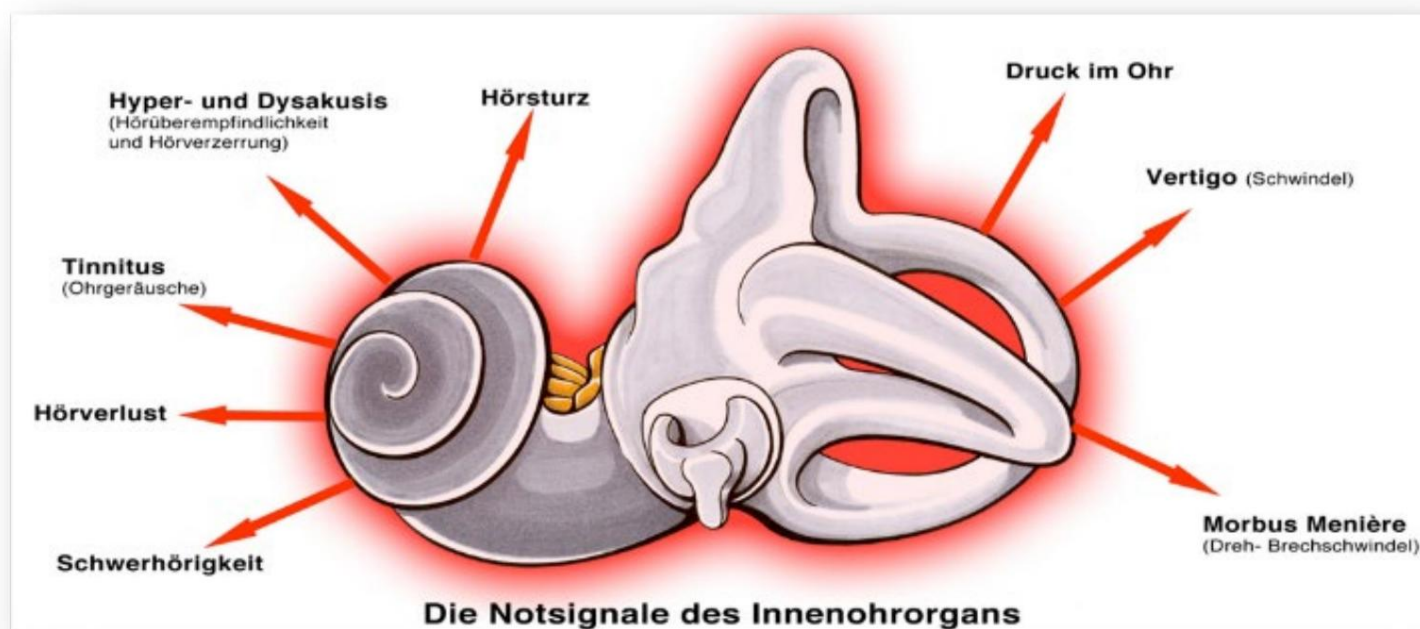
However, this is different when I work with laser light on the ear.

1.) The importance and function of our inner ear as an organ in itself and additionally as the cause of all inner ear overload symptoms is new to most people and does not correspond to the official view and therefore often requires a lot of explanation.

2.) Therapy with light, especially laser light, is completely new for most people and therefore also requires explanation.

Our current ear situation

We live in a time where every day more and more people of all ages are the same, disturbing and tormenting distress signals of their hearing and balance organs suffer.



We are talking about millions of people and the number is growing every day! Ear problems have become a daily occurrence for all of us in all age groups - either you are already affected yourself or you can immediately think of some friends, acquaintances or relatives who suffer from one or more of the inner ear distress signals listed above.

At the same time, more ENT practices, hearing aid shops and cochlear implant centers are opening their doors in our cities every day.

But why no laser therapy centers?

My own medical experiences with Low Level Laser Therapy (LLLT) :

As a general practitioner, I experienced over many years that more and more of my patients suffered from the above symptoms and that the responsible ENT specialists to whom I referred them were just as helpless in the face of the suffering of those affected as I was myself.

By chance, more than 30 years ago, I found the first information about the successful treatment of poorly healing wounds and orthopedic complaints using laser light.

Shortly afterwards, I bought my first laser and used it very intensively, first on myself and then on my patients.

I was able to observe its regenerative effectiveness in many indications better and more clearly from application to application.

I then quickly experienced that the healing effectiveness of laser light also applies to all of the inner ear distress signals mentioned above.

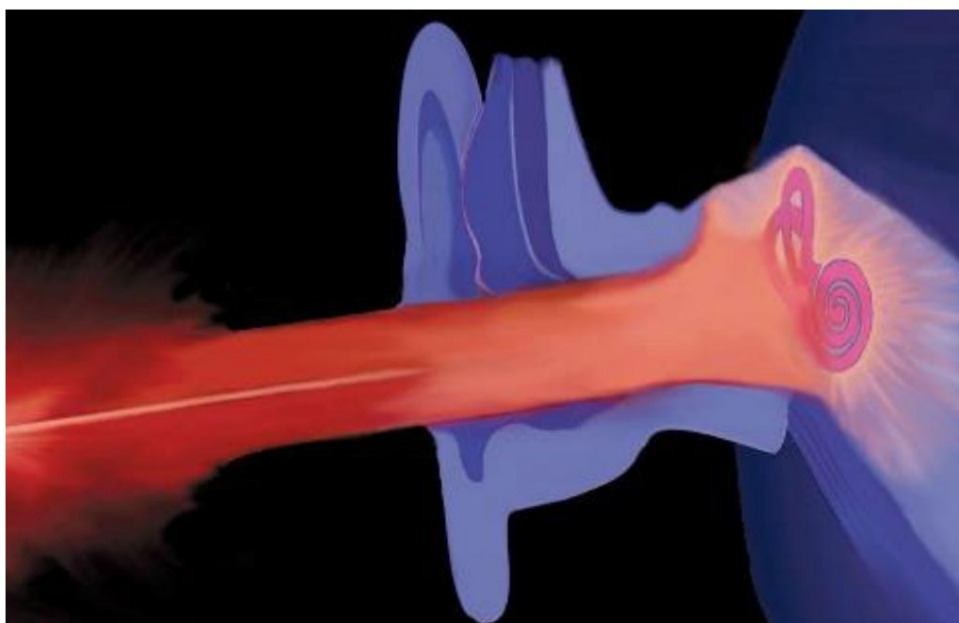


Therapy situation of high-dose LLLT according to Dr. Wilden in practice



**Therapy situation of home therapy with our Dr.Wilden Ear
Laser**

www.drwildenearlaser.com



Computer representation of the inner ear radiation with laser light

Today, after more than 30 years of therapy experience with laser light on the ear, I claim, that the entire global inner ear problem with the combination of a biologically correct education on the design and function and protection of our inner ear laser Already in schools and through free access of the population to organs, professional therapy offers could be almost completely solved.

New Knowledge and Old Dogmas

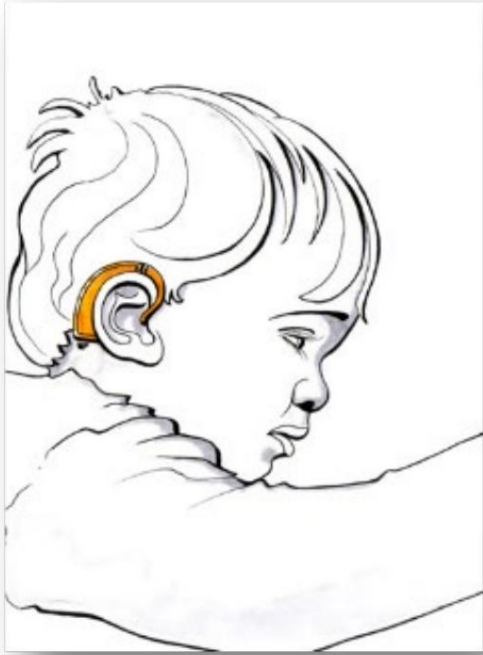
When it comes to the ear, it is about old ENT dogmas about the inner ear, and light therapy is about old biological energy concepts that have so far refused to allow for new knowledge.

