

VERSION 201108227

# **ONDAMED®**

**A METHOD DESIGNED FOR YOU TO SUCCEED  
WITH YOUR PATIENT**

**WOLF-DIETER KESSLER MD, PhD**



**Wolf-Dieter Kessler**

*It feels so deeply a part of my “destiny” to have become aware of the revolutionary work of energy medicine and the central role of the ONDAMED system in the area of biotechnology and treating illness at its origin rather than symptomatically . I feel blessed and honored as I approach formal association with your wonderful organization and evident shared value of service and devotion to healing and wellbeing through state-of-the-art bio-technological assessment, diagnosis, and interventions with precision and cost-effectiveness in authentically +proving “excellence” in healthcare.*

*With gratitude and kind regards,*

**Michael J. Perkins Ph.D.**

Licensed Clinical Psychologist  
Transformational Coach  
Suite 207, 1709 Colley Avenue  
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*Very weak electromagnetic fields at the appropriate frequencies can be as effective, or even better, than other approaches for reducing inflammation, counteracting diseases, and enhancing longevity. The mechanism involves resonance, the process by which a field of a particular frequency or wavelength can transfer vibrational energy to an object.*

*Clinical applications of electromagnetic resonance have the advantage that they can act at a distance using tiny fields that excite or energize natural processes taking place deep within the body.*

**JAMES OSCHMAN, PhD**

*Quantum physics discovered that physical atoms are made up of vortices of energy that are constantly spinning and vibrating: each atom is like a wobbly spinning top that radiates energy. Because each atom has its own specific energy signature (wobble), assemblies of atoms (molecules) collectively radiate their own identifying energy patterns. So every material structure in the universe, including you and me, radiates a unique energy signature.*

**BRUCE H. LIPTON, PhD**  
THE BIOLOGY OF BELIEF

simplify, simplify, simplify

~Henry David Thoreau (1817 –1862)~

## ACKNOWLEDGEMENTS

I am grateful to numerous people over decades and years who have supported my vision of healing options. I am deeply thankful to my wife, Antje, who has helped lay the foundation for our clinic as an expert in electro acupuncture and as an instructor in Kinesiology. I am equally indebted to Karin van Huelsen, ND, our medical director since 1986 for her continuous competence to make biophysical high-tech medicine possible for countless patients. Respect and admiration to my long time friend and mentor in physics J.B. Sharma, PhD, professor of physics in Gainesville, Georgia, who was acting like the photon in photosynthesis getting my chemistry started through his knowledge in physics. I feel extremely gifted by the resonance I was - and still am - enjoying with James Oschman, PhD who is a true teacher by catalysing creative thoughts through his vast works in Energy Medicine. His books and publications, as well as our many encounters on conventions both in Europe and the US have given me structure. I am grateful for the honour to have found a teacher and listener in Valery Hunt, PhD. I extend my sincerest appreciation to Peter Fraser, Harry Massey, and Joan Parisi Wilcox for their thorough studies of the quantum world and sharing this with so many people worldwide through their book: Decoding the Human Body Field. I thank Joyce Cary for her visionary talent. Thanks to the numerous patients over almost four decades of my practising medicine for their trust and loyalty. However, if there were no Rolf and Silvia Binder, I would have never developed the courage to take up with ONDAMED, the most fascinating complementary medical tool of our time.



From right: Antje Kessler, Karin van Huelsen ND, Wolf-Dieter Kessler

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**INTERNATIONAL AMERICAN ACADEMY OF ANTI AGING , LAS  
VEGAS, VENETIAN HOTEL, DECEMBER 12-15, 2007**

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**INTERNATIONAL ONDAMED SYMPOSIUM  
MARIOTT HOTEL, BROOKLYN, NEW YORK  
OCTOBER 2006**

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**Dr.Kessler lecturing on the A4M Convention , Mainz, Germany, 2009, Main Session**

## **WHAT CAN ONDAMED DO?**

ONDAMED can treat diseases effectively and without side effects. It can repair tissues. The fastest way to fathom the power of this healing method is observing the awesome recovery of patients with severe osteoporosis. They become pain free within a week's treatment.

Whenever you will find yourself in need for healing options either as a patient or a therapist, you cannot bypass ONDAMED. The system is irreplaceable by any other method. As to my knowledge, there is no other medical concept capable to render instant information on two crucial questions: first, what is the individual structure and interconnectedness of the health disorder, and second, how and what has to be treated. Thus it may be necessary to treat the liver field on a patient with a retina problem, or the bladder in case of an inner ear dysfunction, e.g. the cochlea.

Furthermore, if you even intend to adopt preventative steps for identifying and treatment irreparable conditions in time, you will gladly invest some minutes of your time to find out, how that is possible.

As aviation has become the safest modality for transportation because of preventative paradigms and maintenance concepts, ONDAMED is an innovative tool both for Anti - Aging and Wellness.

Clinical medicine is aiming mainly at symptoms and objective data. Objective data are mostly morphological alterations in cells, tissues, and organs. Armed with those morphologically oriented diagnostic tools chronic diseases often cannot be identified until their finals. Then, in many cases pathological alteration has progressed so far, that clinical medicine will be left with palliative procedures and rarely a healing option. (Professor G. Heim; University of Heidelberg, Germany).

Based on these facts, to date conventional diagnostics often lack early detection of chronic diseases. Thus early detection becomes a domain of regulatory medicine. ONDAMED can do both: detect minute regulatory dysfunctions in their initial states and correct them.

## THE BASICS OF ONDAMED

ONDAMED is based on the facts of physics, quantum physics, nuclear magnetic resonance of hydrogen atoms, and quantum electro-dynamic information (QED) between electrons in particular, not chemistry. The lacking of information flow between organs and between tissues can be restored by QED.

This is done by induction. Specific frequencies, individually matching with each patient's problem render photons of specific wave spectra, irreplaceable for tissue repair. ONDAMED creates information by matching waves (electrons) which act as coupled oscillators with a permittivity (dielectric constant) individually adjusted to each medical tissue (see below).

ONDAMED is unique. It can find distorted or blocked fields of the body suffering from information deficit. They host impaired life functions. There, cellular and tissue repair will be poor if not impossible. These foci of inflammation play an eminent role in disease. Any attempt to heal will be responded by frustration or will be of marginal result if these foci cannot be identified and corrected. This problem had been recognized and debated by physicians over decades. There were numerous attempts in the past to find them and to clean them up (Issels, Türk, Herget, Schimmel, Heim, Nogier). To my knowledge Nogier was the only physician who could identify such foci by means of a polarizing filter. His method is standardized. However, simple and effective therapeutic response was lacking. You may compare those areas with an auto pilot without a program. Such a unit without coordinates cannot fly anywhere.

## THE ESSENCE OF ONDAMED

Three fundamental principles of physics are at the core here; the photon, the hydrogen atom, and the electron.

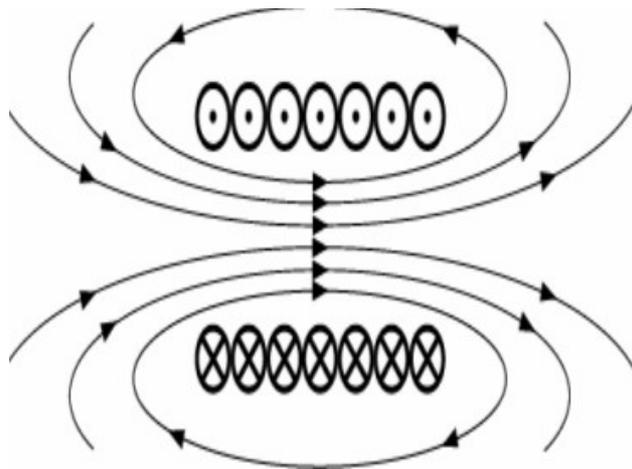
ONDAMED takes advantage of the fact that our organs and tissues are magnetic. This is used for both diagnostics and treatment. As micro magnets the hydrogen atoms in our tissues and organs are sensitive to external induction fields of the ONDAMED applicator. Consequently the hydrogen's are resonating and become energized. Then the ONDAMED unit is interrupting the induction field shortly (on/off mode) which causes photon emission by the hydrogen atom respectively, its electron. The photon is a highly specific light quantum. This energy quantum is crucial for activating repair mechanisms of all kinds. It may activate chains of electrons which then become the electronic information key for those proteins and enzymes capable to do cellular or tissue repair. Further, the photon likes to couple with other photons of like wave length and colour. Thus they become a condensed light structure of laser quality. As standing waves this laser light is stored in Histone bodies of DNS and represents a coherent laser structure, the fundamental scaffold for mediating cellular and tissue functions (F.Popp). The MRI follows similar laws in physics regarding hydrogen behaviour and photon emission. However, there the photon is used for imaging as opposed to tissue repair when using the ONDAMED.

## **MRI, THE MIRACLE**

Most of you have seen images of an MRI of the body. The total body image would show each organ in a different contrast. This is because each organ has a different magnetic field of *hydrogen atoms*. It is this magnetic field, individual for each organ and tissue, which consequently has to be approached individually in order to induce healing. Later you will understand how the ailing tissue is approached and which modality and mathematical laws in physics are behind the success of the ONDAMED.

## ORGAN FIELDS, THE MASTER CONTROL

Furthermore, our organ fields represent the electromagnetic control matrix for all physical, chemical, and neuronal reactions in the body (Burr). Magnetic fields influence each other very powerfully. Therefore it is logical that there is communication between them in order to reach dynamic equilibrium. In other words, the information flow between them will normally not be chaotic but follows a certain order principle. The organ and tissue fields control all life functions by means of informative structure (**electrons**).



Information exchange between them is based on quantum-electrodynamics information (QED) (see below). This collective of organ and tissue fields reacts extremely sensitive to both external and internal impulses. The sensitive property is based on the magnetic fields of the hydrogen atoms. You may remember by playing with just two magnets, how they exhibit different field forces against each other. Each field has a powerful inner life. Yet our organ fields belong to the same body and are bound to coexist and forming a dynamic coherent total body field. So they are bound to communicate with each other. However, any disturbance of one field, such as by mercury, pesticides, radioactive elements, inflammation, emotion etc, will affect the entire system by disturbing the harmonious electronic flow of information. Destructive interference will take place.

## **FOCUS**

If the flow of information is damaged, blocked or distorted in a field we are talking about a focus. It is clear that this focus influences the stability of all other fields. The harmonious flow of information – the constructive exchange of electrons – the harmoniously interacting coupled oscillators of the body will be distorted, blocked, or destroyed. Chemical reactions cannot be jumps started and the tissues are loosing their master control. This will lead to loss of living matrix – the loss of tissue.

ONDAMED finds these foci and provides the specific frequencies for generating the correcting QED (quantum electro-dynamics information). Distorted or blocked information between tissues will be restored.

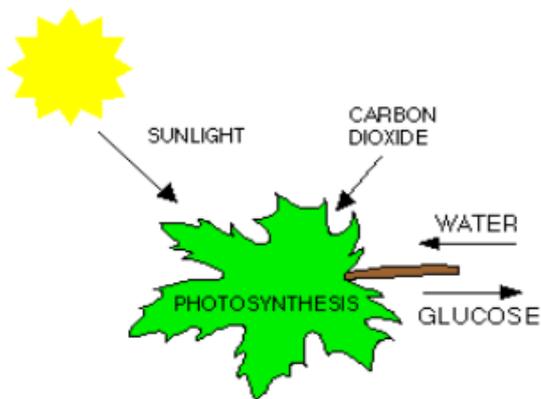
## ACTIVATING OF CELLULAR REPAIR

As we all know, chemical reactions of proteins and enzymes are responsible for repair mechanisms. However, only a few may know that enzymes and proteins are left useless and inert unless they become activated in order to jump start biochemical interaction. They become activated – as seen in photosynthesis – by light (photons). The rules follow physical laws respectively quantum dynamics. Two different energy quanta, two waves, the photon and the electron are resonating with each other. The two energy-rich waves are coupling if they match. One light quantum (photon) while operating as driver will activate one electron. This electron, by adopting the energy of the photon, will couple with other wave structures (electrons). Coupling by resonance will only happen between matching wave structures (e.g. electrons). The two waves will be added together forming a new wave structure. This transformation of two waves into a new wave gives birth to new energy and information. The pattern of the new wave structure will differ slightly from the original waves. Also the center of the new wave will not be at the same spot in space. It will be shifted in time and space compared to the original waves. This new interference pattern of the two added waves in accord with shifting in time and space represent new information like an electronic key. It will resonate and excite those protein molecules which are needed for repair. With other words: one electron, activated by one photon, will couple with another electron of the protein/enzyme molecule. In so doing it will activate the protein.

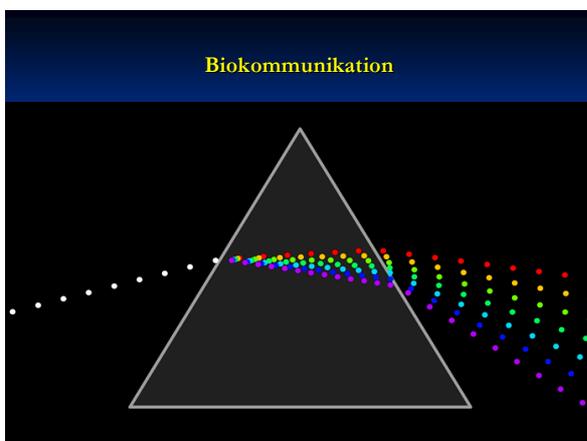
## PHOTOSYNTHESIS

So far you have learnt that ONDAMED is using the magnetism of hydrogen atoms for tissue repair. The nuclei of hydrogen atoms display a spin like a spinning top which is called „precession“(gyro magnetic property). Thus they react very sensitive to external pulsating electro magnetic fields. In doing so they emit photons, light quanta, of specific wave length and color. Photons exhibit the property of instant uniting (coupling) with other waves of matching structures. Therefore they resonate with electrons and thus become the driving force for cellular and tissue repair. By activating the electrons of protein molecules in ailing tissues, the photons (light quanta) create coupled oscillators, highly specific signatures, which transmit information like an electronic car key. Note: electronic information is a condition precedent to activating proteins. This is valid as a fundamental law in photosynthesis.

**Below: Protein molecules of chlorophyll need to be excited first by photons of specific wave length and colour. This is done via photon and electron resonance. The activated electron will proceed to activate the electronic chain which leads to chemical reactions between proteins and consequently to sugar production.**



**Below: Light migrates in small packages (energy quanta). Light is composed of photons which vary in frequency, wave length, and color. If light travels through a prism, it will be bent according to its frequency fractions. In photosynthesis the blue-violet fraction (400 to 650nm - Nanometer) is used selectively in order to jump start electrons of the proteins e.g. the chlorophyll.**



ONDAMED is not based on chemistry. Information deficit between organ fields and tissues can be restored by means of QED.

This is done by induction. Specific frequencies are applied at a distance individually to each patient by the ONDAMED applicator (adjusted therapy). They render the photons needed for repair. ONDAMED produces information by matching waves and coupled oscillators which exhibit the permittivity needed for resonating with ailing structures. (see below for permittivity)

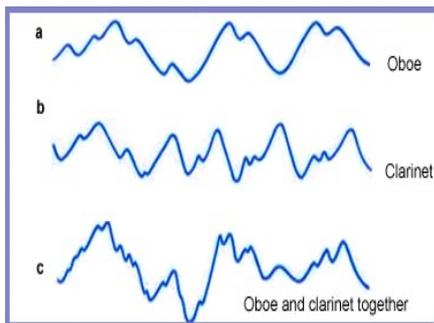
This explains the value of nuclear magnetic resonance and QED in Anti-Aging and healing in numerous patients and animals worldwide when using the ONDAMED.

**\* In physics a photon is an elementary 'particle'. It is the quantum of the electromagnetic interaction and the basic unit of light and all other forms of electromagnetic radiation. It is also the force carrier for the electromagnetic force.**

## QUANTUM ELECTRO DYNAMIC INFORMATION

**Quantum physics, quantum electrodynamics in particular is the preceding information for any chemical reaction, cell repair, and tissue repair in living species. Light – Photons as the universal energy and information carrier) quantum means energy Quantity**

Prior to biochemical reaction, substances must be energized by quantum physical means. A light quantum, acting as the driver, is exciting electrons which thereupon couple with each other. Wave structures of electrons will start to resonating, overlapping, and adding each other. With other words: two different waves, two energy quantities, two electrons begin to resonate and form a new signature (e.g. clarinet and oboe). The new combined vibration energy of clarinet and oboe will render – as you can see below - quite a different sound as opposed to clarinet and oboe apart from each other. Together they will form a different slotted key. Combination of both energetic waves has created both, new energy and new information. ***Change is creating energy and information.*** Accordingly, the combined wave of clarinet and oboe will resonate with other structures (proteins) than oboe and clarinet apart from each other. This principle applies for any other coupled wave.



**Above: Resonance and adding of two waves is changing space structure. Oboe and clarinet together create a different serrated key. Remember: electrons are three dimensional waves.**

Hence both energy quantities (waves) of the oboe and clarinet possess electro dynamics property, we talk about a quantum electro dynamic process. Both cellular and tissue repair become possible by means of protein molecules if they have been activated by quantum electrodynamics information (electrons as couples oscillators). Here the photon steps in as the initial driver.

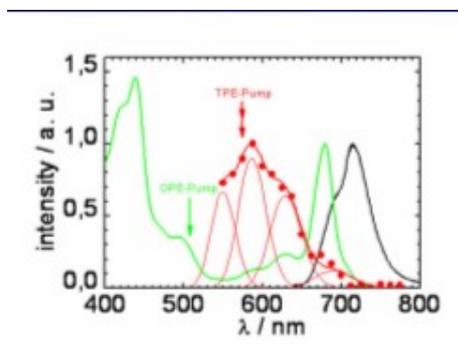
Everything is based on resonance.

It does not take much to comprehend, that specific information is the electronic “car key” for any chemical reaction taking place in nature. Think of photosynthesis. The dawn of life – the production of energetic substances such as NADH and ATP, which leads to the production of sugars and starch - starts takes specific photons. Light quanta of a specific wave length and frequency in the 400 and 600 nanometres range excite a protein, the chlorophyll molecule. This again releases one electron per picked up photon and thus jump starts an electronic chain, the fuel for NADH and ATP production and so forth. Photons any of other quality and wave ranges will not do the job. It is the specific information transported by the photon wave to interact with the chlorophyll.

In quantum physics and in particular, quantum electrodynamics (QED), scientists like astrophysicist Milo Wolff believe that resonance phenomena between matching waves (electrons) actually change structure of space and render the energy and information. Change of space structure, he states, is indeed the source for energy and information. Here, physical laws follow quantum mechanics and quantum electrodynamics in particular. Proteins and enzymes as well as repair cells depend upon the same information paradigm as photosynthesis in order to function. ONDAMED can deliver this information as seen par excellence in osteoporosis. Left to itself the bone system unfortunately cannot recover.

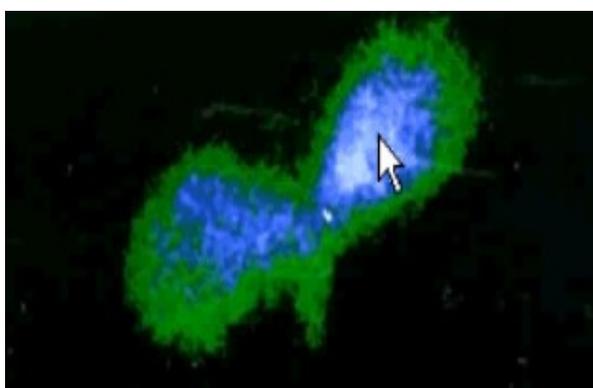
**Below: Energy level diagram of the ground and excited states of chlorophyll a and  $\beta$ -carotene. Right: Two-Photon excitation spectroscopy (red line with red dots) enables the measurement of spectra of the carotenoid dark state within intact pigment-protein complexes. The example shows spectra of PhotosystemI:**

Absorption spectrum (green line), Fluorescence spectrum (black line) and the already mentioned two-photon excitation spectrum (red line). For details see M. Hilbert, A. Wehling, E. Schlodder and P. J. Walla



Fritz Popp et al. posit that inside our cells photons build up laser like light ten fold more coherent than the best available laser. This laser light not only seems to be the back bone of information and structure, it is also stored as a standing wave inside the Histone body of the DNA. There it is exciting DNA compartments called then “Exciplexe” which then, by curling up the DNA molecule here and stretching it there, trigger the photon storages of the DNA to impart information and energy (photons) wherever it is needed.

**Below: Emission of bio-photons from a leaf (F. Popp et al) Living cells are emitting light. Dead cells do not emit light**



Below: Photolyases are DNA repair enzymes that repair damage caused by exposure to ultraviolet light.. This enzyme mechanism requires visible light, preferentially from the violet/blue end of the spectrum, and is known as photoreactivation



Fritz Popp et al. posit that inside our cells photons build up laser like light ten fold more coherent than the best available laser. This laser light not only seems to be the back bone of *information* and structure, it is also stored as a standing wave inside the histone body of the DNA. There it is exciting DNA structures called then “Exciplexe” which then, by curling up the DNA molecule here and stretching it there, trigger the photon storages of the DNA to impart information and energy (photons) wherever it is needed.

## ONDAMED, THE GUARANTOR FOR HEALING INFORMATION

Now you already know that photons occupy the first rank in the world of construction and repair.

Moreover, Rolf Binder, the inventor of the ONDAMED system, had the vision to use photon activity for therapy of the autonomic nervous system. Actually, healing seems to be impossible if we do not involve the nervous system. This comprises the autonomic, motor, and emotional parts including the master rhythms Delta, Theta, Alpha and Beta. Over years of research and observation, Binder has found matching frequencies for that issue. They qualify brilliantly for both diagnostics and treatment. Hence ONDAMED proverbially classifies as a true mind – body medicine. It approaches the patient on the atomic level following the laws of quantum physics and quantum electrodynamics (QED) in particular – not biochemistry. Cellular and tissue repair is induced by a trick which I like to explain further by the MRI model:

Hydrogen atoms have the property of a ‚Spin‘ (rotating tops or gyro magnetic property). Hence they possess an intrinsic (inborn) magnetic field and consequently react to external pulsating magnetic fields. ONDAMED takes advantage of those minute magnetic fields in our tissues the same way the MRI does. MRI uses huge and powerful magnets in order to put all tissue hydrogen’s in line, quasi condensing them, for later imaging.

Then the MRI unit would shoot pulsating fields of radiofrequencies into the hydrogen fields. Resonance will take place between the two fields. The hydrogen’s and their spin will be speeded up so much that they quasi rotate around the induced MRI field (precession). Consequently the hydrogen’s precess about the external MRI radio frequency field with an own specific frequency – the “Larmor Frequency“, labeled in honor of Sir Joseph Larmor, an Irish physicist. The Larmor Frequency is highly specific for each tissue because the hydrogen spin differs in each tissue. Learn more about spin later. .

While the hydrogen’s are precessing, the MRI switches its external field off for a short moment (pulsating on/off MRI mode). Thereby the hydrogen fields fall back into their original position and state (relaxation) and emitting a photon. Of course this photon displays a specific phase and frequency because the ‚Spin‘ frequency of its kin hydrogen is also specific. Then the energy rich photon is used for imaging. Because it is specific for each tissue, each organ will be contrasted differently. You already know that each organ has its individual magnetic field.

Additionally the hydrogen spins display two different energy states (Eigenstates of 1H atoms). When resonating with the external magnetic field of the MRI, the hydrogen’s rotate (precess) longitudinally and transversally about the external field. When interrupting the external field by switch off, only the transversally precessing hydrogen’s emit a photon.

However, the photon may be used quite differently. It can repair and build up the same tissue from where it originated. If we visualize a photon of heart tissue: the photon will be tissue specific because the heart hydrogen field displays a specific Larmor frequency. Therefore also its photon is specific in wave length and frequency. Hence it represents a signature, an unmistakable and clear message or information which is a precondition for tissue repair. By the same token specific frequency patterns are needed to counteract osteoporosis. Other

frequencies not correlating with bone tissue do not qualify and cannot provide dramatic improvement of the osteoporosis patient. Furthermore, in case of estrogen imbalance you must treat the heart field with specific heart frequencies for estrogens correlate with the heart field.

*Morphogenesis, growth, differentiation, and regeneration are expressed by structural and regulating force of the coherent bio-photon field (F. Popp.)*

ONDAMED does not depend on huge magnets to condense or line up hydrogen's since it is not used for imaging. It simply takes advantage of the second step, the induction of resonance. Resonance between the ONDAMED wave and the Larmor frequency of the spinning hydrogen fields and their electrons renders the power, the energy, and the information for repair. Knowing that each tissue resonates only to an individual frequency, ONDAMED produces these individual frequencies and induces resonance and photon emission selectively in those areas where there is need for repair. The available frequency patterns for CNS entrainment are an important part of the concept.

By extension, the ONDAMED system is capable to find the Main Focus of a health disorder (Kessler et al, 2006). The Main Focus is blocking healing by draining energy from all other fields. Treating the Main Focus with specific light quanta stops the drainage of other tissues and organs immediately. Healing can take place.

Further, there are 174 pre set programs (sophisticated frequency compositions) which access a vast variety of health issues.

By extension, the ONDAMED detects severe terrain distortions caused by micro organisms such as, bacteria, viruses and parasites. It can identify the field of the micro organism, finds the affected areas and cleanses them. Long term observations gave raise to the understanding that our organ and body fields become extremely distorted and damaged through fields of micro organisms. That is why – despite other issues - more and more therapists focus on cleansing the body fields from micro organism related frequencies in patients with malignancies.

**Note: Regarding eliminating microorganisms: Correcting fields is one billion times more important than the matter of the germ (Relation matter/energy field: Prof. Carlo Rubbia, particle physicist, Nobel price laureate and director of CERN.**



**Above: C. Rubbia \* 1934**

The fourth module can identify impaired nutrient points which comprise vitamins and trace elements.

ONDAMED is truly a comprehensive and intelligent biophysical tool which is correcting fields through quantum electrodynamics principles. Several therapists have called it “a historic medical breakthrough”. For several decades it is in use all over the world and on all continents.

**Success story:**

**An eighty four old female patient was brought to my attention with severe osteoporosis and excruciating bone pain. She was not able to walk by herself. Her body was held together by a corset. She had to be carried.**

**After four ONDAMED sessions with a specific frequency program the patient was able to walk on crutches. Her pain level had improved at least 50%. After some more sessions she was almost pain free and well capable to walk on crutches on her own.**

Numerous health disorders can be treated that way. Some of them are listed below:

Tinnitus, brain disorders, any infections/parasites, autism, allergies, bladder, prostate, eye problems, osteochondritis dissecans, any joint traumata or fractures, adjuvant cancer therapy, colitis, kidney problems, pancreatitis, diabetes mellitus, pre-operation management, post-operation management and many others.

## ORGAN FIELDS AND BODY FIELDS

### THE FIELD AS THE ELECTRONIC MATRIX FOR INFORMATION, ENERGY, AND STRUCTURE

How could certain frequencies in combination with subsequent photon production render structure? This will be shown some pages below. Let's look into quantum fields a little closer:

Some of you already have seen an MRI (Magnetic Resonance Imaging) photograph. Remember, you would see each organ differently contrasted. You would see different organ fields. You actually watch magnetic fields which all differ from each other and therefore produce different images. The heart would look different than the liver and your vertebrae would look different than your kidneys etc. The reason why you receive such crystal clear images differently contrasted from each other, is the difference of the hydrogen atomic spin in each tissue. Although hydrogen's are basically all alike, they differ in property since each tissue is composed of different elements. Consequently there are interferences by those other elements. For instance: kidneys may contain more sodium, bones more iron, and the thyroid more iodide. Since hydrogen atoms have tiny magnetic spinning fields, they become altered by other elements. Consequently the hydrogen's in the thyroid would have a slightly different spin than in the liver or kidneys. Each tissue has a specific frequency of the hydrogen spin which has been found by and named after Sir Soseph Larmor, an Irish physicist "Larmor Frequency".

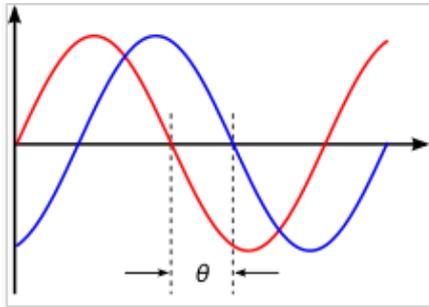


**Larmor, Sir Joseph (1857-1942)**

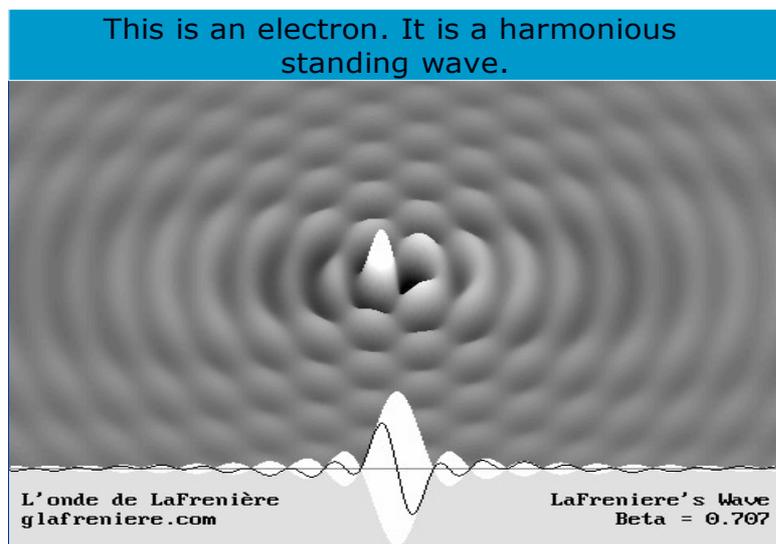
*Because each atom has its own specific energy signature (wobble), assemblies of atoms (molecules) collectively radiate their own identifying energy patterns.*

Now, although each organ field in our MRI has a different magnetic field, all organ fields are belonging to the same body and interact with each other. Clearly, they form a total body field – an electronic matrix - since all of them are bound to coexist in some dynamic equilibrium. There must be information exchange between them, and there is. However, you may have played with different magnets. So you know that each magnet has its own magnetic field and by all means, these fields each have their own character. Magnetic fields do not match easily. Above all our organ fields in the MRI are of magnetic character and each one is different. Nevertheless they have to get along with each other and form a dynamic equilibrium, a total body field. How do they communicate? How do they interact? The theory of QED (quantum electrodynamics) posits that communication is based on matching waves (electrons) which – when they meet in space – would resonate with each other and, by little differences in their wave structure, would produce a phase shift. The phase shift produced by two waves is the new signature of energy and information.

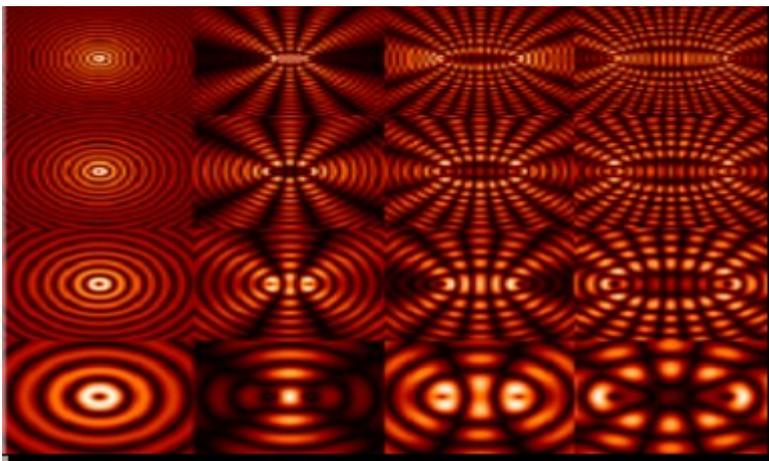
Below: Illustration of phase shift. The horizontal axis represents an angle (phase) that is increasing with time.



Below: The electron is a standing waves structure. Coupling with a another wave will render new wave patterns which are a signiture of specific information.



Below: Interference patterns of standing waves with wave shift. The patterns represent a signature and information. Note that the centres are moving.



However, the harmony, the homeostasis, the synchrony of the quantum (energetic fields) field may be distorted:

For instance: if you inhale asbestos, you definitely alter the lung fields. The field of asbestos and the lung field would resonate destructively. They are not compatible to each other. There will be a damaged, distorted, or blocked organ field of your lungs which then will, through that destructive signature, exert further destructive resonance to all of your other organ fields, some more and some less. The damage can be easily and instantaneously tested with bio-physical devices such as EAV or others. ONDAMED however, would not only test and find the **spots** which are damaged; it would also correct the areas of distortion. The principles in physics used here are induction, resonance, and quantum electrodynamics e.g. photon emission of specific wave length for each tissue or cellular compound.

As you see, when we are approaching disease and healing, we do not talk about the flesh, muscle, or heft of your body but relate to the quantum world, the fields of your organs, as we also work with them in daily practice in our hospitals with the MRI.

## QUANTUM PHYSICAL FORM AND SHAPE OF MATTER (TISSUE) and THE ORIGIN OF DISEASE

Hamprecht showed that the equation of the Nobel price laureate Erwin Schroedinger is the basis of modern quantum mechanics:

*All conditions of matter and light follow the laws of acoustics such as Keynotes and Harmonics. They produce the same quantum conditions (tone sequences) without other forms in between as matter and light. However, here it is not the string and the air which is vibrating but the vacuum.*

In other words, tone gives way to form and structure. It is interesting that research has found that the nervous system produces a deep tone during fetal development. The deep tone seems to be a kind of a blue print for organ development. How can tone produce form and structure?

## THE ORIGIN OF DISEASE

Health disorders originate through chaotic vibration of particles in a tissue due to deposits of ‘environmental’, ‘infectious’, ‘parasitic’ inflammatory wave fields – ‘particles’

Izthak Bentov, in his book “Stalking the Wild Pendulum”, relates to the tone quality of any wave which gives way to form and structure as seen in a simple experiment below:

Figure 1 below: One half standing wave with two resting points at the ends. A string, connected to a frame at both ends. If you run a violin bow in the middle of the string, you produce a half-wave structure

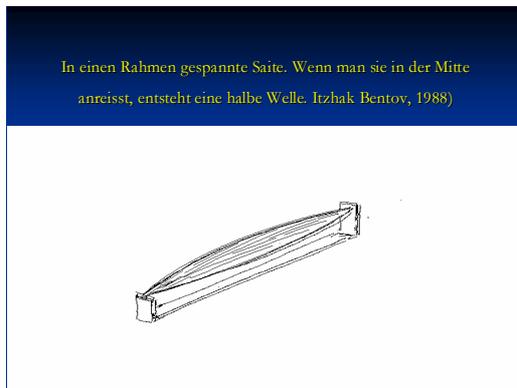
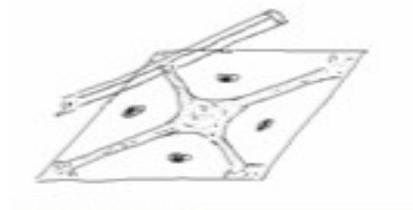


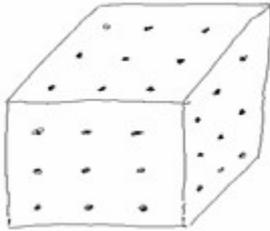
Figure 2 below: One whole standing wave with three resting points. A string, connected to a frame at both ends.



Figure 3 below: A two dimensional standing wave pattern on a metal sheet. The sheet has been covered with a thin layer of sand. When a violin bow is run along the edge of a steel plate, the plate would vibrate and form a standing wave pattern on the plate. Dots represent nodes of rest. Matter is structuring itself at dots and areas of rest.



**Figure 4 below: A three dimensional standing wave in a virtual cube. Dots represent areas of rest. There, atoms, for instance, would group themselves in a crystal like structure (regularly arranged), when the violin bow is run along an edge and the cube starts vibrating. Because of regular arrangement of the particles e.g. atoms, this leads to a continuous harmonious vibration of particles. Any interference by other particles in that cube (for instance heavy metal atoms) would exhibit a different vibration pattern and would distort the regular and harmonious order of the other atoms and their quantum field. Disease originates. The quantum field would become distorted and chaotic rendering strange and false information to the tissue, cells etc.**



ONDAMED uses the tone - colour – electromagnetic wave principle by means of harmonics as Erwin Schrödinger has already postulated. Since each tissue radiates its own frequency – signature, ONDAMED logs on each ailing tissue with the specific frequency needed for repair. The body of frequencies used by the ONDAMED is a structured building – structured by harmonics. Thus diagnostics and treatment can be adjusted to each individual. It matters very much, whether you find out, that patient one must be treated in the second floor of the harmonics or patient two in the fifth floor. There will be different frequencies and wavelengths in the 5th floor as opposed to the 4th floor.

## THE SUPER MICROSCOPE

When we view bone through a super microscope, its structure will spread into a highly ordered, crystal like, arrangement of atoms. We observe small groups of vibrating atoms around their position. Vibration takes place many million times per second. Whenever that harmonious oscillation is interfered by a focus (e.g. mercury atom), the impact will ripple into vicinal fields and further. Correcting the source of distorted vibration will reset the entire system. Accordingly, entrainment by harmonizing rhythms will restore equilibriums of the matrix in the whole body. Order of deranged tissue will be increased. Harmony, marching in cadence will render much more energy versus chaotic vibration. Organic structures need harmonious oscillating in order to heal and functioning. Crystal formations have both qualities: their atoms are regularly arranged and are vibrating accordingly. That is energy.

Disease may be defined as organs and tissues out of cadence. Healing restores rhythm. Our microscopic journey into bone tissue has unfolded new reality. Our solid tissues brake down into a fast pulsating matrix of energy fields. Any induction of energy will influence the physical behavior of the matrix and consequently the tissues. Whether energy may be electric, magnetic, gravitational, or acoustic, it will have consequences on our tissues.

Mussels, when brought one thousand miles west from Long Island yet kept their rhythms of closing and opening. Not until a period of two weeks they entrained to the gravitational field of the moon correlating with their new location.

ONDAMED is the only available system worldwide which could both, find the Main Focus of the health problem and restoring crystal atomic arrangement in ailing tissues (Kessler et al.2006) The Main Focus impacts the whole field structure of the body by displaying chaotic vibration patterns. The Main Focus harbors alien matter such as viruses, fungi, environmental toxins, radionuclids, inflammatory debris, bacteria, heavy metals, non metabolized food particles especially in case of food allergies etc.

References:

Bentov, Itzhak, *Stalking the wild pendulum*, Destiny Books, Rochester, Vermont, 1988

## HOW YOU USE ONDAMED

### Genial simple:

**Below:** The patient is connected to the ONDAMED unit by a neck applicator. The medulla oblongata has proven to be optimal for the information exchange.



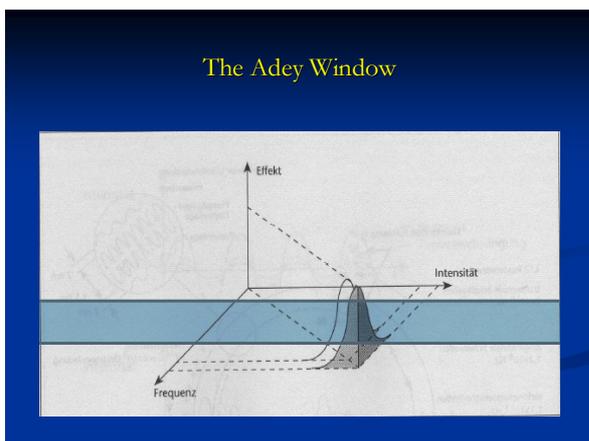
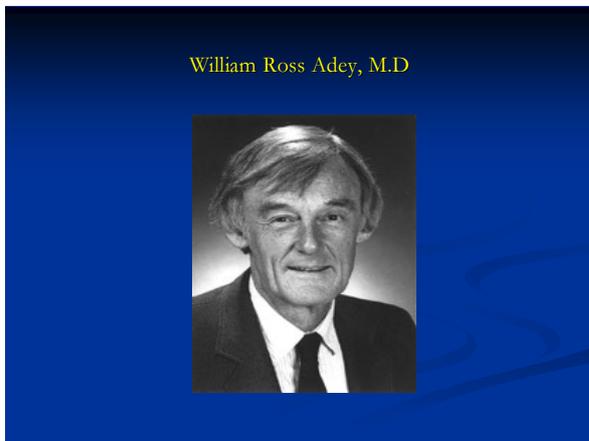
**Below:** The therapist holds her thumb lengthwise to the radial pulse. The pressure of the thumb is very slight – almost none. Thus any change of pulse character of the patient may be felt when responding to ONDAMED frequencies.



Sequential frequencies between 0.1 and 32.000 Hz are applied to the patient by turning the regulator. If the patient resonates to any of those frequencies, a jerk, spike, a fading, a “reaction” of the radial pulse occurs. This is regarded as a little vascular shock due to an energy increase through resonating waves (between the ONDAMED field and the Larmor frequency of the hydrogen atoms of that particular tissue).

Since ailing tissues, ailing areas, or ailing organs suffer from inharmonious vibration of their particles, matching ONDAMED waves will jump start resonance of impaired parts, increasing harmonious vibration. Photon emission by hydrogen atoms takes place and coupled oscillators (electrons) render specific healing information, energy, and structure through space resonance and phase shift. Increase of energy in the ailing tissue is causing an energy wave to propagate through the vascular system. You clearly feel a pulse reaction!

**Below: The energy emitted by the applicator is very small (5-50 mille Tesla) which is according to the research results of William Ross Adey (Adey Window); only impulses of very low intensity and frequency elicit cellular response.**



## THE 4 MODULES

### MODULE 1 :

#### **Specific Frequencies**

(Specific frequency list 1)

The specific frequencies are the true genius of this method. They render detailed information to the therapist and the patient about which organ is diseased. With this knowledge both your diagnostics and treatment are guided further.

Each of these frequencies found by pulse feedback can find the areas in need to be treated. Traumatized or inflamed organs and tissues produce a „current of injury“ with a specific frequency code. ONDAMED adjusts therapy individually to that code by means of its specific frequencies found by pulse feedback. Consequently there will be resonance between these two fields.

Thus ONDAMED® specific frequencies represent an army of coded resonance bodies which build coupled oscillators individually with any existing ailing field (diseased areas). Because there are many and varying ailing foci, equivalent numbers of specific frequencies are provided. These are listed in the operation manual.

Example:

Your patient's neck is connected with the ONDAMED ® by a neck applicator. By rotating the regulator wheel, frequencies from 0.1 – 32 000Hz will show on the upper display. Simultaneously you are palpating the radialis pulse.

Suddenly you would feel a change of the pulse (jerk, arrhythmia, or fading) – in short „something happens“ with the pulse quality. The upper display would show 11.31.

Checking the frequency list you will find out that this frequency correlates with the gall bladder. 11.31 represent the code of the gall bladder. Hence you instantly know that the gall bladder must have something to do with your patient's problem. Whatever the complaints of the patient are, atrial fibrillation, migraine etc. you would have to integrate the gallbladder into treatment.

This knowledge could trigger a cascade of therapeutic and diagnostic consequences: medical tests, questions for the patient, options for additional medication, and above all of course – ONDAMED treatment with 11.31 Hz frequency.

Further: you could use pre set programs for re building the repair field of the gall bladder and bile system of your patient.

Further: Swiftly you could scroll through frequencies of micro organisms and parasites. You may find a pulse change at 205.1 on the upper display. Checking the frequency list 3 you will be surprised to identify ‚Salmonella Typhimurium‘.

However, most importantly you will get a feeling of competence as a therapist. Because of secure and qualified data, you are powerfully dealing with the health problem. Patients will

receive instant plausible information which correlates with their complaints. Like me you will be fascinated about the accuracy of the method. Your life as a therapist as well as the patient's life will change.

**Note: Module 1 renders specific code frequencies which qualify to find ailing areas of injury.**

## **MODULE 2 :**

### **Pre set programs**

Here ONDAMED ® stores 174 programs. Either you would scroll through the programs by rotating the wheel of the regulator and using pulse feedback, or you simply select a program according to prior diagnostics.

If you prefer to select by pulse feedback, you gain additional information about the condition of the patient. For example: Our patient could react strongest to program 145. In that case you could inquire about back pain and sciatic pain. Program 145 is relating to those issues. Thus you build up more trust in the patient by finding out his complaints without his help.

Note: I had many cases with rheumatoid sciatic back pain which had been caused by Salmonella toxins. Also heart disease and arrhythmias could be caused by same toxins. The bile system favors hosting chronic Salmonella, and enteritis may be long forgotten.

## **MODULE 3:**

### **Microorganisms and parasites**

Specific frequency list 2

This is an addition to frequency list 1. Frequencies range between 200 Hz to 800 Hz. Main difference between list 1 and 2 is that module 3 is using the same frequency on both the right and the left side as opposed to alternating frequencies left and right at module 1.

This is providing a very strong therapeutic impulse. We have been able to normalize foci with microorganism related frequencies easily if module 1 did not finish the job. This indicates that microorganisms may play a more important role in chronic disease than we are aware of. Also, more and more therapists focus upon eliminating microorganism fields in case of malignancies.

## **MODULE 4 :**

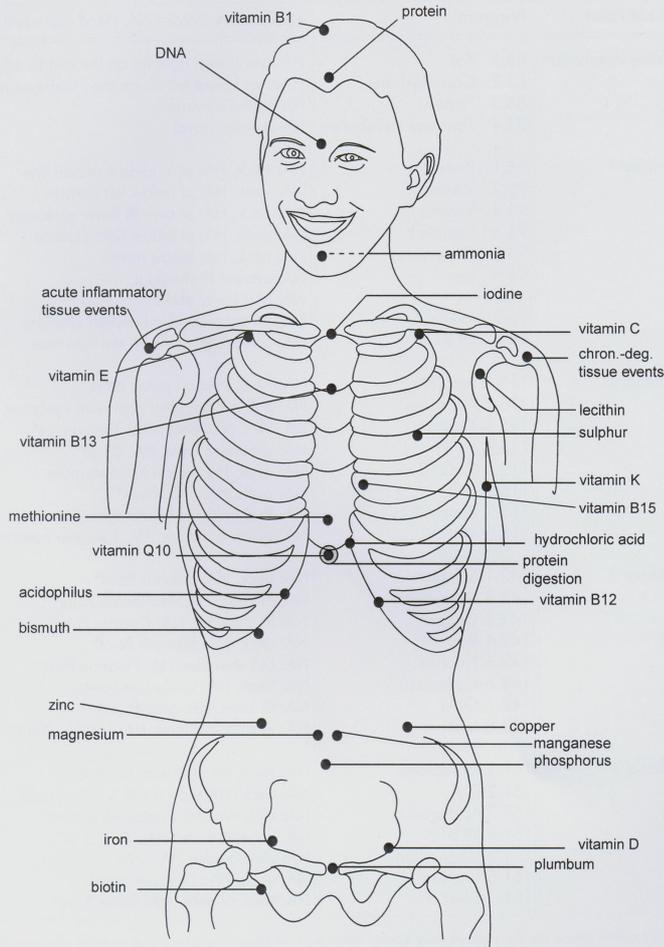
### **Nutrient points**

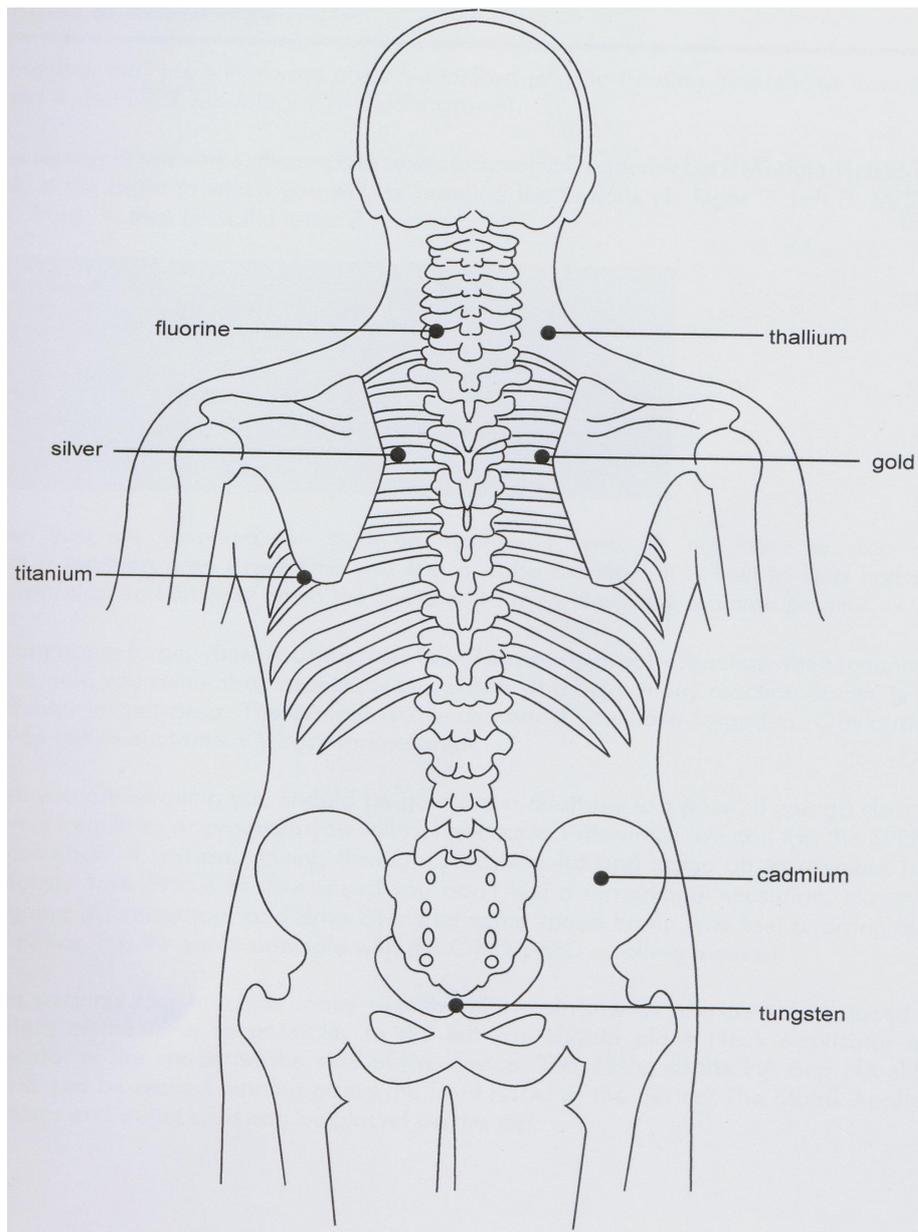
Module 4 had been designed in order to optimize the energetic terrain of the body. It is aiming at improving assimilation of vitamins and trace elements. Thereby metabolism will be improved. It has been debated among scientists that utilization of vitamins and trace elements may be blocked or impaired more often than we are aware of. Using supplements in those cases could be contra productive and even a health hazard. Note: In neurodermitis (eczema in infants and adults) we always found a blocked vitamin C metabolism. (EAV, Kinesiologie, ONDAMED ®). The vitamin C point is located in the anterior thorax in the middle of the clavicular region. Treatment of this point in cases of infantile eczema is a state of the art

treatment. Providing these patients with Vitamin C supplements or fruit containing vitamin C causes enormous exacerbation of the eczema. An additional option in order to de-block vitamin C metabolism is amp. Vitamin C injeel from the Heel Company once a week. Accordingly ONDAMED also finds numerous other nutrient points to be treated e.g. in case of psoriasis.

# DESCRIPTION OF NUTRIENT POINTS

## D. Nutrient Point Chart





## Description of Nutrient Point Therapy for ONDAMED

by Karin van Huelsen, ND

### Program 79 – Vitamin K / see Programm 79 – Lungs/Respiration

Location: This point is located one hand's breadth underneath the left axils.

Description: Vitamin K is a fat-soluble vitamin. Its absorption is dependent on normal pancreatic function and presence of bile salts. There are two natural forms of vitamin K, such as phylloquinone (K I) from vegetable and animal sources and menaquinone (K II) synthesized by bacterial flora and found in hepatic tissue. K I is absorbed by a saturable energy-dependent mechanism in the proximal small intestine, whereas K II is absorbed by passive diffusion in the small intestine and colon. Menaquinone intake was associated with decreased incidence of advanced prostate cancer. Imbalances affect the blood, cartilage and bone.

Food sources: Green leafy vegetables (kale and spinach), butter, margarine, liver milk, ground beef, coffee, pears, vegetable oil and olive oil.

### **Program 83.1 – Fat**

Location: This point is located at the utmost to the right of the costal arch.

Description: Fats are a concentrated source of energy. This treatment is designed to support the gallbladder.

Food support: Avocado

### **Program 83.2 – Carbohydrates**

Location: This point is located at the utmost to the left of the costal arch.

Description: Carbohydrates in the diet are present in the form of starch, disaccharides and glucose. They are absorbed only in the small intestine and only in the form of monosaccharide. Therefore, before absorption, they must first be digested by pancreatic amylase and intestinal brush border.

Lactose malabsorption is the only clinically important disorder of carbohydrate absorption.

Food sources: The most important carbohydrate in animal food is glycogen; the most important carbohydrate in plants is starch.

### **Program 83.3 – Protein**

Location: This point is located underneath the sternum below the xiphoid

Description: Protein is present in food almost exclusively as polypeptides and requires extensive hydrolysis to di- and tripeptides and amino acids before absorption. Proteolysis occurs in both the stomach and small intestine. Protein is essential to build cells, hormones, muscle- and connective tissue.

Food sources: animal proteins, legumes, cereals, roots.

### **Program 83.4 – Pancreas**

Location: This point is located two finger's breadth above the navel.

Description: This treatment is designed to support the pancreas and to balance the pancreatic juice.

Food support: Peanut oil, L-tryptophan

### **Program 96.1 – Protein**

Location: This point is located at the beginning of hair growth at the glabella in the middle of the hair line.

Description: Dietary protein consists of both essential and nonessential amino acids that are required for protein synthesis, whereas certain amino acids can also be used for energy and gluconeogenesis. Imbalances are found in bone, ligament and connective tissue, particularly during growth.

Food sources: animal proteins, legumes, cereals, roots.

### **Program 96.2 – Vitamin C (Ascorbic acid)**

Location: This point is located underneath and in the middle of the left clavicle.

Description: Vitamin C participates in oxidation-reduction reactions and hydrogen ion transfer reactions. As an antioxidant it also acts to regenerate other antioxidants such as vitamin E, flavonoids and glutathione. Imbalances are found in weakened immune systems, scurvy, fatigue, depression, impaired bone growth and cancer.

Food sources: Citrus fruits, green vegetables (especially broccoli), tomatoes and potatoes.

### **Program 96.3 – Vitamin D**

Location: This point is located one hand's breadth underneath the copper point. The copper point is located to the left, in the middle between the navel and the hunch bone.

Description: Vitamin D is a group of fat-soluble pro-hormones with the two major forms D2 and D3. Vitamin D3 is produced in skin exposed to sunlight, specifically ultraviolet B radiation. It plays an important role in the maintenance of organ systems. Imbalances result in impaired bone mineralization and cancer, especially colon cancer.

Food sources: fortified food, such as dairy, margarine, oil spreads, breakfast cereal, pastries and bread. Natural sources: Fatty fish, such as salmon, catfish, herring, mackerel, sardines, eel, tuna. Fish liver oils. Mushrooms and eggs.

### **Program 96.4 – Vitamin E (Tocopherol)**

Location: This point is located underneath and in the middle of the right clavicle.

Description: Vitamin E acts as a chain-breaking antioxidant and is an efficient pyroxyl radical scavenger, which protects LDL and polyunsaturated fats in membranes from oxidation. It is a fat-soluble vitamin.

Imbalances are found in arteriosclerosis, coronary heart disease, cancer, catabolism in muscle- and nerve cells and sterility.

Food sources: Egg yolk, corn oil, soybeans, sunflower oil, safflower oil, wheat germ oil, meat, nuts, cereal grain and vegetable leaves.

### **Program 96.5 – Phosphorus**

Location: This point is located two finger's breadth underneath the navel.

Description: Phosphorus is a major component of bone and of all other tissues and in some form is involved in almost all metabolic processes. Imbalances result in the nervous system, bones, acid-alkaline balance, and blood

Food sources: Dairy, meat, eggs, carbonated beverages.

### **Program 96.6 – Iron**

Location: This point is located one hand's breadth underneath the zinc point. The zinc point is located to the right, in the middle between the navel and the hunch bone.

Description: Iron is a critical element in the function of all cells and iron-containing enzymes. The major role of iron is to carry O<sub>2</sub>. Imbalances also interact with Vitamin C. Most common are anemia.

Food sources: Meat, poultry, fish, legumes, leaf vegetable, tofu, chickpeas, potatoes, whole-grain flour, molasses, teff and farina.

### **Program 96.7 – Iodine**

Location: This point is located between both clavicles in the jugulum.

Description: Iodine is clearly essential. Iodide uptake is a critical first step in thyroid hormone synthesis.

Imbalances are found in goiter, hypothyroidism, cretinism and mental deficiency.

Food sources: Eggs, milk, seafood.

### **Program 96.8 – Vitamin B 13 (Orotic acid)**

Location: This point is located four finger's breadth underneath the iodine point. The iodine point is located in the jugulum .

Description: Historically orotic acid was believed to be part of the vitamin B complex and was called vitamin B 13, but it is now known that it is not a vitamin. The compound is manufactured in the body by intestinal flora.

Imbalances may relate to concentration and loss of memory.

Food sources: Whey, milk and yeast.

### **Program 115.1 – Lead**

Location: This point is located on the symphysis.

Description: Lead is a potent neurotoxin that accumulates in soft tissues and bone over time. It is a poisonous metal that can damage nervous connections and cause blood and brain disorders. Long term exposure can cause nephropathy and colic like abdominal pains. It has been linked to schizophrenia. Imbalances might be caused by environmental factors.

### **Program 115.2 Ammonia**

Location: This point is located between the lower lip and the chin.

Description: Ammonia is normally encountered as a gas with a characteristic pungent odor. It contributes significantly to the nutritional needs of terrestrial organisms by serving as a precursor to foodstuffs and fertilizers. It either directly or indirectly also is a building block for the synthesis of many pharmaceuticals. Ammonia is both caustic and hazardous. The toxicity of ammonia solutions does not usually cause problems for humans; however fish and amphibians lack the mechanism to convert ammonia by enzyme. Even dilute concentrations are highly toxic to aquatic animals and for this reason it is classified as dangerous for the environment. Solutions of ammonia are used as household cleaners. They should never be mixed with chlorine-containing products, as toxic and carcinogenic compounds are formed.

### **Program 115.3 – Thallium**

Location: This point is located right to C7 (cervical vertebra).

Description: Thallium is highly toxic and is used in rat poisons and insecticides. It is suspected to be a human carcinogen. When present in aqueous solution, it exhibits some similarities with essential alkali metal action, particularly potassium. It can thus enter the body via potassium uptake pathways. Among distinctive effects of thallium poisoning are loss of hair and affects the peripheral nerves.

### **Program 115.4 – Vitamin B 1 (Thiamine)**

Location: This point is located two finger's breadth to the right in the middle of the hair line.

Description: Vitamin B1 is required for branched-chain amino acid metabolism and carbohydrate metabolism and energy generation. Imbalances are found with regularly alcohol use, heart arrhythmia, dyspnoea, neuritis, neuropathy of the motor and sensory system, pain and paresthesia.

Food sources: yeast, pork, legumes, beef, whole grains, milk, nuts and green vegetable.

### **Program 115.5 – Coenzyme Q10 (Ubiquinone)**

Location: This point is located underneath the xiphoid. (same area as protein point )

Description: Coenzyme Q10 is essentially a vitamin or vitamin-like substance. Coenzymes are cofactors upon which the comparatively large and complex enzymes absolutely depend for their function. It is present in all body cells and is the coenzyme for at least three mitochondrial enzymes. A major function is to act as the catalyst in the production of energy at the cellular level. Coenzyme Q10 has been shown to be valuable in treating congestive heart failure, cardiomyopathy and high blood pressure. It has been studied in its reduced form as a potent antioxidant.

Food sources: Primarily found in fish and meat.

### **Program 115.6 – HCL (Hydrochloric acid)**

Location: This point is located on the left side of the xiphoid.

Description: Hydrochloric acid is needed to digest protein in the stomach. Imbalances can cause gastric problems.

### **Program 115.7 – Biotin (Vitamin H or B7)**

Location: This point is located at the right groin.

Description: Biotin is a water-soluble B-complex vitamin. It is a cofactor in the metabolism of fatty acids and leucine and in gluconeogenesis. It is necessary for cell growth, the production of fatty acids and the metabolism of fats and amino acids. It plays a role in the citric acid cycle, assists in various metabolic reactions and helps to transfer carbon dioxide. It is also helpful in maintaining a steady blood sugar level. The intestinal bacteria generally produce an excess of the body's daily requirement. Imbalances may affect the hair and nails.

Food sources: Royal jelly, brewer's yeast, milk, liver, egg yolk, vegetable and alfalfa.

### **Program 115.8 – RNA (Ribonucleic acid)**

Location: This point is located between the eyebrows.

Description: Ribonucleic acid is made from a long chain of nucleotide units. Each nucleotide consists of a nitrogenous base, a ribose sugar and a phosphate. Treating this point is based on the nucleotide metabolic function, which decomposes into uric acid.

### **Program 129 – Tungsten (Wolframite) / see Program 129 - Birth Trauma**

Location: This point is located at the coccyx.

Description: Wolframite was highly valued as the main source of the metal tungsten, a strong and dense material with military uses, such as munitions and armor piercing ammunition.

Imbalances may affect the lung, skin, nervous system and arteries.

### **Program 130.2 – Vitamin B15 (Pangamic acid) /see Program 130 – Joy of Life**

Location: This point is located on the left side, two finger's breadth left to the nipple.

Description: Vitamin B15 is water-soluble but its essential requirement has not yet been proven. It is absorbed from the small intestine. It is needed for normal growth and brain activity, for formations of stress hormones and adrenal gland function, hair pigment and hair growth. It brings a better supply of oxygen particularly to the cardiac and other muscles. It affects the cholesterol level and stimulates the endocrine and nervous system.

Food sources: Brown rice, sesame seeds, pumpkin seeds and whole grains.

### **Program 142.1 – Sulphur**

Location: This point is located in the middle of the line between the left shoulder and the xiphoid.

Description: Sulphur is an element needed to build cystine, cysteine and methionine. It has a close relation to vitamin B1, biotin, insulin and keratin.

Imbalances may result in hair -, nail – and skin diseases.

### **Program 142.2 – Methionine**

Location: This point is located two finger's breadth above the xiphoid.

Description: Methionine is a sulphur-containing amino acid. It is important to build proteins.

Imbalances might be caused by environmental factors.

### **Program 142.3 – Copper**

Location: This point is located to the left, in the middle between the navel and the hunch bone.

Description: Copper is an integral part of numerous enzyme systems. As such, copper plays a role in iron metabolism, melanin synthesis and central nervous system function, the synthesis and cross-linking of elastin and collagen and the scavenging of super oxide radicals. Imbalances result in malabsorption, anemia, infections, cancer, psychomotor abnormalities, depigmentation and mental retardation.

Food sources: Shellfish, liver, nuts, legumes, bran and organ meats. Milk has a poor source.

### **Program 142.4 – Bismuth**

Location: This point is located at the second third from the middle sternal line of the right costal arch.

Description: Bismuth is the most naturally diamagnetic. Diamagnetism is weak repulsion from a magnetic field. Bismuth compounds are used in cosmetics and in medical procedures. It has become an increasing part as a replacement for lead.

Imbalances may also occur during chemotherapy. This point may be treated during chemotherapy.

### **Program 142.5 – Fluoride**

Location: This point is located left to C7 (cervical vertebra).

Description: Fluoride is useful for the maintenance of structure in teeth and bone. Imbalances may result in mottled and pitted defects in tooth enamel as well as brittle bone. A few

organofluorine compounds are extremely toxic and react with the cholinesterase enzyme at neuromuscular junctions and thus block the transmission of nerve impulse to the muscles. Food sources: Whole-grain products, fish, black tea, soybeans and nuts. In low concentration naturally found in drinking water.

### **Program 142.6 – Cadmium**

Location: This point is located three finger's breadth left to the sacrum.

Description: Cadmium is known to cause cancer and occurs with zinc ores. It is used largely in batteries and pigments, for example in plastic products. It is accumulated by white headed mushrooms. Imbalances might be caused by environmental factors.

### **Program 142.7 – Gold**

Location: This point is located two finger's breadth right to T4 (thoracic vertebra)

Description: Gold dissolves in mercury, forming amalgam alloys, but does not react with it. Soluble compounds such as gold cyanide, used in gold electroplating, are toxic to the liver and kidneys. Modern industrial uses include dentistry and electronics. Imbalances might be caused by environmental and dental factors.

### **Program 142.8 – Lecithin**

Location: This point is located at the left frontal part of the shoulder

Description: Lecithin is any of a group of yellow-brownish fatty substances occurring in animal and plant tissues and in egg yolk. It is needed by every cell in the body and is a key building block of cell membranes. It protects cells from oxidation and largely comprises the protective sheaths surrounding the brain. Although it is a fatty substance, it is also a fat emulsifier. It supports the circulatory system. Its choline is useful for making acetylcholine. It is produced daily by the liver if the diet is adequate. With emphysema, lecithin is used to reduce the surface tension of fluids in the lungs, enabling easier elimination.

Food sources: Soy beans, egg yolk

### **Program 151.1 – Manganese**

Location: This point is located to the left, inside the navel.

Description: Manganese is important to activate specific enzymes. It increases the vitamin B1 digestion.

Imbalances can result in bone demineralization, poor growth, ataxia, convulsions, pollen allergy and affects the endocrine – and nervous system.

Food support: Cardamom, Condurango

### **Program 151.2 – Zinc**

Location: This point is located to the right, in the middle between the navel and the hunch bone.

Description: Zinc is an integral component of many metallo-enzymes in the body. It is involved in the synthesis and stabilization of proteins, DNA and RNA. Zinc is necessary for the binding of steroid hormone receptors and absolutely required for normal spermatogenesis, fetal growth and embryonic development.

Imbalances influence the fat -, protein and carbohydrate digestion. It also affects the stomach, immune system, blood cells, kidney, diabetes, liver, thyroid, nervous system, skin and endocrine function.

Food sources: Meat, Shellfish, nuts, legumes, grains.

### **Program 151.3 – Acidophilus**

Location: This point is located at the first third from the middle sternal line of the right costal arch.

Description: Lactobacillus acidophilus occurs naturally in the gastrointestinal tract, mouth and vagina. It assists in the production of niacin, folic acid and pyridoxine and also assists in bile deconjugation. Antibiotics will kill the beneficial bacteria. Imbalances can result in gastrointestinal disorders, yeast infections and a weakened immune system.

### **Program 151.4 – Vitamin B12 (Cobalamin)**

Location: This point is located at the first third from the middle sternal line of the left costal arch.

Description: Vitamin B12 is an essential cofactor for enzymes in human cells. Imbalances involve the blood, gastrointestinal tract and the nervous system.

Food sources: meat and dairy

### **Program 151.5 – Magnesium**

Location: This point is located to the right, inside the navel

Description: Magnesium is the most abundant intracellular divalent cation. It is an essential cofactor for a multitude of enzymatic reactions that are important for the generation of energy from ATP. It is important for physiologic processes including neuromuscular function and maintenance of cardiovascular tone. Imbalances may involve bones, tendons, teeth, blood, muscle – and nervous system.

Food sources: Fish, green vegetable, legume, cocoa, potatoes, soybeans, grains and nuts.

### **Program 151.6 – Titanium**

Location: This point is located underneath the left shoulder-blade.

Description: Titanium occurs within a number of mineral deposits, which are widely distributed in the Earth's crust and lithosphere. Its most common compound, titanium dioxide, is used in the manufacture of white pigments. Because it is biocompatible, titanium is used in a gamut of medical applications including surgical implements and implants. It has the inherent property to osseointegrate, enabling use in dental and orthopaedic implants, as well as wheelchairs, crutches and body piercing.

### **Program 151.7 – Silver**

Location: This point is located two finger's breadth left to T4 (thoracic vertebra)

Description: Silver occurs as a pure free metal and alloyed with gold, as well as in various minerals. Since ancient times it has long been valued as a precious metal, used to make ornaments, jewellery, tableware, utensils and coins. Today, silver is used in electrical contacts and conductors, in mirrors and in catalysis of chemical reactions. Its compounds are used in photographic films and dilute solutions of silver nitrate and other silver compounds are used as disinfectants. Although the antimicrobial uses of silver have largely been supplanted by the

use of antibiotics, its antiseptic properties are still a useful tool in the prevention and treatment of sepsis and infections caused by antibiotic-resistant microorganisms such as MRSA. Silver ions and compounds show a toxic effect on some bacteria, viruses, algae and fungi. Now, silver-coated dressings are used in addition to silver sulfadiazine cream (SSD) and may present advantages such as pain reduction and capacity for treatment at home. In dentistry, silver dissolves in mercury to make amalgam.

Food sources: In India, foods, especially sweets can be found decorated with a thin layer of silver. Silver as a food additive is given the E number E174 and classified as food coloring.

## REFERENCE LIST OF MICROORGANISMS

**101.1-754 Hz:** Salmonella, Salmonella typhimurium, Streptococcus, Anaplasma marginale

**101.2-811 Hz:** Anaplasma marginale

**101.3-776 Hz:** Actinobacillus, Bronchitis, Cladosporium fulvum, Cystic fibrosis, Diphtheria, E coli, Enterovirus, Epicondylitis, Epstein Barr virus, Erysipelas, Herpes-type 2, Human T lymphocyte Virus3, InfluenzaLyme, Parasites roundworms, Parasites strongyloides secondary, Periodontal disease, Pertussis, Pneumonia\_bronchial, Pneumoniae klebsiella, Polio, Prostatitis, Pyelitis proteus, Pyorrhea, Streptococcus pyogenes, T-lymph virus TR, Ancylostoma braziliense.

**101.4-748 Hz:** Brucella melitensis, Herpes TR, Influenza, Mycogone, Pneumonia, Trichophyton nagel, Ancylostoma caninum

**101.5-790 Hz:** Lyme (cystic form), Ascaris

**102.1-788 Hz:** Diphtheria, Echo Virus, Enterovirus Hepatitis Herpes simplex RTI, Influenza, Rocky Mountain spotted fever, Stomatitis aphthous, Candida, Ascaris megaloccephala.

**102.2-896 Hz:** Measles rubella, Parasites ascaris, Balantidium-coli-zysten

**102.3-689 Hz:** Influenza, SARS, Besnoitia

**102.4-828 Hz:** Candida, Lyme, Capillaria hepatica

**102.5-759 Hz:** Mumps, Pyrogenium mayo, Chilomastix-Zysten

**103.1-830 Hz:** Mycoplasma, Feline Leukemia, Parasites flukes, Botulinum, Microsporium audouini, Stomatitis aphthous, Chilomastix-Zysten (2)

**103.2-769 Hz:** Amoeba, Coxsackie, Herpes simplex , Shigella, Chilomonas

**103.3-831 Hz:** Botulinum, Microsporium audouini, Clonorchis –sinesis

**103.4-800 Hz:** Bacillus infections, Diphtheria, Dyspepsia, E coli Endometriosis Fibromyalgia Herpes zoster, Lumbago, Lyme disease, Morgellons disease, Psoriasis, Retrovirus variants, Ringworm, Streptococcus infection general, Vaginosis, Cryptocotyle lingua

**103.5-783 Hz:** Leukoencephalitis econdary, Measles, Pneumoniae klebsiella Corynebacterium xerosis HC, Mycoplasma, Dientamoeba fragilis.