The mustiness of a thousand years under the ENT gowns! -

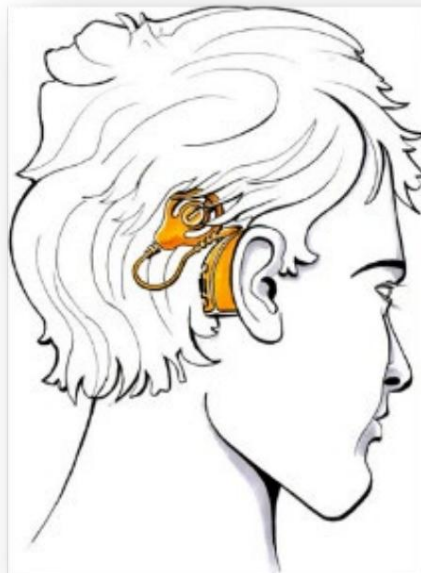


On the ear, these old opinions and dogmas include:

- Our hearing cells cannot regenerate - hearing aids and Cochlear implants are therefore the only way to improve hearing improve !
- All other symptoms that I call inner ear distress signals come According to ENT dogma, not from the inner ear organ itself but its origin is diverse, mysterious and will always remain diverse, mysterious and untreatable.
- " "You have to learn to live with it," is something that those affected often hear.
- It is claimed that hearing aids are medically completely unproblematic and can therefore be advertised freely and without any restrictions in all media and should be used by young and old as early and as often as possible.
- The sound amplification produced by hearing aids in a sound or other harmful influences already exhausted inner ear and the resulting resulting further increase in hearing loss and all other inner ear Distress signals are ignored and not discussed.
- A connection between increased hearing aid prescriptions and the steeply rising number of cochlear implantations worldwide (= the irreversible, surgical removal of the hearing cells and their replacement by an implant), especially in children, is also not taken into account and is also not discussed.



child with hearing aid



adolescent with cochlear implant (CI)

The mustiness of a thousand years under the biology gowns!



The following still applies to light therapy:

- Light has, except for vitamin D production and tanning in humans and animals no biological and therefore no therapeutic significance.
- The general opinion is that light (the part of cosmic electromagnetic radiation visible „ to us humans) somehow does not "enter" our bodies and, if it does, then it does not have any biologically relevant effect in our bodies.

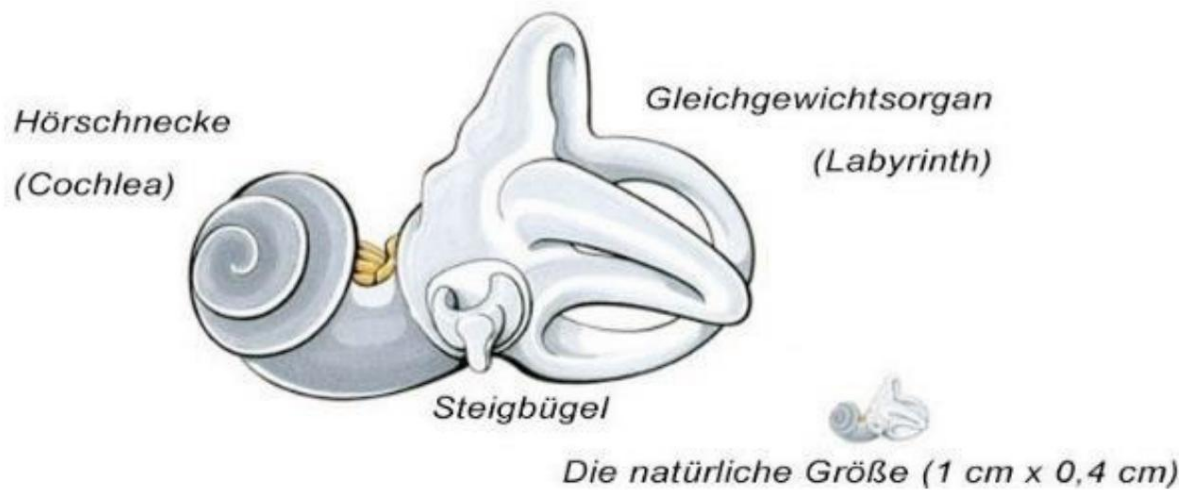
The new knowledge about the ear

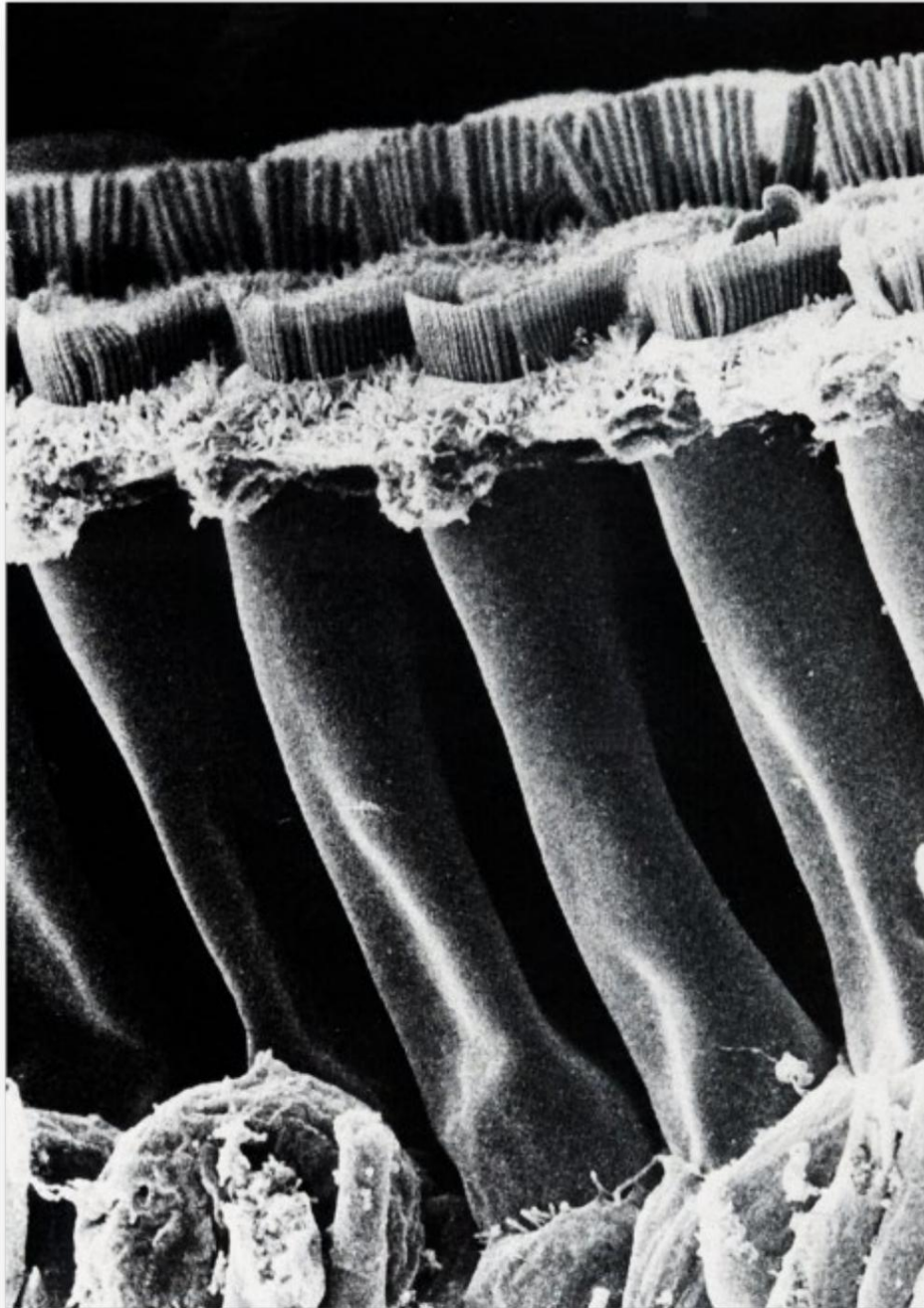


Our inner ear organs are wonderful and worth protecting sensory organs which can only be achieved through a biologically / medically correct explanation of their design and function and the resulting strategy for protection against acoustic overload.

Be able to stay healthy throughout your life.