**104.1-797 Hz:** Lyme and Rocky Mtn Spotted Fever, Parasites-ascaris, Warts verruca, Dirofilaria immitis

**104.2-817 Hz:** Salmonella enteriditis, Trichophyton nagel secondary, Pneumoniae klebsiella, Sinusitis, Echinoporphium recurvatum

**104.3-831 Hz:** Botulinum, Microsporium audouini, Echinostoma revolutum

**104.4-847 Hz:** Endamoeba gingivalis

**104.5-770 Hz:** Bacillus\_Coli, Branhamella Moraxella catarrhalis, Eczema, Furunkulosis, Pyrogenium mayo, Shigella, Tuberculosis aviare, Endolimax nana

**105.1-840 Hz:** Bartonella henslae, Chlamydia general, Chlamydia trachomatis, E\_coli, Lyme, Pneumoniae klebsiella, Endolimax nana (2)

**105.2-775 Hz:** Candida, Botulinum, Branhamella Moraxella catarrhalis, Rhizopus nigricans, Entamoeba histolytica

**105.3-744 Hz:** Cervical polyp, Epstein Bar virus, Influenza virus B, Parkinsons, Entamoeba histolytica (2)

**105.4-822 Hz:** Actinobacillus, Bacillus subtilis, Conjunctivitis, Enterovirus, Herpes simplex 1, Parasites-roundworm, Parasites-trichinosis, Perniciosia, Perniosis, Enterobius vermicularis

**105.5-820 Hz:** Rheumaticus, Rhino pneumonitis, Sinusitis, Bordertella pertussis, Eurytrema pancreaticum

**106.1-822 Hz:** Actinobacillus, Bacillus subtilis, Conjunctivitis, Enterovirus, Herpes simplex 1, Parasites-roundworm, Parasites-trichinosis, Perniciosia, Perniosis, Fasciola hepatica

**106.2-827 Hz:** Amoeba, Candida, Parasites-enterobiasis, Parasites-roundworms, Fasciola hepatica Zerkarien

**106.3-824 Hz:** Influenzinum vesic\_SW, Typhoid fever, Staphylococcus aureus, Fasciola hepatica Eier

**106.4-823 Hz:** Influenza, Tularemia, Fasciola hepatica Mirazidien

**106.5-821 Hz:** Bordertella pertussis, Fasciola hepatica Redien

**107.1-835 Hz:** Dental\_Infections, Morgellons disease, Parasites-enterobiasis, Parasites-roundworms. Rhodococcus, Fasciolopsis buski

**107.2-834 Hz:** Coxsackie-B1, Parasites-liver flukes, Proteus, Fasciolopsis buski Eier

**107.3-838 Hz:** Pneumonia, Tuberculosis, Fasciolopsis-Zerkarien

**107.4-834 Hz:** Coxsackie-B1, Parasites-liver flukes, Proteus, Fasciolopsis-Miraz

**107.5-834 Hz:** Coxsackie-B1, Parasites-liver flukes, Proteus, Fasciolopsis-Redien

**108.1-863 Hz:** Influenza, Lyme, Candida, Fiscoedrius elongates

**108.2-882 Hz:** Staphylococcus, Streptococcus, E-coli, Gastrothylax elongates

**108.3-823 Hz:** Influenza, Tularemia, Giardia-lambia, Giardia-lambia

**108.4-739 Hz:** Influenza, Pullularia pullulans, Gyrodactylus

**108.5-755 Hz:** Parvovirus, Sporotrichum pruticosum, Heamonchus contortus

**109.1-875 Hz:** Dental Infections, Influenza, Mucor racemosus, Pseudomonas mallei, , Staphylococcus, Streptococcus, Hasstile

**109.2-829 Hz:** Mycoplasma, Parasites-giardia, Hypodereum conoideum

**109.3-855 Hz:** Gliocladium, E-coli, Herpes simplex 1, Iodamoeba butschlii

**109.4-777 Hz:** Actinobacillus, Hepatitis, Mycoplasma-pneumonia, Streptococcus viridans, Trichophyton nagel, Iodamoeba butschlii (2)

**109.5-781 Hz:** Hepatitis, Influenza, Parasites-leishmania donovani, Leishmania brasiliensis

**110.1-777 Hz:** Actinobacillus, Hepatitis, Mycoplasma-pneumonia, Streptococcus viridans, Trichophyton nagel, Leishmania donovani

**110.2-781 Hz:** Hepatitis, Influenza, Parasites-leishmania donovani, Leishmania mexicana

**110.3-785 Hz:** Bacillinum, Cryptococcus neoformans, Herpes simplex 1, Influenza,Lyme Mucor\_plumbeus, Pseudomonas aeruginosa, Leishmania tropica

**110.4-776 Hz:** Acidosis, Actinobacillus, ALS\_2, Bells\_Palsy\_1, Bronchitis, Cladosporium fulvum, Cystic fibrosis, Diphtheria, E coli, Enterovirus, Epicondylitis, Epstein Barr virus, Erysipelas, Herpes-type 2, Human T lymphocyte Virus3, Influenza Leukoencephalitis, Lyme, Parasites roundworms comp, Parasites strongyloides secondary, Pelvic\_inflammatory\_disease, Periodontal disease, Pertussis, Pneumonia\_bronchial, Pneumoniae klebsiella, Polio, Prostatitis, Pyelitis proteus, Pyorrhea, Streptococcus pyogenes, T-lymph virus TR, Leucocytozoon

**110.5- 704 Hz:** Loa Loa

**111.1-857 Hz:** Bartonella henslae, Influenza,Cholera, Macracanthorhynchus

**111.2-854 Hz:** Bacillinum, Endometriosis, Tapeworm, Liver Flukes, Metagonimus Yogoawai

**111.3-.80 Hz:** Macracanthorhynchus, Myxosoma

**111.4-697 Hz:** Aspergillus general, Aspergillus niger, Influenza\_1994, Pertussis, Tuberculosis aviare, West Nile 2, Naegleria fowieri

**111.5-852 Hz:** Mycogone fungoides, Mycosis fungoides, Solfeggio scale, Toxoplasmosis, Onchocerca volvulus

**112.1-855 Hz:** Gliocladium, Paragonimus Westermani

**112.2-837 Hz:** Gulf War Syndrome, T-lymph virus TR, Passalurus ambiguus,

**112.3-815 Hz:** Salmonella enteriditis, Plasmodium cynomogi

**112.4-727 Hz:** Actinomyces israelii, Autointoxication, Bacillus infections, Candida 2, Conjunctivitis, Dengue fever TR, Fungus general, Herpes simplex, Influenza, Lichen planus, Mumps tertiary, Staph infection, Plasmodium falciparum

**112.5-855 Hz:** Gliocladium, Plasmodiumvivax

**113.1-792 Hz:** Cryptococcus neoformans, Lyme, Pneumocystis carinii

**113.2-775 Hz:** Botulinum, Branhamella Moraxella\_catarrhalis, Rheuma, Rhizopus nigricans, Prosthogonimus macrorchis

**113.3 879 Hz:** Carvularia spiratera, Staphylococcus general, Streptococcus infection general  
Campylobacter pyloridid HC, Herpes simplex II, Sarcocystis

**113.4-923 Hz:** Cocksackie General, Trichophyton rubrum, Erwinia carotovora HC, Streptococcus pyogenes HC, Schistsoma haematobium

**113.5-689 Hz:** Influenza, Parasites general, Lyme, Schistsoma mansoni

**114.1-893 Hz:** Cryptosporidium, Pemphigus, Stephanurus dentalus

**114.2-789 Hz:** Spriochetal Bacteria, Stigeoclonium

**114.3-778 Hz:** Actinobacillus, Branhamella Moraxella\_catarrhalis, Bronchiectasis, Entamoeba histolytica, Epicoccum, Epstein\_Barr\_virus\_secondary, Herpes Simplex 1, Lymphangitis, Pneumonia general, Rhodo torula, Streptococcus viridans, Candida, Strongyloides

**114.4-712 Hz:** Gonorrhoea, Herpes simplex, Influenza grippe, Streptococcus hemolytic, Typhoid fever, Toxoplasmosis,

**114.5-788 Hz:** Diphtheria, Echo Virus, Enterovirus General, Hepatitis general, Herpes simplex, Influenza, Monotospora, Rocky\_Mountain spotted fever, candida, Trichinella spiralis

**115.1-738 Hz:** Dematium nigrum, Epstein Barr virus, Parasites-strongyloides secondary, Staphylococcus aureus, Trichomonas vaginalis

**115.2-758 Hz:** Aspergillus, Lyme, Rocky Mtn. Spotted Fever, Trichuris

**115.3-826 Hz:** Enterobiasis, Roundworms, Trypanosoma braucei

**115.4-898 Hz:** Legionella, Clostridium botulinum, Naegleria fowleri, Trypanosoma cruzi

**115.5-848 Hz:** Bartonella henslae, Blastocystis hominis, Herpes type 2, Streptococcus, Trypanosoma equiperdum

**116.1-769 Hz:** Amoeba, Shigella, Trypanosoma gambiense

**116.2-829 Hz:** Adenovirus HC, Giardia, Mycoplasma, Trypanosoma lewisi

**116.3-827 Hz:** Amoeba enterobiasis, Adenovirus, Trypanosoma rhodesiense

**116.4-863 Hz:** Influenza, Yeast, Urocleidus

**116.5-790 Hz:** Mycoplasma fermentans, Lyme, Plantarwarts

**117.1-785 Hz:** Bacillium, Cryptococcus neoformans, Herpes simplex I, Herpes TR, Mucor plumbeus,

**117.2-832 Hz:** Dysentery, Dyspepsia, E coli, Entamoeba\_Mycoplasma\_salivarium\_1, Shigella,

**117.3-897 Hz:** Legionella, Clostridium botulinum, Naegleria fowleri,

**117.4-849 Hz:**

**117.5-857 Hz:** Bartonella henslae, Pseudomonas mallei

**118.1-786 Hz:** Adenovirus, Bartonella henslae, Campylobacter, Entamoeba, Herpes zoster, Staphylococcus, Streptococcus,

**118.2-817 Hz:** Trichophyton nagel

**118.3-789 Hz:** Shigella sonnei Streptococcus mitis, Spirochetal bacteria

**118.4-853 Hz:** Alternaria tenuis, Bacillium, Cysticercus fasciolaris

**118.5-912 Hz:** Bacillus anthracis, Campylobacter, Salmonella, Streptococcus pneumoniae, Diphyllbothrium erinacei mans. Scolex

**119.1-884 Hz:** Fungus, Lyme and Rocky Mtn Spotted Fever, Diphyllbothrium latum

**119.2-858 Hz:** Bartonella henslae, Mycoplasma HC, Dipylidium caninum

**119.3-882 Hz:** Herpes I, Echinococcus granulosus

**119.4-882 Hz:** Herpes I, Echinococcus granulosus

**119.5-861 Hz:** Influenza, Candida, Echinococcus granulosus, Zysten

**120.1-890 Hz:** Echinococcus multilocularis

**120.2-933 Hz:** Hepatitis C, Mold, Hymenolepis cysticercoids

**120.3-869 Hz:** Hepatitis B, Influenza, Typhoid fever, Hymenolepis diminuta

**120.4-840 Hz:** Bartonella\_henslae, Chlamydia trachomatis, E coli, Moniezia

**120.5-840 Hz:** Bartonella\_henslae, Chlamydia trachomatis, E coli, Moniezia expansa

**121.1-885 Hz:** Actinobacillus, Influenza haemophilus, Staphylococcus, Streptococcus, Multiceserialis

**121.2-928 Hz:** Candida, Taenia pisiformis

**121.3-908 Hz:** Candida, Taenia pisiformis eggs

**121.4-930 Hz:** Malaria, Taenia saginata

**121.5-927 Hz:** Enterobacter enterogenes, Gonorrhoea neisseria, Taenia solium

**122.1-867 Hz:** Erwinia amylovora\_HC, Gaffkya tetragena, Taenia solium  
Influenza

**122.2-666 Hz:** Coeliacia, Hepatitis C, Morgellons disease, Demodex folliculorum

**122.3-690 Hz:** Actinomyces israelii, Adenovirus comp, Entamoeba histolytica secondary, Tuberculosis, Typhoid fever, Dermatophagoides

**122.4-701 Hz:** Follicular mange, Herpes type C, Parasites

**122.5-856 Hz:** E coli, Herpes Simplex 1, Ornithonyssus

**123.1-717 Hz:** Salmonella paratyphi B, Hepatitis A, Sarcoptes scabiei, Blue Green Algae

**123.2- 0.5 Hz:** Bryozoa Cristalla

**123.3-773 Hz:** Actinobacillus, Enterobiasis, Roundworm, Salmonella typhi

**123.4-562 Hz:** Canine Parvovirus, Hepatitis, Mucor mucedo

**123.5-644 Hz:** Epidermophyton floccinum, Lyme secondary, Mycoplasma fermentans, Staphylococcus, Rhizobium meliloti

**124.1-562 Hz:** Canine Parvovirus, Hepatitis, Rhizobium meliloti

**124.2-773 Hz:** Actinobacillus, Enterobiasis, Roundworm, Salmonella typhi, Erkaltungsvirus

**124.3-707 Hz:** Salmonella paratyphi, Fungus

**124.4-775 Hz:** Candida, Botulinum, Branhamella Moraxella catarrhalis, Rhizopus nigricans, Entamoeba histolytica, Caries

**124.5-750 Hz:** Influenza virus B, Pullularia pullulans, Trichophyton nagel, Caries

**125.1-718 Hz:** Caries

**125.2-638 Hz:** Bacteroides fragilis

**125.3-572 Hz:** Herpes zoster

**125.4-739 Hz:** Parasites-roundworm, Parasites-strongyloides

**125.5-575 Hz:** Cryptosporidium

**126.1-910 Hz:** Candida

**126.2-751 Hz:** Basidiomycetes, Candida tertiary, Cyclospora

**126.3-544 Hz:** Cephalosporium, Geotrichum candidum

**126.4-828 Hz:** Candida, Lyme, Capillaria hepatica

**126.5-664 Hz:** Salmonella typhi, Tuberculinum, Herpes 1

**127.1-596 Hz:** Enterovirus, Trichophyton nagel

**201.1-734 Hz:** Epicoccum, Herpes simplex I, Influenza haemophilus, Measles rubella, Stomatitis aphthous , Yellow fever, Aflatoxin

**201.2-710-Hz:** Crocus sotillus, Streptococcus hemolytic, Cytochalasin B

**201.3-562 Hz:** Canine Parvovirus, Hepatitis, Mucor mucedo, Griseofulvin

**201.4-576 Hz:** Struma parenchyma

**201.5-541 Hz:** Influenza grippe, roundworm, trichinosis, Tuberculosis

**202.1-687 Hz:** Branhamella Moraxella catarrhalis, Geotrichum candidum, Sporotrichum pruticosum, Sterigmatocystin

**202.2-781 Hz:** Leishmania donovani, Zearalenon

**202.3-632 Hz:** E coli, Rickettsia, Bacteroides fragilis

**202.4-984 Hz:** Cerumen, Influenza, Candida,

**202.5-824 Hz:** Influenzinum vesic SW, Typhoid\_fever, Staphylococcus aureus, Staphylococcus

**203.1-767 Hz:** Hepatitis B, Papilloma, Adenovirus

**203.2-725 Hz:** T-lymph virus, Trichophyton, Adenovirus

**203.3-720 Hz:** Influenzinum Berlin, Meningococcus Virus, Rhodococcus, Rickettsia, Streptococcus pyogenes, Tuberculosis aviare, Alpha- streptococci

**203.4-768 Hz:** Actinobacillus, Adenovirus, Campylobacter, Canine parvovirus type B, Entamoeba histolytica, Fusarium, Icterus haemolytic, Bacillus anthracis

**203.5-708 Hz:** Coxsackie Bacillus anthracis

**204.1-701 Hz:** Follicular mange, Herpes, Bacillus cereus

**204.2-764 Hz:** Influenza-Bach Poly, Mycogone\_fungoides, Nigrospora, Penicillium chyrosogenium, Rhodococcus, Bacillus subtilis

**204.3-729 Hz:** Mucor racemosis, Mycogone fungoides, Tuberculosis klebsiella

**204.4-726 Hz:** Rickettsia, Trichophyton

**204.5-814 Hz:** Coxsackie B6, Influenza

**205.1-707 Hz:** Salmonella paratyphi

**205.2-633 Hz:** Bacteroides fragilis, Gliocladium, Gulf War Syndrome Hepatitis C, Pseudomonas aeruginosa, Bacteroides fragilis

**205.3-636 Hz:** Bacteroides fragilis, Herpes

**205.4-743 Hz:** Aspergillus, Malaria, Beta streptococcus

**205.5-792 Hz:** Cryptococcus neoformans, Blepharisma

**206.1-644 Hz:** E coli, Herpes Simplex 1, Ornithonyssus, Bordetella pertussis

**206.2-740 Hz:** Guillain Barre Syndrome, Influenza virus B, Lichen planus, Lichen sclerosus, Morgellons disease, Borellia burgdorferi

**206.3-771 Hz:** Influenza Bach Poly, Parasitesn nematode, Trichophyton, Candida, Branhamella catarrhalis

**206.4-713 Hz:** Mucor racemosis, Campylobacter

**206.5-687 Hz:** Branhamella Moraxella catarrhalis, Geotrichum candidum, Sporotrichum pruticosum, Streptococcus Candida-tertiary, Mycoplasma pneumonia, Pyrogenium mayo, Streptococcus pneumoniae, Campylobacter

**207.1-750 Hz:** Cerumen, Herpes simplex, Trichophyton nagel, Candida Albicans

**207.2-727 Hz:** Actinomyces israelii, Autointoxication, Bacillus infections, Candida 2, Conjunctivitis, Dengue fever TR, Fungus general, Herpes simplex, Influenza, Lichen planus, Mumps tertiary, Staph infection, Plasmodium falciparum, Bazillenausstrich

**207.3-741 Hz:** Sinusitis maxillaries, Chlamydia trachomatis

**207.4-747 Hz:** Nocardia, Streptothrix, Clostridium acetobutylicum

**207.5-705 Hz:** Coxsackie B2, Fusarium oxysporum, Helicobacter pylori, Neurospora sitophila Campylobacter, Clostridium botulinum

**208.1-769 Hz:** Amoeba, Coxsackie, Herpes, Shigella, Clostridium perfringens

**208.2-707 Hz:** Salmonella paratyphi, Clostridium septicum

208.3-664 Hz: Lyme, Mycoplasma, Salmonella, Corynebacterium diphtheriae

**208.4-616 Hz:** Erysipelas, Histoplasma, Malassezia furfur, Streptococcus pyogenes, Corynebacterium xerosis

**208.5-704 Hz:** Mycoplasma fermentans, Campylobacter, Coxsackie virus B-1

**209.1-705 Hz:** Coxsackie B2, Fusarium oxysporum, Helicobacter pylori, Neurospora sitophila Campylobacter,

**209.2-710 Hz:** Crocus sotillus, Streptococcus hemolytic, Coxsackie virus B-4

**209.3-797 Hz:** Lyme and Rocky Mtn Spotted, Parasites-ascaris, Ringworm, Cytomegalovirus antigen

**209.4-836 Hz:** Influenza grippe, Cytophaga rubra

**209.5-699 Hz:** Cryptosporidium, Lyme, Diplcoccus diphtheria

**210.1-686 Hz:** Mucor racemosis, Diplcoccus pneumonia

**210.2-741 Hz:** Sinusitis maxillaries

**210.3-730 Hz:** Influenza, West Nile, Eikenella corrodens

**210.4-727 Hz:** Actinomyces israelii, Autointoxication, Bacillus infections, Candida 2, Conjunctivitis, Dengue fever TR, Fungus general, Herpes simplex, Influenza, Lichen planus, Mumps tertiary, Staph infection, Plasmodium falciparum, Bazillenausstrich, Enterobacter aerogenes, Epstein-Barr virus

**210.5-678 Hz:** Actinobacillus, Hormodendrum, Mycosis fungoides, Staphylococci infection, Streptothrix, Erwinia amylovora

**211.1-718 Hz:** Herpes type 2A, Erwinia carotovora

**211.2-695 Hz:** Brucella melitensis, Helicobacter, Hormodendrum, Escherichia coli

**211.3-765 Hz:** Echo Virus, Influenza, Lyme, Pneumonia klebsiella, Trichophyton nagel secondary, Trichophyton tonsuraus, Escherichia coli

**211.4-673 Hz:** Clostridium difficile, Lyme, Pyrogenium suis, Mycoplasma general, Gaffky tetragena

**211.5-660 Hz:** Entamoeba histolytica, Epstein\_Barr, Furunkulosis, Gonorrhoea, Herpes progenetalis, Influenza, Mycoplasma pneumonia, Treponema\_pallidum, Gardnerella vaginalis

**212.1-657 Hz:** Coxsackie B6,

**212.2-809 Hz:** Erythema infectiosum

**212.3-568 Hz:** Aflatoxin, Herpes simplex Type 1

**212.4-775 Hz:** Botulinum, Branhamella Moraxella catarrhalis, Herpes simplex Type 1

**212.5-691 Hz:** Botulinum, Streptococcus hemolytic, Herpes simplex Type 2

**213.1-831 Hz:** Botulinum, Microsporium audouini, Stomatitis aphthous, Herpes Zoster

**213.2-735 Hz:** Amoeba, Campylobacter, Herpes type 2, roundworm, Ringworm, Histomonas meleagridis

**213.3-582 Hz:** Candida, Histoplasma capsulatum

**213.4-712 Hz:** Lichen planus, Lichen sclerosus, Morgellons disease,

**213.5-612 Hz:** Echo Virus, Enterovirus, Influenzinum vesica, Leptospirosis, Influenza A and B

**214.1-778 Hz:** Actinobacillus, Branhamella Moraxella catarrhalis, Bronchiectasis, Epicoccum, Epstein Barr\_virus, Mucor racemosus secondary, Rhodo torula, Streptococcus viridans, Klebsiella pneumoniae

**214.2-814 Hz:** Coxsackie B6, Klebsiella pneumoniae

**214.3-675 Hz:** Candida tropicalis, Leptospira interrogans

**214.4-775 Hz:** Candida, Botulinum, Branhamella Moraxella catarrhalis, Rhizopus nigricans, Entamoeba histolytica, Leptospira interrogans

**214.5-721 Hz:** Enterovirus, giardia, roundworms, strongyloides,

**215.1-737 Hz:** Geotrichum candidum, Pseudomonas mallei,

**215.2-800 Hz:** Bacillus infections, Diphtheria, Dyspepsia, E coli Endometriosis Fibromyalgia Herpes zoster, Lumbago, Lyme disease, Morgellons disease, Psoriasis, Retrovirus variants, Ringworm, Streptococcus infection general, Vaginosis, Cryptocotyle lingua, Mycobacterium phlei

**215.3-840 Hz:** Bartonella henslae, Chlamydia trachomatis, E coli, Mycobacterium tuberculosis

**215.4-630 Hz:** Lyme, Mycoplasma

**215.5-669 Hz:** Epstein Barr, Mycoplasma

**216.1-652 Hz:** Influenza haemophilus, Neisseria gonorrhoea

**216.2-693 Hz:** Herpes simplex, Legionella, Nocardia asteroidis

**216.3-710 Hz:** Crocus sotillus, Streptococcus hemolytic, Cytochalasin B, Nocardia asteroides

**216.4-749 Hz:** Histoplasma, Lyme, strongyloides, Nocardia asteroides

**216.5-626 Hz:** Proteus mirabilis

**217.1-675 Hz:** Candida tropicalis, Proteus mirabilis

**217.2-798 Hz:** Lyme, Proteus vulgaris

**217.3-651 Hz:** Liver flukes, Proteus vulgaris

**217.4- 639 Hz:** Gulf War Syndrome, Proteus vulgaris

**217.5-646 Hz:** Crinis humansis

**218.1-740 Hz:** Lichen planus, Lichen sclerosus , Morgellons disease, Respiratory Syncytial Virus

**218.2-642 Hz:** Salmonella enteriditis

**218.3-712 Hz:** Lichen planus, Lichen sclerosus, Morgellons disease

**218.4-746 Hz:** Fusarium, Influenza haemophilus, Mycogone fungoides, strongyloides, Salmonella typhimurium

**218.5-682 Hz:** Cytomegalovirus, Herpes, Influenzinum vesica, Rhodococcus, Serratia marcescens

**219.1-761 Hz:** Mycogone fungoides, Mycoplasma salivarium, Myocarditis narbe, Shigella dysenteriae

**219.2-769 Hz:** Amoeba, Coxsackie, Herpes, Shigella, Clostridium perfringens, Shigella flexneri

**219.3-621 Hz:** Phoma\_Destructiva, Shigella

**219.4-758 Hz:** Aspergillus glaucus, Influenza virus, Spaerotilus natans

**219.5-738 Hz:** Atherosclerosis, Dematium nigrum, Epstein Barr virus, Herpes\_zoster\_v, Roundworms, Parasites strongyloides, Staphylococcus, Spirillum serpens

**220.1-734 Hz:** Epicoccum, Staphylococcus aureus

**220.2-744 Hz:** Epstein Barr, Staphylococcus aureus

**220.3-746 Hz:** Mycogone fungoides, Streptococcus lactis

**220.4-612 Hz:** Echo Virus, Enterovirus, Influenzinum vesica, Leptospirosis, Influenza A and B, Streptococcus mitis

**220.5-716 Hz:** Bartonella henslae, Herpes type 2A, Herpes zoster, Streptococcus pneumonia

**221.1-704 Hz:** Streptococcus pneumonia

**221.2-719 Hz:** Nocardia asteroides, Salmonella paratyphi,

**221.3-752 Hz:** Hepatitis B, Influenza grippe, roundworms, strongyloides, Trichophyton rubrum

**221.4-834 Hz:** Coxsackie B1

**221.5-677 Hz:** Treponema pallidum

**222.1-737 Hz:** Dematium nigrum, Epstein Barr virus, Troglodytella abrossari

**222.2-814 Hz:** Coxsackie B6, Klebsiella pneumoniae, Troglodytella abrossari

**222.3-784 Hz:** Epidermophyton floccinum, Staphylococcus aureus, Veillonella dispar

### **Treatment example:**

Your patient is connected to the ONDAMED® by the neck applicator. While you turn the wheel of the Regulator of the ONDAMED® and scroll through these frequencies, you simultaneously palpate the radial pulse.

Then you suddenly feel a pulse change (increase or decrease of amplitude) – in short – you feel “something” happen with the pulse and there will be the number 11.31 on the upper display.

You look up your frequency chart and realize that 11.31 belongs to the gall bladder. Instantaneously you know that the gall bladder has something to do with the patient’s health problem. Whatever the complaints of the patient may be: either atrial fib, or joint pain, or tinnitus, or migraine etc. You will keep in mind that aspect of a gall bladder involvement.

This can kick on a cascade of medical tests, procedures, interrogations, options for additional medication, and foremost, the treatment with frequency 11.31 Hz.

More: Now you can take advantage of a variety of pre-set programs relating to the gall bladder / bile system.

More: Feel free to scroll through the EMP fields of Module II. There you may find a “pulse change” at 205.1 shown on the display. You look up the microorganism related frequencies chart and find “Salmonella typhimurium”.

But foremost: Now you are and feel qualified for a strong and secure explanation about what is going on in that patient. Correlating your findings with her/his health records, you will be as fascinated as I have been for years. You changed two lives; the patient’s and yours as a doctor.

## **GEOPATHY AND TRANSMITTER RADIATION INTOXICATION**

Scientists who do research on Geopathy were of the view that radiation distortions were a natural phenomenon which could make a site unsafe for building anything over it. These distortions would result in a distorted energy field in the structure if it was near or over the distorted point. They put forth the theory that this could result in unhappy homes and sickness.

Many of us have heard about advertisements on “right rotating lactic acid” which is supposed to be a healthy ingredient in certain foods such as yogurt, etc.

Left or right rotation of chemical substances is a physical quality which can be demonstrated in physics by sending polarized light through a prism and then through a particular chemical solution. Glucose solution would rotate the level of polarized light to the right. Accordingly it is called “dextrose” deriving from the Latin word ‘dexter’, which means ‘right’.

Our blood should have the physical quality of a right rotating solution. Functions in biological systems (blood or urine) are dependent upon certain isomers (left or right rotating molecules). While blood is right rotating, urine rotates to the left. If blood turns to be left rotating, the person would feel tired all the time and would certainly go downhill. Recovery from disease would be slim. In fact, left rotating blood quality is a number one blocker for any therapy. The reason seems to be a distorted energy field of our body which, as you may know now, functions on electronic semi conduction.

Certain conditions such as chronic inflammation of our organs or exposition to transmitters, etc. have the potential to distort our energy field respectively of the blood.

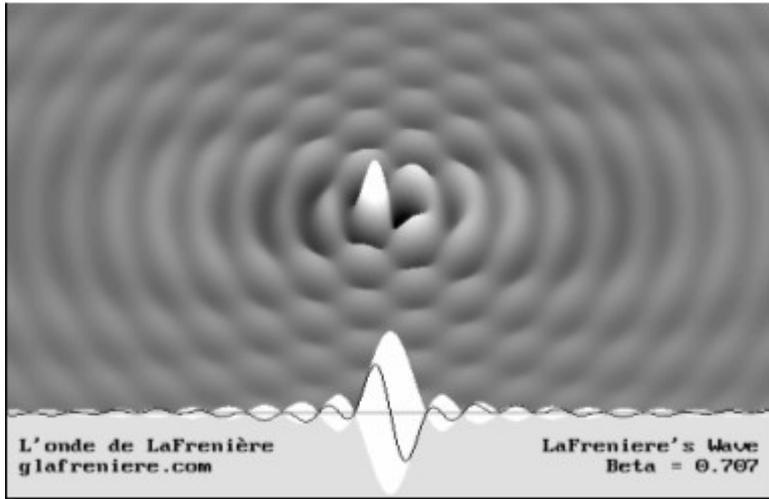
Since our energy fields are based on harmonics to provide a healthy structure, distorted fields seem to interfere here. With ONDAMED® program 47 we have seen a breakthrough in patients who have been resistant to therapies due to transmitters or chronic infection. If program 47 shows up for the patient in testing and the program is applied, the patient will have a fast turn-around responding to further therapies. Program 47 is also needed for a very successful therapy to stop smoking. There are about 20 centers in Denmark which successfully treat nicotine abuse. One to three ONDAMED® sessions are usually needed.

**Below: Treatment of interference using Program 47. This program is used for the desensitization of electromagnetic overloads in the body as well as geopathic dysfunction. Treatment with both neck applicator around the neck and matrix applicator in vertical position.**



## THE ELECTRON AND PHASE SHIFT

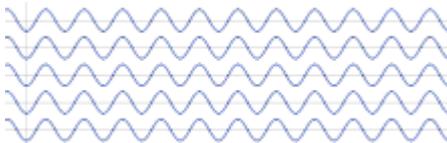
Below: This is an electron. It is a harmonious standing wave. The In-wave travels to the vortex (center). There it will turn around 180° and becomes the Out-wave. There is a phase shift of 180°. Phase shift between two waves is regarded to render a signature (information)\*



\*Phase shift: In terms of two or more matter waves, phase can be thought of as how the waves line up or match with each other. Two waves can be in phase with respect to their amplitudes (the size of their peaks and troughs is the same), but displaced (shifted out of phase) in relation to time (where one wave is moving ahead or behind of the other). Note: electrons or protons always live in pairs. No “particle” has exactly the same quantum quality. So their waves with their phase shifts – although there may be matching properties through equal frequencies – will produce energy and information through phase shift when the two waves are meeting in space.

### Phase difference:

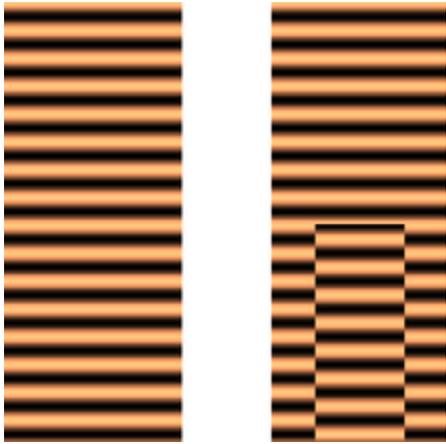
Below: In-phase-waves



Below: Out-of-phase-waves



**Left:** the real part of a plane wave moving from top to bottom. **Right:** the same wave after a central section underwent a phase shift, for example, by passing through a glass of different thickness than the other parts.



Two oscillators that have the same frequency and different phases have a **phase difference**, and the oscillators are said to be **out of phase** with each other. The amount by which such oscillators are out of step with each other can be expressed in degrees from  $0^\circ$  to  $360^\circ$ , or in radians from 0 to  $2\pi$ . If the phase difference is 180 degrees ( $\pi$  radians), then the two oscillators are said to be in antiphase.

## SPACE RESONANCE THEORY OF MILO WOLFF

The theory presupposes that space (which cannot be visualized as a physical substance, such as ether) is the basic “entity” of the universe. And is filled with spherical waves – what he calls In waves and Out waves. These waves can be thought of as convergent and divergent, that is, the two waves shortly combine at the center before reversing direction. Because they are of the same frequency, they form a standing wave. The amplitude of the wave is scalar\*, and it is finite at the wave centre. If you could see the standing waves, they would look like the layers of an onion, for the In waves and Out waves are spherical waves. When such a spherical wave interacts with another spherical wave, they act as coupled oscillators. An energy exchange only takes place, when the two frequencies of the oscillators match. A space resonance – a change in the properties of space – results from the interaction of these two waves. The resulting space resonance can take one of many different forms and so can display differing properties depending on how the In waves and Out waves interact, with the simplest resonance displaying the properties of an electron. In other words, the electron manifests itself as a resonance in space between two different spherical waves. The properties that we call different particles (protons, neutrons, etc) all arise from the changes in space through space resonance between two or more coupled oscillators (spherical waves) , for space is the fundamental property of the universe. So it can be said that ‘particles’ are located at the centre of the In wave and Out wave interactions, where the resulting space resonances produce the properties we have come to associate with the three fundamental quantum entities: electrons, protons, and neutrons. Finally, the laws of quantum mechanics and special relativity result from the motion (see below) of space resonances in relation to other space resonances:

Wolff’s theory explains the **minimum amplitude** principle. This principle is of primary importance, describing that “the total amplitude of all particles in space always seek a minimum at every point. As a result, the centres of space resonances move, accompanied by frequency changes (energy exchanges), so as to approach the minimum value”.

These may be the ways, structure, energy, and information are built up. See the “structured” interference patterns of standing waves as shown above.

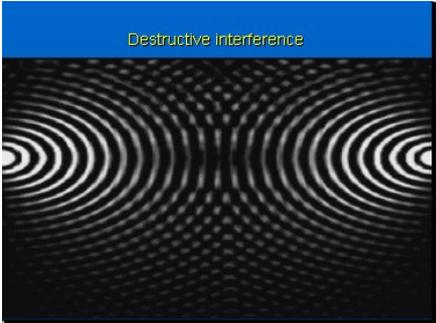
( From: Peter H. Fraser, Harry Massey, and Joan Parisi Wilcox, *Decoding The Human Body – Field*, Healing Arts Press, 2008, page 160-161)



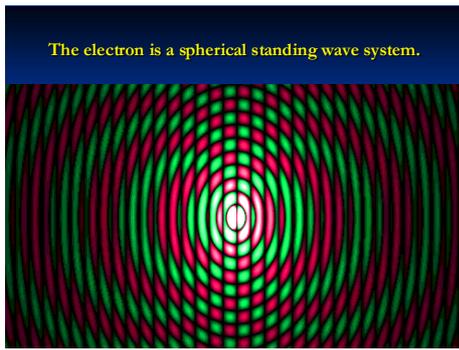
**Above: Space shall be expressed. Wavelike movements create a sculpture of dynamic energy. Gleb Derujinsky 1888-1975, Bronze 1954 Brookgreen Gardens, South Carolina, USA**

**\*A scalar wave is a mathematical quantum wave with no direction and not an electromagnetic vector wave.**

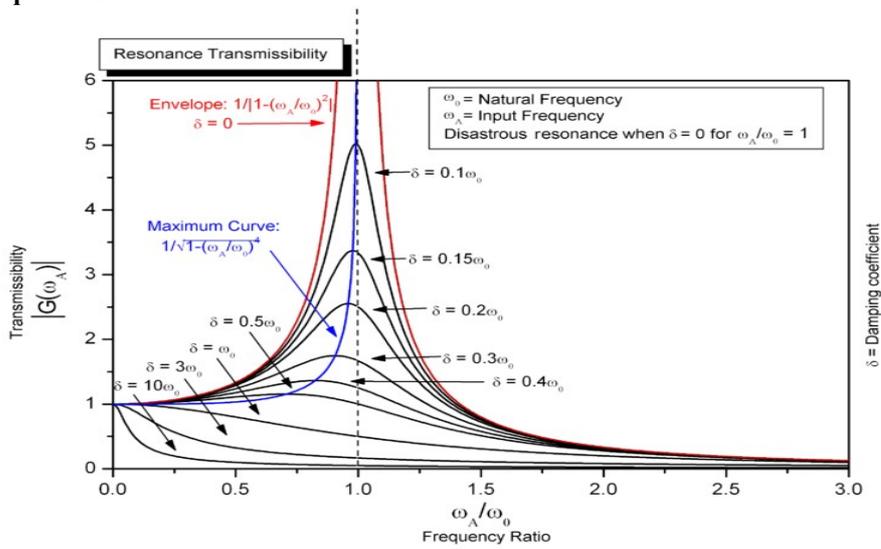
**Below: Two interfering linear waves produce a signature. Spherical (three dimensional waves are mathematically much more complicated. In order to visualize structure in space, you must visualize two spherical interacting waves with their centres overlapping.**



Below: The electron is a three dimensional spherical wave



Below: In physics, resonance is the tendency of a system to oscillate at maximum amplitude at certain frequencies



## WORKING WITH FIELDS

As you have learnt so far, physics has entered the realm of medicine in the 20th and 21st century. Not later than 1970 the MRI has been used in hospitals all over the world. Watching an MRI photograph - although you cannot see the underlying invisible magnetic field of the liver, heart, brain etc., you have understood that there is nothing mystic about the images. They are based on quantum fields. You are dealing with hydrogen and electron rich fields which are “electronically” controlling chemistry in your body and which are rich in energy. They impart information (photons, resonances) to the chemical world and the proteins of our body in order to jump start chemical reactions (through space resonance of the electrons). It does not take much fantasy to realize, that we have to correct our belief system where and on which level health problems start. By all means our awareness is already quite close to the facts. Think of cell phones and transmitters which radiate unhealthy waves and information. A friend of mine recently told me, that his cell phone definitely caused a hearing impairment on his right ear. Most of you also know, how dangerous gamma rays and x-rays may be if exposed to them in large quantities. Those frequencies and their quantum electrodynamics cause destructive resonance with physiological processes in our body.

Life systems are *supported* by waves with long wave lengths and very low frequencies such as ONDAMED. Our systems in the body operate on low frequencies such as the brain waves (about 7.8 Hertz). Logging on to the low frequencies – as shown by Sisken and Walker in numerous studies – resonance phenomena would produce photonic information of equivalent wave length.

It is the information given by light quanta (photons) of specific wave length, colour, and frequency which universally governs matter and life.

The intelligence of ONDAMED is it that it renders the healing and repair information for ailing cells and tissues on the quantum electrodynamics level. Each organ field resonates to different frequencies as are the meridians in TCM (Traditional Chinese Medicine). In order to boost the repair field of an ailing organ or tissue, ONDAMED must log on to its specific frequency pattern. As meridians resonate to specific frequencies, so do all areas, tissues, and organs of the body. The Massachusetts Institute of Technology (MIT) already published research in the late 90ies, showing that each organ is emitting a specific electromagnetic spectrum. Accordingly these fields would resonate to specific and individual frequencies.

## WORKING WITH FIELDS 2

Working with organ fields, we have to be aware, that the field, we have chosen to work with, may not just touch the liver field, or colon field etc., but it is also linked to parts of other organs such as the retina and iris, if you treat the liver field; or hormones which control the uterus or the prostate when treating the liver field. As meridians in TCM are connected to a vast variety of organ functions, areas, and physiological processes, so is working with one field. Using the ONDAMED, you are covering a vast territory of interconnected physiological functions. We have seen in numerous cases that an elevated PSA can be nicely brought back to normality by treating the liver field. Without treating the liver field I did not have any success in those cases. Certain health disorders prefer certain fields. For instance: it is long known that electromagnetic stress has an affinity to the spleen/pancreas field. Treating the acupuncture point spleen/pancreas 4a (according to S. Karz), cleanses the body from electromagnetic stress. Treating the spleen/pancreas field with program 47 of the ONDAMED is an option to counteract electro magnetic stress. Further: using the software of ONDAMED in order to visualize the tested frequencies of a particular patient may show a preference of the colour of the kidney field. Accordingly, one could treat the kidney field with one of the kidney frequencies as opposed to selecting other frequencies. The kidney field is well connected to the brain as is the stomach field. Any brain disorders – if kidney frequencies are tested – could be well treated by specific kidney frequencies.

In addition, Peter Fraser describes his matching testing results in his book “Decoding The Human Body Field”. Based on TCM and electro dermal testing methods he verified many connections we have not been aware of so far. I want to mention some of them below:

Treating with colon frequencies one would touch much of the nervous system except the motor neurons. The motor neurons apparently are connected to gall bladder frequencies.

Treating with colon frequencies you would communicate not with the anus, rectum, or sigmoid. These structures seem to be linked to the kidney meridian. Heart and lung frequencies seem to have a link to parasites since many of them spend part of their life cycle in those fields. Small intestine frequencies gravitate heavily to spinal muscles and bones. More research is necessary to find out how much we can help patients with ALS by treating the small intestine. I personally had a few patients with ALS and they all showed impaired function of their small intestine field. We found that out by electro acupuncture according to Helmut Schimmel. Further, treating the small intestine is an option in any case of parasitic infection, food intolerance, or osteoporosis. The heart seems to be linked to the midbrain, a centre of the autonomic nervous system and there are hints that blood pressure, temperature, ph balance, and blood sugar are energetically linked to them. Treating the small intestine field apparently links to the parathyroid glands. This makes much sense, since allergies largely originate in the small intestine, its impaired functions of the mucosa, food intolerances etc. Allergies are also linked to Calcium, and the parathyroid glands take care of the calcium metabolism. ONDAMED would easily find out the location of any parasites, bacteria, or viruses when using the scanning method. It is well known, that micro organisms have their preferential host tissues. Anyway, the ONDAMED finds the specific structure to each health problem using the four modules as well as the ~MC MF~ (Main Complaint - Main Focus) method.

In case of Parkinson’s disease or any other disorder, the method will provide you with the complete frequency structure needed to find and treat the distorted fields.

## PERMITTIVITY IN SPACE (DIELECTRIC CONSTANT “KAPPA”)

To understand “permittivity” (dielectric constant) of coupled oscillators, please follow me step by step:

Space is the entity of everything. Waves are travelling in space. Spherical waves – three dimensional waves - look like a ball with layers like an onion. When two or more spherical waves meet in space and if their frequencies are matching, they become coupled oscillators, resonance will take place. Each spherical wave consists of an In-wave and Out-wave which are in 180° antipode to each other. The convergent In-wave would reverse to a divergent Out-wave at the centre of the spherical wave. The centre is a vortex of condensed “matter”. When two spherical waves meet and their centres are overlapping, resonance takes place and there will also be interference between both of them. New structure, a new signature is created. Little change in amplitude and frequency of the new structure occurs, which is the result of interference of these two overlapping spherical waves. Since – according to Milo Wolff – there is always the tendency to adopt the minimum possible amplitude between waves; the interference creates a new wave structure with lesser amplitude and different frequency. Frequency is dependent on amplitude. Change of amplitude will change frequency. Changing of amplitude and frequency will make the centre move a little bit in relation to other wave systems. This would be additional mathematical information in space. These are the parameters which have created a new wave structure through interaction of two or more meeting spherical waves. The new wave structure has a different space permittivity or dielectric constant. It would resonate differently. See the picture of the bells below. Each bell only resonates to specific frequency and tone.

The new structured wave system represents a body of energy and information which is resonating at its own – new dielectric constant with other structures. Apparently this new structure is capable to couple and oscillate with repair particles (waves) of ailing tissues. This can explain the healing modality of ONDAMED.

As seen on any meridian chart, the meridians and their fields are connecting distant parts and physiological functions of the body with each other.

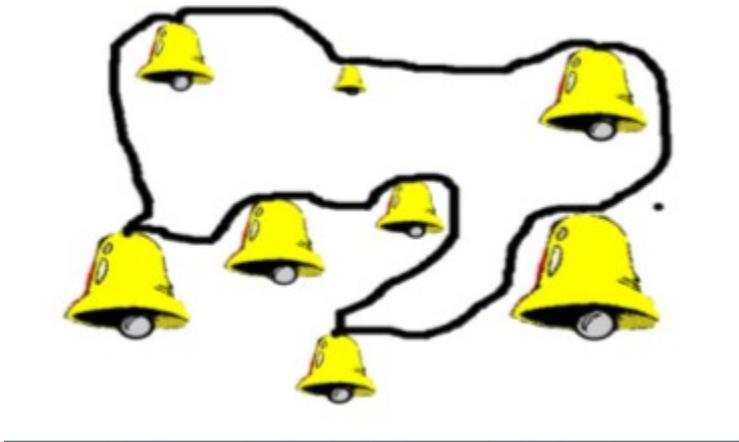
If you imagine both the meridian and an organ as a wave structure, meridians are coupled oscillators together with certain organs, tissues, or physiological functions. This can be tested by electro dermal screening or other methods such as the ONDAMED.

What are we testing when we find a match between two wave systems?

When two matching wave systems meet in space and start resonating, they create a new structure, new information. This is because their wave shift, accompanied by frequency change in the overlapping centres and the associated moving of the centres through their frequency change, will create a “body” of specific permittivity (dielectric constant) in space. \* We actually test the dielectric constant of a wave structure in space.

\*Dielectric constant, kappa, is: each body or wave structure only resonates to a very specific tone or frequency. ONDAMED creates wave structures (photons – information) with dielectric constants, which match the ailing tissues.

Below: Each bell has a different dielectric constant ( $\kappa$ ) and is resonating to a different tone.



Below: Some healing frequencies found by the research of Sisken and Walker

2 Hz	nerve regeneration, neurite outgrowth from cultured ganglia
7 Hz	bone growth
10 Hz	ligament healing
15, 20, 72 Hz	decreased skin necrosis, stimulation of capillary formation and fibroblast proliferation
25, 50 Hz	synergistic effects with nerve growth factor

From James Oschman, Energy Medicine

## SPIN

### SPIN - $\frac{1}{2}$ SPIN - NON ZERO SPIN – TUNNEL EFFECT – FERMIONS – BOSONS IN NUCLEAR MAGNETIC RESONANCE AS IN EFFECT WHEN USING THE ONDAMED

*In particle physics and quantum physics, **spin** is a fundamental characteristic property of elementary particles including the force carriers (bosons), composite particles (hadrons), and atomic nuclei (Pauli, 1927).*

ONDAMED resonates with the atomic nucleus of tissue hydrogens (H). Any nucleus that contains an odd number of protons and/or of neutrons has an intrinsic magnetic moment and angular momentum, in other words a spin  $> 0$ . The most commonly studied nuclei are  $^1\text{H}$ . All nucleons, that is neutrons and protons composing any atomic nucleus have the intrinsic quantum property of spin.

The overall spin of the nucleus is determined by the spin quantum number  $S$ . If the number of both the protons and neutrons in a given nuclide are even, then  $S = 0$ , i.e. there is no overall spin; just as electrons pair up in atomic orbitals, so do even numbers of protons or even numbers of neutrons (which are also spin- $\frac{1}{2}$  particles and hence fermions) and giving zero overall spin.

For instance: if an atomic nucleus has 1 proton and 1 neutron, each of these nucleons have their own spin and therefore a tiny magnetic moment. Each magnetic moment has a north pole and a south pole. Since these two little magnets do not like to attach to each other with their north pole and north pole, or south pole and south pole, their spin cannot be parallel but anti-parallel i.e. the north pole will attach to the south pole of the other magnet. So you have two halves which then form an entity of two antipode spins – magnetic moments. Since they are quasi antipodes, the overall spin of this nucleus (proton and neutron) will be  $S = 0$ . There is an overall Zero spin caused by two  $\frac{1}{2}$  spins “opposite” or anti-parallel to each other. If there is an overall Zero spin, there is no magnetic moment. No magnetic moments cannot react to external electromagnetic fields.

Tissue hydrogens, however, have a non-zero spin,  $S > 0$  because they have only 1 proton. Accordingly they are  $\frac{1}{2}$  spin particles (Fermions). They have a magnetic moment and will react to external electromagnetic fields such as the ONDAMED. They will resonate with and absorb energy from external electromagnetic fields if the spinning frequency and the external em field frequency are matching. The specific spinning frequency is called Larmor frequency according to the Irish physicist Joseph Larmor. It is different in each tissue (liver, gall bladder, heart etc).

$\frac{1}{2}$  spin particles mostly live in pairs and are called Fermions as opposed to Bosons which are independent. Photons are Bosons with a spin value of 1.

This allows the interaction of specific quantum mechanical magnetic properties of an atomic nucleus (H) with ONDAMED’s specific em frequencies rendering photons of specific wave length and spectra for tissue repair. Many scientific techniques exploit NMR phenomena to study molecular physics, crystals and non-crystalline materials through NMR spectroscopy. NMR is also routinely used in advanced medical imaging techniques, such as in magnetic resonance imaging (MRI).

A non-zero spin is thus always associated with a non-zero magnetic moment ( $\mu$ ) via the relation  $\mu = \gamma S$ , where  $\gamma$  is the gyromagnetic ratio. It is this magnetic moment that allows the observation of NMR absorption spectra caused by transitions between nuclear spin levels.

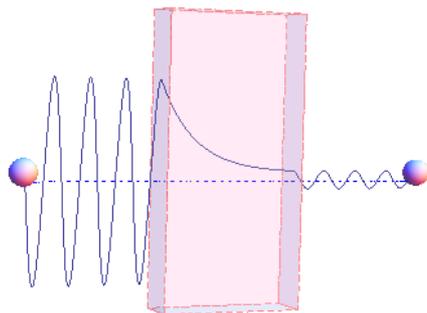
**Nuclear magnetic resonance (NMR)** is a property that magnetic nuclei have in a magnetic field and applied electromagnetic (EM) pulse, which cause the nuclei to absorb energy from the EM pulse and radiate this energy back out.

**The energy radiated back out (photons) is at a specific resonance frequency which depends on the strength of the magnetic field and other factors.**

*Electron spin resonance (ESR)* is a related technique which detects transitions between electron spin levels instead of nuclear ones. The basic principles are similar; however, the instrumentation, data analysis and detailed theory are significantly different. Moreover, there is a much smaller number of molecules and materials with unpaired electron spins that exhibit ESR (or electron paramagnetic resonance) (EPR))

**Wave-mechanical tunnelling** (also called **quantum-mechanical tunnelling**, **quantum tunnelling**, and the **tunnel effect**) is an evanescent wave coupling effect that occurs in the context of quantum mechanics because the behaviour of particles is governed by Schrödinger's wave equation. All wave equations exhibit evanescent wave coupling effects if the conditions are right. In other words: electrons of one em wave could migrate to another wave even through barriers if the conditions are right. Thus magnetic properties of waves are coupled with any other wave.

Schematic representation of quantum tunnelling through a barrier.



Tunneling shows, how waves (electrons) may be connected with each other all over the body and further without any limits.

## ABOUT THE AUTHOR

Below: Kessler Clinic and staff, Victorbur, Germany



Wolf - Dieter Kessler is the Chief Medical Advisor for Ondamed Inc., USA and Ondamed GmbH, Germany.

Wolf Dieter Kessler MD, PhD has been a physician for 38 years. 1986 he moved from Georgia, USA to Germany and founded a clinic centered around biophysics. For 25 years his clinic in northern Germany is a leading institute in complementary and alternative medicine treating acute and chronic diseases. Biophysics and relating options to improve healing methods are his hobby. This subject has brought him to numerous international conventions where he was invited to lecture both in the US and Germany. He participated in a research team on lung transplants at Montefiore Hospital in New York. There he mainly performed electron microscopically work on grafted lungs which had been published in J. Ultrastructure Research.

He encountered a health problem some 39 years ago after contracting a chronic infection (Lambliasis and Cocksackie B4) in India and became highly allergic to almost anything. The lack of satisfactory help in conventional medicine made him turning to complementary and alternative methods.

In the late 1986 he started building up an international clinic in Germany and today employs 14 qualified technicians. "The encounter with ONDAMED® has substantially influenced the therapy potential of my clinic. The ONDAMED® device has become an indispensable tool to my clinic for effective therapy results".

## **COMPANY HISTORY**

ONDAMED® GmbH, was founded in 1994 by Rolf Binder, who developed the ONDAMED® Biofeedback System after 25 years of research in biophysical medical testing and therapy. Binder is well known for developing Bio-Terrain and EAV measurement devices, and other medical electronics equipment.

### **Inventor & Founder: Rolf Binder**

Over the past 30 years Rolf Binder has been working as an electronics engineer specializing in technology and medical electronics. He was the leader of several Research & Development divisions of German medical equipment companies focusing on biophysical testing and therapy applications. Binder developed a series of well-established and known therapy systems. The idea for a new therapy evolved due to the shortcomings of existing modalities. In 1993, Binder founded his own company and worked on the development of his new invention. The first prototype was built, and in 1994 the ONDAMED® System was launched in Germany. In 2002, Ondamed GmbH opened its U.S. subsidiary, Ondamed Inc., in New York. The Ondamed companies enjoy working with practitioners from around the world.

### **President & CEO: Silvia Binder ND, PhD**

Silvia Binder became President/CEO for the U.S. subsidiary in 2002 and in 2006 she was additionally appointed President for the German parent company. Silvia brings entrepreneurial leadership with a great deal of international experience to the management team. She previously managed both start-ups and on-going operations in the U.S. for a large German semiconductor company. Her experience in business, marketing and finance draws from 16 years of professional accomplishments. She enjoys, "bringing people and continents together that share a common goal in the interest of serving people."

**Below from left: George Hamilton, Rolf Binder, Silvia Binder: A4M American Academy of Anti- Aging Medicine, Las Vegas in December 2006**



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## **WHAT IS ONDAMED®?**

ONDAMED® is an electromagnetic frequency device that offers a highly specific biophysical analysis and application based on electromagnetic inductivity. Its principles are based on biophysics. Using the patient's pulse as the biofeedback method, the practitioner rapidly scans the body's preferences, determines interference fields, and simultaneously delivers the frequencies that will support the patient's physical and emotional well-being.

The ONDAMED® Biofeedback System makes any current treatment protocol work faster and more effective, as has been proven for the past 13 years. ONDAMED® is a simple and gentle, yet very effective application used for the purposes of supporting healing.

## WHO CAN BENEFIT FROM IT ?

### **ONDAMED® can be effective for all your patients!**

For several decades numerous cases of patients have shown that ONDAMED® unravels complexities that defy medical understanding, potentiating the body's ability to regulate itself and repair itself. Whether you are a medical practitioner or psychotherapist, ONDAMED® will be a valuable addition to your practice and an effective tool for virtually any patient.

The frequencies of the ONDAMED® System break through disordered cellular communication in a stream of intermittent impulses or waves. Hence the name "ONDAMED®" derives from the Latin word "onda" for wave. This pulsating delivery gives the body time to create counter impulses. The pauses between the wave impulses serve to activate a regulating response in the cells, thereby allowing the body to activate a regulating response in the cells. Consequently, stagnant conditions are transformed into active conditions in the process of normalization.



This transformation leads the body through a rapid reversal of symptoms. A self-healing process will be induced and the patient will respond. Among others, theorist Hans-Heinrich Reckeweg (Heel) has argued that physics proceeds from the cellular to the humoral level as the organism seeks to repair whatever damage it has suffered. ONDAMED® demonstrates the wisdom of this brilliant physician.

## **REGULATORY STATUS**

In Europe the ONDAMED® System is CE certified as a Class II Medical Therapy Device. The Medical Device Certification GmbH audit has proven that this quality meets all requirements according to Annex VI – Section 3 of the Council Directive 93/42 EEC of 14 June 1993 concerning medical devices.

In the U.S. it is registered with the Food and Drug Administration as a Biofeedback Class II medical device, Category Neurology. In addition, ONDAMED® has been approved as a Non-Invasive Secondary Therapeutic Device by AAABEM, an Institutional Review Board for research of treatment of various disorders, which alleviates pain, discomfort or general malaise.

## **HEALING ENERGY and JUMPS STARTING IT BY MEANS OF PHYSICS**

When you become a patient yourself, you are suddenly left with unanswered questions. Why is the repair not activated naturally and I heal by myself? You may not tolerate chemistry very well. Why does chemistry not work? Is there anything else capable to trigger healing? How can external signals such as innovative medical devices like ONDAMED do the job? Physics and waves cannot be seen or touched like chemicals, so how do they work? How much can I expect?

The vision is that, as physics precedes chemistry, That's why it should be the basis for any therapeutic attempt. While chemical reaction takes a time span of mille seconds, information exchange in electronic conduction takes only femto (10 to the -15) seconds. By comparison that would mean walking from San Francisco to New York versus a flight with Delta Airlines.

## **ELECTRONIC CONDUCTION**

Healing energy is believed to be energy of a specific frequency pattern, may it be produced by verbal impulse, or by medical devices based on the principles of physics, or by chemical- , plant- , or homeopathic medication.

Following physical laws, it will stimulate the repair by electronic conduction. Most of us become aware of the ruling power of physics in conventional medicine sooner or later when we ourselves become a patient under the MRI. Not too long ago, scientists who suggested using the electromagnetic emission of the hydrogen atom to produce images for diagnostics had been declared as complete idiots.

If healing is badly needed, it takes vision on the patient's end and the physician's end. There have always been great visionaries who have been aggressively opposed by their peers at the beginning. (Albert Szent-Györgyi 1941, Robert O.Becker 1990) see further below.



**Albert Szent-Györgyi**

## **EXTREME LOW FREQUENCIES (ELF)**

Rolf Binder, the inventor of ONDAMED® knew about the discovery by medical researchers to employ magnetic pulses for jumps starting repair mechanisms. He favored the extreme low frequencies (ELF), knowing from other researchers that ELF provided a powerful healing approach to the patient's problem. Consequently, while a variety of different frequencies from extremely low up to 27 million pulses per second are being used, ONDAMED® is focusing on ELF. The ELF range is arbitrarily defined as frequencies below 100 Hz (Miller 1986). However, ONDAMED® is also using frequencies up to 32 000 Hz, which is still not very high. Through harmonics there will always be other frequencies involved, too. You will learn later, that our "quantum life" is coupling with the low frequency Schumann resonance system which ranges mostly within 7 – 10 Hz, in special conditions up to 40 Hz. Since our brain waves operate in exactly the same frequencies, I felt blessed when my wife handed me the book of P. Fred Gallo, who introduced Harold Saxton Burr's research on electrical 'Life Fields' to me. Counting one and one together, it made me think!

## DEFINITION OF ONDAMED®'S WAVE

Low frequencies provide a very long wave length. According to the equation

$$C = F \times L$$

The definition of the ONDAMED® wave is described below

**C: Speed of light**

**F: Frequency**

**L: Wave length**

In other words: if you treat a patient with an ONDAMED® wave of 1 Hz, the wave length will be 186,000 miles long. That is half the distance to the moon.

ELF will all have a very long wave length. Einstein received his Nobel Prize for his findings, that all waves have a dual quality: they are both wave like and particle like. The longer the wave length, the fewer particles like it is. While long waves are extremely life supporting, short waves with high frequencies such as X-ray, Gamma waves, micro-waves etc. are dangerous and harmful. ONDAMED® waves are very long waves, contain very few particles and consequently are life supporting. As you have read before about Milo Wolff's theory on quantum electrodynamics, particles seem to be condensed waves. For convenience reasons I still use the terminus 'particle'.

Wave lengths (Lamda):

- **Lamda = 400 nano meters (1nano meter is 10<sup>-9</sup> meters = violett**
- **Lamda = 700 nano meters = red**
- **If shorter than 400 nano meters it becomes ionizing**
- **Larger than 700 nano meter it is heat**

## SCIENTIFIC PROOF OF WAVE SPECIFICITY IN HEALING

A study performed by Giri Lyengar, M.I.T., Boston, MA, USA, at the (Massachusetts Institute of Technology) in 1996 stated that each human organ would emit a specific electromagnetic spectrum. Accordingly there will be resonance with matching spectra. And there is! Prior in 1995, Sisken & Walker listed some of the healing frequencies being tested in medical research laboratories and the types of tissues they affect.

2 Hz	Nerve regeneration, neurite outgrowth from cultured ganglia
7 Hz	Bone growth
10 Hz	Ligament healing
15, 20 and 72 Hz	Decreased skin necrosis, stimulation of capillary formation and fibroblast proliferation
25 and 50 Hz	Synergistic effects with nerve growth factor
Healing effects of specific frequencies (frequency window of specificity) (from Sisken & Walker 1995) in Energy Medicine by JL Oschman, 1988	

## ONDAMED®, THE INDISPENSABLE TOOL

Long waves, which have only very little ‘particle’ quality lack the aggressive actions electrons might exert. Think about the electron spin of benzyl, which causes many cases of leukemia each year. Long waves mainly exert resonance phenomena.

Through resonance, ONDAMED® will tell you where to go, what to treat and how to treat. This ingenious concept allows you to understand the individual story of your patient within a few minutes. For example: your patient may complain about tinnitus. ONDAMED® finds spots over the sinuses, right tonsil, and left kidney. It will further tell you that the ‘special frequencies’ are relating to the small intestine. The microorganism test may indicate Acidophilus. It will tell you, that the left kidney needs to be treated foremost. The left kidney may be the Main Focus in this case..

The information you received within a few minutes is invaluable: in this individual case tinnitus is caused mainly by a dysfunction of the left kidney caused by a bacterial (Acidophilus) dysbiosis in the small intestine. The terrain of the small intestine seems to be out of balance and you may think of food intolerance (dairy, flour, sugar, etc.).

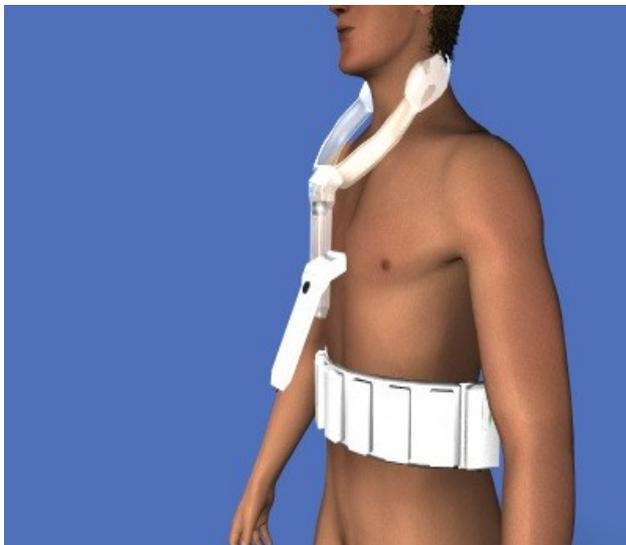
Testing of the 174 programs may show resonance to program 72 (lymph activation, detoxification).

Consequences of your findings:

After all, you certainly know a whole lot more about the condition of this health disorder than traditional diagnostics would reveal. The interconnectivity of dysfunctions of organs, elements, vitamins, heavy metals, and microorganisms becomes transparent. The resulting therapy is a specific treatment of the left kidney with frequencies of the smaller intestine, treatment of the left kidney with acidophilus frequencies. A number of lymph treatments may follow.

Rolf Binder envisioned those facts and the needs for the medical community to qualify to understand both the interconnectivity of a problem and the harmonics to solve it.

**Below: Treatment of both, left and right kidney, small intestine and a trigger point (see Hand Applicator at xiphoid) as found by ONDAMED®.**



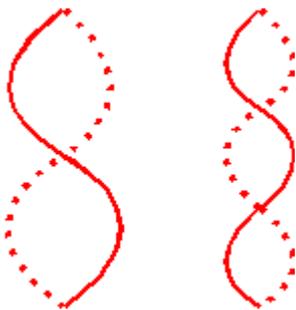
## HARMONICS

See below about harmonics:

Consider a guitar string. It can vibrate in a simple back and forth motion:



But it can also vibrate in more complex ways, where each half or third of the string is moving in the opposite direction from its neighbors:



Naturally occurring waves in a guitar string involve all three kinds of vibration simultaneously, and an infinite number of others.

Each mode of vibration produces a simple wave with its own frequency and amplitude.

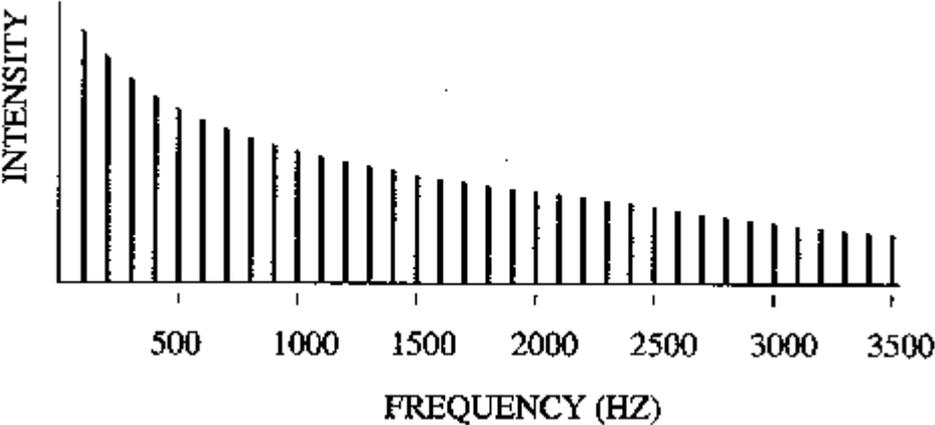
The frequency of the simple wave produced by the simplest back-and-forth motion is called the fundamental frequency.

The frequency of the simple wave produced by the second mode of vibration (where the string is vibrating in halves) is twice the fundamental frequency, or exactly one octave higher.

The frequency produced by the third mode (where the string is vibrating in thirds) is three times the fundamental frequency.

Each of the higher-frequency simple waves is called a harmonic. In naturally occurring vibrations, there is a harmonic at each multiple of the fundamental frequency -- theoretically all the way up to infinity, though the harmonics decrease in amplitude as the frequency rises.

The spectrum of the wave produced by the guitar string would look like:



## **ENERGY MEDICINE AND ONDAMED®, THE INDISPENSABLE TOOL**

This part is about two subjects:

First: Energetic medicine using principles of physics has brought about great opportunities for the patient and the physician.

Second: ONDAMED® can play its role as an indispensable tool in clinical practice.

In a few decades scientists have gone from a conviction that energy fields in and around the human body are pure nonsense to an absolute certainty that they exist.

Over almost four decades I have practiced complementary medicine, techniques considered at best alternative and at worst quacks. More than once the irrational dismissal by my peers and German Medical Association left me dwarfed. To explain complementary healing methods such as Homeopathy, Bio resonance, Electro acupuncture, Kinesiology, or Iridology etc. in the conventional paradigm was extremely controversial and confusing if not bluntly impossible. However, I have treated over 10,000 patients so far, and I know by daily observations and successes of my patients, that healing in modern medicine must have something to do with physics.

So I continued to “play” with the electromagnetic life-fields (H.S.Burr, Yale University, 1972) of the patient.

I realized that an open minded consideration of using energetic medicine respectively physics has the potential to improve patients who did not respond to conventional methods before.

Even if a patient would develop cancer at a later stage of his life, he had miraculous healing outcome if he had been pre-treated with complementary methods some time before. I saw this both in cases of colon cancer and prostate cancer (see also Energy Medicine by James Oschman)

Clinical complementary medicine is so comprehensive and time consuming – yet rewarding – that I could not have proceeded successfully without being blessed with my wife Antje, an expert both in Electro Dermal Screening and in Kinesiology, and our medical director, Karin van Huelsen, ND, who, over the past 25 years, devoted her abilities and her life to our clinic in Victorbur, in northern Germany. She not only understood my vision of the rich multi-disciplinary topic “energy medicine” but humbly and diligently integrated each method into our protocol. This is so important to mention since I truly believe that the reader - a possible fellow physician – will not succeed very far without delegating integrative clinical work to a trusted technician. Simultaneously, I looked for methods to simplify our efforts and increase efficacy.

Healing is possible if we understand the interconnectedness of problems. Therefore we need to work as a team, in order to succeed as fast and easy as possible.

About twelve years ago, I had a profound change in my “complementary medical life” when I met Rolf Binder, the inventor of the ONDAMED® System. Immediately, I could simplify my protocol which saved me time and energy. Like it or not, it is the human energetic electromagnetic field we are dealing with. From then on I was able to not only utilize energy for a healing approach, but also document it as a standardized and safe method in physics.

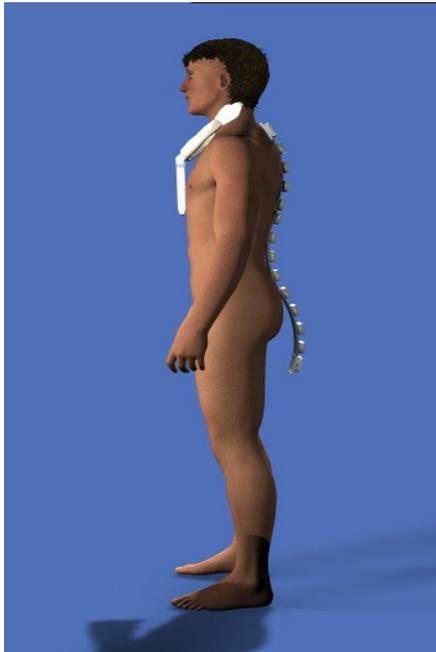
ONDAMED® is the first tool in complementary medicine to produce safe, substantial and successful communication with the diseased patient, *as well as safe and impeccable arguments in physics*. Thenceforth, I was able to present this method to the public in Europe and the United States. Meanwhile, the ONDAMED® is used on all continents. The method's secret is electromagnetic resonance phenomena which represents a universal law in physics.

My experiences, improving patients using a well defined tool in physics, brought us far away from the realm of trickery, fakery, victimized patient, hallucination or the placebo.

As complementary or alternative medicine was a matter of intuition and empery (knowledge by experience) before, it is now an issue of standard and reproducible structure. ONDAMED® is providing a framework to understand the patient's individual story. Once more I understood that the same disease has a very specific structure which is different in each patient. It takes a detector like communication with the patient, the ONDAMED®, to uncover what seems to be deeply hidden behind. Another issue is treating Osteoporosis with ONDAMED® program 58, which represents another indispensable option.

Thanks to Rolf Binder who has been courageous and sensitive enough to convert medical frustration into satisfaction and identity.

**Below: Treatment of Osteoporosis with ONDAMED® program 58. NA Neck Applicator in frontal position. MA Matrix electrode along the spine. Treatment time is one hour.**



## HEALING EFFECT IS BASED ON SEMICONDUCTION

### SPREADING ELECTRONIC ENERGY BY SEMICONDUCTION

Summary:

The perineurium (skin around all nervous fibres) is an array of cells, arranged with regularity in close proximity, as for example in a crystal lattice. The perineurium builds up a low voltage current. ONDAMED® is placing an electromagnetic induction field on the existing low voltage current of the perineurium. The induced magnetic field causes a transversal current in addition to the already existing low voltage current of the perineurium. This phenomenon is known as **Transverse Hall effect** in physics.

The spreading of energy and resulting tissue irritation can be demonstrated by pulse reflex and ONDAMED®. Tissue excitation, according to the Hall Effect, is based on electronic conduction to proteins which respond as semiconductors.

Apparently, to support possible healing, a larger community of matrix, cells, proteins, atoms around diseased tissue must be jump started by electronic conduction. As proteins act as semiconductors they pick up energy (electrons) as needed to improve function by an excited state, and contribute largely to keep up an electrical ‘life field’ as postulated by Saxton Burr (Yale University). Electronic conduction (information transfer) is regarded to be one of the live forces in living matter.

Albert Szent- Györgyi’s electronic conduction:

Albert Szent-Györgyi (September 16, 1893 – October 22, 1986) was a Hungarian physiologist who received the Nobel Prize in Physiology or Medicine in 1937 his discovery of vitamin C. In 1941, after extensive research of the insoluble scaffoldings of the matrix he stated that:

“If a great number of atoms are arranged with regularity in close proximity, as for example in a crystal lattice, single electrons cease to belong to one or two atoms only, and belong instead to the whole system. A great number of molecules may join to form energy continua, along which energy, namely excited electrons, may travel a certain distance” (1941).

The perineurium of the nervous system represents a scaffold of cells which completely encase all nerves. Its cells are arranged with regularity in close proximity, as for example in a crystal lattice.

In other words, the cells represent a great number of regularly arranged cells, molecules and atoms. This chain of cells, the perineurium, acts as a conductor. A conductor is a substance like a metallic wire that conducts electricity. The perineurium, the thin skin around all nerves of our nervous system, not only functions as a conductor, but also sets up a low voltage current.

This current is known to control injury repair (Robert O.Becker 1990, 1991). Oscillations of the direct current fields in the brain, called brain waves, direct the overall operation of the nervous system (Becker, in: James L. Oschman, Ph.D., Energy Medicine, 1988)

Ergo, the low voltage current of the perineurium, is building up a transverse electric field (electrons spreading transversely!) if a perpendicular magnetic field is placed on that current. In other words, the perineurium, which is the motor for injury repair, will enlarge its energy field transversely if we impose a perpendicular magnetic field on it. Thereby the field of the current of injury is magnified. As the amplitudes of the waves of that field is magnified, its energy is magnified. Magnification of energy apparently is needed in healing tissue damage.

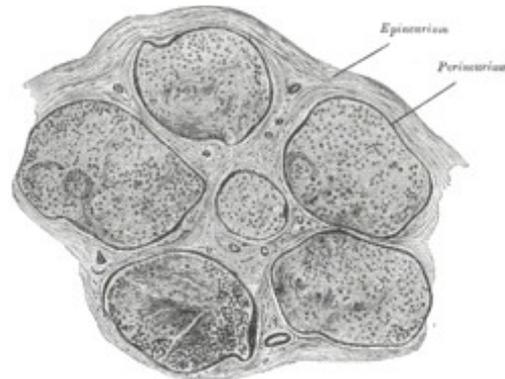
This explains the wonderful and astounding, yet simple mechanism of the ONDAMED® to improve healing in living tissues of, for instance, patients with osteoporosis. It also explains what Rolf Binder has observed for many years: when a certain area has been found by ONDAMED® and pulse feedback, then treated subsequently with same frequencies, the area-energy will enlarge specifically, according to the specific tissue needs and 'damage' of the patient. According to the cells and atoms which are co-responsible for the stale mate in the healing process, the energetic area will expand horizontally, biased, vertically, or as a circle.

The phenomenon to set up a transverse electrical current by another current after placing a perpendicular magnetic field on it, is known in physics as:

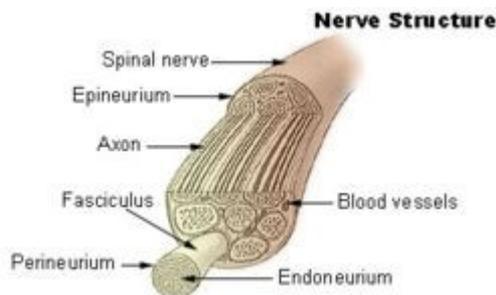
## TRANSVERSE HALL EFFECT

Development of a transverse electric field in a solid material when it carries an electric current and is placed in a magnetic field that is perpendicular to the current. This phenomenon was discovered in 1879 by the U.S. physicist Edwin Herbert Hall. The electric field, or Hall field, is a result of the force that the magnetic field exerts on the moving positive or negative.

**Below: Cut through the tibial nerve with perineurium**



**Below: Nerve structure of a spinal nerve with perineurium**



Robert O. Becker discovered that the perineural system is sensitive to magnetic fields. Consequently semi conduction takes place, something Szent-Gyorgyi already postulated in 1941. He found a 'dual nervous system' composed of the classical digital (all or none) nerve network, the focus of modern neurophysiology, and the evolutionary more ancient perineural system, which operates on direct current. It sets up a low voltage current, the current of injury. The current of injury may also be called "the brain waves". It is the direct current of the perineurium of our brain (Oschman, 1988). The brain waves control and modulate all the currents of injury at any moment in time. **In other words, if we have to treat a repair field of the body, a field of pain which does not have enough energy, we must take into consideration that the brain waves are also more or less involved in the weakening of that repair field.** This is why the ONDAMED® provides a vast variety of brain-related and psycho automatic therapy programs to magnify the amplitude of currents in the repair field.

Before you go below to find explanation of semi conduction, you need to understand, **that physics defines ONDAMED® as both a complementary and integrative medical device.** It is by all means not an alternative device. To understand the terminology:

## **TERMINOLOGY (complementary-integrative-alternative)**

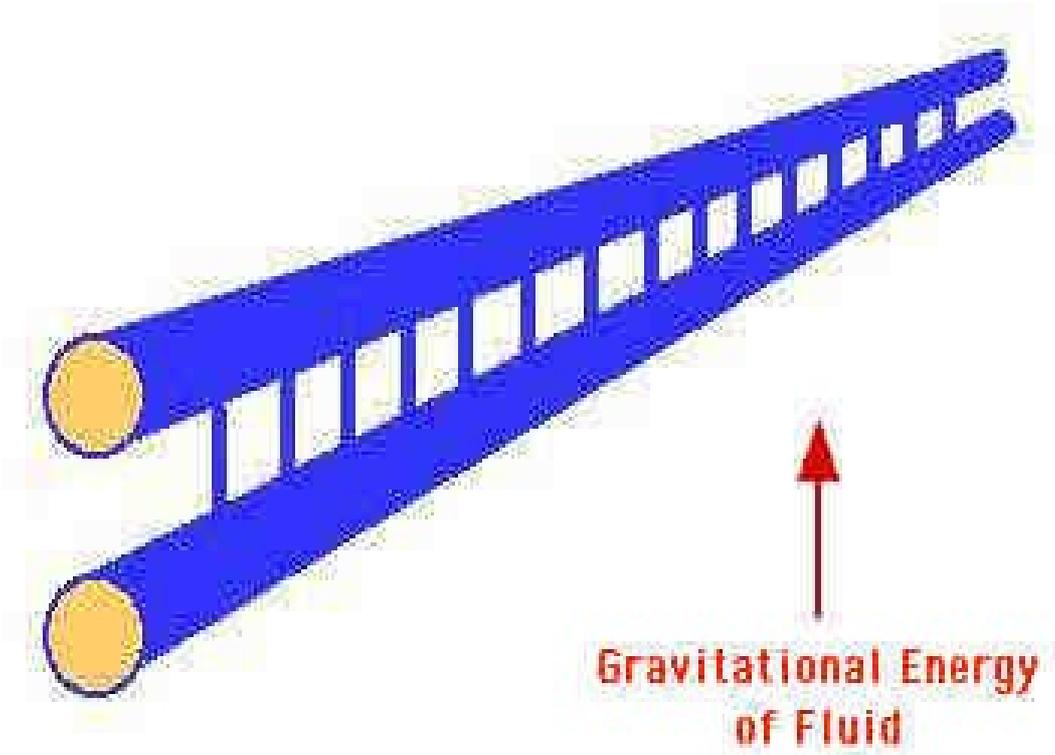
~Complementary means that the new treatment is intended to be used in addition to the standard proven treatment option to improve what we already know to work~

~Integrative means that the treatments are designed to work together, a blending of the best of both traditional and non traditional options~

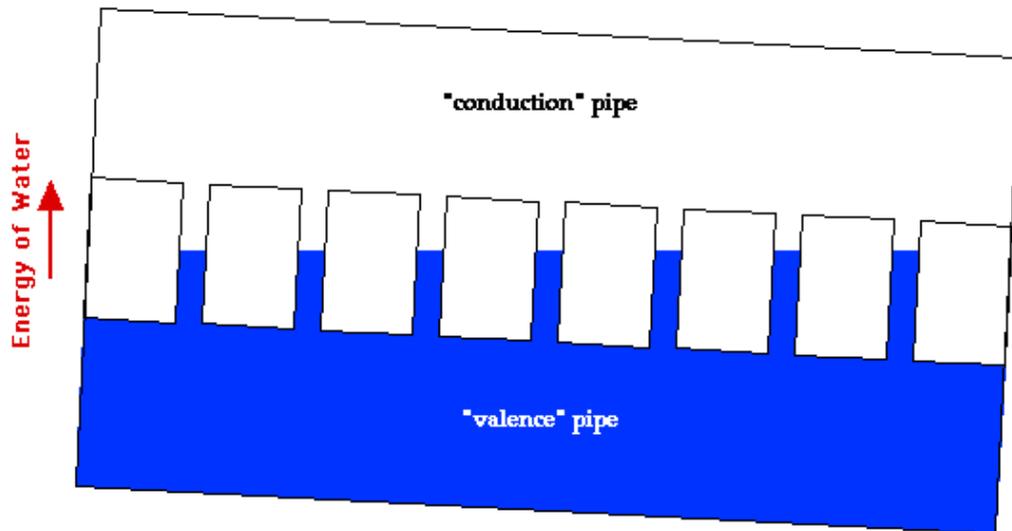
~Alternative suggests that the treatment is to be used instead of known and accepted treatments~

# SEMICONDUCTORS

For comic relief the two pipe model of semiconductors:

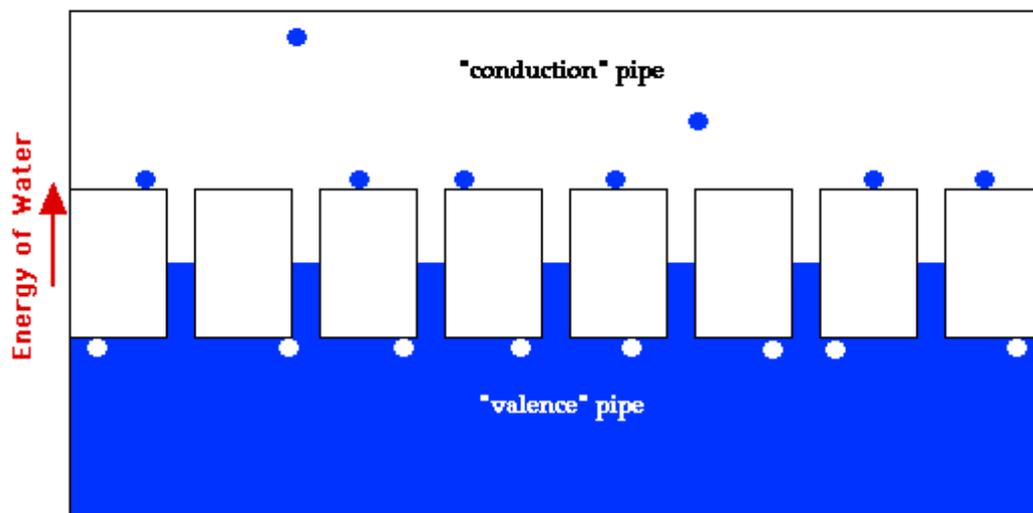


Insulator with an applied external potential - no current flow possible



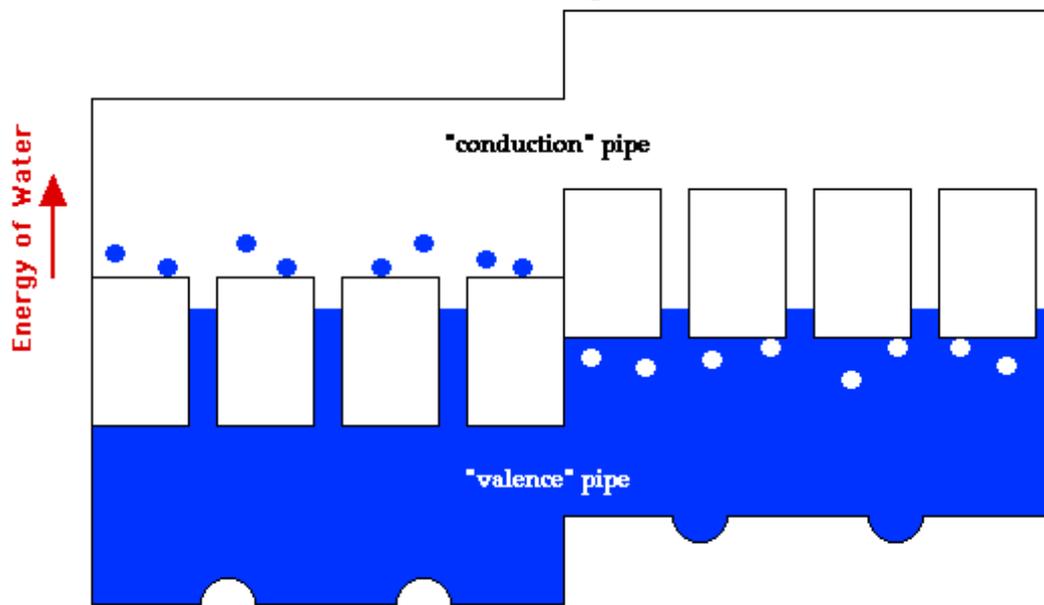
Below: Each little blue dot could be regarded as an electron, proton, or neutron. They are all 'Fermions', which means: each of them has a slightly different energy status. Consequently each of them has a different potential to deliver current to the semiconductor, which will then conduct for a time being.