Our inner ear

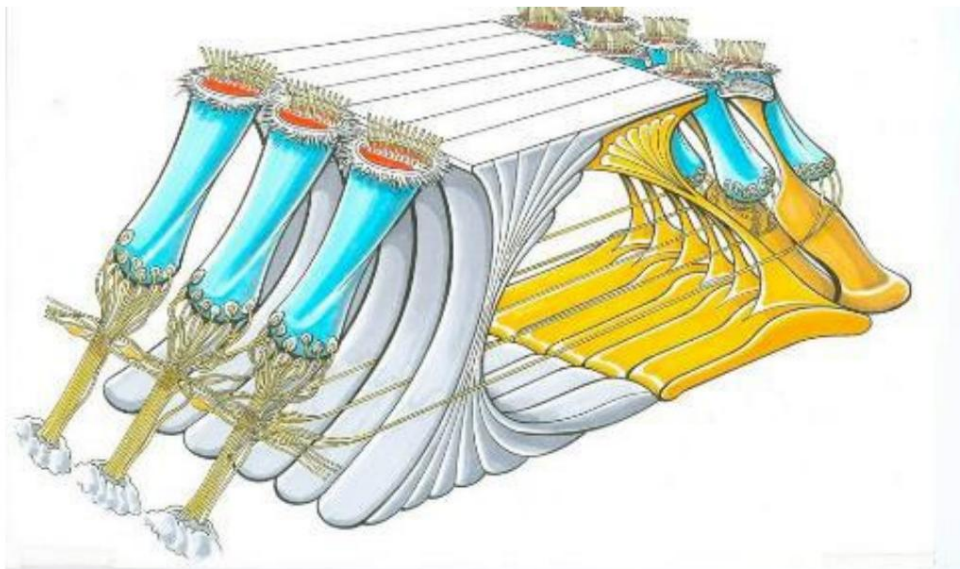




Electron microscopic image of healthy hearing cells



Zoom on the so-called sensory hairs of our hearing cells



**Graphic representation of a section of the so-called organ of Corti
(= the total of all 25,000 auditory cells)**

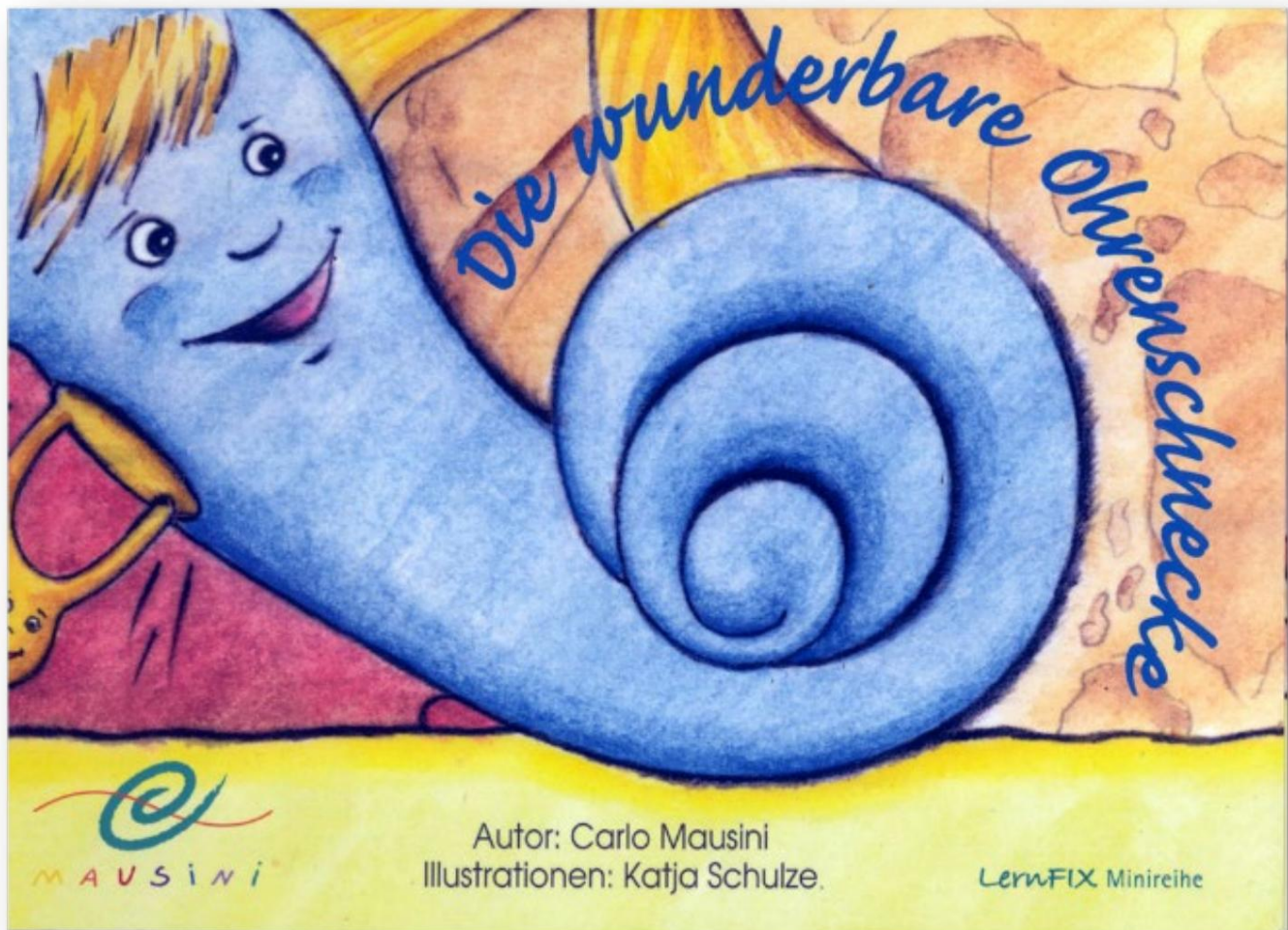
Our hearing and balance cells have the strongest individual regenerative power of all body cells!

I have my book

" Save Your Ears"



and as a medical consultant on the picture book for children "The wonderful ear snail".



Both publications are the only information publications on the ear worldwide.

And this despite billions in revenue being generated annually by the ear monopoly through the exploitation of our ears and those of our children.

The new knowledge on therapy with light

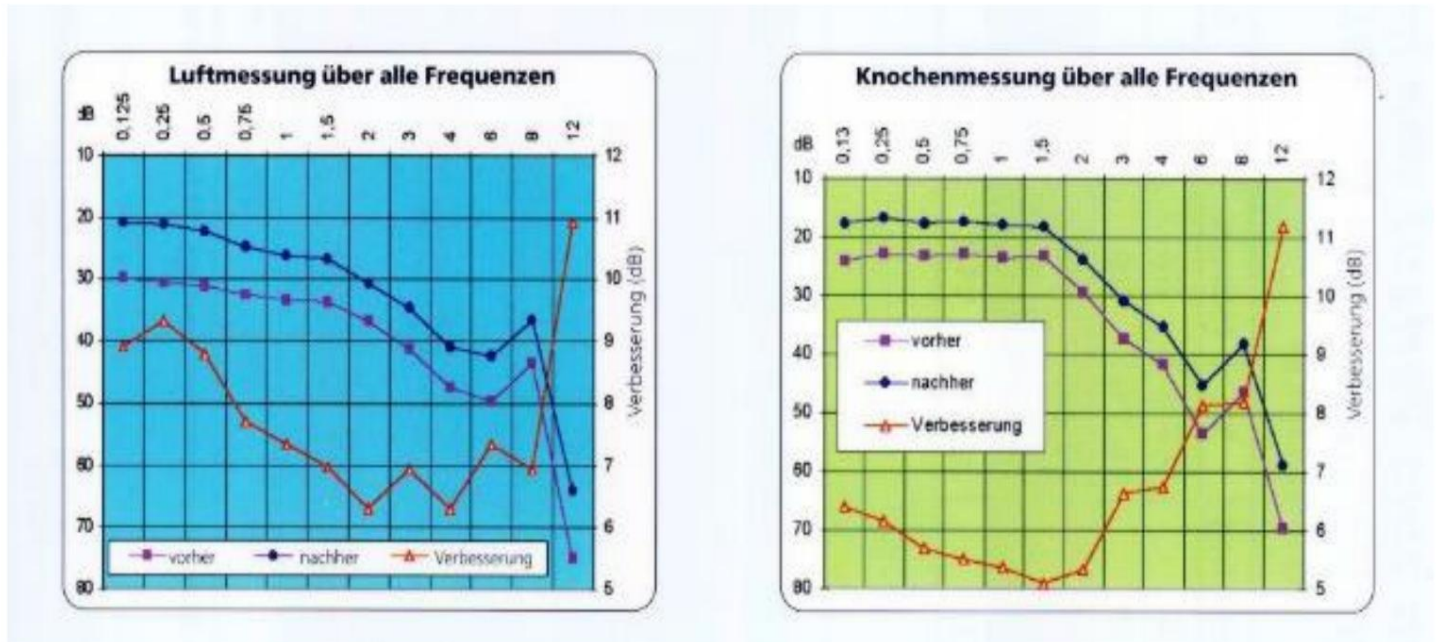


Laser Therapy (LLLT) radiates light energy into overwhelmed and suffering body cells.

As a result of this irradiation of light into the body, every person who owns a good quality biostimulatory laser or receives high quality laser light in a practice can experience a clearly perceptible and clearly measurable improvement in the body cells irradiated with light.

During wound healing, this is visible to the eye and measurable with a ruler

At the ear, radiation of our inner ear organs (our hearing and Balance cells) with light energy leads to a very quickly noticeable and after a few days of therapy clearly measurable improvement in hearing as well as a steady improvement in all other inner ear emergency signals.



Average hearing improvements after 5-10 days of therapy in my practice and / or after 6-8 weeks of home therapy with our

Dr. Wilden Ear Laser

Laser therapy is a therapy with light energy

In the world of engineering and technology, light energy has been used to generate electrical energy for many years.



But what does the term “energy” mean for the biology of our body – that is, our cells?

Why should light energy be technically usable but not biologically usable?

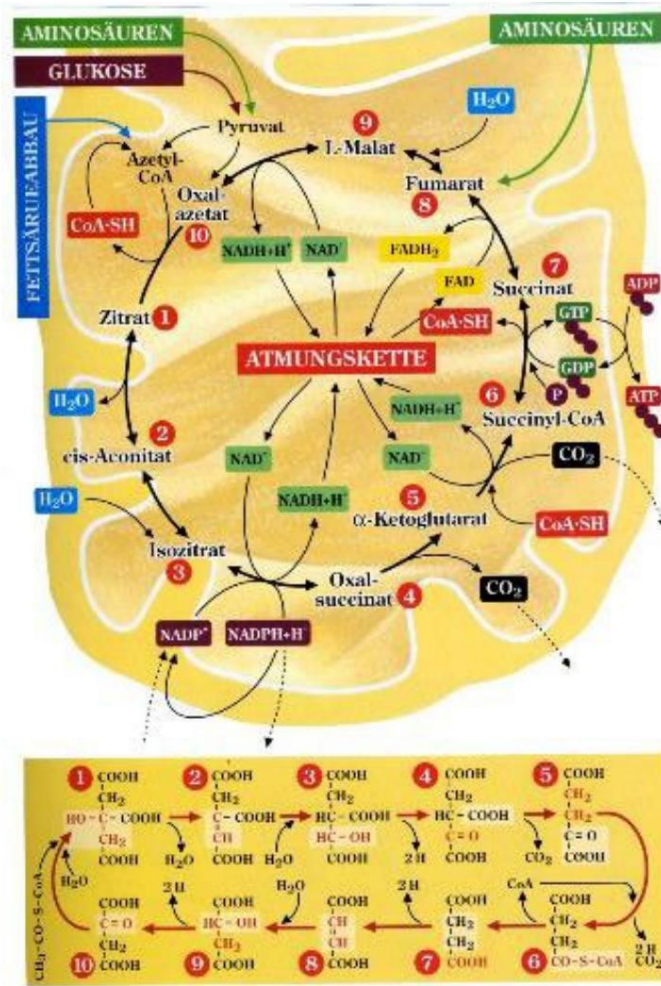
And why do doctors and biologists in particular find it so difficult to imagine that light can have a biological effect, despite the excellent clinical results of Low Level Laser Therapy (LLL)?

I suspect that this is due to the previously valid energy concepts within basic biological science.

The Old Energy Concept in Biology



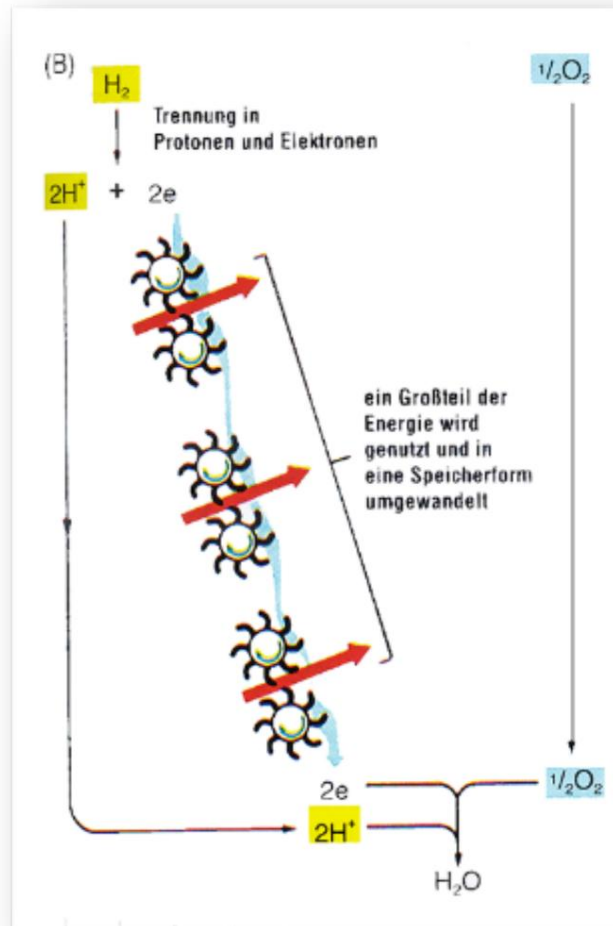
The current biological concept of energy in relation to the energy that is effective in our body cells is that of tiny energy packets or particles that flow or are passed on from one molecule to another.



Old idea of the energy effective in our body cells

This is clearly a mass concept of energy.

The energy is to be transferred in the form of particles (electrons) from molecule to molecule passed on and the molecular structures involved, the so-called electron carriers, are then supposed to capture and pass on this energy.



Hydrodynamic energy concept in official university biology.

Electromagnetic interactions do not exist in this energy concept.

The main biological dogma is:

" Our cells cannot use electromagnetic energy in principle but must be converted into a form that can be used by the cell in a multi-stage process."

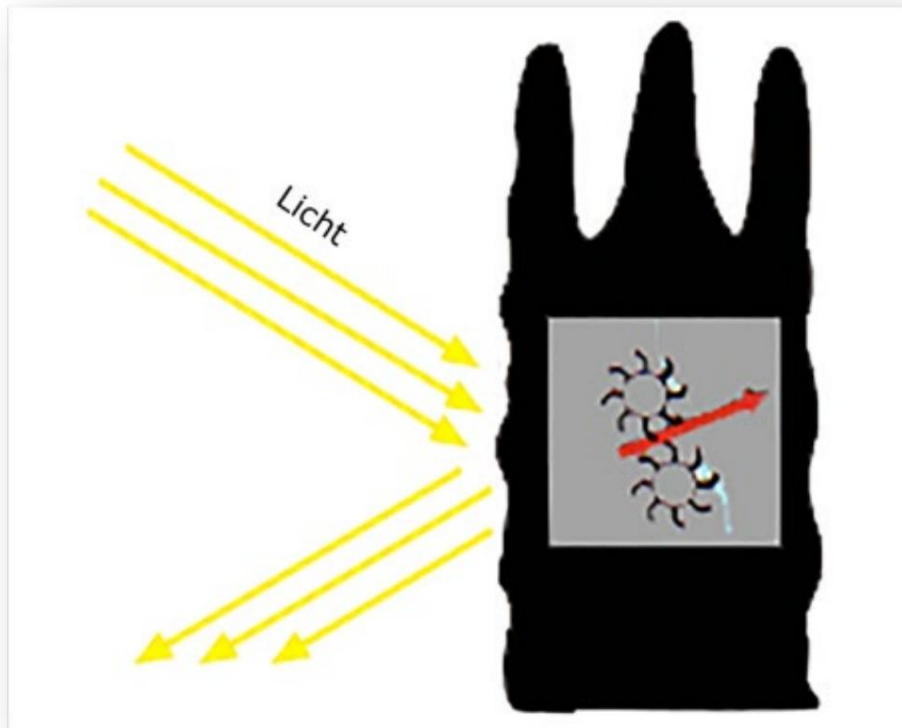
According to this energy concept, there must be a mechanism in our body cells that converts the electromagnetic energy present and interacting everywhere in the universe into a somehow mass-like converts energy.