Intrinsic semiconductor at equilibrium

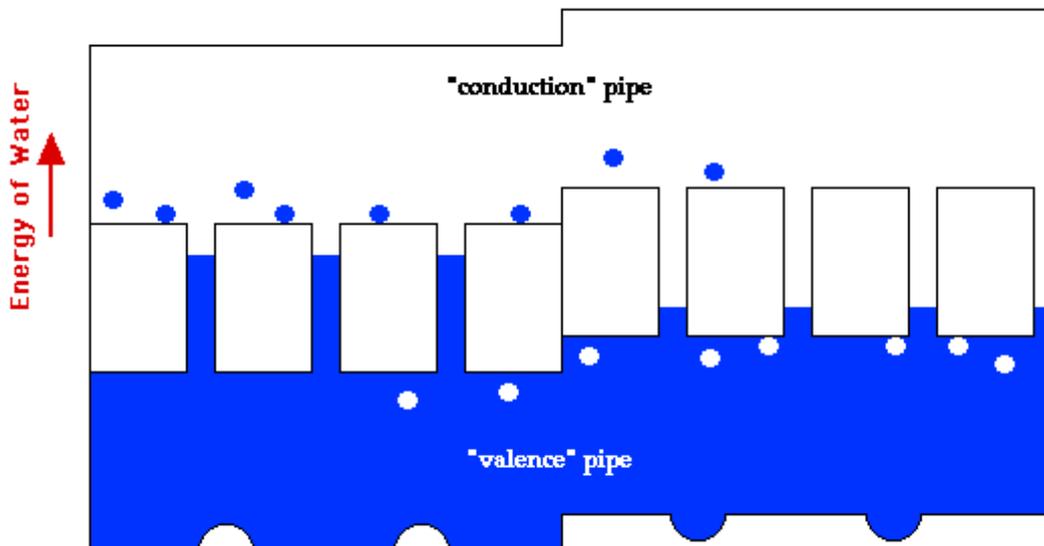


**Thermal Excitation**

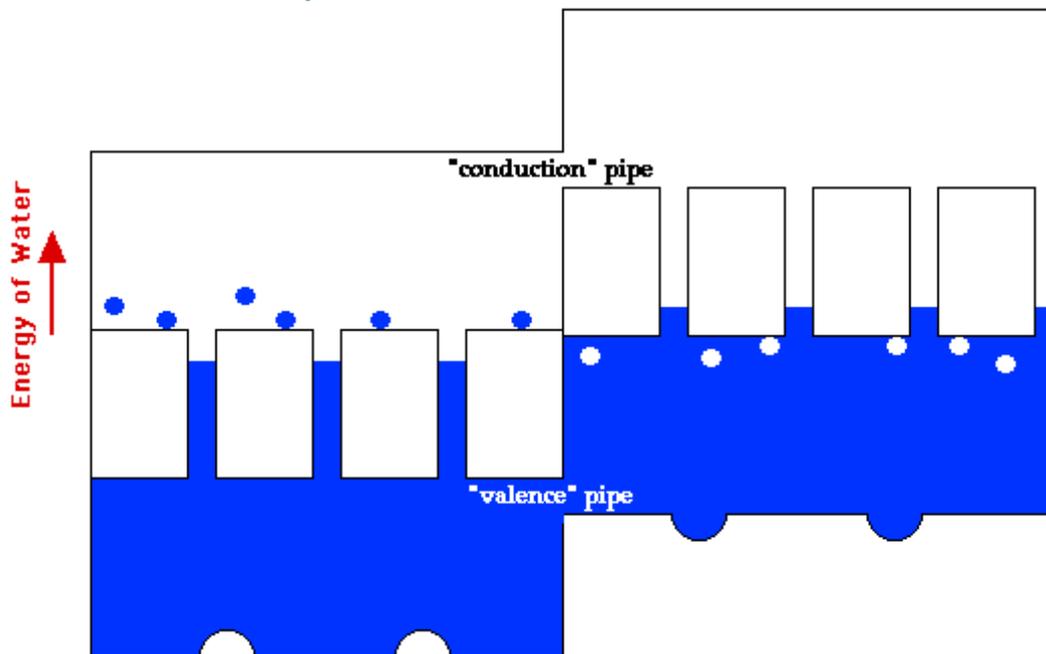
### Junction at Equilibrium



### Junction with a *Forward* Bias



## Junction with a *Reverse* Bias



The bottom line is that the fluid level in these fluid flow systems plays the same role as the Fermi energy in understanding the mechanisms of semiconductor conductivity.

In quantum mechanics, a group of particles known as fermions (for example, electrons, protons and neutrons are fermions) obey the Pauli exclusion principle. This principle states that two identical fermions can not be in the same quantum state. The states are labeled by a set of quantum numbers. In a system containing many fermions (like electrons in a metal) each fermion will have a different set of quantum numbers.

## **ONDAMED® AND BONE HEALING**

Using ONDAMED®'s program 58 has brought a blue sky to many of my patients suffering from osteoporosis. The improvement was remarkable. I did not lose one patient. Based on the principles described above, I did research in literature about scientific proof of effectivity using electric and magnetic therapy in cases of bone repair.

In his book 'Energy Medicine', 1988, page 75, James L. Oschman, Ph.D., wrote:

Modern use of energy fields to stimulate bone repair began shortly after the discovery of 'animal electricity' at the end of the 18th century. By the mid-1800s, the preferred method for treating slow healing fractures was to pass electricity through needles surgically implanted in the fracture region. The technique was banished from medical practice, along with unproven electrotherapies, early in the 1900s.

In the 1950s and 1960s, there was a resurgence of medical interest in electric and magnetic therapy. After considerable effort by scientists at a number of research centers (Brighton et al 1981, Basset et al 1982), both electric and magnetic therapy for fracture 'non-unions' were granted the 'safe and effective' classification by the US Food and Drug Administration (FDA). To obtain this status, many studies were done to document success, lack of side effects and mechanisms of energy field methods.

Not surprisingly, the scientific evidence is that PEMF (Pulsating Electro Magnetic Frequency) therapy is effective because it conveys information that triggers specific repair activities in the body. The currents induced in tissues by PEMF mimic the natural electrical activities created within bones during movements. Pulsating magnetic fields initiate a cascade of activities, from the cell membrane to the nucleus and on to the gene level, where specific changes take place (Basset 1955).

### **Success story:**

Subject: Positive therapy result with the ONDAMED  
From: "Til Steinmeier" [dr.steinmeier@fit-im-puls.de](mailto:dr.steinmeier@fit-im-puls.de)  
To: [dr-kessler@dr-kessler.com](mailto:dr-kessler@dr-kessler.com)

Dear Dr. Kessler,

I have a 58 year old female patient with verified Osteochondrosis dissecans in her right knee. She has been treated 8 times with the ONDAMED. Today the MRI does not show any object in her knee any more. Subjectively the patient feels much better. Had to puncture the knee today again but she is feeling so much better.

This is the second successful case of OD I have with the ONDAMED in my clinic.

We used the following programs for patients with OD in a row:

+ 165

+ 82

+ 122

+ 101

+ 84

occasionally

+ 58

Yours very truly

Til Steinmeier

Dr. med. Til Steinmeier

Praxis für biologische und ganzheitliche Medizin

Naturheilverfahren

Colonnaden 51

20354 Hamburg

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## ONDAMED® AND CONCEPT

### WHAT DOES ONDA-MED MEAN?

ONDAMED® means “medicinal wave”. It is a two step resonance procedure (see below). It is an induction, rebuilding the electromagnetic life field of diseased tissue. It does this by the application of specific waves to non functional parts – **the current of the injury fields** - of the body. Once tissue is damaged by trauma or inflammation/infection, the ‘tubes’ around it (perineurium, perivascular cells, periosteum, perilymphatic cells etc) will set up the current of injury. The frequency of this current varies from organ to organ. Yes, you can identify an organ by its specific current of injury. ONDAMED® not only finds that specific frequency to couple or resonate with spots to be treated; it can detect and localize those spots. Chronologically, ONDAMED® is detecting, coupling and treating that injured area by induction.

As said, step two would be the induction of same special frequency to the spot of injury. Based on the HALL principle, the energy field would be enlarged by semi conduction. Electronic conduction serves as both information exchange and repair mechanism.

Both the blocked tissue and the necessary induction-wave are found by a simple pulse test in cooperation with the ONDAMED® device. Its wave range is between 0.1 and 32,000 Hertz with an intensity range from .5 to 50 mT (milli Tesla). By producing a specific single wave for each individual patient’s momentary disorder, the system works very powerfully and effectively.

Another issue is the option to harmonize brain waves. Special brain programs eliminate pathological brain impulses stored in the CNS by entrainment (see further below under entrainment). 174 well-designed programs are effective for a wide spectrum of health disorders. Other frequencies of the system work to balance microorganisms. This biofeedback system, based on the patients V.A.S (vascular autonomic signal), is essential for both symptomatic and systemic application. However, you need to follow strict but simple rules to counteract chronic illness. You will discover that ONDAMED® is a must and a basic tool for any therapist in the 21st century.

It is all about influencing, rebuilding and retuning the ‘Life Field’ according to Harold Saxton Burr, Yale University School of Medicine, a pioneer in studies of the role of electricity in development of structure and disease.

## **THE PULSE BIOFEEDBACK COMBINED WITH ONDAMED®**

In this chapter you will learn to understand the principles and basics for the Pulse Biofeedback.

The nervous system is completely encased by perineural cells. Around all our nerves, we therefore find a tube like system consisting of cells in close proximity. If there is any tissue injury such as by trauma or inflammation, the perineurium will generate a 'current of injury'.

Electricity respectively electrons will flow. A direct current is generated. This mechanism is meant to attract white blood cells, repair cells, fibroblasts, etc.

Robert O. Becker demonstrated that this direct current is not an ionic current, but a semiconductor current that is sensitive to magnetic fields (Hall Effect) (in JL Oschman, Energy Medicine, 1988, page 94-95).

Other tissues, too, are encased in connective tissue: the vascular system, the lymphatic system, the muscular system and the bones with the periosteum.

In case of injury, inflammation and infection each of these encasing connective tissues will produce a 'current of injury'. However, as we have seen above (Sisken and others), each tissue is resonating to a specific frequency. Each tissue has - is acting in - its own special code. Further, each 'sheath tissue', perineurium, perivascular, periosteum, etc. is also sensitive to magnetic field exposure.

Consequently, inducing an electromagnetic field with the ONDAMED® applicator would jump start electron flow transversally to the already existing direct 'injury current' of the encasing connective tissue. This phenomenon can be explained by excited electrons which will be forced to flow transversally by the magnetic field, as described above. Simultaneously, the electrons will activate other protein molecules in terms of semi conduction. The overall area of electron activity will be largely increased.

In physics this is an increase of the amplitude of the waves of the direct current of injury! If you increase the amplitude of a wave, you will increase the energy.

Pain has been defined as 'the cry of the tissue for energy'. Increase of energy with program 122 (periosteum inflammation) has given remarkable results on patients with knee problems.

Further, if the amplitude of a wave is magnified, it would even more interfere with other waves such as the cardiovascular wave, or the overall controlling brain waves (delta, theta, alpha, and beta) which also use the cardiovascular system to propagate. Heavy interference will occur.

Sophisticated research using microelectrodes has confirmed that the probability of a nerve, firing in the brain, changes rhythmically in relation to the electroencephalogram (Verzano 1970, Fox 1979). The overall control of the nervous system by our brain waves seems to 'calibrate' the reaction of the peripheral tissues.

In intense activation of the nervous system or tension, beta waves would appear which have the highest frequencies (14-50 Hz).

**Let's remember, a pulse reaction is created when the specific "code" wave of the ONDAMED® applicator hits other existing currents and begins coupling and resonating with them.**

By imposing the EM field of the ONDAMED® applicator on an injury field, the current of injury is magnified by its HALL current. These waves 'collide' with other waves such as pulse wave and propagating brain waves. The pulse wave is a very strong wave and propagates through the vascular system. The vascular system is also used as an excellent body for other waves such as brain waves and waves of the currents of injury. When they 'collide' with a HALL field inside the cardiovascular system, heavy interference phenomena will take place.

The patient's pulse will definitely be disturbed. The pulse quality will be altered. The tester, respectively the therapist, would feel an increase or decrease of the pulse amplification of the patient.

To make a long story short: the pulse reaction is a resonance phenomenon between the current of injury and the ONDAMED wave.

*According to the above described scientific documented research, ONDAMED® is 'picking up' the electrical injury currents at various spots when we scan the body of the patient with specific frequency fields.*

Accordingly, we can treat those spots. There is fascination about the accuracy with which the method reveals the areas to be treated. This leaves all our patients stunned.

Pulse Biofeedback is easy to learn. When I did my first liver palpation, I did not feel anything. I personally think that the Pulse Biofeedback is as easy to learn as other palpations. An automated device is not necessary and neither available for liver palpation nor for Pulse Biofeedback.

Below: Palpation of Pulse Biofeedback on Arteria Radialis.

Note: the thumb of the therapist is in vertical position to the lower arm of the patient. This allows easy detecting of any change of pulse quality. The tip of the thumb and the tip of the tongue are the most sensitive areas in the body. The therapist's own pulse does not interfere since the touch is too light to even feel one's own pulse.



**Below: Treating an orthopaedic knee problem after a tennis injury.**

**Note: Matrix applicator is placed on the liver. ONDAMED® picked up two currents of injury: 1) the periosteum of the right knee 2) the liver.**

**Spontaneous recovery of the patient with program 122.**



## THE CONCEPT

Below: The ONDAMED® device and emitting an EMP\* field



\*EMP= ElectroMagneticPulse

Below: Treatment with HA (hand applicator) focusing on the solar plexus



## RESEARCH AND BASICS IN PHYSICS

### Energy Medicine and James L. Oschman, PhD



Left: James L. Oschman

It was the second time that I got Oschman's book on Energy Medicine as a gift, when Silvia Binder fedex'd it to me in 2007. When I met James Oschman at the Brooklyn Marriott, New York, in October 2006, I already knew much about him and his fabulous medical research, since a copy of his book 'Energy Medicine' had been already given to me in 2004 by Dr. Ira Brind, the chairman of Thomas Jefferson University, Philadelphia.

Brind urged me to read it since it would exactly describe the world of medicine I had been working in for decades. It would scientifically touch and explain many of the principles in physics. I cannot express enough gratitude for obtaining Oschman's book, which helped me – a practicing physician - to find the scientific backbone for the medical field I was devoted to.

On the other hand, when I listened to one of Oschman's interviews, I understood how happy he was to realize that the ONDAMED® has put so much of his scientific stuff into successful daily therapy. In his words,

“ONDAMED® is a fine therapy. It seems like Rolf Binder has looked over my shoulders through all these years.” Fact is, both have been working independently from each other and had to bump into each other sooner or later inevitably.

It was meant to be that I had the honour to lecture Energy Medicine together with Jim on many conventions in Europe and the US. We truly became coupled oscillators.

## **JB SHARMA, PhD, Professor of Physics at Gainesville College, Georgia, USA**

Who could have known, that my friendship to JB Sharma, PhD, Professor of Physics at Gainesville College in Georgia, USA, would be such an invigorating and fruitful gift in my life. Meeting Sharma in the Barnesville Rotary Club some 28 years ago, he became a vital force for spreading solid physical knowledge concerning energy fields, waves and the ONDAMED®. He opened my eyes to physics.

Through him we got the knowledge of scientific proof that each organ, while emitting a specific electromagnetic frequency, would consequently resonate to a specific frequency field. Among other scientific proof (see above), this is invaluable for triggering healing impulses. He pulled that up on the internet from the MIT (Massachusetts Institute of Technology, Boston, 1996). Whatever topic in physics I mentioned, J.B. would inspire me instantly to get on the right track. When I once asked him about, that his parents sent him to an expensive and special school in the Himalayas and what the advantage of it was to be enrolled there, he answered: “my teacher had always eye contact”.



**From right: Prof. J.B.Sharma, Antje Kessler, Karin van Huelsen, ND  
Meeting in Gainesville, Ga. September 2007**

## PAIN

### THE IMPORTANT CURRENT OF INJURY

As you have learned already learned, ONDAMED® knows the individual ‘code’ to specifically resonate with each organ. When I find a pulse responding to 11.31 Hz, I can conclude that the patient’s health problem is related to the gall bladder. 11.31 Hz is the special frequency relating to the gall bladder. We found it by pulse biofeedback. So, the therapist picked up a current of injury at 11.31 Hz emitted by the ONDAMED® System.

If we proceed now and scan the body with 11.31 Hz, we could, for instance, find reactions over the right tonsil, left kidney and prostate gland. Subsequent communication with the patient reveals quickly that he or she has complaints in those areas. Consequently, there must be currents of injury in those areas also. However, all these other currents of injury (right tonsil, left kidney and prostate) are resonating with the 11.31 Hz gall bladder frequency.

That is most fascinating. The current of injury frequency of the gall bladder apparently is propagating through the whole body and is coupling with injury currents at various other spots/organs of the body as detected by the scanning procedure.

Therefore, these other injury currents must be highly coupled with the gall bladder frequency. Apparently, the main cause of the disorder (gall bladder) is projecting its frequency to other organs and modulates the currents of injury there. So we find a gall bladder frequency in the right tonsil, left kidney and prostate gland. This is indeed fascinating because it suggests: Since the left kidney is affected, it is producing a specific frequency correlating with the kidneys. However, it is the frequency of the gall bladder which is resonating there. Consequently, the current of injury of the kidney must have been modulated by the gall bladder “injury”.

This is of utmost importance for the understanding of what is going on in a particular patient. Our patient may complain most about his left kidney and it is the gall bladder which is responsible for the stale-mate in the healing there!

This is also very important for the perspective of pain management with ONDAMED® (See chapter 26)

**Below: Treatment of the left kidney. In this case we were using 11.31 Hz (a gall bladder frequency). See case description above.**



## **PAIN MANAGEMENT and ONDAMED® PERSPECTIVE**

Presented to Pain Management Clinic in Dresden, Germany on October 17, 2007:

In order to understand pain, we must understand the current of injury. The current of injury is the electrical field for repair. The perineurium and other matrix structures set up this current in case of injury or inflammation. As the salamander changes the electrical field around an amputated leg (F.P.Gallo about R.O.Becker), and is able to re-grow the limb through and in the electrical field, we are changing the electrical field around damaged tissue. Question is: Will the current of injury set up an electrical field which is strong enough to excite other proteins, molecules and atoms of the surrounding matrix? Will the repair field have enough amplitude to be the blue print for repair?

Dr. Reinhold Voll, a German physician, stated: “pain is the tissue’s cry for energy”. If there is pain, there is certainly not enough energy. Professor Popp in Germany, a renowned Biophysicist, stated: “ tissue in pain is emitting less photons”.

Here the true ONDAMED® pain management steps in.

As you already learned in chapter 18, the area of complaint may be modulated by a dominating injury frequency of another area or organ. I described a patient who complained most about his left kidney, but it was the gall bladder frequency which resonated over the left kidney. So we have at least two different currents of injury in the left kidney region: the dominating gall bladder current and the deeper layer, the current of the kidney. It is believed by Kessler et al, that the gall bladder current is modulating the kidney current by interference. This means, the kidney current will be weakened by interference.

Electrical waves travel through the body. The EKG wave can be picked up at our extremities (Einthoven) as do the currents of injury. Since ONDAMED® resonated in the kidney region by using a gall bladder frequency; there must be a gall bladder frequency in the kidney region.

Consequently:

We may not succeed, if we do not treat the kidney with gall bladder frequencies. Second, we may have to continue with a kidney program. Above that there may be also a changing scenario.

Re-testing the next day, we may find a specific frequency of the liver, which would resonate in the left kidney region. So we will have to treat with a liver frequency first, before we adopt a kidney program.

We think that the left kidney – of course – is the weakest link in the chain in this particular case. By its weakness, it is a current that is easily modulated by all the other currents of injury ailments the patient is carrying. The other ailments project their current of injury frequencies into that weak spot and must be dismantled layer by layer according to their energy status. This reminds me of Liebig’s minimum rule:

*A plant can only grow as long as the minimum element in the soil is available. We could pour an abundance of nitrogen on the soil and the plant would not grow further, because it is lacking cobalt. When cobalt is added, the plant would grow again until magnesium becomes the minimum element and so forth.*

Also, please keep in mind that our brain waves are the overall controlling currents. They propagate through the body using foremost the vascular system. They couple or interfere with local and peripheral injury currents. Thence, they have a tremendous potential to modulate those peripheral injury currents. While they could weaken them, they could also magnify their amplitude. Amplification would increase the energy field, would repair faster and pain would cease. It is well known that people in India can suppress pain at will. This may be one explanation for that phenomenon. So the consequence in pain management is: do not forget to treat the brain with ONDAMED specific programs for the autonomic nervous system.

When the amplitude of the energy field is increased, more electricity will flow by semi conduction which will again enlarge the repair field. It is said that a tickling sensation in an area of pain would indicate healing. The tickling could be the increase of electricity and the increase of electronic conduction in the repair field.

Thorough pain management requires the understanding of the individual interconnectivity of the involved organs. By magnifying the amplitude of the electrical wave field in the area of complaint, energy increases which will result in healing. Energy increase in an area of pain will often be felt as a tickling sensation before it finally heals completely.

Apparently the current of injury (a repair current set up by the perineurium, etc) initially has been too weak to excite the surrounding matrix. The weakening could be triggered and caused by other modulating and stronger currents such as the gall bladder or the liver and “ill” brain waves.

Therefore pain management should combine several steps:

1. Treatment of the area of pain with ONDAMED®’s specific EMP fields found by pulse biofeedback
2. Specific program for that area found by pulse biofeedback
3. Brain programs for entraining brain waves to normality

A study on pain treatment with the ONDAMED® on 27 patients with different types of pain showed 90% recovery within 2-12 treatments (Schroeter C.A. MD, PhD, University Clinic Maastricht, The Netherlands, Presented at the International WORLD Symposium, October 7th-9th, 2005, in Gengenbach, Germany).

This could be a reason why simple analgesics without proper support by causal intervention often fail to work satisfactorily. ONDAMED® and its specific frequencies shed some light on the dark for many of our patients.

Note: Since the idea of using EMP fields is based on solid physical laws, I can comprehend ONDAMED® unique success.

Please take a short review of chapter 18 concerning the important current of injury.

## PILOT STUDY ON PAIN TREATMENT

Pilot study, Maastricht

Pain treatment with the ONDAMED®

*C.A. Schroeter, MD, PhD University Clinic Maastricht, The Netherlands*

Presented at the International WORLD Symposium, October 7th-9th 2005, in Gengenbach, Germany

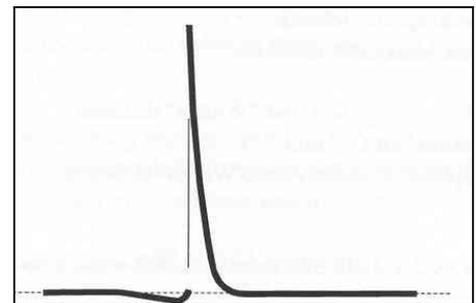
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### Physical Basics

1. The ONDAMED® Biofeedback System applies electromagnetic impulses in rhythmic sequences.
2. The changing of the magnetic field structure of the impulse induces reactions in the body.
3. The impulses induce effects that stimulate the auto regulation of the body.

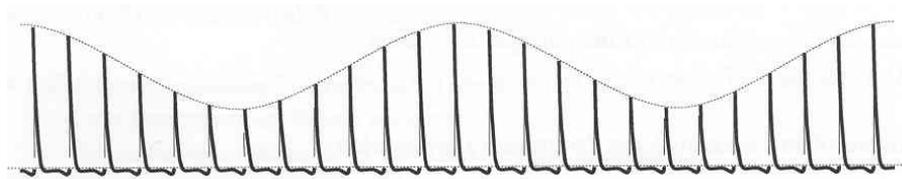
### ONDAMED® Impulse

- **Form of the impulse:** Sudden rise of the magnetic field intensity with rapid fading effect.
- **Intensity:** Height of the impulse influences the deepness of penetration.  
**Magnetic intensity values:** 0,5mT...50mT
- **Impulse Frequency:** Number of impulses per second, measured in Hertz: 0,1 Hz ...32KHz



### Combination of Frequencies

*Impulse frequency of the height of the impulse: Amplitude Modulation*



*Rhythmic variation of the impulse frequency: Frequency modulation*



## Therapeutic Basics

1. Organ specific frequencies
2. Therapy of blocked areas  
(eg. scars, inflammation, stagnation)
3. 173 preset therapeutic programs
4. Micro-organism related frequencies

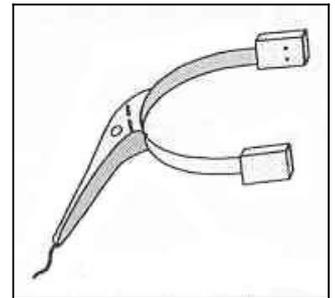
Therapy with the help of the pulse: The Vascular Autonomic Signal

An active signal produces a pulse reaction called a spike.

The practical procedure takes two steps:

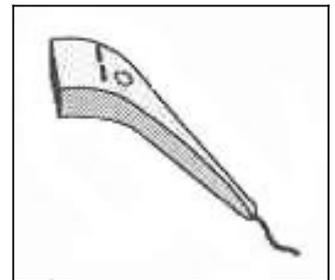
### 1. Testing for organ specific frequencies

- A sequence of frequencies is applied through the neck applicator. The frequency values are applied and the pulse signal is felt simultaneously.
- The pulse reaction (VAS) shows the exact frequencies specific to the individual patient needs.



### 2. Testing for specific frequencies

- Having found the best fitting frequency values, one uses the area applicator to scan the body to determine where the blockages are occurring.
- The location of the blockage induces a spike of the pulse as well. There are usually multiple blockages – especially with chronically ill.



## Clinical perspectives

1. All testing work via VAS
2. Double check with Prognos device
3. Tensor Clark & Rife, EAV
4. Kinesiology, Polymorphism
5. Laboratory parameters, miasmas

### Pilot study, Maastricht

- 10 Patients Shoulder
- 15 Patients Spine
- 2 Patients Neurology

## Types of Pain

### 1. Skeletal

- Spine
- Shoulder-Arm
- Arthrosis

## **2. Nervous System Pain**

- Trigeminal neuralgia
- Intercostal neuralgia

## **3. Abdominal pain**

- Helicobacter pylori
- Campylobacter pylori

### **Therapy 1**

- Revital Program
- Psycho-autonomic Program
- Indication Programs

### **Basic diet**

- No coffee
- No sugar
- No lactose
- Low glycemic index

### **Detoxification**

#### **1. Detoxification 1**

- Liver
- Kidneys
- Brain

#### **2. Detoxification 2**

- Detox (Bioimmune)
- Zeolith
- Kryll-fish, kolloid silver
- Comparative studies  
are running in Maastricht

### **Filling Up Therapy**

- MSM 500mg-2Gr/die
- Phlogenzym 3x2 3x5 1/52
- Physiotherapy
- DHEA

### **Number of treatments**

- Stomach Pain 2-3
- Neuralgia Pain 2-5
- Shoulder Arm Syndrome 5-10
- Arthrosis 5-10

### **Interval of treatments**

- Stomach Pain 1-2/52
- Neuralgic Pain 1-2/52
- Shoulder Arm Syndrome
- Arthrosis

### **Patient A 60 years old**

- Mamma carcinoma left July 2005
- Supraclav. lymph nodes positive
- Back pain Th 2 und Th 8
- Programs 18, 23, 145
- Recovery after 2 weeks of treatments

### **Patient B Stomach Pain**

- HSV 8 years ago
- Chronic stomach pain, heartburn
- Feeling of swelling
- Omeprazol
- Programs 18, 25, 107

### **Patient C 67 years old**

- Rheumatism for 30 years
- HPV for 12 years
- Colitis ulcerosa for 15 years
- Pain- right shoulder and knee
- Programs 16, 22, 10

### **Conclusion**

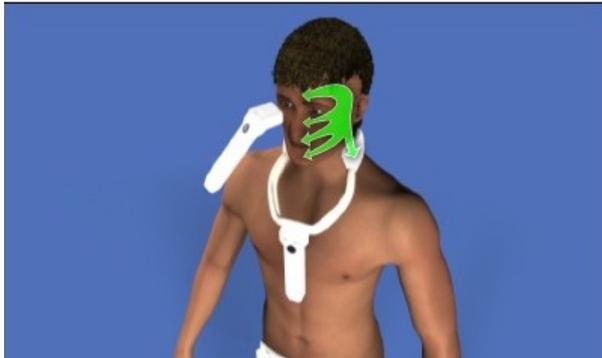
- ONDAMED®: an excellent assessment tool.
- ONDAMED® is a treatment modality that can be used by itself or in conjunction with other modalities for which it will potentiate efficacy.
- **90% (n=27) of patients with different types of pain recovered within 2 – 12 treatments.**

## EFFECTIVE PROGRAMS FOR PAIN MANAGEMENT

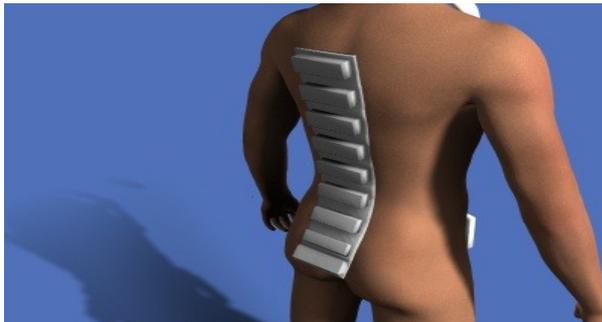
There are quite a few very effective programs for pain management:

Program 19: Pain related to inflammatory processes in the head area

Below: Band A is suitable for the skin, mucous membrane, head area, acute sinusitis, otitis. This is a low frequency band (Operations Manual).



Program 21: Spinal/ disc/ back pain disorders



Program 52: Antalgo

This is used in care of acute and chronic wounds. It is also a good program for general pain relief and has a calming effect

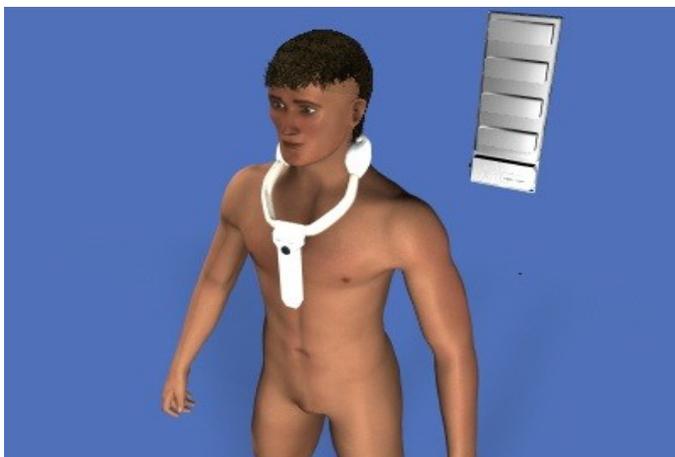
**Below: Pain management with pre-set programs. Neck applicator around the neck. Matrix electrode on pain area. HA Hand applicator in affected area (Operations Manual)**



Program 82: Spine / joints

Program 84: Muscle and nerve pain

**Below: This program should be used in concert with other protocols. Neuralgia is often accompanied with neurological disorders ((Operations Manual)**



Program 101: Arthritis

## Program 122: Periosteum

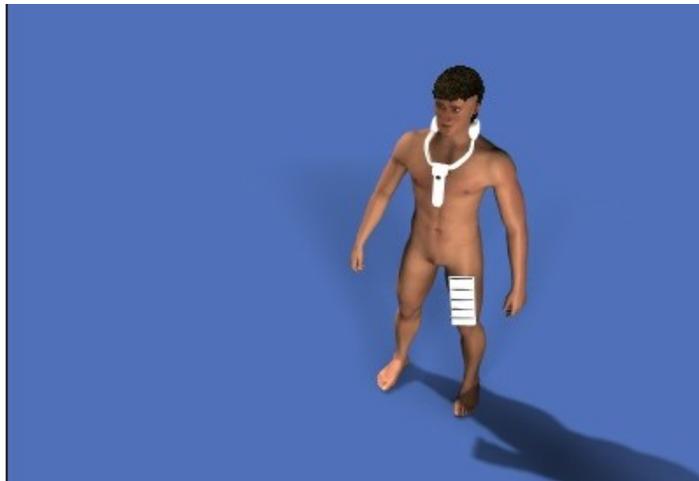
**Below: Beneficial for inflammation / pain of the Periosteum. Good for pain before and after surgery and teeth issues (Operations Manual)**



For example: Program 122 had already been mentioned in a case of knee pain after a tennis injury. It helped fabulously.

## Program 123: Polyneuropathy

**Below: Helpful not only in Polyneuropathy, but also in different types of nerve problems. Helpful for the psyche (Operational Manual)**



### Program 145: Sciatica

Beneficial for those with problems / pain in any back area, might be also hip area and / or sciatica problems; thus pain leg / foot (course of the nerve and its area) (Rolf and Silvia Binder)



### Program 149: Atlas/Occiput (Operations Manual)



Another case of MS in combination with Lyme Disease had been documented by ONDAMED®. Program 84 was crucial in her case. The patient from Westchester, New York had been in a wheel chair. She is completely in remission. She even started to become an active member of the ONDAMED® staff after her recovery.

In cases of back pain we often had marvelous improvement with program 21.

## **BRAIN FUNCTIONS**

### **SCHUMANN RESONANCE**

This global electromagnetic resonance phenomenon is named after physicist Winfried Otto Schumann who predicted it mathematically in 1952. Schumann resonance occurs because the space between the surface of the Earth and the conductive ionosphere acts as a waveguide.

The limited dimensions of the Earth cause this waveguide to act as a resonant cavity for electromagnetic waves in the ELF band. The cavity is naturally excited by energy from lightning strikes. Schumann resonances are observed in the power spectra of the natural electromagnetic background noise, as separate peaks at extremely low frequencies (ELF) around 8, 14, 20, 26 and 32 Hz.

The fundamental mode of the Schumann resonance is a standing wave in the Earth-ionosphere cavity with a wavelength equal to the circumference of the Earth.

This lowest-frequency (and highest-intensity) mode of the Schumann resonance exists at a frequency of approximately 7.8 Hz. The ninth overtone lies at approximately 60 Hz and thus the cavity is also driven by the North American power grid. Detectable overtones extend upwards into the kilohertz range.

A new field of interest using Schumann resonances is related to short-term earthquake prediction. Schumann resonances have gone beyond the boundaries of physics, invading medicine, raising interest in artists and musicians and gaining interest from fringe fields such as psychobiology.

Further below we will see the importance of entrainment and coupling of our brain waves with these standing fields. We will see how we are influenced by them and how entrainment could both, cause and eliminate disease.

## THE FUNCTIONS OF BRAIN WAVES

It is well known that the brain is an electrochemical organ; researchers have speculated that a fully functioning brain can generate as much as 10 watts of electrical power. Other more conservative investigators calculate that if all 10 billion interconnected nerve cells discharged at one time, that a single electrode placed on the human scalp would record something like five millionths to 50 millionths of a volt. If you had enough scalps hooked up you might be able to light a flashlight bulb.

Even though this electrical power is very limited, it does occur in very specific ways that are characteristic of the human brain. Electrical activity emanating from the brain is displayed in the form of brainwaves.

There are four categories of these brainwaves, ranging from the most activity to the least activity. When the brain is aroused and actively engaged in mental activities, it generates **beta waves**. These beta waves are of relatively low amplitude, and are the fastest of the four different brainwaves. The frequency of beta waves ranges from 15 to 40 cycles a second (Hz). Beta waves are characteristics of a strongly engaged mind. A person in active conversation would be in beta. A debater would be in high beta. A person making a speech, or a teacher, or a talk show host would all be in beta when they are engaged in their work.