This applies both to electromagnetic energy which acts on the cell from the outside as natural solar radiation or from the inside as electromagnetic binding energy which is present within the cell.

A scientific justification or even proof for this alleged transformation electromagnetic energy into a liquid or particle energy still exists today not.

However, the adherence of our biological science to a mass-like energy in our cells, our body image very decisive.

We experience ourselves biologically as beings cut off from the light and can our cells (in our body) cannot imagine any light processes.



The old biological view assumes that our cells are dark or black on the inside and somehow impermeable to light and produce their energy in a somewhat hydrodynamic way.

The old biological energy concepts see the cell as a space in the universe which is isolated from any electromagnetic energy affecting it.

Consequently, we also experience our entire body, which is made up of cells is separated from the light.

As I experience it, we are, almost all of us, including the majority of our doctors and Biologists also believe that this outdated energy concept in our own bodies Perception is very deeply influenced.

This perception of one's own body as separated from light then flows seamlessly into the general uncertainty regarding the therapeutic benefits of light in general and of low-level laser light in particular.

This is one of the reasons why people in general find it difficult to perceive light as biologically and therefore medically efficient and why it is in our There are still no laser therapy centers in cities.

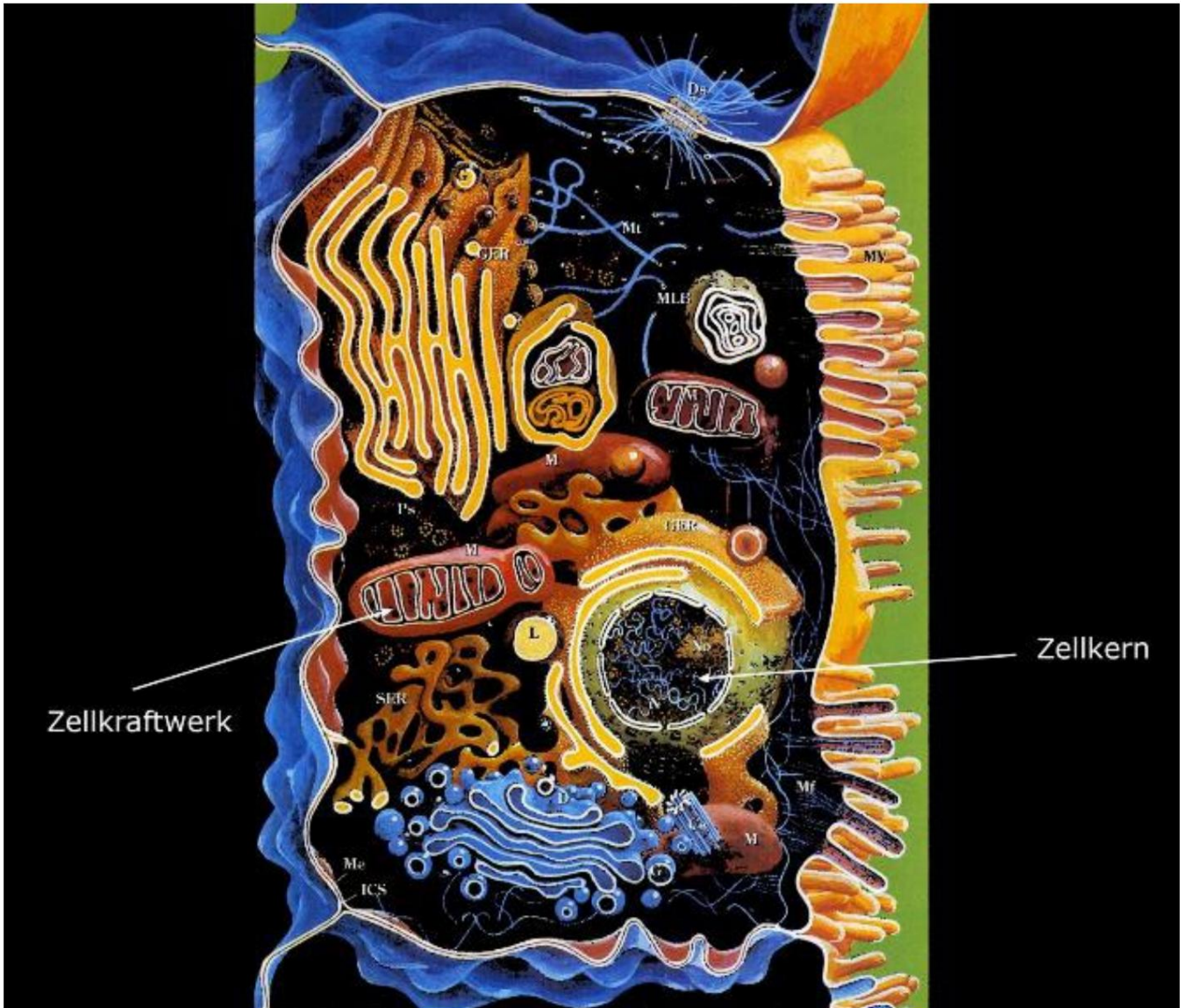
The new knowledge about the energy active in our body cells



If we replace the old biological mass concept of the energy that is effective in our cells with the physically correct definition of this energy as electromagnetic binding energies, which are clearly defined by their wavelengths and the respective absorption behavior of the corresponding molecular structures, we can well understand the biotechnology of our cell power plants and thus our cellular energy production and use it therapeutically.

Our cell power plants function like solar power plants

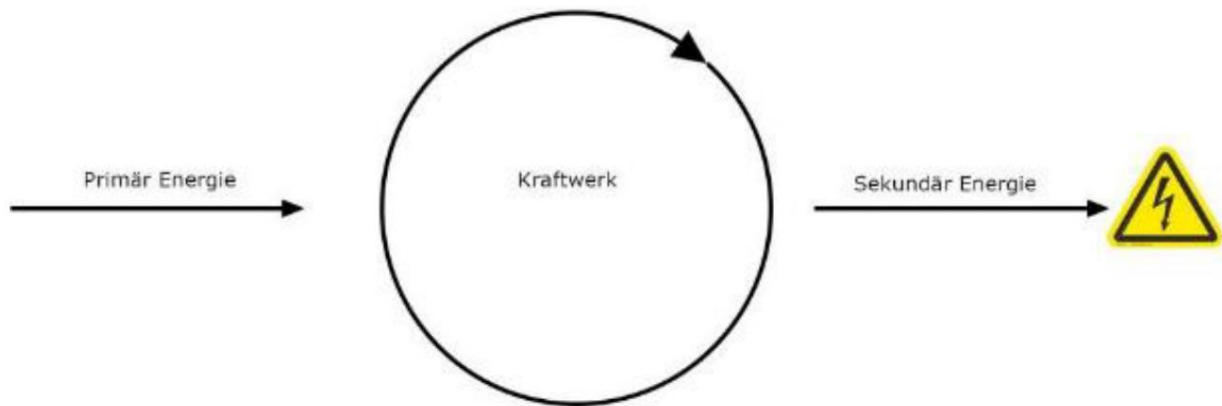
All cells require and have cell power plants (mitochondria) to produce the cell fuel ATP.