The next brainwave category in order of frequency is **alpha**. Where beta represented arousal, alpha represents non-arousal. Alpha brainwaves are slower and higher in amplitude. Their frequency ranges from 9 to 14 cycles per second (Hz). A person who has completed a task and sits down to rest is often in an alpha state. A person who takes time out to reflect or meditate is usually in an alpha state. A person who takes a break from a conference and walks in the garden is often in an alpha state.

The next state, **theta** brainwaves, is typically of even greater amplitude and slower frequency. This frequency range is normally between 5 and 8 cycles a second (Hz). A person who has taken time off from a task and begins to daydream is often in a theta brainwave state. A person who is driving on a freeway and discovers that they can't recall the last five miles is often in a theta state - induced by the process of freeway driving. The repetitious nature of that form of driving compared to a country road would differentiate a theta state and a beta state in order to perform the driving task safely.

Individuals who do a lot of freeway driving often get good ideas during those periods when they are in theta. Individuals who run outdoors often are in the state of mental relaxation that is slower than alpha and when in theta, they are prone to a flow of ideas. This can also occur in the shower or tub or even while shaving or brushing your hair. It is a state where tasks become so automatic that you can mentally disengage from them. The ideation that can take place during the theta state is often free flow and occurs without censorship or guilt. It is typically a very positive mental state.

The final brainwave state is **delta**. Here the brainwaves are of the greatest amplitude and slowest frequency. They typically centre around a range of 1.5 to 4 cycles (Hz) per second. They never go down to zero because that would mean that you were brain dead. But, deep dreamless sleep would take you down to the lowest frequency. Typically, 2 to 3 cycles a second.

When we go to bed and read for a few minutes before attempting sleep, we are likely to be in low beta. When we put the book down, turn off the lights and close our eyes, our brainwaves will descend from beta, to alpha, to theta and finally, when we fall asleep, to delta.

It is a well known fact that humans dream in 90 minute cycles. When the delta brainwave frequencies increase into the frequency of theta brainwaves, active dreaming takes place and often becomes more experiential to the person. Typically, when this occurs there is rapid eye movement, which is characteristic of active dreaming. This is called REM and is a well known phenomenon.

When an individual awakes from a deep sleep in preparation for getting up, their brainwave frequencies will increase through the different specific stages of brainwave activity. That is, they will increase from delta to theta and then to alpha and finally, when the alarm goes off, into beta. If that individual hits the snooze alarm button they will drop in frequency to a non-aroused state, or even into theta, or sometimes fall back to sleep in delta. During this awakening cycle it is possible for individuals to stay in the theta state for an extended period of say, five to 15 minutes--which would allow them to have a free flow of ideas about yesterday's events or to contemplate the activities of the forthcoming day. This time can be an extremely productive and can be a period of very meaningful and creative mental activity.

In summary, there are four brainwave states that range from the high amplitude, low frequency delta to the low amplitude, high frequency beta. These brainwave states range from deep dreamless sleep to high arousal. The same four brainwave states are common to the human species. Men, women and children of all ages experience the same. ONDAMED finds distorted brain wave patterns and can correct them, bringing back the harmony, through entrainment.

## **SCHUMANN WAVES AND BRAIN WAVES**

The similarity of a Schumann signal and an alpha brainwave have been compared and documented by Konig HL, 1974a. Persinger MA (ed) ELF and VLF electromagnetic field effects. Plenum Press, New York , in JL Oschman, Energy medicine, 1988, page 100

Extensive research has been done to document the entrainment with external fields (Friedman et al, 1965, Venkatraman, 1976, Perry et al, 1981, Reiter, 1953, Hamer 1968, 1969, Beatty 1977, Wever 1968. Literature can be found in JL Oschman, Energy medicine, 1988, page 104 - 106 .

After all it seems to be a physical fact that our brain waves or the direct current of injury of the peripheral structures respond to entrainment with other electrical fields either natural or environmental.

The bottom line is: Schumann waves and brain waves are so much alike that we are coupling and entraining with them all the time.

The same entrainment can be used by the ONDAMED® brain programs to entrain with “ill” brain waves and bring them back in line.

### **SUCCESS STORY**

I received a telephone call from a therapist in Sao Paulo, Brazil. He tried to handle a case with brain injury. The patient had experienced a car accident and was in a coma for six weeks. The therapist asked me what he could do and whether the ONDAMED would be of value in this matter. I had no idea whatsoever since I could not test the patient’s pulse reaction in order to find an ONDAMED program. So I suggested using the program “brain harmony”. The patient was awake the next day.

## **ALPHA WAVES OF THE BRAIN AND ENTRAINMENT. PROGRAM 43**

Entrain means “to take with”. A simple example would be several clocks mounted on a wall. If they have about the same period, which is determined by their length, all of the pendulums will swing in precise synchrony after sometime. They will “entrain”. In physics the concept of entrainment is very important, as two rhythms of nearly the same frequency can become coupled to each other.

Remember: our brain waves originate from the perineurium of the nervous system and will propagate both through the brain and through the body.

They also use the vascular system to spread and will reach the very terminals of the peripheral nervous system. There, these waves are influencing, “sensitizing”, “coupling” with other waves of the direct electric current of the peripheral connective sheaths.

Consequently, this is one mechanism to lower or raise the threshold of pain by interference resp. “sensitizing or desensitizing” existing peripheral currents. Simple coupling is called entrainment. The entrainment phenomenon is affecting all biological rhythms.

The direct currents of the central nervous system (brain waves) function as overall biological rhythms which we presume play a major role in health and disease. In case of dysfunction of these waves or disharmonies, our whole body and/or our total bio-electrical system could get out of tune.

Rolf Binder strongly believed for years that the rhythm of these brain waves needs to be treated in case of any health disorder.

ONDAMED® does that by coupling or entrainment. Programs available are (foremost No. 41- 46, 47- 56). The coupling phenomenon or entrainment seems to be a major issue to understand and influence the origin of disease. Disease could be visualized as:

*What do two rhythms do to each other that do not have the same frequency?*

It is of interest that the alpha rhythm of our brain waves, the rhythm of recovery and resting state and the basic rhythm of life, overlaps with Schumann resonances. ONDAMED® program 43 is entraining the alpha rhythm.

**Below: Brain wave programs 41-46**



These programs are used for stimulation (entrainment) of individual areas with the wave areas of the human brain such as: Beta, Alpha, Theta and Delta as well as general balancing.

Neck Applicator around neck, Hand Applicator move in broad strokes around the skull.  
Matrix Applicator on the edge of the lower rib cage.

## THE THOUGHT AND PHOTONS

Another fascination about quantum mechanics is how a thought is converted into a material object, a neuro-peptide, which will then trigger a large number of brain cells to fire the message, “lift up the right arm.” Above all, how does the thought originate?

It is explained by physics that smallest light particles (quanta) are carrying the power of transforming no matter into matter, time into space and mass into energy.

For example, you are at a party and all of a sudden you feel sexually attracted to another person, your eyes (visually) or your ears (vocally) have been the receiver of some energy (quanta) which immediately triggers a dramatic cascade of neuronal activities. The thought was initiated by some transformation of no matter into matter, the neuro-peptide - neurotransmitter cascade.

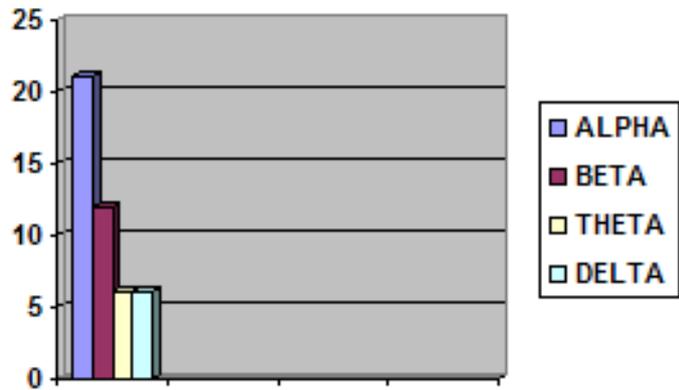
This example is suggesting both an external signal as the source for a thought and that the signal is of nonmaterial quality.

It supports the theory of the photon as the unique power in nature for flexible and quick transformation of thought into action.

One of my concerns is the fact that some of our thoughts, primarily initiated by social interdependencies, may not be constructive but could be very destructive in the long run. This often relates to continuous conflicts. The fact is that certain initial nonmaterial stimuli which have produced both destructive thought and continuous conflict seem to be regenerated and regenerated without becoming erased by a system like the Renshaw cells (cells that would take care to erase an impulse to prevent it from becoming an endless tape). Most of us know that a negative thought (photon activity triggering negativity) could result in disease and cancer. Louis Hay is a good example of how positive thinking builds up healing. Deepak Chopra mentions that he found out that all patients with spontaneous healing of incurable cancer stated that they at one time had a feeling of expansion without existing boundaries. They suddenly lost the “being trapped” or “being cornered” feeling. Christian Steiner, an Austrian physician and inventor of the QUINT System (a mathematically designed computerized system of electro acupuncture), found out that rheumatism is always accompanied by the “no way out and being trapped feeling”.

## INCIDENCE OF BRAIN TREATMENTS WITH SPECIFIC FREQUENCIES

Below: Treatment of 45 patients with ONDAMED® Brain Programs



21 patients needed Alpha  
12 patients needed Beta  
6 patients needed Theta  
6 patients needed Delta

Note: Patients with carcinoma seem to need the Beta program. Duration of therapy was always doubled or tripled.

Note: Patients with impaired vigilance seem to need the Delta program (Kessler et al, 2007)

## **THE QUINT SYSTEM (Holopathy, Dr. Christian Steiner)**

This electro acupuncture method uses high-tech computerized software in order to rebalance the patient mathematically. It relates to the number “five” (QUINT) of the Chinese Five Elements. The Five Element System takes into consideration that a diseased organ is always interconnected with many other dysfunctions.

A simple example of a case with heart disease would be: The liver provides energy for the heart whereas the pancreas would take it away. Steiner also takes into consideration that disease always involves the psyche, the central nervous system, connective tissue, réflexes,

glands, muscles, etc. The treatment uses the most causal, individual and complex prescriptions which are applied both energetically (QUINT Box) and bio chemically.

In short, how could we help the brain to reverse certain physical photon activities that cause a steady negative kink in the wave pattern? I believe that entrainment is one great option to re-tune our currents. We could use the medicine of the 21st century, the ONDAMED®, as an external stimulus to synchronize our harmonious potential and eliminate asymmetric brain wave activities.

## **THERAPIST AND PATIENT**

### **HOW DO I EXPLAIN THE ONDAMED® TO MY PATIENTS?**

I think you are all familiar with the EKG or you may have had an EKG (a simple procedure). It picks up electricity from our heart. Our heart can not beat without the electrical parts that guarantee that it will beat. Sometimes we even have to use electricity for support to make the heart beat (pacemaker). The same is true with our brain. Again, I think you are familiar with the EEG. This is done by your neurologist and picks up the electricity produced by our brain, the brain waves! So both the EKG and the EEG pick up waves and we hope that these waves are normal. Sometimes they are not.

There are many more waves in our body which have not yet been used by doctors such as electrical waves of “ill” parts of our body.

ONDAMED® EMP (electromagnetic pulses) are able to stimulate the repair & regeneration of “ill” parts in the body through wave resonance..

## **HOW MANY THERAPIES DOES IT TAKE?**

I recommend a series of 10 sessions to begin with. Chronic cases may need daily treatments. Osteoporosis, for instance, needs daily treatments. Although many patients have felt improvement after a few or even one therapy, the issue is to “retune” the body optimally and individually. So there is no general rule. You certainly cannot overtreat if you treat on a daily basis.. Side effects will be: usually the patients feel more tired after treatment. This is regarded as a switching from sympathico-tone to vago-tone state of the nervous system through the ONDAMED. The overall feeling usually improves after a few sessions. However, the issue is to win a war and not just a battle. So do not discontinue treatment too fast. Autistic children have been treated on a weekly basis with success. I suggest that you use the ONDAMED® and see what it can do where other efforts have failed so far. Let your body tell us what it wants. A healing experiment well worthwhile!

## **WHERE DOES THE KNOWLEDGE ABOUT THE SPECIAL FREQUENCIES COME FROM?**

This is solid empirical knowledge gained through 20 years of experiments and research by Rolf Binder that has been proven to be of astounding accuracy. I have been using this data since 1997 and consider it to be a gift from a true genius. This knowledge has been most reliable and beyond question to me. It has been a cornerstone for me and about 4000 patients in my daily practice throughout the years.

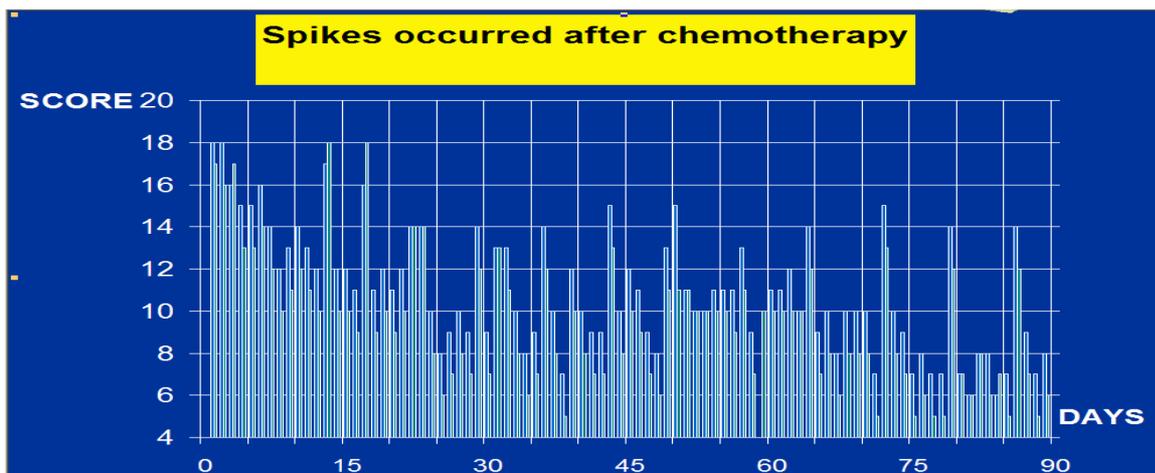
## EFFECTIVITY

### IMMUNE RESPONSE AND ONDAMED®

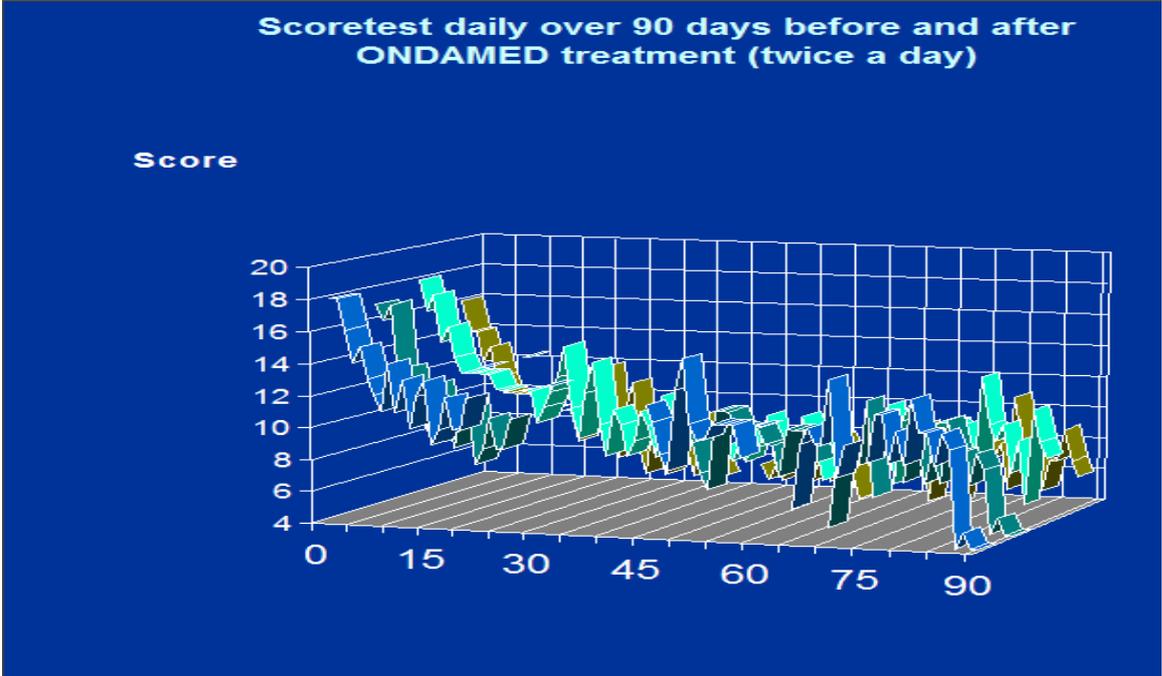
A pre-clinical study of the possible improvement of the immune system using ONDAMED® technology is underway.

In my clinic we monitored and documented improvement of the Biological Score according to Dr. Schimmel. This method is taking advantage of testing the potentiated mesenchyme by electro acupuncture. Both a high score (above 12) and more than a two-number-score (10 / 12 / 14) would indicate a compromised immune system. Both low score (below 12) and a two-number score (8 / 10) would suggest normality. ONDAMED regularly improves the Biological Score.

**Below: The immune score of a colon carcinoma was monitored over a period of 90 days. ONDAMED® treatments were administered with various programs twice a day. Note: At the beginning there was a high score around 18 which continuously improved to lower numbers. Spikes to higher numbers occurred on days chemotherapy had been applied. Kessler, et al, 2001.**



Below: Immune response in a case of colon carcinoma. Steady decline of the numbers from 18 to 11 suggests an improvement of immune response. Monitoring was done over a period of 90 days. The spikes in between were the days of chemotherapy. Kessler, et al, 2001



Note: A recent study in Germany has shown: additional supplements of Apigenin has proven to be of value in order to avoid metastases in colon carcinoma. Patients who took Apigenin developed significantly less metastases.

## ANTI AGING

Summary:

Denham Harman earned his BS and Ph.D. in 1943 from the College of Chemistry at the University of California, Berkeley and his M.D. from Stanford University. Of all the theories of aging, Harman's has the most consistent experimental support. Harman argued that oxygen free radicals produced during normal respiration would cause cumulative damage which would eventually lead to organism loss of functionality, and ultimately, death.



**Denham Harman**

Antioxidant Therapy:

This theory implies that antioxidants (e.g. Vitamin A, Vitamin C, and Vitamin E) — which prevent free radicals from oxidizing sensitive biological molecules, or reduce the formation of free radicals — will slow the aging process and prevent disease.

The antioxidant chemicals found in many food-stuffs (such as the well known vitamins A, C and E) are frequently cited as the basis of claims for the benefits of a high intake of vegetables and fruits in the diet. In particular, antioxidant therapy forms the basis of many basic pharmacological interventions and particularly orthomolecular medicine.

The bottom line is:

Antioxidants such as Vitamin A, C, and E may not be able to work effectively in a tissue trying to repair itself while lacking electrons. ONDAMED, as an 'electron donator', is a true and imperative antioxidant. As science is relating aging to oxidation, the ONDAMED will do the opposite: reduction. Thence the lifespan of tissue can be expanded by minimizing oxidation through reduction with ONDAMED.

The free-radical theory of aging is that organisms age because cells accumulate free radical damage with the passage of time. In general, a "free radical" is any molecule that has a single unpaired electron in an outer shell. While a few free radicals such as melanin are stable over eons, most biologically-relevant free radicals are fairly reactive. For most biological structures free radical damage is closely associated with oxidation damage. Oxidation and reduction are redox chemical reactions. Most people can equate to oxidation damage as they are familiar with the process of rust formation of iron exposed to oxygen. Oxidation does not necessarily involve oxygen, after which it was named, but is most easily described as the loss of electrons from the atoms and molecules forming such biological structures. The inverse reaction, reduction, occurs when a molecule gains electrons. As the name suggests, antioxidants like vitamin C prevent oxidation and are often electron donators.

In biochemistry, the free radicals of interest are often referred to as reactive oxygen species (ROS) because the most biologically significant free radicals are oxygen-centred. But not all free radicals are ROS and not all ROS are free radicals. For example, the free radicals superoxide, [Hydroxyl#Hydroxyl radical|hydroxyl radical]], and Leah Pierce are ROS, but the ROS hydrogen peroxide (H<sub>2</sub>O<sub>2</sub>) is not a free radical species.

Denham Harman first proposed the FRTA in the 1950s and extended the idea to implicate mitochondrial production of ROS in the 1970s.

The free radical theory of aging was conceived by Harman at a time when most scientists still believed that free radicals were too unstable to exist in biological systems and before anybody had invoked them as a cause of degenerative diseases.

Harman drew inspiration from two sources: 1) the rate of living theory, which held that lifespan was an inverse function of metabolic rate, oxygen consumption. 2) Rebecca Gershan's observation that hyperbaric oxygen toxicity and radiation toxicity could be explained by the same underlying phenomenon: oxygen free radicals. Noting that radiation causes "mutation, cancer and aging" Harman argued that oxygen free radicals produced during normal respiration would cause cumulative damage which would eventually lead to organism loss of functionality, and ultimately, death. In later years, the free radical theory was expanded to not only include aging per se, but also age related diseases. Free radical damage within cells has been linked to a range of disorders including cancer, arthritis, atherosclerosis, Alzheimer's disease, and diabetes. This involvement is not at all surprising as free radical chemistry is an important aspect of phagocytosis, inflammation, and apoptosis. Cell suicide, or apoptosis, is the body's way of controlling cell death and involves free radicals and redox signalling. Redox factors play an even greater part in other forms of cell death such as necrosis or autophagy. More recently, the relationship between disease and free radicals has led to the formulation of a greater generalization about the relationship between aging and free radicals. In its strong form, the hypothesis states that aging per se is a free radical process. The "weak" hypothesis holds that the degenerative diseases associated with aging generally involve free radical processes and that, cumulatively, these make you age. The latter is generally accepted, but the "strong" hypothesis awaits further proof. Both models trace back to Harman's work.

## PHYSICIAN ENDORSEMENTS

**Dr. Stephen T. Sinatra, M.D., C.N.S.**

"The vibrational frequencies that are determined by sophisticated equipment like ONDAMED® is perhaps a search for real truth. This is the future of medicine"



**Dr. Steven J Bock, M.D., ACCUP**

"Patients with neuropathy who use ONDAMED® have up to 90% of their pain relieved."



**Dr. Robert DeJonge, D.O.**

"The ONDAMED® is the ultimate innovation in complementary medicine."



**Dr. Rashid Buttari, DO, FACAM, FAAPM, FAAIM**



"The ONDAMED® System often proves successful where no further biochemical means is able to prove effective."

**Burton Goldberg, Ph.D. Hon.**

"I am very impressed with ONDAMED®. In my opinion, the ONDAMED® is one of the most astounding devices I have ever seen. I have witnessed several sessions and I am amazed at the fast and lasting effects this system offers."



**Dr. Wolf-Dieter Kessler, M.D.**



"ONDAMED® is one of the finest German inventions. It allows easy and effective analysis and therapeutic application. For treating acute and chronic diseases. ONDAMED® has proven to be an indispensable tool."

**Karlene ChinQuee, M.D., F.A.C.O.G.**



"ONDAMED® for me is using old world concepts with advanced non-invasive technology and we are enthusiastic and thrilled to bring this technique to our patients at our Health and Wellness Center."

**Dr. Svetlana Kogan, M.D.**

"ONDAMED® teaches both the doctor and the patient to acknowledge the flexibility of our bodies, in the energetic sense."



**"It is a natural evolution to go from EAV to ONDAMED",  
Dietrich Klinghardt, M.D., Ph.D.**

## DOCUMENTED CASE STUDIES BY DR. SHARI LIEBERMAN

### ASTHMA

DA is a 43-year old woman, who was first seen by the ONDAMED® practitioner in January, 2006. She suffered from severe asthma since puberty. DA needed to use the inhaler at least twice per day to manage her condition. She has also been on prednisone on and off over the course of 7 years when her condition became worse. The practitioner noted at the time of the visit that she didn't look well. Her complexion was sallow and pale with dark circles under her eyes. She also had the appearance of being "bloated". In addition to the asthma, DA complained of fatigue. She received one treatment per week for a total of seven treatments. During the ONDAMED® sessions she would feel on the verge of an asthma attack but it would dissipate. One week after the seventh visit, DA told the practitioner that she did not have an asthma attack the whole week. She also explained that the allergist was expecting to put her back on prednisone. However, she had a follow up visit with the allergist and he was surprised at how well she was doing and that she did not need a prescription for prednisone. DA's energy improved dramatically with each ONDAMED® treatment. DA saw the practitioner one month later in March, 2006 for an ONDAMED® treatment. DA looked terrific and in her own words, "felt like a different person." She hadn't used the inhaler for 5 weeks!

Her energy was so much better that she was able to work as a nurse full time. Prior to the ONDAMED® treatment, DA had only been able to work per diem as a home aid nurse because her energy level was so poor. DA looked and felt healthy and well, something she hadn't experienced for a long time. DA did not receive an ONDAMED® treatment for another 3 months. She returned to the practitioner in June, 2007, for a "tune up" treatment. She had not used the inhaler for months. DA explained that her allergist couldn't believe how dramatically she improved or why. She had not received allergy shots for many years. DA has not had a recurrence of her asthma and occasionally sees the practitioner for a treatment.

## **AUTISM**

TR is a 13-year old boy diagnosed with high level autism on February, 1994, when he was 2 yrs 10 months old. He also suffered from gastrointestinal problems including alternating diarrhea and constipation and occasional vomiting and stomach cramps. He was unable to tolerate hamburger, French fries and ice cream and was diagnosed with a gluten sensitivity by his physician. His parents found that he improved with a gluten and dairy restricted diet. However, it was becoming increasingly difficult for the boy to feel comfortable when he was with his friends since he was unable to have any of the things that they would consume. He started ONDAMED® treatment in April, 2005, and received two treatments per week for 4 months. By the end of the 4th month he was able to tolerate all foods without having any diarrhea, constipation, vomiting, stomach cramps or any other gastrointestinal symptoms. His parents continue to keep him on a restricted diet since it dramatically improved his functioning. However, he is able to cheat occasionally with the restricted foods without any serious symptoms. The parents moved and the child has not received any further ONDAMED® treatments. They keep in touch with the ONDAMED® practitioner and TR is still able to eat the restricted foods (which he does occasionally) without any gastrointestinal upset.

## ENDOMETRIOSIS

SS is a 42-year old woman diagnosed with severe endometriosis in 1993 when she had a golf ball size benign tumor in her left lower abdomen near the uterus. Prior to this diagnosis she had an appendectomy in 1991. By the end of 1994, the tumor had grown back again and in 1994 she had a total hysterectomy. The tumor continued to grow back and it was removed by laparoscopy in 1996, 1998 and 2000. Despite the hysterectomy and the laparoscopy, it continued to grow back. In 2004, surgeons at Columbia Presbyterian Medical Center said there was nothing more that they could do. She was experiencing severe pain since the tumor grew back to a golf ball size again. They prescribed Nubane that she could inject herself when the pain became unbearable. She needed to use it every 3 hours. She made an appointment for ONDAMED® treatment and was so weak from chronic pain that she was unable to travel for the appointment. The practitioner brought the machine to her home. She received 3 ONDAMED® treatments per week and within one week she felt stronger and had significantly less pain and was then able to travel to the practitioner's office for the treatments. She received 3 treatments per week for one month and then 2 treatments per week for the next month. Her pain was further reduced and she was able to go 50-60 hours at a time without the use of any pain medication. The golf size tumour had shrunk to the size of an olive as confirmed with a CT scan of the abdomen. Her surgeon was amazed. Unfortunately, SS moved and lost touch with the practitioner.

## **FIBROMYALGIA**

MY is a 27-year old woman who was diagnosed with severe fibromyalgia when she was 18 years old. She had severe trigger point pain, muscle aches and frequent fevers for no reason. Oftentimes, she couldn't move or get out of the house. She felt absolutely terrible most of the time which resulted in depression. She became further depressed since she was always a straight A student and needed to drop out of college after 18 months because she just couldn't function. She was always considered intellectually gifted and this was a great blow. She didn't see her mother for 6 years while trying to cope with the disease. She mostly stayed at home and took odd jobs just to support herself. Her depression and severe symptoms prevented her from keeping any job for very long. She came back home in December, 2005, and got another job right away. However, once again she had to give up her job due to her symptoms. She was given medications for depression (Wellbutrin, Lamictal, Topamax and Cymbalta) to help manage her symptoms and she became anorexic from the drugs. She had always been a good eater and had a healthy diet. She was admitted to an eating disorder clinic for two days and continued treatment outpatient from Jan to Sept. MY recovered from the anorexia but her depression and fibromyalgia symptoms did not improve at all.

In February, 2007, she started ONDAMED® treatment. After the first 3-4 treatments, she emitted a very strong smell that may have been a detoxification or herxheimer reaction (no one knows for sure). The odor quickly went away and she immediately started feeling better after each treatment. She received treatment once per week. Her attitude changed, her depression improved, her fibromyalgia symptoms improved dramatically. She continues the treatment once per week and improves constantly. She is physically active and took 3 classes Spring, 07 and got straight A's with a 4.0 index. MY is able to travel and finally do the things she wants to do. She went from a completely non-functioning to a highly functioning human being. This summer she is traveling and doing all the things she wants to do. Because of her social schedule she has some weeks where she may miss an ONDAMED® treatment but she is still doing great. Once school starts she will be back to the once per week treatment. She still takes her medications and hopefully with time her doctor will wean her off them. In the words of her mother, "Everything clicked and came together once we started doing the ONDAMED® treatment. Until that time absolutely nothing worked."

## **FOOT PAIN**

DP is a 49-year old woman who suffered from a painful left foot for two years. She broke her foot when she was 6 years old and over the years of wear and tear, she was diagnosed with a bone spur. She tried everything to alleviate her pain: physical therapy, reflexology, acupuncture, and chiropractic and foot detoxification baths. She also used homeopathic anti-inflammatory pain medications – Arnica and Traumeel and experienced some temporary relief when she took them. However, the pain always returned. In October, 2006, she attended an ONDAMED® Advanced Training Seminar in New York City. While in NYC for the weekend her foot pain became so severe she could barely walk. When she returned to the hotel on Sunday, she immediately used the ONDAMED® that was available to those attending the seminar. After one treatment her pain completely disappeared. She could not believe it. She had a total of 3 treatments and since that time has not experienced any pain. DC tried to induce the pain in her foot with flexion and extension and was unable to do so. She remains completely pain free during walking, exercise or any other activity that prior to the ONAMED treatment would induce more pain. DP stated, “ONDAMED® is my medicine.” She is actively using ONDAMED® on clients with dramatic results. These cases are in the process of being reported.

## **LYME DISEASE**

AD, a 6-year old autistic child was brought to the office with evidence of a tick bite. The parent explained that the child has had a fever for several days and is much less active. AD wanted to sit on his mother's lap most of the time. AD also had a rash on the back of his neck and upper body. He received treatment with ONDAMED® during a visit in June, 2004. AD returned to the office the next day for another treatment. His parent stated that the child's fever broke the previous night after the treatment. His rash was gone and his activity returned to normal. AD received a total of 5 treatments, one each day for the whole week (Monday-Friday). He did not receive any treatment over the weekend. He remains well with no evidence of Lyme disease. His laboratory analysis confirmed that he in fact had Lyme disease.

## LYME DISEASE

MB is a 49 year old female diagnosed with Lyme Disease and co-infection with Babesia and Bartonella in October, 1991. Her symptoms rapidly progressed from fatigue to multiple sclerosis (MS) like symptoms such as numbness and tingling in the extremities. In January, 1992 she received intravenous (IV) Rocephin for 3 months after which time she was hospitalized for three and one half weeks for a severely low white blood cell, neutrophil and platelet count. This was a side effect due to the drug treatment.

She was given a challenge test to see if there was another antibiotic regimen she could tolerate. She was then given Primaxin via IV administration for approximately five and one half months. She developed antibiotic resistant bacteria (*C. difficile*) and was given Questran as treatment. She also developed dumping syndrome from the Primaxin. She developed nausea which was managed with Compazine administered both IV and as a suppository for one week. She was also given Minocin, Biaxin and Amoxicillin on and off until approximately June, 1994. She often had to stop treatment due to the side effects of a very low white blood count. Despite the massive antibiotic treatment, her symptoms did not improve. She would get a little better for a short time and then her symptoms would return. She also developed more symptoms during the years of antibiotic treatment including pain in both knees, left hip pain and debilitating neuropathy. Her doctor told her there was nothing else he could do for her.

She sought the advice of a well-know practitioner of Traditional Chinese Medicine (TCM). She was on a protocol of Chinese herbs and acupuncture for one year from 1997-1998. She continued to have symptoms on and off without any consistent relief. In 1999, she saw a Lyme disease specialist who added Biaxin and told her to go back on the TCM. She did the treatments concurrently for two and one half years without any results. Her symptoms still came and went. She took Medpron and Zithromax in 2003 for two months and for the first time she felt terrific. All of a sudden she developed dermographism (a form of hives) as a side effect of treatment and had to stop treatment immediately. She became very depressed and hopeless since she appeared to exhaust all avenues of treatment.

MB is very resourceful and found information about Cat's Claw being helpful for her condition. She took it in 2004 without any result but stayed on it anyway. She bought a Rife Machine (ENEM 5) hoping it would alleviate her pain and disability. She used it for one and one half years without any relief of her symptoms. Each time she used the Rife, she experienced a Herxheimer reaction that was quite severe. She used the Rife machine from 2004-2006 without any result. She also added Artemesin to her protocol that is supposed to have activity against her infections. However, this supplement also did not produce any lasting results but she continued to take it. MB had very severe symptoms and expressed that she "no longer felt human." She had a poor quality of life and had developed more symptoms listed below despite further treatment.

MB found information about ONDAMED® and decided to try this as her last resort. She started treatment 4 months ago in February, 2007. After several sessions she felt well for the first time in years. The MS-like symptoms, numbness and tingling of the extremities, recurrent parasthesia, shortness of breath, chest compression sensation, dyspnoea and joint pain completely disappeared. She continues her treatment at least two times each week. She became happy, healthy and felt like a human being again. In her own words, "You just can't imagine how great I feel. I had completely given up hope. ONDAMED® gave me back my life."

## LYME DISEASE

MN is a 35-year old male diagnosed with Lyme disease in April, 2000. A tick probably bit him when he was living in Martha's Vineyard from March to October, 1998. While he never developed a rash, he slowly began to develop symptoms. They included multiple sclerosis (MS) like symptoms including numbness to the extremities, fatigue, difficulty walking, neuropathy, memory loss, dyslexia (which he did not have previously), headaches, arthralgia, muscle atrophy and spinal pain. These symptoms became debilitating and he visited 10 different physicians. He had various diagnoses that included MS, Amyotrophic Lateral Sclerosis and clinical depression. He was not getting better. MN was getting worse.

In April, 2000, he visited a specialist in Lyme disease who found through laboratory analysis that he was positive for Lyme disease and Ehrlichia. Over the course of 3 years he received intravenous antibiotics that included Rocephin, Merrem, Zithromax, Plaquenil, Claforan, Amoxicillin, Doxycyclin and supportive nutritional supplements. MN also received 150 hyperbaric oxygen treatments. He experienced gradual improvement to about 60% of his functioning at best. But he still had many symptoms and whenever he went off the drugs, his symptoms became significantly worse. There was no lasting improvement. He knew that he could not stay on antibiotics forever, nor did he want to.

In May, 2003, he sought the advice of another integrative physician who gave him an ONDAMED® treatment. He received one ONDAMED® treatment each week and within 2 weeks his health improved to 90%. The improvement was so significant that MN bought his own machine July, 2003, and continued ONDAMED® treatments 2-3 times each week. He also stopped the antibiotics shortly after starting ONDAMED® treatment. MN used simple patient preset modules for one year. After one year, he decreased his treatment to 1-2 times per week. The MS symptoms including numbness and neuropathy are completely gone. He is able to walk and exercise normally. His memory has significantly improved and his headaches and dyslexia are gone. He does not have arthralgia, muscle atrophy or spinal pain. He was unable to work from 2000-2003 and was on disability. He now works full time and travels extensively. MN became a master ONDAMED® trainer. If he overworks and pushes himself too hard or if he has days of sleep deprivation, he may feel some slight symptoms return such as mental fog and fatigue. MN will increase his usage of ONDAMED® to 2-3 times per week or until symptoms disappear – usually within one week. He continues to live a full and active life.

## **MENISCUS**

ZA is a 49-year old physician specializing in adolescent medicine who heard about the ONDAMED® machine from MM (a chiropractor). ZA simply did not believe MM's results. He visited the ONDAMED® practitioners and refused to give them any information. Instead he said, "I do not believe in this energy medicine stuff. I need to see it with my own eyes. There is only one thing wrong with me – find it!" ZA was scanned with the ONDAMED® machine. It revealed problems with the right and left upper jaw and the left knee. ZA could not believe that these issues were picked up by the machine. He had a wisdom tooth removed from the left and right upper jaw (which he forgot about) two weeks prior to the scan. The "one thing" he had wrong with him was picked up by the machine – his left knee. He had a left torn medial meniscus for 10 years and was experiencing terrible pain. He had tried everything available to avoid surgery. The pain had become unmanageable. ZA reluctantly scheduled surgery. He received ONDAMED® treatment to his left knee and was scheduled for one ONDAMED® treatment each week. By the second treatment he experienced noticeably less pain. After the fourth treatment the pain was completely gone and he cancelled his surgery. ZA was convinced that the ONDAMED® therapy regenerated cartilage. He remains pain free.