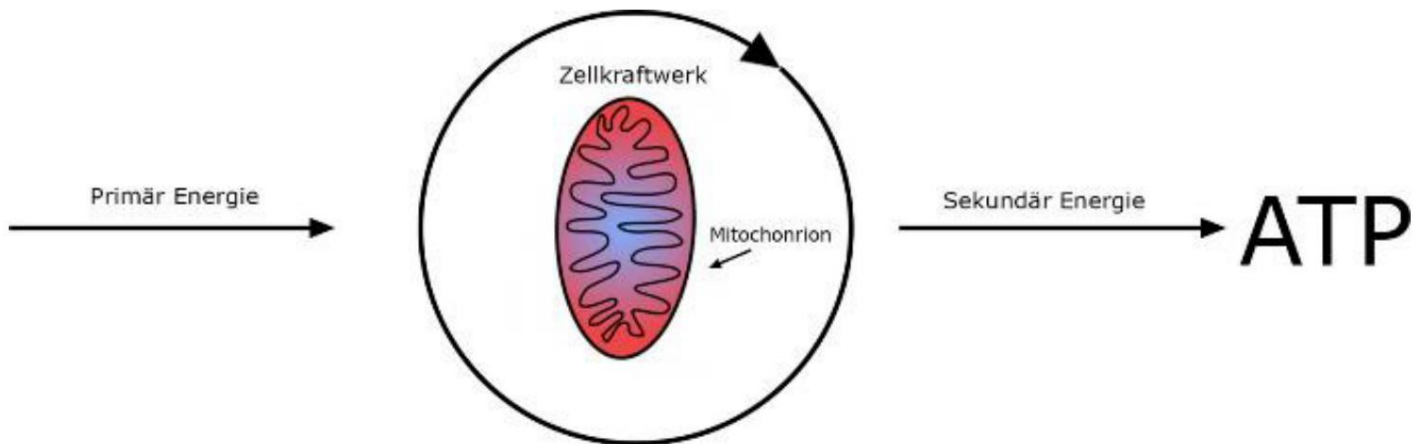
Cell cross-section showing the cell organs

Our mitochondria function according to the same power plant principle as all of our technical power plants.

In the world of technology, the secondary energy of our power plants is always electricity:



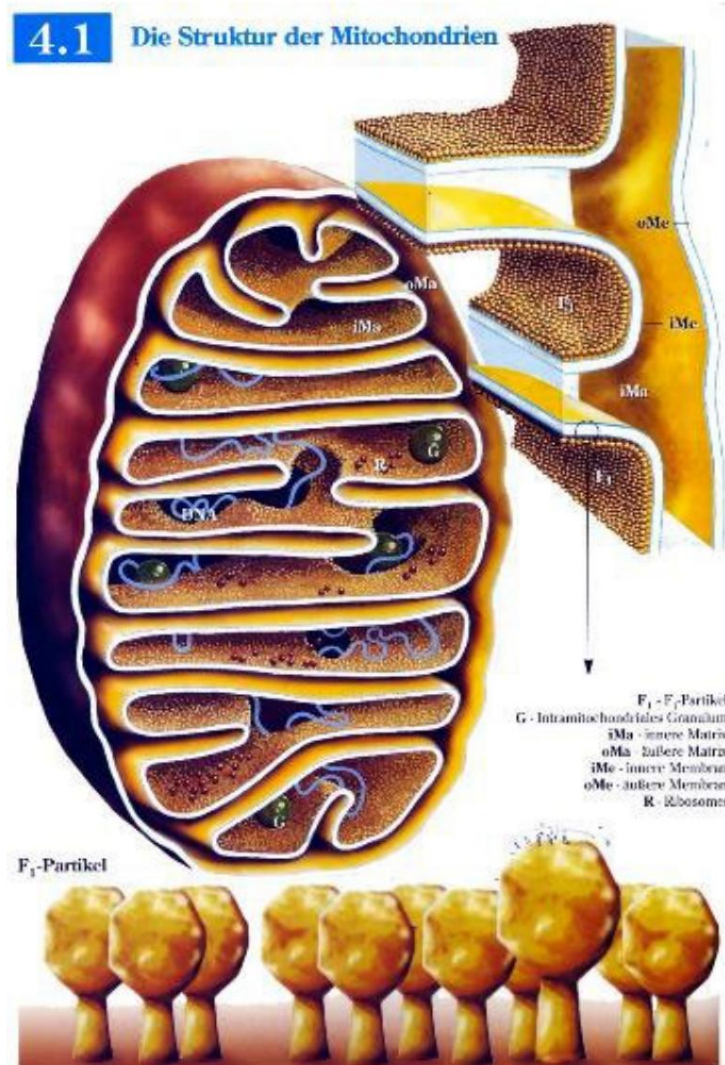
In the mitochondrion, the secondary energy is always adenosine triphosphate (ATP)



In our technical power plants, the respective construction and functionality is determined by the respective primary energy.

A wind turbine looks like a wind turbine because its primary energy is wind. A hydroelectric power plant looks like it looks because its primary energy is water and a solar power plant looks like it looks because its primary energy is light (electromagnetic radiation).

If we follow the old biological energy concept of a kind of liquid energy flowing into the mitochondrion, our cell power plants would have to look like water wheels or turbines. In reality, however, they have the same structural feature as a solar power plant, the surface principle.



Cross-section of our cell power plant

Our cell power plant is physically open to light energy coming from outside the cell comes

As already mentioned, our cell power plant has as its essential architectural feature a large folded surface on which there are many small knobs (= principle of surface enlargement).

On these nubs, in turn, sit countless numbers of the same molecular structure, which is called the respiratory chain.

This in turn consists of over 20 molecular structures, the so-called Electron carriers, which can be called antenna pigments and all have an absorption spectrum that lies in the wavelength range of visible light and near infrared electromagnetic radiation.

The interactions of wavelengths and the corresponding absorption behavior of the molecular structures that make up the respiratory chains are, in contrast to the old energy concept, physically and clearly defined via wavelength and absorption behavior.

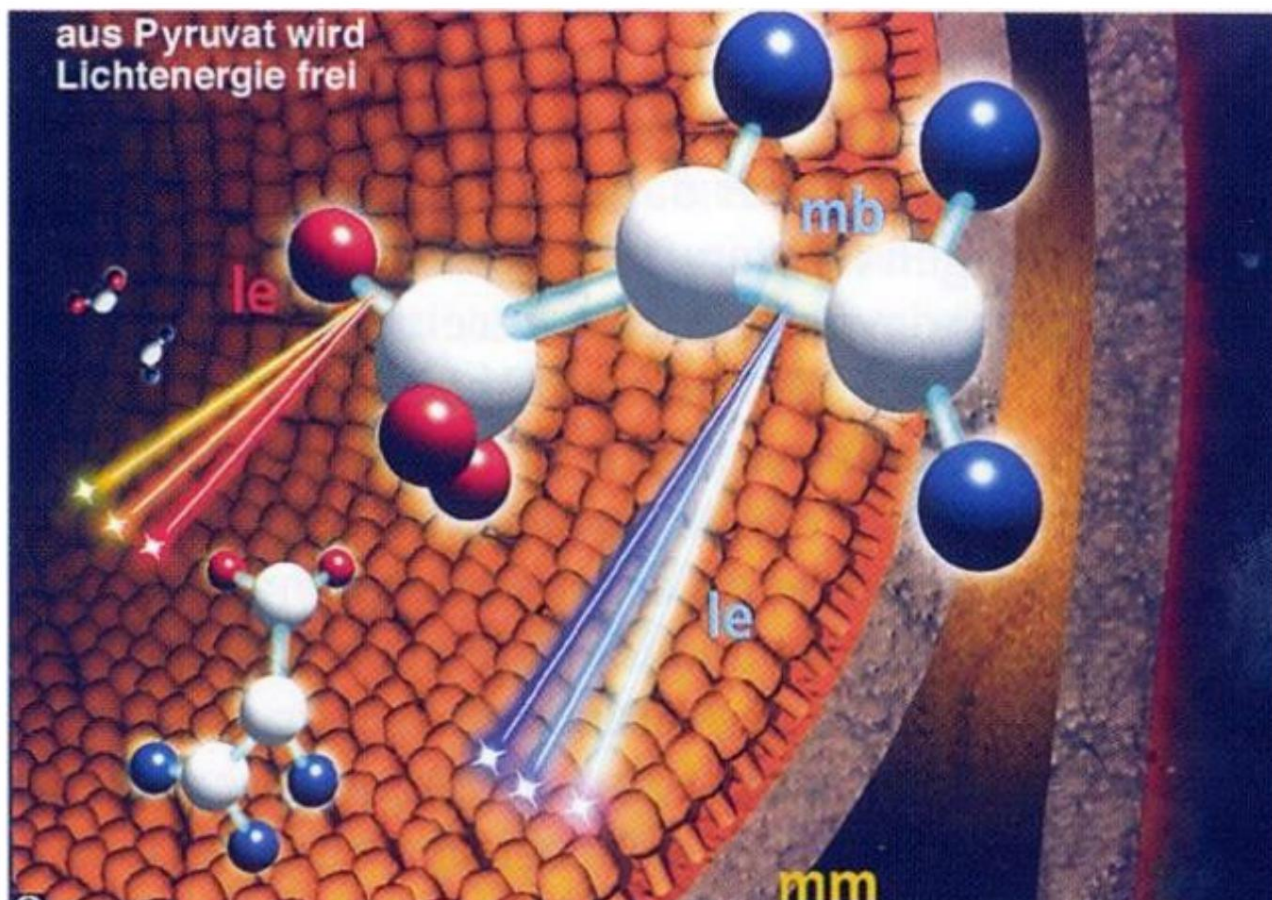
Our mitochondria are therefore physically open to the electromagnetic Light energy that radiates from outside.

Our cell power plant is also physically open to light energy which comes from within the cell comes

However, our cell power plant is not only physically open to the light energy that radiates into the mitochondrion from outside, but also to the light energy that radiates into the mitochondrion from inside the cell.

This light comes from the electromagnetic molecular binding energies that are released during mitochondrial energy transfer at the moment when the last molecular building block of our nutrients, pyruvate, breaks down into carbon dioxide and water immediately in front of the inner mitochondrial membrane.

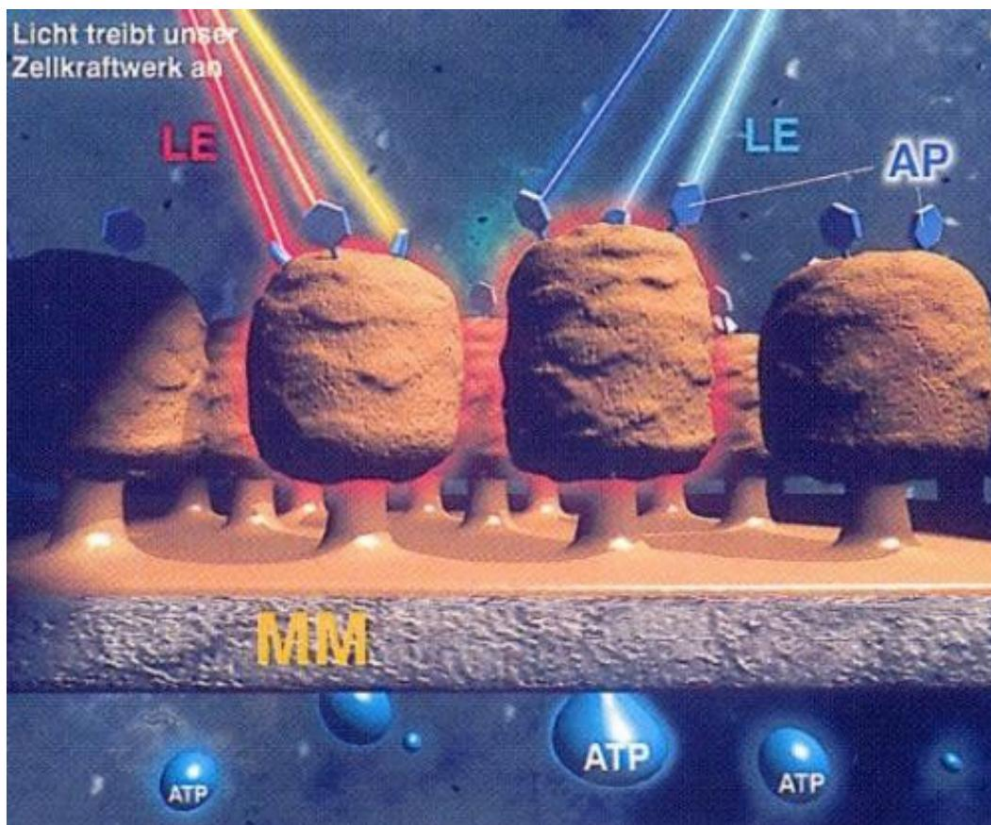
The electromagnetic energy released lies exactly in the wavelength range of solar radiation and as such, just like the light from outside, is absorbed by the corresponding molecular structures on the side of the so-called respiratory chain and used as primary energy for mitochondrial ATP production.



The primary energy of all cellular power plants is light, since the molecular binding energies released from the last building block of our nutrients (pyruvate) are of an electromagnetic nature and lie in the wavelength range of visible light.

The energy-absorbing structure in our cellular power plant is a large folded surface, the so-called inner mitochondrial membrane.

Thousands of molecular structures are located on this (the so-called respiratory chains) whose absorption spectrum corresponds to the wavelength range of all visible light.

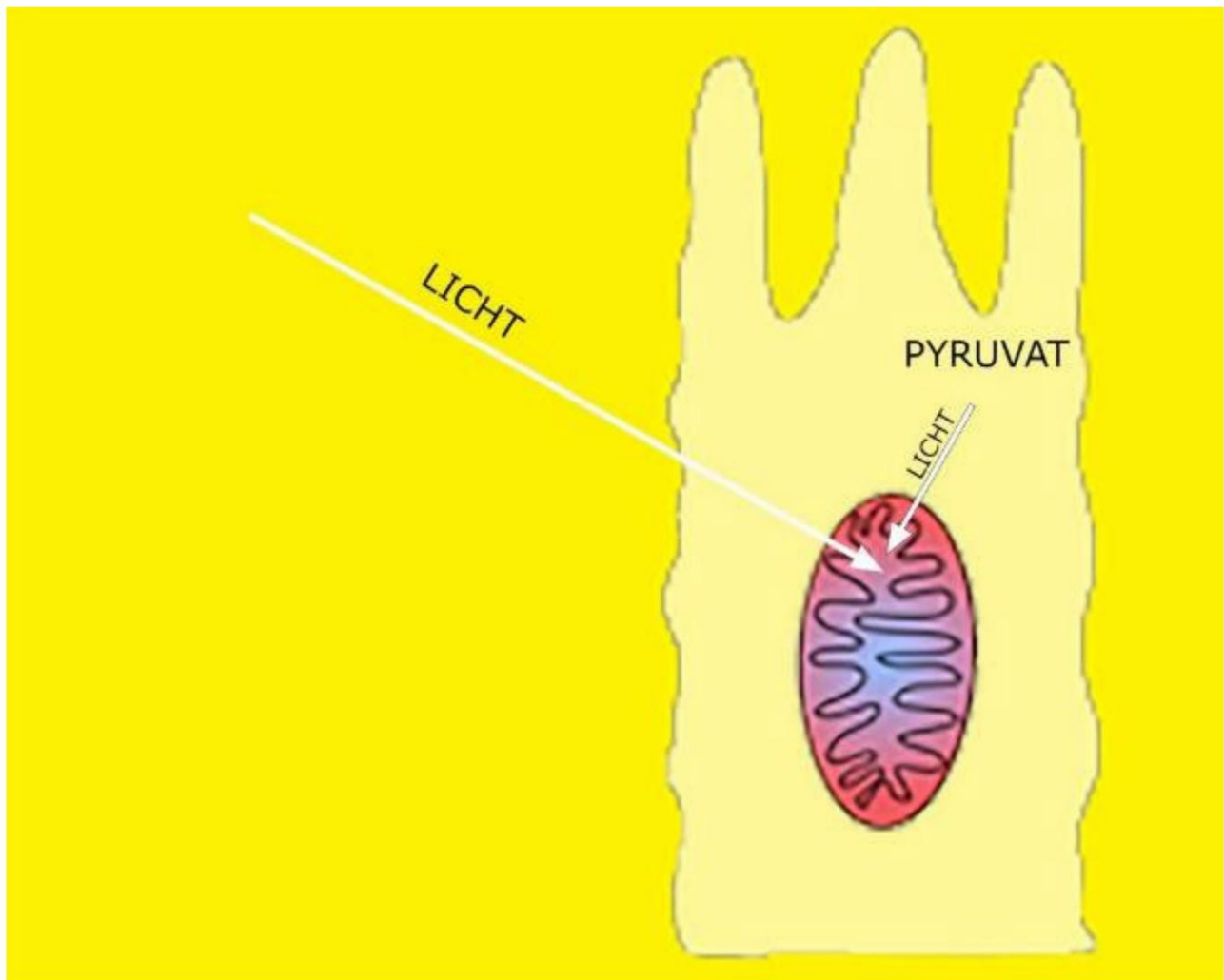


The construction and functionality of our cell power plants therefore corresponds to the photovoltaic principle: a surface which is always equipped with the same light-absorbing structures.