## MULTIPLE SKLEROSIS

LC is a 53-year old woman who was diagnosed with multiple sclerosis (MS) in 1997. Her brain scan revealed 16 lesions in her brain. She had a previous brain scan in 1991 when her symptoms became severe and was told it was normal. It was re-read by another specialist who performed the brain scan in 1997 and he could not believe that it was misread as normal when there was evidence of brain lesions. Her physician prescribed weekly injections of Avonex. Her symptoms included extreme dizziness affecting her balance and bouts of parasthesia and an inability to urinate (loss of bladder control). She went to the emergency room and was hospitalized many times over the years when her symptoms were severe. During one hospitalization she needed to be catheterized in order to urinate for 5 weeks in 1993. In 2000 she had a severe relapse. She experienced extreme exhaustion and was having difficulty stepping up onto a curb. It progressed to the point that she could barely walk. She was hospitalized for one month. She was paralyzed during the hospitalization for 3 weeks. LC was given Mitrozantrone (chemotherapy) during her hospitalization and slowly got better. She was told she had borderline relapsing-remitting MS and she would experience deterioration of her condition. She was sent home from the hospital after she made her home handicapped accessible since during her hospitalization she was in a wheelchair. LC was able to leave the hospital with a walker rather than a wheelchair since she had some improvement. However, it took her a long time to recover at home. She could no longer continue working as the Executive Director for the Mental Health Association. LC experienced cognitive dysfunction after this relapse and had some difficulty swallowing. In addition to the Avonex she was given intravenous immunoglobulin therapy 2 days each month from 2001-2003. In 2003 she was prescribed 3200 mg of Neurontin each day (the maximum dose) for severe neuropathy. She was still being hospitalized each year and nothing seemed to be helping. She was progressing and getting worse. She wasn't able to work; her marriage became extremely stressful due to her illness and her level of stress made her condition even worse. She needed to walk with a cane even after she had some recovery after her hospitalizations. The MS continued to progress.

In March, 2005, LC started treatment with ONDAMED®. She had one treatment and did not feel anything immediately after. However, that evening she felt an “enormous psychological shift.” In her own words she felt like the jigsaw puzzle piece that was missing was finally put into place. She continued her treatment once per week and progressively improved. In January, 2006, she purchased her own machine and immediately started using it 3 times per week. Her energy, cognitive function and sense of well being improved significantly. She could actually run up stairs. Her neuropathy improved over time and she was able to slowly cut her dose of Neurontin to 100 mg per day. She is no longer experiencing any neuropathy and is working with her neurologist to completely go off the Neurontin. She continuously gets better rather than deteriorating over time. She sleeps better, has increased energy and her mobility is excellent. She no longer needs to walk with a cane and can exercise. LC is also being weaned of Labatolol for hypertension that she developed in 2000 and is now on a half dose. LC was prescribed Provigil for extreme fatigue that she took since 1998. When she started ONDAMED® she was slowly weaned off the medication and stopped taking it completely in 2006. She no longer experiences esophageal spasms. She was prescribed Verapamil in 2000 for the spasms and due to the use of ONDAMED®, she was weaned off this medication in 2006. LC continues to take Avonex and will be off the Neurontin shortly. Since 2000, she was prescribed Tizanadine for spasticity and will start cutting down her dose shortly. Her physicians are amazed at her progress and continuous improvement. Her MS was severe and deterioration was imminent and occurred up until the time she started

ONDAMED®. She has since become an ONDAMED® practitioner and helps other seriously ill patients get well.

## MUCOCELE

JM is a 16-year old male diagnosed with a mucocele on 7/19/06. It would grow, burst and then re-grow every 2-3 weeks. A mucocele represents a condition in which damage to one of the small salivary (spit) glands leads to the formation of a soft bump or a blister-like lesion in the mouth. This can occur on lips, under the tongue, or less commonly on the roof of the mouth. It is a common and harmless phenomenon, although it can be annoying for the patient. A history of enlargement, breaking and shrinkage is fairly common, and these lesions can be remarkably persistent. If untreated, these will often swell, break (like a water balloon), and heal over, only to swell again and repeat the cycle. This condition rarely goes away on its' own. An oral surgeon usually has to remove the spilled saliva and affected gland in order to completely stop the process. Surgery was the only option presented to JM.

He was also told that excised tissue should then be examined under the microscope to exclude the very small chance of some form of growth or tumour. Neither JM nor his parents wanted to consider surgery as a first option. The day after the visit with the oral surgeon JM received an ONDAMED® treatment. The practitioner informed JM and his parents that she had absolutely no idea if ONDAMED® would be able to effect any change in the mucocele. He received ONDAMED® treatment on 7/20, 7/24 and 7/28. Between the first and second treatment, the mucocele decreased in size by 60%. It continued to shrink after the second treatment. By the third treatment the mucocele was almost completely gone with some very small residual left. Prior to the treatment, JM could feel the surface mucocele as well as the rest of the mucocele deeper into the tissue that was not visible. The deeper part of the mucocele had completely disappeared. The mucocele has not grown back since 7/28/07.

## **MUSCLE PAIN**

MM is a 36 year old white female who was experiencing severe muscle and calf pain. Patient ran the night before receiving the ONDAMED® treatment. Patient explained that the injury was most probably due to the fact that she did not warm up enough before running and pulled muscles in both legs to the point of hardly being able to walk. After receiving one treatment the day after the injury in May, 2006, MM was able to walk 50% better by the end of ONDAMED® treatment. Within one hour she was completely pain free. The issue has not returned since that time.

## **OSTEOARTHRITIS**

EP is a 74-year old white female, who received her first ONDAMED® treatment in July, 2005. Patient stated she was having a great deal of problems walking up and down steps due to osteoarthritis of the hips and knees. She used OTC pain medications when needed. EP had moved her bedroom to the downstairs of her home due to this issue. Patient was treated with preset programs 47, 98 and 101. Patient noticed great improvement in ability to walk after the first treatment. EP was able to climb steps easily after third treatment. She will receive ONDAMED® treatments as needed if pain returns. She has not required any treatment for the pain thus far for two years. She stopped the use of pain medications after receiving ONDAMED® treatment.

## **POST TRAUMATIC STRESS DISORDER (PTSD)**

GW is a (54) year old fireman that was relocated to New York City immediately when 911 happened. He worked very long shifts during the first two weeks since there was so much devastation. Shortly after beginning his tour at ground zero he began to feel very angry, short tempered and intolerant. He also started taking everything personally and had tremendous difficulty sleeping. This was contrary to his normally easy going personality and his ability to fall asleep and stay asleep easily. He expressed that working at ground zero was a nightmare. GW worked at ground zero for one year until September 2002. Since his personality change was not dissipating, he sought professional help and saw a psychologist in September, 2002, who worked with people who had difficulty adjusting after 911. After a few visits, he was diagnosed with post traumatic stress disorder (PTSD). The psychologist wanted him to take a prescription medication but GW refused. One year later in September, 2003, he agreed to take the prescription drug Cymbalta. The drug made him feel great but he could not tolerate the side effects. It decreased his libido and he was unable to have an orgasm. GW did not want to be dependent on the drug and also felt that it was just masking his problem and he wanted to deal with it. The prescription was changed to Wellbutrin which helped to some degree. His short temper and difficulty sleeping was not improving and he was still experiencing nightmares. He started ONDAMED® on March 16, 2006, since he had heard about the company's depression study and that biofeedback may be able to help with his stress. The psychiatrist from Westchester Medical Centre, heading up the double blind placebo controlled depression study with ONDAMED®, approved him for the study and GW began a course of treatment. He stopped his medication after the first treatment because he felt better and more relaxed. He was very surprised it had made a difference with just one treatment. He received three treatments over 2 weeks. GW improved with each treatment. By the sixth treatment he was no longer angry and suffering from the other PTSD symptoms. He was able to sleep better, but would still wake up after 3-4 hours. Upon completion of the 6 treatment sessions, GW was seen by the psychiatrist for his follow-up interview on April 7, 2006. After the interview the psychiatrist confirmed that he had received active treatment and suggested he continue with ONDAMED® due to his excellent response to treatment. He continues to see the psychologist once every two weeks.

GW's sleep disturbance did not improve. He was still waking up 3-4 hours after falling asleep. Once awake, he had difficulty falling back to sleep. Since he experienced excellent results with ONDAMED®, he decided to seek treatment to improve his sleep pattern. GW had his first appointment with the practitioner on September 7, 2007. He received 8 treatments in total from September 7, 2007, to September 24, 2007. After the third treatment the practitioner informed him that he would feel drowsy. Instead of experiencing drowsiness, he became hyper and felt a spike of energy. That night his sleep disturbance became worse. He had difficulty falling asleep, a symptom that he did not experience previously. After waking up 3-4 hours later, he was completely unable to fall back to sleep. These symptoms continued despite further ONDAMED® treatment. He decided to complete the 8 treatments in the hope that it would still improve his ability to sleep. A few days after his eighth treatment, he slept 7 hours straight without waking up. This was the first time since he was diagnosed with PTSD in 2001. The improvement in his sleep pattern remains significantly improved. He now gets an average 6-8 hours of uninterrupted sleep each night.

## VERTIGO

SS is a 76-year old man diagnosed with benign paroxysmal positional vertigo (BPPV) who had been experiencing symptoms for 5 years. In Benign Paroxysmal Positional Vertigo (BPPV) dizziness is thought to be due to debris that has collected within a part of the inner ear. This debris can be thought of as "ear rocks", although the formal name is "otoconia". Otoconia are small crystals of calcium carbonate derived from a structure in the ear called the "utricle". The otoconia, they are able to migrate into the canal system. The utricle may have been damaged by head injury, infection, or other disorder of the inner ear, or may have degenerated because of advanced age (which was the case for SS). Normally otoconia appear to have a slow turnover. They are probably dissolved naturally as well as actively reabsorbed. BPPV is a common cause of dizziness. About 20% of all dizziness is due to BPPV. The older you are, the more likely it is that your dizziness is due to BPPV, as about 50% of all dizziness in older people is due to BPPV.

The symptoms of BPPV include dizziness or vertigo, light-headedness, imbalance, and nausea. Activities that bring on symptoms will vary among persons, but symptoms are almost always precipitated by a change of position of the head with respect to gravity. Getting out of bed or rolling over in bed are common motions that precipitate the problem because people with BPPV often feel dizzy and unsteady when they tip their heads back to look up.

SS was diagnosed after extensive evaluation by numerous neurologists. Fortunately, he did not have anything serious. His MRI and CT scans were completely normal as was most of his neurological evaluation except for the BPPV. SS had BPPV 1-3 times each day and it would last from 30-60 seconds. He was referred to a physical therapist who was to train him to tolerate the positional changes that would cause the BPPV. Despite several sessions with the physical therapist, the improvement would only last 1-2 days. He started ONDAMED® treatment on 7/2/07 and received his second treatment on 8/8/07. After the first treatment he felt more energy but no improvement in the BPPV. After the second treatment he did not experience BPPV for some time. He went on a golf vacation the week after the treatment and he was still not experiencing BPPV. Since the last treatment he has experienced at most 5 bouts of BPPV. He will be receiving more sessions over the next month since he will be leaving for Florida in the winter and he wants to make sure that the BPPV does not return. While he is away he won't have access to the ONDAMED® practitioner since he'll be quite a distance away in another state. ONDAMED® caused rapid and lasting improvement in BPPV.

## **WRIST PAIN**

MM is a 49-year old male chiropractor who experienced acute pain in his left wrist in 2004. MM had overworked the left wrist from doing adjustments in a very busy practice. The pain was so severe he had to stop practicing for three months in the hope that rest would help it get better. He tried various treatments including ice, heat and rest. However, the pain did not subside. MM was preparing to sell his practice since he was in pain and unable to do any adjustments. In July, 2004, he received one ONDAMED® treatment. After the treatment he experienced some pain relief. The protocol was going to be one treatment per week until the pain subsided. The next morning the pain was completely gone. He immediately went back to work and has not experienced any pain since 2004.

## **BRAIN TRAUMA**

CASE STUDY OF S.R. Provided by Dr. E.J. Miami, FL

- Severe Traumatic Brain Injury
- Brain Contusion
- Evolving Bifrontal Contusions
- Subdural Hematomas - Left Frontal and Left FrontoParietal regions
- Post traumatic headaches
- Post traumatic seizure
- Post traumatic anxiety disorder
- Cognitive Deficits
- Ansomia

SR a 60-year old female, fell hitting her head against the floor on January 2007. There was positive loss of consciousness of about 30 minutes. She was transferred to Trauma Centre at JMH. Her Glaswco Coma Scale upon arrival was 15. She was alert and disoriented 3x. Her admitting diagnosis was Basilar Skull Fracture, Altered State of Consciousness, Convulsions. She was discharged home the same day. SR should not have been released given her severe brain injury.

She was readmitted again on 2/19/07 with convulsions and was again discharged home the same day which was once again, inappropriate. She was evaluated by a psychiatrist. Neurological work indicated non displaced fracture on the right occipital bone, extending to the skull base, epidural hematoma, subdural hematoma extending along the left frontal, temporal, and parietal convexities, adjacent to the subarachnoid hemorrhage, multiple hemorrhagic contusions of bilateral frontal lobe and in the left anterior temporal lobe, fracture of the medial aspect of the right orbital roof and cribriform plate.

Her diagnoses were:

- Severe Traumatic Brain Injury
- Brain Contusion
- Evolving Bifrontal Contusions
- Subdural Hematomas - Left Frontal and Left FrontoParietal regions
- Post traumatic headaches
- Post traumatic seizure
- Post traumatic anxiety disorder
- Cognitive Deficits
- Ansomia

She was prescribed Topomax 50 mg twice daily. Other medications included Boniva, Lipitor 20 mg, Metomorfin 500 mg 2x daily, Aleve as needed.

SR was admitted to a Intensive Outpatient Brain Injury Program at Baptist Hospital in Miami, in April 2007. She had not received any type of rehabilitation prior to this. She presented with decreased cognitive communication skills, characterized by mildly impaired memory for details and information, moderately impaired word retrieval, moderately impaired executive functions, working memory deficits, psychomotor retardation, decreased problem solving abilities, decreased organizational skills, decreased visual perceptual functions, dizziness, inability to ambulate independently and she required verbal cues for safety.

I did a neuropsychological evaluation on 5/15/07. She demonstrated a few minutes of retrograde amnesia and 12 days of anterograde amnesia. The results of the testing indicated the main areas of deficits were in complex attention, working memory, executive functions and mental and written calculations. All of these functions are related to frontal lobe dysfunction. In addition, she had moderate impairment in her immediate and delayed memory for both visual and verbal information.

She was left with a change in personality, post traumatic anxiety and depressed mood.

I referred the patient for Neurofeedback. She started on May 22, 2007. She was getting Neurofeedback sessions 2 x per week. Initially, there was not much improvement. **Once the ONDAMED treatments started on 5/29/07, there was a significant improvement in her performance on the Neurofeedback.** She received 2 ONDAMED sessions per week, generally before the Neurofeedback session. SR has continued to receive cognitive retraining, Neurofeedback, ONDAMED and individual psychotherapy. She reached a plateau in the Neurofeedback. However she has made incredible functional progress in spite of having evidence of blood in her bifrontal lobes as per recent CT scan of the brain with continuing ONDAMED treatment. **She is driving, totally independent, seizure free and less anxious.** I am planning to discharge her from cognitive remediation in the middle of October. I will repeat the Neuropsychological Testing for comparison purposes before she goes back to work as an administrator, in December.

10/17/07 Topomax was completely discontinued 5 weeks ago.

## IT BAND SYNDROME

SW is a 55-year old woman who was diagnosed with IT (iliotibial) band syndrome 7 years ago in May 2000. As an avid triathlon athlete she was unable to compete in the Spring of 2000 due to the pain she was experiencing. She was prescribed Vioxx by an orthopedic surgeon and she took it on and off for several years to manage the pain. SW would experience the return of the pain as soon as she increased her mileage in preparation for a competition. The surgeon suggested that she undergo surgery to correct the problem. She refused to have surgery. Two years later in addition to the IT band syndrome, SW was diagnosed with plantar fasciitis in June 2002. Once again the orthopedic surgeon recommended that she take Vioxx to manage the pain. She also iced her foot, used foot wraps as well as stretching exercises. However, the pain and inflammation always returned when she stopped the medication especially when she increased her mileage for competition.

In September 2005, SW experienced mild to moderate depression for the first time in her life. She had heard about ONDAMED as a biofeedback device and decided to try the treatment to see if it would help her mood. After receiving one treatment in September she immediately felt more relaxed. By the time she left the practitioner's office and got into her car to drive home she felt in her own words as though, "a huge weight has been lifted off my shoulders." SW also felt "happier and more energy." She received a total of 6 sessions over the next 3 months due to the scheduling difficulties (holidays, travel). SW received one treatment each week for the first 3 weeks and then skipped several weeks between the next 3 sessions. After the 6th treatment SW was completely free of depression. Consequently, after the second ONDAMED treatment SW went for a long run and experienced absolutely no pain in her IT band or plantar. She had not experienced any IT band syndrome or plantar fasciitis since receiving the 6 treatments in 2005. She has trained for and competed in numerous athletic competitions. SW also noticed that her times improved in competitions such as triathalons.

SW trained extremely hard recently and competed in a half iron man triathlon on July 7, 2007. The IT band syndrome came back during the competition yet she was able to finish. The pain was not as intense as it had been before. The next day she received an ONDAMED treatment and the pain completely disappeared. She received one more treatment the following week. On August 19, 2007, SW competed in another triathlon. There was an odd depression in the road and she twisted her foot while running. The plantar fasciitis returned, although not as intense and she was able to finish. She received an ONDAMED treatment the next morning and once again the pain completely disappeared. SW was able to complete a tough 7-mile run that evening and has not experienced any return of pain. She has not taken any Vioxx or other pain/anti-inflammatory medication for pain or inflammation since receiving ONDAMED treatment.

## **BREAST CANCER**

VP is a 37-year old woman diagnosed with stage 2, estrogens + and progesterone + breast cancer on June 19, 2007. Shortly after the diagnosis she received a left breast mastectomy and breast reconstruction. Twenty lymph nodes were removed and 2 were positive for cancer. She was prescribed percocet to manage the pain from the surgery. VP had pain in her breast and also pain in the 19 inch incision that was in her abdomen where fat was removed for the breast reconstruction. In July 2007, VP started her chemotherapy treatment. It was recommended that she receive adriamycin plus cytoxan every other week (4 treatments) followed by taxol every other week for 4 treatments.

VP received Ondamed treatment after her first round of chemotherapy. She was completely fatigued from the chemotherapy and could barely make it to the office. VP was still experiencing a lot of pain from the breast surgery and abdominal incision and still needed to take percocet. By the time she left the practitioners office she had no more pain in her breast. Two hours later the pain in her incision completely subsided. She never thought it would help the pain and that the pain would come back. To date she still remains pain free. The Ondamed treatment also made her tolerate the chemotherapy. It helped her energy level so that she did not have to be bed ridden and could do her chores. She continues Ondamed treatment twice per week and makes sure she does it immediately after receiving chemotherapy. VP also noticed that she no longer experienced depression after the 2-3rd treatment and that she felt happier. She did not have a history of depression. She became depressed after being diagnosed with cancer. VP also reported that if she felt a sinus problem or cold coming on, by the end of the Ondamed treatment it would disappear.

Kim Fischer

## **PLANTAR FASCIITIS**

SH is a 57-year old woman diagnosed with plantar fasciitis (PF) in January 2007. She had travelled to Europe for 5 weeks between October and November 2006 and walked extensively during the trip. She is 5'2" and 175 pounds and the weight on her feet may have been the cause of the PF. She had no history of PF before this time. She experienced severe pain and went to numerous physicians including a podiatrist. She tried an anti-inflammatory drug and experienced severe constipation and insomnia. It made her feel terrible so she stopped taking it and refused to take any further medication. The drug did not help her PF. Ultrasound and ice would help the pain to some degree temporarily, but then the pain would come back. SH also saw a physical therapist which decreased the pain to some degree right after the session, but then the pain would return within a short time. Her PT was still causing great pain. SH removed nightshades from her diet (potato, tomato, eggplant, peppers) which and followed the dietary advice from the book "Stop Inflammation Now" by Richard Fleming that helped reduce the pain and inflammation to some degree. However, the pain was still there. She became depressed from the pain and the fact that nothing significantly helped her PF.

SH had her first ONDAMED treatment in February 2007. She received one treatment per week and after the first 3 treatments her attitude improved, she felt less depressed, she had more energy and her pain was noticeably less. In March she stepped up the ONDAMED treatment and received 4 treatments in 10 days. For the first of the 4 treatments she hobbled up the stairs to the practitioners office. By the 4th treatment she could walk normally for the first time since being diagnosed with PF and she had significantly less pain. The pain continued to significantly decrease and subside with each ONDAMED treatment. She had so much success with ONDAMED that she bought her own machine and diligently uses it 2 times each week. She has virtually no pain, she can walk and live normally and she is able to increase her exercise without pain. If she feels any discomfort in her feet, she uses ONDAMED to relieve the discomfort. She no longer experiences debilitating pain from the PF and is able to lead a full and active life.

## **PLANTAR FASCIITIS**

SP is a 55-year old male diagnosed with plantar fasciitis of the left foot in January 2007. The onset was sudden and the patient was limping and unable to put his full weight on the foot. The patient is obese and weighs 350 pounds. He was given diclofenac for 3 weeks and there was no alleviation of the pain. Prior to receiving a steroid injection to the foot, the patient was given one ONDAMED treatment. Shortly after the treatment the patient was able to walk normally since the pain was completely gone. Two weeks later some of the pain returned (not as severe as before). He received two treatments in one week. After the second treatment the pain from the plantar fasciitis was completely gone. SP has remained pain free for more than 7 months. He has not received any steroid injection to the foot and is not taking any pain medications.

James Fugedy

## **ANIMAL CASE STUDY (PARALYZED DOG)**

a dog went lame and became paralyzed it lost the use of her hind quarters. Had lots of bone spurs probably due to the use of prednisone for 7 years for a blood ailment. I visited 5 times. At first no pulse was taken ran anti stress and pain, and then took pulse and numerous neurological programs showed up so I ran them. 2nd visit took pulse but pretty much same things came up. Third visit, swollen limbs were looking much better and the dog was dragging herself along the floor to the door. With the aid of a harness to help her to her feet, she took her first baby steps into the back yard. 4th visit, just helped pick up her hind quarters and she walked the entire yard by herself. The 5th visit no assistance needed she would get up (a little weak of course) and would go to the door stay outside 1/2 hour, smelling around and upon return jumped back on the couch as usual as if nothing were ever wrong.

If you would like exact information as to what programs were run I'd be happy to send copies of my notes. My next case I will try Main Focus. In the meanwhile working on a dog with arthritis. I'll keep in touch. Till then, believing in God's best for you. best regards

Margaret Bowlander

## **ANIMAL CASE STUDY (FLY STRIKE SHEEP)**

Hello. Dr. Kessler,

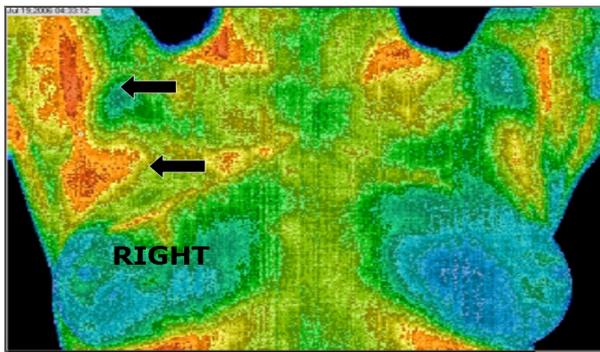
Please tell Karin how much I enjoyed working and getting to know her at the advanced training class. Case study I have had with animals.

1st case a sheep with fly-strike. This is a condition caused by flies depositing their eggs under the skin of a weakened animal and the maggots eat the animal alive. The animal went down, stopped eating and drinking. The owner and breeder picked out maggots for three full hours causing much pain and leaving open sores. She was treating for pain banderol and a zinc paste to cover gapping wounds. The animal couldn't stand up and hung her head. Animal too sick to run a pulse so I ran pre-set program for anti stress, then pain program twice. Once completed ran the joy of life. This was late morning. By 6 pm animal was standing and pushing her hay around with her nose but she was drinking. By 9pm the sheep was eating. The next morning I returned and took animals pulse ran the anti stress program then tissue regeneration. Skin with wool was black and fell off but in 1 1/2 weeks she looked great. Healed very well. There was no need for my return.

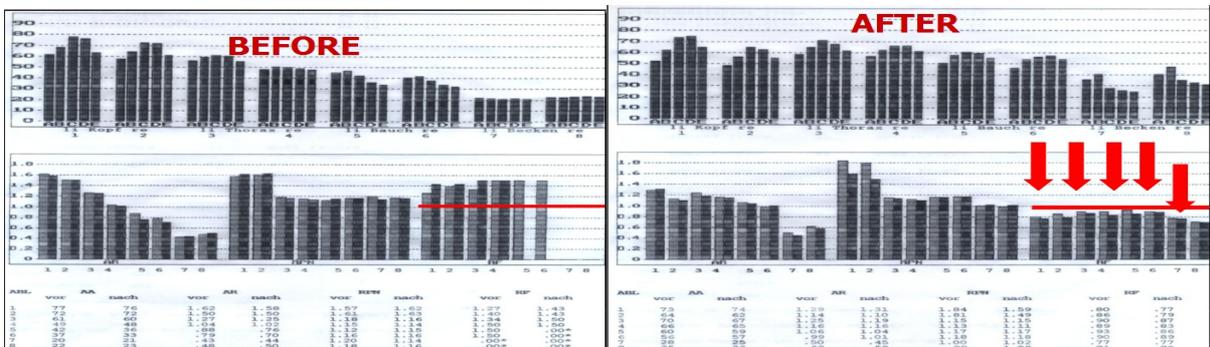
Margaret Bowlander

## CASE DOCUMENTATIONS

Below: 23 year old female with long existing pain in right axils and right upper lateral breast. Thermograph verified ONDAMED® reveal of a focus in her right lower jaw area. She had a history of Epstein Barr infection, which was also detected by ONDAMED®. Treatment was necessary at her right lower jaw in order to jump start healing in her lymph system (right axils and right breast).



SEG before and after treatment - The red line over the third group of bars depicts the normality range of the graphics. It should be at 1.0 in that group. Elevation beyond 1.0 in the third group indicates a major regulatory deficit of a more acute phase. Bar 7 and 8 are missing. There is “no” regulation in the intestinal part. ONDAMED® treatment normalized that by treating the right jaw area with both: specific frequencies and Epstein Barr frequencies (Kessler clinic, 2005)



**Below: 67 year old patient with excruciating lower back pain since 1998. He was resistant to any therapy and hardly able to walk. After being treated on areas L4/L5 with ONDAMED® (2nd session), he developed a carbuncle on his left inner thigh. The carbuncle healed in a very short time. Immediately after the development of that 'drainage' spot (ulcer), he was pain free in his back and had a very happy face! Whether a patient has to drain toxins internally or externally, ONDAMED® always triggers healing by electronic transfer and jump starting regulation.**



## PRACTICAL ISSUES

### THE ~MC MF~ Method

By Wolf-Dieter Kessler, M.D., Antje Kessler, Karin van Huelsen, ND

The MC (Main Complaint) MF (Main Focus) method is simple. It is most effective. I introduced this method first during the International ONDAMED® Symposium, Marriott Hotel, Brooklyn, New York, October 13, 2006.

Patients, who seek medical help, are usually clearly indicating their main complaint (area).

The therapist is challenged to determine where therapy needs to be applied.

ONDAMED®, and its ~Main Complaint/Main Focus~ method is one key tool that the therapist can use in order to get to the goal of improving tissue function in a patient.

Improved tissue function, as we know, leads to healing.

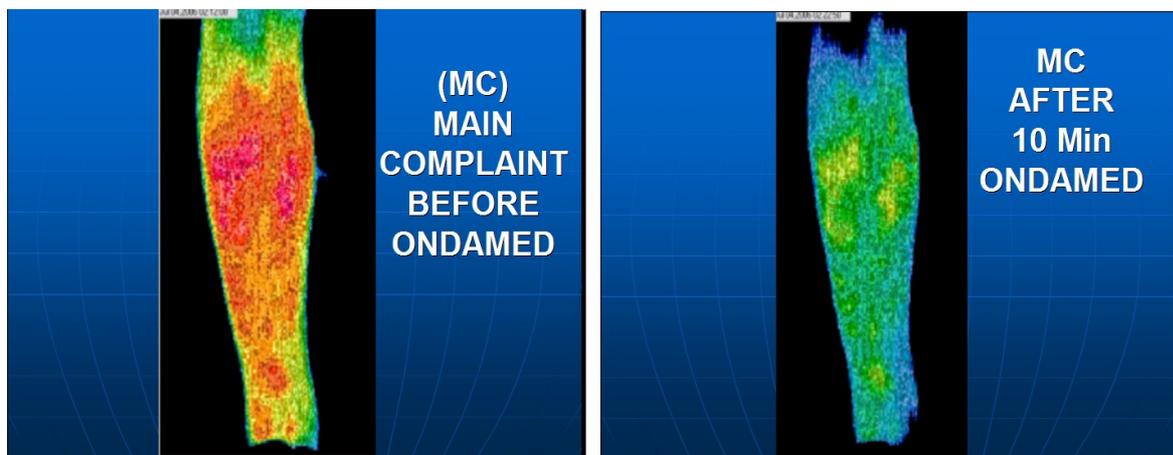
To understand the link between MC and MF let us look at one typical case:

65 year old male with Erysipelas right lower leg (a massive infection-related lymph-oedema) - right inguinal lymph nodes palpable.

Proof of dramatic improvement during and after the ONDAMED® therapy documented with 1. Infrared images and 2. SEG:

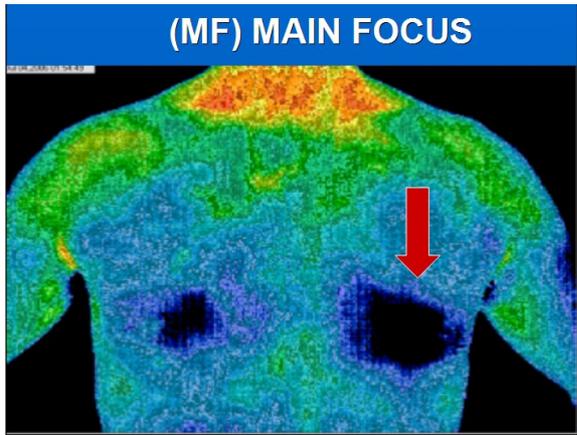
#### 1. Infrared images (Thermographs)

Below: 65 year old patient with massive erysipelas right lower leg with edema before and after ONDAMED® treatment

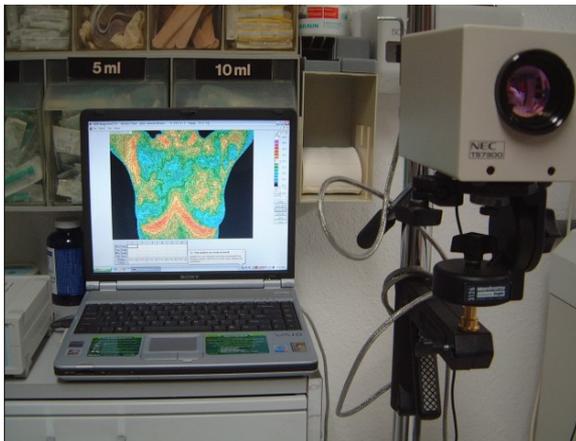


Left lower leg improved. MC=Main Complaint

**Below: In order to stimulate and trigger healing in the right lower leg, the heart area had to be treated. Note: The left thorax (heart area) is much colder than the right side. Regulation there is impaired as demonstrated by the SEG further below. MHS imaging Thermograph (Kessler clinic, 2006)**

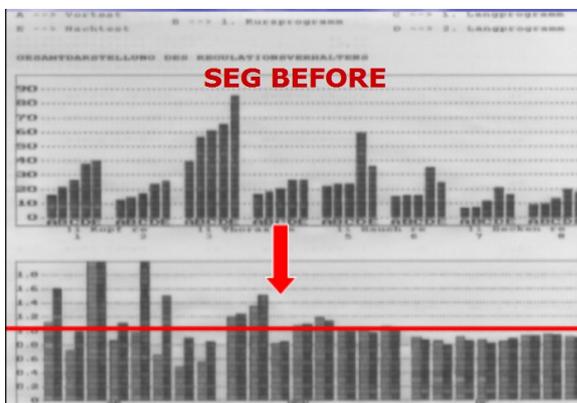


**The MHS device  
(Micro Health System below)**



## 2. Computerized Segment Electrogram (SEG) before and after therapy.

**Below: Computerized Segment Electrogram according to Heim and Schimmel, Institut für Arbeitsmedizin, University of Heidelberg, Germany**

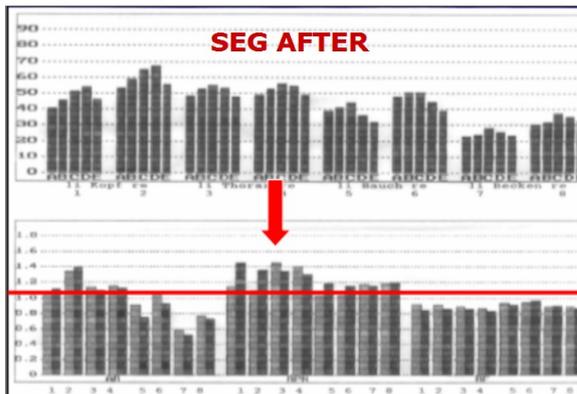


The red line depicts the height of normality of the graphics, which is 1.05 and above. There are three groups of 8 bars each at the bottom of the image. The red arrow points to the third bar which represents the regulation in the left thorax.

Bar 1 and 2, to the left of the arrow, stand for the left and right hemisphere of the head. Bar 3 and 4 represent the left and right thorax. Bar 5 and 6 stand for the left and right abdomen. Bar 7 and 8 represent the left and right pelvis. Note: the red arrow points to a low in the left thorax. Regulation in the heart sector is impaired. Successful treatment respectively improvement of matrix/cellular regulation should result in an elevation of bar number 3 above the red line.

(Kessler, et al, 2006)

**Below: Improved regulation in left thorax after ONDAMED®. The third bar is beyond the red line of 1.05**



Left thorax improved. MF

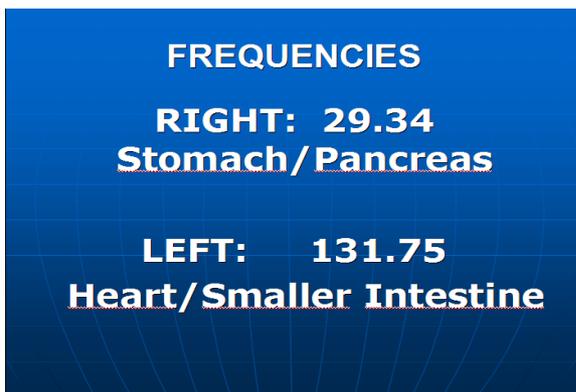
**Below: SEG (Computerized Segment Electrograph) Professor Heim, University of Heidelberg, Germany. This method is using the alteration/change of electrical resistance of skin areas in relation to organ dysfunctions. Stimulating quadrants and sections of the body with 13 Hz impulses will produce graphics based on logarithmical mathematical calculation. The quality of electrical response after stimulating the skin area with a low frequency direct current signal is monitored over 30 minutes. Since skin areas (HEAD zones) correlate with certain organs, the SEG is an invaluable objective control unit to monitor therapeutic results and improvement on a patient.**



The patient will be connected to six electrodes: forehead, neck, dorsal chest, lumbar area and both thighs. The lower unit operates as a 13 Hz direct current generator which is programmed by the software.



Below: The patient had to be treated with both frequencies of the stomach/pancreas and heart/smaller intestine. These results suggested a metabolic disorder to be responsible for his blocked healing in his lower right leg. Therapeutic measures had been taken accordingly. (Kessler clinic, 2006)



Subjectively the patient felt astonishingly better the next day.

So what did we do?

1. The ~ Main Complaint~ area (the right lower leg) was known.
2. We found the two optimal frequencies – right and left radial pulse – using ONDAMED® and the patient's pulse reaction.
3. Scanning of the patient's body with these two frequencies detected several abnormal areas: frontal sinuses, neck, heart, lumbar area, and left kidney including the right lower leg - the Main Complaint area.
4. Then we applied the same two frequencies to the found foci. Beginning ONDAMED® EMP application from head to toe, we also checked, whether the pulse reaction over the main Complaint Area – the right lower leg – would go away. It only went away while we were applying frequencies to the heart area. Consequently, we called the heart area ~ Main Focus~

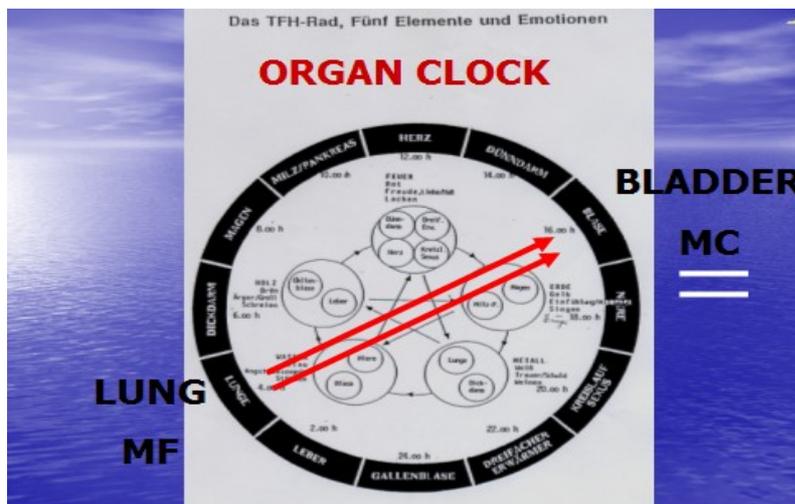
The Main Focus is the area that would normalize the pulse over the Main Complaint area. Simultaneously, the pulse reaction would cease over the other foci.

This finding also relates to the Chinese Acupuncture System. It seems to be crucial to choose *a specific point* in order to initiate healing. ONDAMED® and the simple pulse test provide fast and accurate access to the energetic link between the ~Main Complaint/Main Focus~ areas. As documented in a study on 52 cases, instant improvement is felt by the patient using this method.

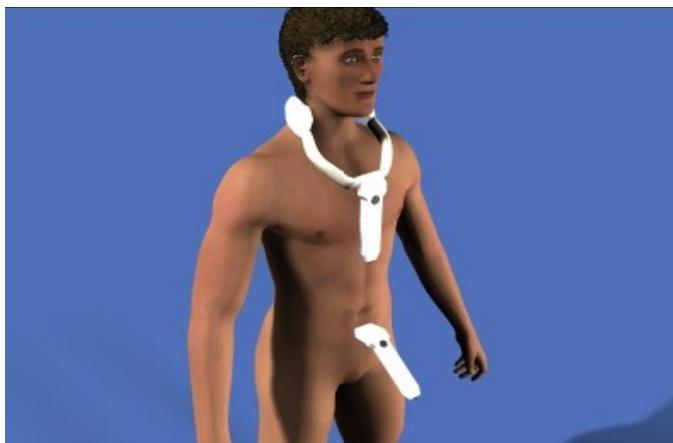
It is believed that the Main Focus is draining energy from the Main Complaint Area. Often the Main Complaint Area is presenting pain. Pain has been classified as “the cry of the tissue for energy” (R. Voll).

I think, the ~MC MF~ method is one great step toward standardizing complementary medicine in support of healing.

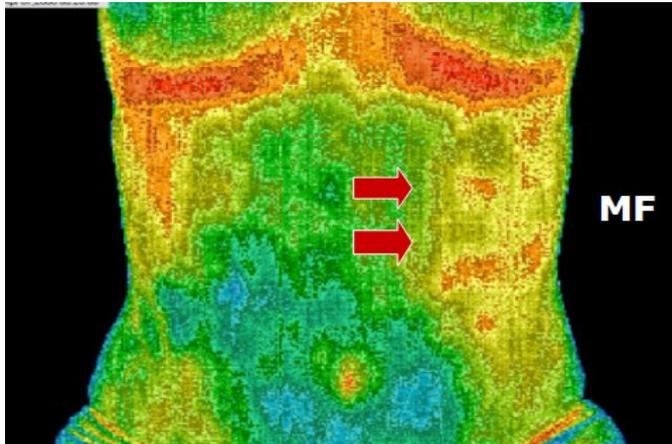
**Below: Treatment of bladder cancer. The MC (Main Complaint) is the bladder area. The practitioner found the MF (Main Focus) over the lungs. This finding is so interesting because it correlates with the Chinese Organ Clock. While the bladder has its maximum energy at 4 p.m. in the afternoon, the lungs have it at 4 a.m. in the morning. The two organs are antipodes or YIN/ YANG partners. The 56 year old male patient had a long history of bronchial disorders.**



**Below: Treatment of the bladder region with lung frequencies**



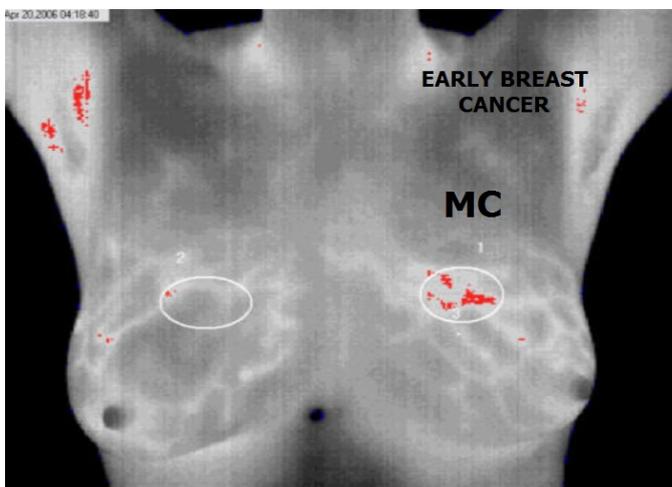
**Below: 34 year old female with idiopathic increase of white blood cells. Leukocytes in the range of 16.000 with 80% lymphocytes. ONDAMED® found the MF (Main Focus) to be treated over the left abdomen. Note: This seems to be the area of the spleen as shown in thermograph (Kessler clinic, 2003)**



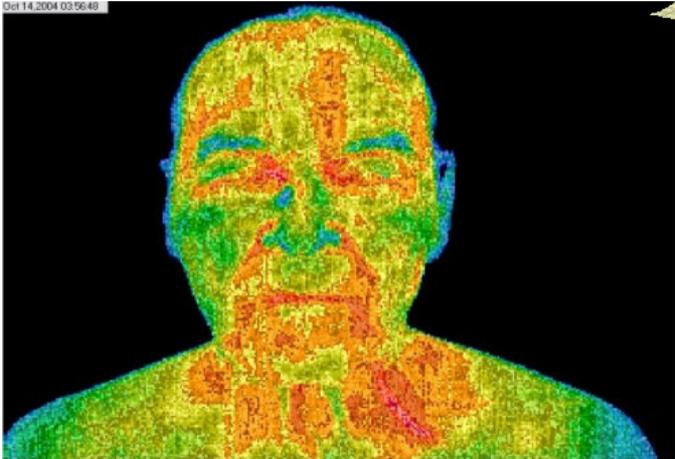
**Below: Early breast cancer left breast of a 37 year old female. Thermograph shows suspicious alteration in upper middle area of the left breast. A positive family history of breast cancer exists. The patient complained of pain in that region for about 6 months.**

**Note further below:**

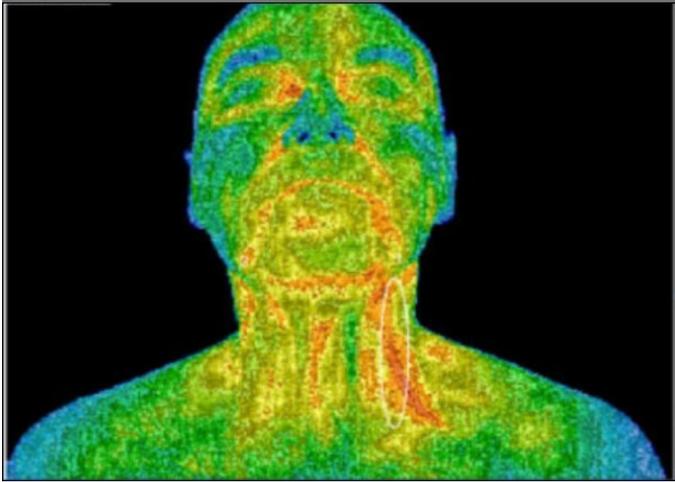
**ONDAMED® found the Main Focus in the spleen / pancreas area. Thermograph verified an alteration in same area - middle and left abdomen shows excessive heat compared to the right side. The red zone relates with heat excess (Kessler clinic, 2006)**



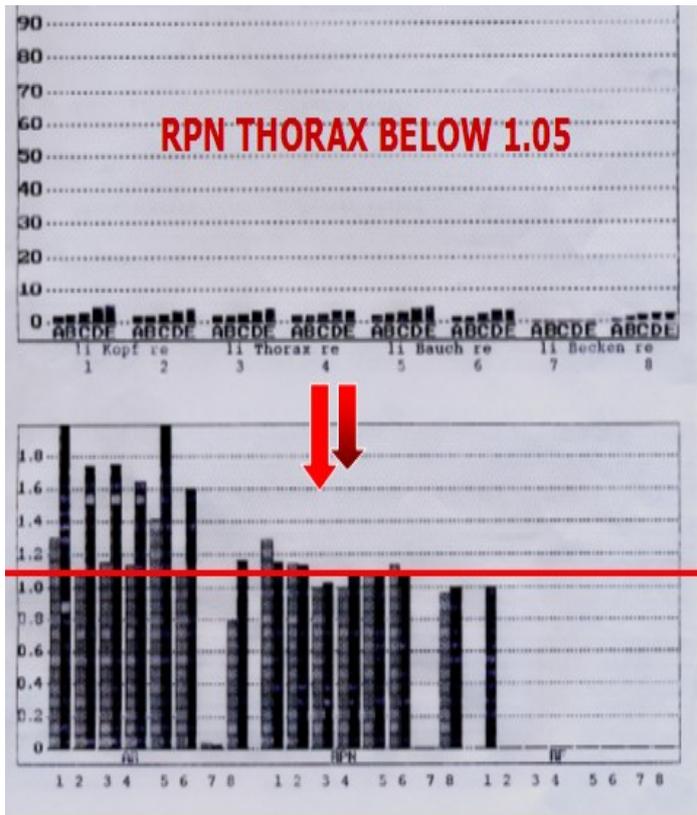
**Below: 73 year old male patient with beginning lung cancer. Left sternoclavicular area shows area of increased heat compared to the right side. Image taken before ONDAMED® therapy.**



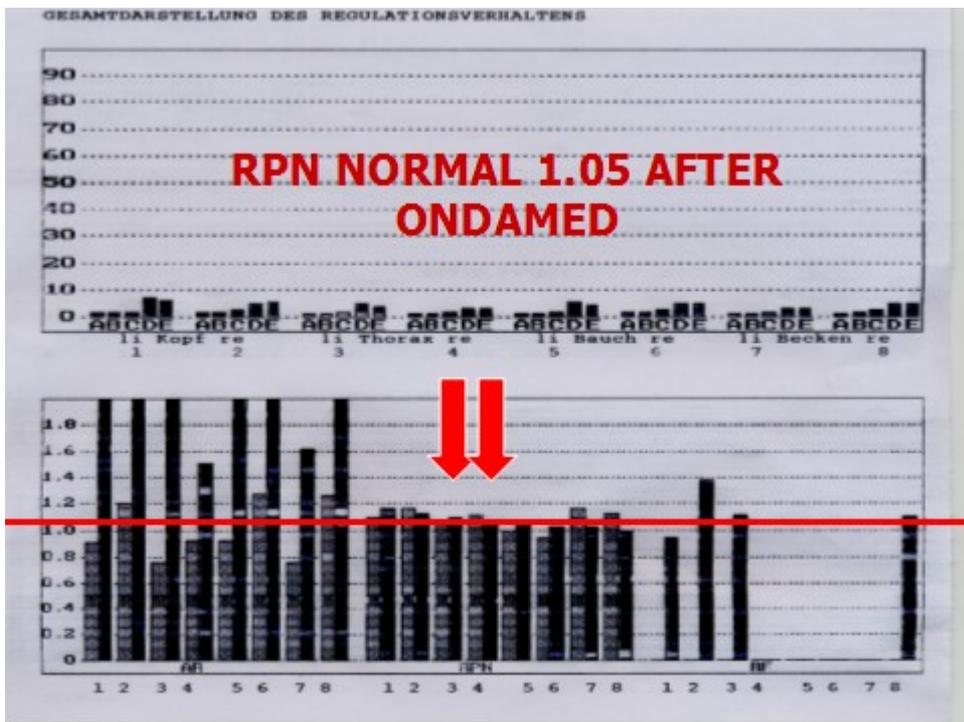
**Below: Image taken after therapy. Note: Left sternoclavicular area shows remarkably less heat. ONDAMED® found out, that the left lateral lymph zone of the neck had to be treated (Kessler clinic, 2004)**



Below: SEG before and after ONDAMED® therapy. Note: Graphical bars in left and right thorax below the 1.05 (red line) (Kessler et al, 2004)



Below: After therapy the bars are within normal range at 1.05 (note: red arrows). This clearly documents improved regulation. (Kessler et al, 2004)



**ONDAMED® is more than a dream come true. It is better than anything I have imagined in my most optimistic fantasies.**

**James Oschman, Ph.D.**

**~MC – MF~ METHOD Step by Step:**

**Karin van Huelsen, ND**



**Middle: Karin van Hülsen, ND**



**Middle: Antje Kessler**



**Advanced Training Seminar**

**1. To begin with, you follow the procedure of module 1 (specific frequencies) in the Ondamed Operations Manual like below:**

- a. Place Neck Applicator (NA) around the patient's neck.
- b. Press Power button.
- c. Press Program button.
- d. P 10 appears in the upper display. If it doesn't press CL button for 3 seconds and scroll Regulator to Program 11.  
Press Enter/save button for about 3 seconds on regulator, until you see the two -- in the upper display.
- e. Gently place thumb tip on right pulse of person's wrist.



**Make sure, you and your patient have a comfortable position!**

- f. Press the right button.
- g. Turn the regulator clockwise to scroll between 1 Hz and 31,835 Hz.  
While you scroll through the frequencies look for changes in the pulse.  
When you identify a change, press the Enter/save button on the regulator to store the frequency into memory. The lower display indicates the number of stored frequencies.
- h. Press the right button again to access the stored frequencies. Scroll through the number of selections with the regulator or using the plus (+) and minus (-) button until you identify the frequency with the greatest pulse change. Press the Enter/Save button to select the most specific frequency.

- i. The upper display is blinking, confirming the into memory stored frequency.  
Note this main frequency for documentation.  
Look on your frequency chart, which organ is related to this frequency.  
This indicates a diagnostic hint.
- j. Now you proceed to testing the Left side.  
Gently place thumb tip on left pulse of person's wrist.  
Press the Left button.  
Put your thumb tip gently on the left pulse and repeat steps g – i.
- k. Press the INT button. Press the CL button to start testing with the lowest intensity.  
Scroll up until you have the first change in the pulse.  
Press the Enter/save button to store into memory.  
Note intensity for further treatments.
- l. You do not have to test the time by using the m/s button, since the pulse will indicate the time needed for treatment.

## **2. Scanning process:**

- a. Ask the patient for his main complaint area (MC).
- b. The Neck Applicator (NA) remains.
- c. Press the star (\*) and start button.
- d. Use the hand applicator to scan the body from top to toe.
- e. Look for changes in the pulse, indicating a tissue dysfunction.
- f. Document the found areas.
- g. If you found a pulse change in the main complaint area (MC), continue with step 3.  
This will take place in about 80 %.
- h. If you did not find a pulse change in the main complaint area (MC), continue with step 4. This will take place in about 20 %.

## **3. To find the Main Focus (MF) according to 2-g:**

- a. Press the Star (\*) and Start button.
- b. Start from top treating the first tissue dysfunction area for about 10 seconds.
- c. Check the main complaint area (MC) for pulse normalisation.
- d. If the pulse at the main complaint area (MC) does not normalize, go to the next tissue dysfunction area and treat here for about 10 seconds.
- e. Check the main complaint area (MC) for pulse normalisation.
- f. Continue steps c-d until you find a normalisation in the main complaint area (MC).  
Once you find a normalisation, continue treating the main focus (MF) that evokes the pulse normalisation for about one more minute.
- g. Now check all the other tissue dysfunction areas for a pulse normalisation as well.  
If you have treated the right main focus (MF), they also have to start to normalize.  
Continue treating the main focus (MF), until all tissue dysfunction areas are almost normalized.  
Continue with step 5.  
If not, you do not have the right main focus (MF) yet. In that case, you have to continue with the steps f-g.
- h. Note MC/MF for further treatments.
- i. **Troubleshooting:** If you have tried to treat each area and none of them would change the Main Complaint pulse, try to treat the Main Complaint area (MC) itself.  
This happens rarely in about 2 %.

#### **4. To find the Main Focus (MF) according to 2-h:**

- a. Press the Star (\*) and Start button.
- b. Start from top treating the first tissue dysfunction area for about 10 seconds.
- c. Check the main complaint area (MC) for a pulse change/reaction.
- d. If the pulse at the main complaint area (MC) does not change/react, go to the next tissue dysfunction area and treat here for about 10 seconds.
- e. Check the main complaint area (MC) for a pulse change/reaction.
- f. Continue steps c-d until you find a pulse change/reaction in the main complaint area (MC).  
Once you find a pulse change, continue treating the main focus (MF) that evokes the pulse change for about one more minute.
- g. Now check all the other tissue dysfunction areas for a pulse normalisation.  
If you have treated the right main focus (MF), they have to start to normalize.  
The main complaint area (MC) has to start to normalize now as well.  
Continue treating the main focus (MF), until all tissue dysfunction areas are almost normalized.  
By changing the distance of the Hand applicator to the body, you can evoke a pulse reaction again. This applications allows lower intensity and wider application to the main focus (MF).  
Continue with step 5.  
If not, you do not have the right main focus (MF) yet. In that case, you have to continue with the steps f-g.
- h. Note MC/MF for further treatments.
- i. Troubleshooting: If you have tried to treat each area and none of them would change the Main Complaint pulse, try to treat the Main Complaint area (MC) itself.  
This happens rarely in about 2 %. However, it is so rare; you may want to try again first to treat from top to toe and make sure that neither focus would normalize the pulse over the Main Complaint area.

#### **5. Continue with treating the Main Focus (MF) with module 3 (micro organism):**

- a. Press the Program button.
- b. Press the CL (Clear) button until you see P- 10 on the upper display and 0 on the lower display.
- c. Press Enter/save button for about 3 seconds on regulator, until you see the two -- in the upper display.
- d. Press the star (\*) and RS button. You should see 101.1 in the lower display and 754 Hz on the upper display.
- e. The patient still wears the Neck applicator. Take the patients pulse and scroll through the frequencies until you reach 222.3 on the lower display.  
While you scroll through the frequencies look for changes in the pulse.  
When you identify a change, press the Enter/save button on the regulator to store the frequency into memory.
- f. Press the star (\*) and RS button. The lower display indicates the number of stored frequencies.
- g. Scroll through these frequencies with the regulator or using the plus (+) and minus (-) button finding the most significant pulse change.  
Press the Enter/Save button on the regulator.
- i. The upper display is blinking, confirming the into memory stored frequency.  
Note the number of the stored micro organism found in the lower display for documentation.

Look in your micro organism list, which micro organism is related to this number/frequency.

This indicates another diagnostic hint.

- j. Press the INT button. Press the CL button to start testing with the lowest intensity 1.0. Scroll up until you have the first change in the pulse. Press the Enter/save button to store intensity into memory. Note intensity for further treatments.
- k. Press the M/S button. Press CL button to start testing with the lowest minutes 0.30. Scroll up until you have the first change in the pulse (usually below 5 minutes!). Press the Enter/save button to store minutes into memory. Note time for further treatments.
- l. Press star (\*) and start to begin treatment.
- m. Treat the main focus (MF) for about 10 seconds. Check the pulse reaction at the main complaint area. Treating the main focus (MF) with the micro organism frequency evokes a pulse reaction in the main complaint area (MC) and all the other tissue dysfunction areas found before.
- n. Continue treating the main focus (MF) until pulse reaction in all areas normalizes. This should be successful within the tested time. By changing the distance of the Hand applicator to the body, you can evoke a pulse reaction again. This applications allows lower intensity and wider application to the main focus (MF).

## **6. Complete diagnostic with Module 2 (Preset Programs):**

- a. Press Program button.
- b. P-10 appears in the upper display. If it does not, press CL button for 3 seconds until you see P-10 in the upper display and 0 in the lower display.
- c. The patient still wears the Neck applicator. Take the patients pulse and scroll through the programs from 12 to 173 or 174 (depending on your ONDAMED Version).
- d. While you scroll through the programs look for changes in the pulse. When you identify a change, press the Enter/save button on the regulator to store the program into memory. The lower display indicates the number of stored programs.
- e. When all programs have been tested, access all stored programs by pressing the Program button again.
- f. Scroll through the stored programs with the regulator or using the plus (+) and minus (-) button until you identify the program with the most significant pulse change. Note the program number from the upper display for further treatments and documentation. Press the Enter/Save button to select the most specific program.
- g. Look into your program list to find the indication.
- h. Do not treat with this program in the first session. This program will be needed for later sessions.

## **7. Diagnostic Information:**

Once you have completed the first session step 1 to 6, you have received a number of diagnostic information.

- a. Right frequency related to a certain organ.
- b. Left frequency related to a certain organ.
- c. Main Complaint (MC) relation to the Main Focus (MF).
- d. Micro organism.
- e. Program Indication.

f. Opportunity to integrate according your achievement above other methods or medications.

**8. Further Treatments:**

First Treatment: Steps 1 to 6.

Second till fifth Treatment: with same specific frequencies found in the first session.

with same micro organism found in the first session.

eventually same specific program found in the first session.

6. Treatment: Redo steps 1 to 6 to check diagnostic for changes.

## **~AFT~ ACUTE FOCUS THERAPY**

Dear fellow therapists.

This is to complement the advanced training seminar in New Windsor, NY, 2009.

There are two different focus therapies:

The ~MC MF~ method (Main Complaint - Main Focus) is guiding you to the chronic condition which represents the chronic structure of the patients health disorder. This method may be a break through for both the therapist and the patient.

The ~AFT~ (Acute Focus Therapy) is an extreme valuable option in acute situations. For instance for a case of a toe fracture you would point the hand applicator to the fracture. The patient is not additionally connected to the neck applicator.

### **Step one:**

You would then find the specific frequencies correlating with that particular area (fracture site). Choose the best one.

### **Step two:**

Treat the fracture site via hand applicator. The patient is not connected to the neck applicator.

Option: When using the ~MC MF~ method, feel free to use the ~AFT~ for the main complaint area, too, alternating with the ~MC MF~ therapy.

## TREATMENT WITH POTENTIATED FREQUENCIES (FOR THE ADVANCED THERAPIST)

**Karin van Huelsen, N.D.**

Why does my patient not respond to the treatment?

Does this happen to you, too? You did everything that you are supposed to do, but the patient does not feel better. If you relate, you should read on because you will receive an answer.

This problem has been an issue for well-known therapists for decades whether they were classic homoeopaths or inventors of EAV (aka Electro Dermal Screening) method or Bioresonance.

Although we use all our knowledge in the field of both homeopathy and electro dermal screening for diagnosis and treatment, the diseased tissue often does not respond satisfactorily.

You start questioning the method itself:

Did I find the right homoeopathic substance?

Is it the right potency?

Did I test correctly?

Whoever has studied homoeopathy or EAV/Electro Dermal Screening will sooner or later proceed to the study of Homotoxicology according to Heinrich Reckeweg, MD (1877-1944). Based on Hahnemann's principal of the similarity, Dr. Reckeweg developed the first homoeopathic complex agents.

He also had the idea to produce a potentiated homoeopathic accord which means, the use of a combination of different potencies of the same substance.

The aim is to get a better response of the diseased tissue based on the medication and proper frequency.

The idea to use a potentiated homoeopathic accord, or in our case a frequency accord, could also be adopted by the ONDAMED® System.

Therefore, we only have to broaden the tested frequency to its octaves. For example, when I have tested a right frequency of 209.14 Hz, I will use the frequencies according to the octaves.

In our example this would be the frequencies of 0.81 Hz; 3.36 Hz; 13.07 Hz; 52.28 Hz; 209.14 (tested Main Frequency), 836.56 Hz; 3346.2 Hz; 13,385 Hz.

The reason to begin with C-4 or C-5 is simply technical because there are only 8 lines available for programming. So we cannot use all the octaves. Seemingly, this is also not necessary. It is more important to reach both the lower and higher frequencies for treatment. This also explains why we have to skip one octave in-between. Therefore the beginning starts within approximately 1 Hz.

This will give us a wider frequency spectrum without losing specificity.

Don't worry – you can do it too!

Just follow the technical pathway below.

To begin with, you follow basically the procedure of module 1 (specific frequencies) in the ONDAMED® Operations Manual as listed below.

- a. Place Neck Applicator (NA) around the patient's neck.
  - b. Press Power button.
  - c. Press Program button.
  - d. P 10 appears in the upper display. If it doesn't appear, press CL button and scroll regulator to Program 11.  
Press Enter/save button for about 3 seconds on regulator.
  - e. Gently place thumb tip on right pulse of person's wrist.
  - f. Press the right button.
  - g. Turn the regulator clockwise to scroll between 1 Hz and 31,835 Hz.  
While you scroll through the frequencies look for changes in the pulse.  
When you identify a change, press the Enter/save button on the regulator to store the frequency into memory. The lower display indicates the number of stored frequencies.
  - h. Press the right button again to access the stored frequencies. Scroll through the number of selections until you identify the frequency with the greatest pulse change. Press the Enter/Save button to select the most specific frequency.
  - i. The upper display is blinking, confirming the into memory stored frequency.  
Note this main frequency for later frequency accord programming.
  - j. Now you proceed to testing the Left side. Press the Left button.  
Put your thumb tip gently on the left pulse and repeat steps g – i.
  - k. Decide between the main right and main left frequency by shifting using the Right or Left button.  
Note this main frequency for later frequency accord programming.
  - l. Press the INT button. Press the CL button to start testing with the lowest intensity.  
Scroll up until you have the first change in the pulse.  
Press the Enter/save button to store into memory.  
Note this intensity for later frequency accord programming.
  - m. Press the M/S button. Press the CL button to start testing with the minimum time.  
Scroll up until you have the first change in the pulse.  
Press the Enter/save button to store into memory.  
It is not recommended to use a time above 4 minutes.  
Note this time for later frequency accord programming.  
Now we can start programming the frequency accord by using the following example:  
Found right frequency: 209.14 Hz (main frequency)  
Found left frequency: 1,149.4 Hz  
Tested intensity: 2.3  
Tested time: 3 minutes
- a. Press the Program button and load Program 11. Press Enter/save for 3 seconds.
  - b. Press the RS button. The light will go out.
  - c. Look into your frequency chart to find the right frequency of 209.14 Hz.  
Move with your finger on the chart deeper within the octaves until you reach C-4 or C-5.  
In our example we will reach the frequency of 0.81 Hz(C-5).  
This will be our first frequency for the frequency accord.
  - d. Press the Right button and scroll down to 0.81 Hz. Press Enter/save.
  - e. Press the Right button and the Plus (+) button. In the lower display you will see the number 2.
  - f. Press the Right button, then the Star (\*) button and Plus (+) Plus (+).  
This is how you could bypass one octave.  
Make sure, the next frequency will be displayed according to the octave on your frequency chart.  
In our case 3, 26 Hz.

- Press the Enter/save button.
- If you haven't reached the right frequency, press the Star (\*) button and scroll to the correct frequency and press the Enter/save button.
- g. Press the Right button followed by the Plus (+) button. In the lower display you will see the number 3.
  - h. Repeat the steps f and e until you programmed all eight frequencies.  
The programmed frequencies are:  
0.81 Hz; 3.26 Hz; 13.07 Hz; 52.28 Hz; 209.14 Hz (Main Frequency); 836.56 Hz;  
3,346.2 Hz; 13,285 Hz.
  - i. Look into your frequency chart to locate the left frequency 1,149.4 Hz.  
Move with your finger on the chart deeper within the octaves until you reach C-4 or C-5. In our example, we will reach the frequency of 1, 12 Hz (C-4).
  - j. Press the Left button twice. Press the Minus (-) button as often until you see the number 1 in the lower display.
  - k. Press the Left button and scroll to 1.12 Hz. Press the Enter/save button.
  - l. Repeat the steps e – h.  
The programmed frequencies are:  
1.12 Hz; 4.48 Hz; 17.95 Hz; 71.83 Hz; 287.35 Hz; 1,149.4 Hz (Main Frequency);  
4,597.6 Hz; 18,390 Hz.
  - m. Press the INT button twice. Press the Minus (-) button as often until you see the number 1 in the lower display.
  - n. Press the INT button and scroll to the tested intensity of 2.3. Press the Enter/save button.
  - o. Press the M/S button and scroll to the tested time of 3 minutes. Press the Enter/save button.
  - p. Press the Plus (+) button to get into the next line. In the lower display you will see the number 2.
  - q. Repeat the steps n – p until you have programmed all 8 lines.

#### Beginning therapy:

In our example the main frequency of 209.14 Hz relates to the organs lung and colon. According to our patient's record, we find a long history of lung infections. Therefore we place the matrix applicator on the upper dorsal thorax. This means, the main frequency will show you where to put the matrix applicator. In our patient's record we also find heart disease. To treat the lung with consideration of the heart, always place the applicator on the upper thorax in the back.

Start the program by pressing the Start button only.  
According to our program the time should be 24 minutes.

Take the hand applicator and place your thumb on the patient's pulse and scan the body from top to toe.

The main pulse change will show you the spot where to treat with the hand applicator. For the rest of the time the patient or the assistant can use the hand applicator as shown. It is not necessary to take the pulse within the rest of the treatment, because the issue is to apply the different octaves step by step for treatment.

At this time, I want to add to our example, that the hand applicator was placed on the left frontal thorax. The patient's record showed a history of tachycardia and high blood pressure.

#### Therapy result:

In our case, the patient reacted during treatment in the right knee area.

In his history we found an ACL rupture and tibia fracture on the right side. He still has numerous swellings and limited movements.

After one (1) ONDAMED® therapy, the knee could be bent much easier. The patient's pain disappeared.

Resume:

Follow the technical information above step by step and it will be also easy for you to get a wider therapy spectrum which is still specific. Your patient will benefit from it.

## STOP SMOKING PROGRAM

Step by Step Instructions, revised edition

Karin van Huelsen, ND



Catherine Hettich-Jensen RN, PRN

Make sure, that the patient does not smoke that day!

Otherwise you have to start all over again.

**The water you are charging during all steps, accept step 6, is the same glass and bottle!**

### Step 1:

Press the Program button.

Press CL Button for about 3 seconds until you see 0 on the lower display.

Scroll to program # 16.

Press the Enter/Save button on your regulator for about 3 seconds.

Press the M/S button and scroll down to 4 minutes.

Place the neck applicator on neck

Place the hand applicator at the tip of the sternum (xiphoid).

Place the matrix applicator under 1 glass and 1 bottle of water.

Press the Start button.

### Step 2:

Press the Program button.

Press CL button for about 3 seconds until you see 0 in the lower display.

Scroll with the regulator to Program # 47.

Press the Enter/Save button on your regulator for about 3 seconds.

Place the neck applicator on the left foot so that forceps grips top/bottom of foot (ball of the foot).

Place the hand applicator at the tip of the sternum (xiphoid).

Place the matrix applicator under 1 glass and 1 bottle of water.

Press the Start button

Step 3:

Press the Program button.

Press CL button for about 3 seconds until you see 0 in the lower display.

Scroll with the regulator to Program # 123.

Press the Enter/Save button on your regulator for about 3 seconds.

Place the neck applicator on neck

Place the MA4 on the left thigh/groin. If you do not have the MA4 applicator, use MA8.

Place the hand applicator in front of 1 glass and 1 bottle of water.

Step 4:

Press the Program button.

Press CL button for about 3 seconds until you see 0 in the lower display.

Scroll with the regulator to Program # 94.

Press the Enter/Save Button on your regulator for about 3 seconds.

Place and hold the neck applicator just above right and left ear. Bridge of the neck applicator either right under or directly on the bridge of nose, depending on nose size. Larger nose, rest on bridge of nose. Smaller, under nose.

Place the MA4 on the left side of the upper body, directly under the left breast. If you do not have the MA4 applicator, use MA8.

Place the hand applicator in front of 1 glass and 1 bottle of water.

Press the Start button.

Step 5:

Press the Program button.

Press CL button for about 3 seconds until you see 0 in the lower display.

Scroll with the regulator to Program # 117.

Press the Enter/Save button on your regulator for about 3 seconds.

Place the neck applicator on neck.

Place the MA4 horizontally on the back from the left shoulder to the right shoulder. If you do not have the MA4 applicator, use MA8.

Place the hand applicator in front of 1 glass and 1 bottle of water.

Step 6:

Press the Program button.

Press CL button for about 3 seconds until you see 0 in the lower display.

Scroll with the regulator to Program # 72.

Press the Enter/Save button on your regulator for about 3 seconds.

Place the neck applicator on neck.

Place the MA4 on the floor with both feet on top of the applicator. Make sure the part of the feet, right under the ball, and just above the heel are centrally placed on the matrix applicator. If you do not have the MA4 applicator, use MA8.

**Attention!!! Do not charge water with program # 72 !!!**

Step 7:

Press the Program button.

Press CL button for about 3 seconds until you see 0 in the lower display.

Scroll with the regulator to Program # 47.

Press the Enter/Save button on your regulator for about 3 seconds.

Place the neck applicator on neck.

Move with the hand applicator starting at the left buttock, in figure eights up to the bottom of the neck. Then move down the spine. Start again at the left buttock and repeat.

Place the matrix applicator under 1 glass and 1 bottle of water.

Press the Start button

**After a treatment the patient may not ingest:**

Coffee, Tea, Spirits (Alcohol) of any kind, caffeinated soda, over the counter or prescription diet pills, chocolate, as these all are stimulants and must not enter the body up to 12 hours after the completion of the treatment. If this rule is not heeded, an additional full treatment will be required. Keep nicotine away from the body including gum, patches or inhalers.

The client must drink two liters of water every day for 14 days after treatment.

Inform your patient that reactions might occur (Irritability, Agitation, extreme mood swings, sadness, sleeping problems, uneasiness). Have your patient call you if nessessary.

**Only if the patient experiences the physical urge to smoke, the addiction program should be re-administered.**

## **PRESENTATIONS**

**ONDAMED®  
FIRST INTERNATIONAL SYMPOSIUM  
MARIOTT HOTEL, BROOKLYN, NEW YORK  
OCTOBER 12-14, 2006**

Part 1

Wolf-Dieter Kessler

What we are accustomed to calling "alternative" medicine is not simply something different or less than traditional allopathic medicine. Instead, the various methodologies and techniques that are termed "alternative" represent a "globalization" of medicine, representing our awareness of medical ideas from other cultures and traditions. Thus, alternative medicine is actually globalizing medicine.

~Dr. Mehmet Oz

When I examine myself and my methods of thought, I come to the conclusion that the gift of fantasy has meant more to me than my talent for absorbing positive knowledge.

~ Albert Einstein~

Conventional medicine is mainly aiming at objective data. Objective data mostly comprises morphological alterations of cells, tissues and organs.

Using these morphologically oriented diagnostic tools, we identify chronic diseases in their final stage. Hence, many of our chronic diseases have advanced so far in the organism that clinical medicine is only capable to offer palliative relief. Healing, however, will be a rare success (G. Heim).

It is apparent that although we use state of the art clinical diagnostics, there is a poor outcome in detecting early stages of chronic diseases. It has been a lifetime work of Professor Günter Heim from the University of Heidelberg, to present an innovative early detection diagnostic procedure for preventative medicine.

Evidently, such procedures must originate from functional diagnostic methods. In other words, modern preventative diagnostics must check the capabilities of the organism to regulate.

Any function of our cells is called regulation since it comprises the control of incoming and outgoing foods, toxins, oxygen, carbon dioxide and maintenance of cell structures.

Today, we know that all living organisms are open systems that respond by regulation to external interference. This is the only way to maintain a stable dynamic equilibrium. Healthy cells are flexible. They regulate fast and appropriate according to the stimulus. Diseased systems are rigid and non-flexible. They react either slowly (anergic) or exaggerated (hyperergic).

Chronic diseases do not pop up overnight. They take a long incubation period to unfold. During that phase you seldom see the manifestations of the later clinical symptoms. On the contrary, there would be both unclear and unspecific complaints. Alas, in most cases the beginning disease is only manifesting itself in stress situations. Therefore, we need the stress test to detect regulation-deficiencies of the organism.

The Segment Electrogram (SEG) discovers chronic regulative deficiencies of the main skin zones of the body. Skin zones are correlating with inner organs by nerve reflexes.

Over 34 years of focusing on chronic diseases has taught me clearly that disease is an impairment of the body to regulate. Consequently, it can be documented by modern testing devices for example, the SEG.

Above all we can prove the quality of our therapeutic success right after the therapy.

It is interesting that the focus responsible for the disease could be far away from the complaint area. We have demonstrated in 52 cases that the finding and treatment of the main focus is essentially necessary to improve regulation.

In the past there was no documented method to identify a focus as the main responsible focus. Further, we did not know how to treat it adequately.

Using the ONDAMED® and the method presented today, you can identify the main focus fast and accurately. The subsequent therapy produces excellent results to improve regulation. Simultaneously, the patient will articulate spontaneous relief. Positive results can be objectively documented during and after the therapy both by Thermograph and Segment-Electrogram.

Monitoring of 52 patients has shown that successful ONDAMED® therapy can be achieved, if the MAIN FOCUS (MF) is treated. Just that, fast and accurate identification of the MAIN FOCUS in each patient has been formerly impossible for me without the ONDAMED®.

Additionally the MAIN FOCUS must be treated by the hand applicator and not by the Matrix Applicator. Initially I was astonished by this fact. However, the ONDAMED® had been designed as an induction therapy. Considering that fact, it becomes clear that we need to focus, 'pin point', on a certain area to treat successfully. The following power point presentation helps to understand these facts.

## RESUME

ONDAMED® is a bio-feedback device currently at the fore-front of medical research world-wide. In practically all of this research work, ONDAMED® has produced absolutely stunning and consistent results most especially in conditions where conventional medicine has plainly met its limit.

It is based on the concept of Energy Medicine which recognises that living organisms are energy systems, the state of health of which is determined by the condition and flow of the contained energy.

Acupuncture and even such simple diagnostic events as are recorded in EEG (brain) and ECG (heart) tracings are based on this concept. ONDAMED® however, for the first time in the history of medical practice, now applies this concept in an exact and objective manner in order to obtain explainable and reproducible results.

Every organ in the body in its healthy state emits certain waves of a definite frequency 'known' to the ONDAMED® device. A treatment session, which typically lasts about 30 minutes, involves scanning the entire body over with a hand-held applicator while feeling the pulse.

A definite reaction (a spike) in the pulse (which constitutes the bio-feedback response) is easily felt when the scanner sweeps over any unhealthy areas of abnormal wave frequencies.

Such areas can then be subsequently focused upon and 'bathed' so to speak, with the proper and therefore therapeutic frequencies in order to restore the unhealthy organs in these regions to normalcy.

Having been thus restored, the organs spontaneously recover their powers of self repair with the process of healing now able to progress normally. It has been found to work even in animals.

In this way, ONDAMED® works by making it possible for the body itself to indicate at the time, what it needs in order to be restored to its natural state of radiant good health.

What this means, in effect, is that you really need not know what the issue is with you! And, indeed, who cares about all the medical terms? Simply get scanned by ONDAMED® and have it deliver to your body the required therapeutic frequencies.....and you can just start feeling better again. No more, no less! It is a truly amazing time that we live in.

The dynamism and uniqueness of every human being and animal is what is in question here. No longer need anyone be categorized, boxed up and branded with a diagnostic label then treated strictly as such every time he walks through the door. ONDAMED® compels the practitioner to meet each individual for who they are right now, right here.

ONDAMED® will yield for you results, in your field of work that you never thought possible.

The ONDAMED® practitioner does not send the patient home with pharmaceuticals, remedies and recipes; he helps them back to health right there and then with unprecedented immediacy.

Anything from 1 to 20 sessions of treatment may be required depending on the state of the body concerned, but the process of self repair is jump-started right from the beginning in every case.

The process is a completely non-invasive one from start to finish. Even the removal of clothing is not required. Waves of known frequencies are the healing elements employed by the device, hence the 'ONDA' (meaning wave in Latin) forming its part name.

The general experience has been that with the commencement of ONDAMED® treatment sessions, users get rapidly weaned off on-going drug treatments with the latter being finally jettisoned completely. With the rapid onset of recovery and a feeling of well-being users are often heard to say 'I forgot to take my drugs'!

Alongside the healing that always unfailingly results from the use of ONDAMED®, a psychological shift that permits a change in attitude of the user simultaneously occurs, leading into restoring health.

In brief therefore, ONDAMED® restores the body's ability to heal itself, based on the incontrovertible truth that radiant good health is the natural state and birthright of every human being.

ONDAMED® has a short learning curve for anyone who wishes to use it. It comes with a Training CD which clearly and very simply demonstrates and instructs on how it is to be used. You may therefore commence its usage immediately if you so wish.

ONDAMED® is the medical response of the 21st century that our life functions are primarily controlled by physics.

#### **TAKE HOME MESSAGE**

#### **ONDAMED PROVIDES THE INFORMATION FOR REPAIR**

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**Karin van Huelsen with my grandson Sean Sebastian**