One could call this bio photovoltaics.

Our mitochondria use both the light coming from within (= the released electromagnetic binding energies of our nutrients) as primary energy, as well as the light coming from outside (= the natural electromagnetic solar radiation) for cellular energy (ATP) production.

This explains the generally recognized (but previously inexplicable within the framework of old energy concepts) biostimulatory effect of natural solar radiation on humans and animals.



Our cell power plants use light from outside (= natural solar radiation) and light from inside (= the electromagnetic binding energies released from the last building block of our nutrients, pyruvate) as primary energy.

The absolutely necessary and physically correct definition of the energy acting between the molecular structures in our cells as electromagnetic energy (= the wave aspect of the electron) and not, as previously, as liquid or particulate

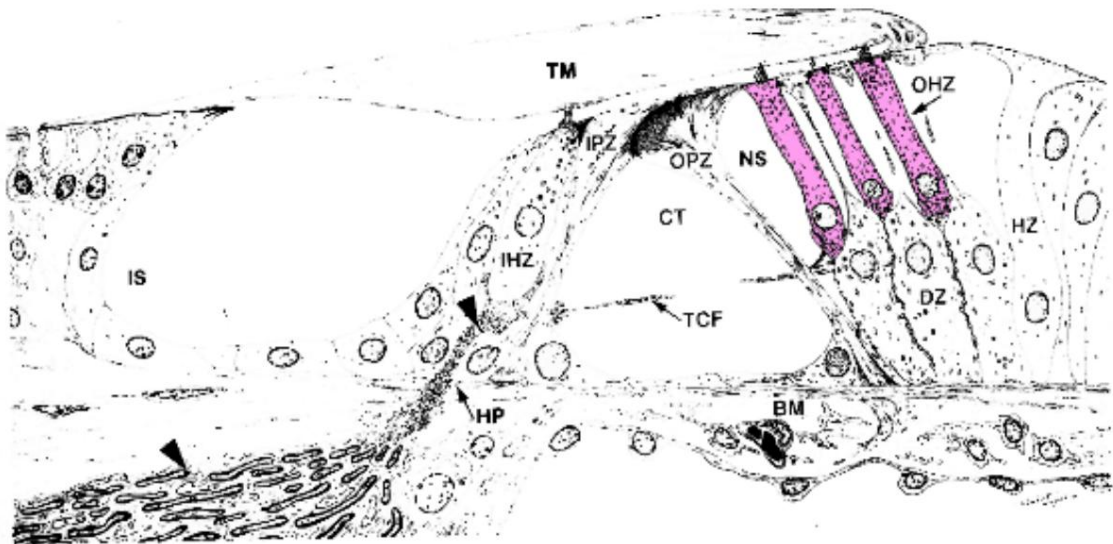
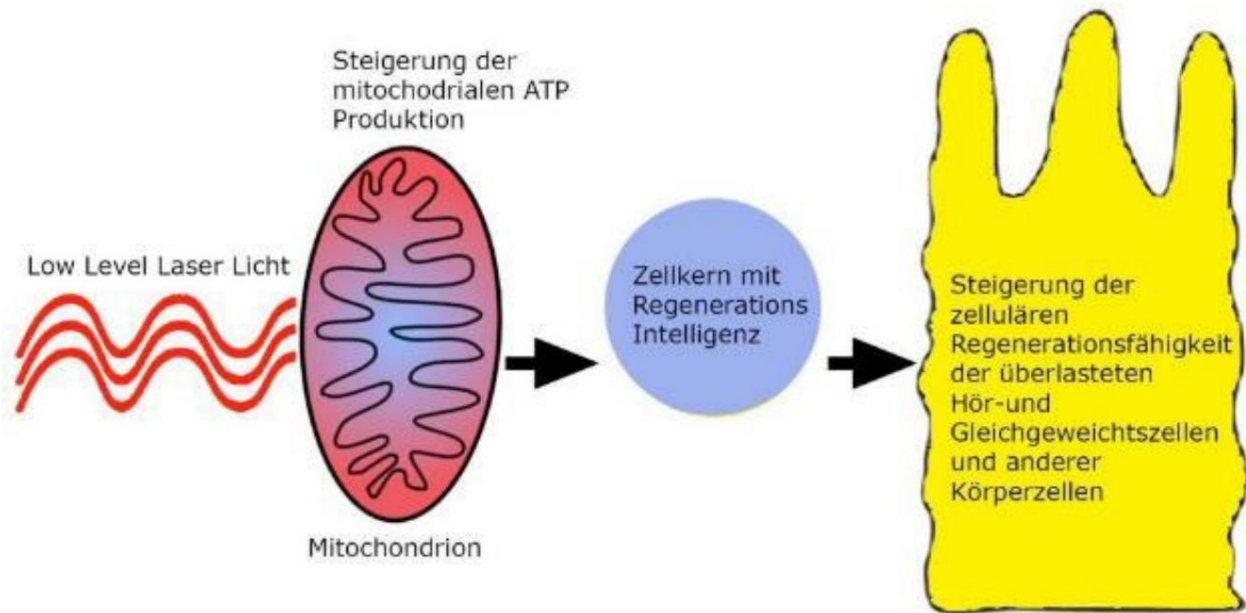
Energy also explains the excellent clinical therapy results of low-level laser therapy (photobiomodulation).



Laser light radiates condensed light energy into the cells and there into the mitochondria and increases the mitochondrial cellular energy production of all body cells.

This allows every weakened and overwhelmed cell to better develop its regenerative intelligence and more efficiently than it can without laser light.

Wirkkette von Laserlicht in der Zelle



Our hearing and balance cells (marked in color) have about 3 times more mitochondria (black dots in the cells) than all other body cells.

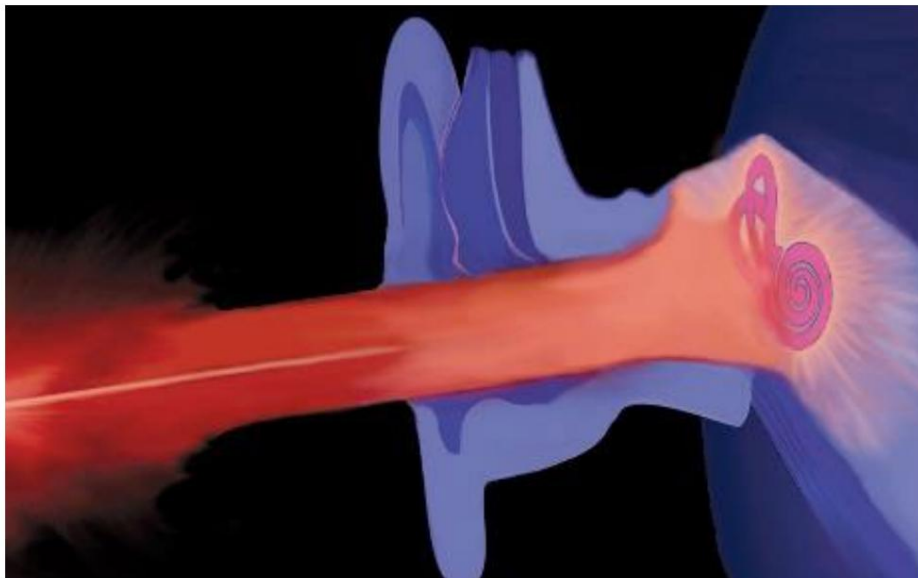
This explains their naturally high biological resilience and regenerative power as well as their good and rapid response to medical laser light irradiation.



But the ultimately decisive factor, dear reader, is you.

Because outdated opinions always change when more and more people are willing to question their own old views and are also willing to question and apply the new knowledge critically but also curiously.

This text and my entire, more than 30 years of experience in Dealing with our general ear problems and the biological healing power of Laser light on the ear encourage.



Laser light energy is a blessing for all ears