

BIOINFORMATICS AND BIORESONANCE

The importance of communication has become evident in the last decades. Beside industrial and social importance of communication, science has shown us the essential importance of biological communication. Our body has to adapt to various environmental changes and our internal organs, tissues, other subsystems necessitate an extremely precise communication in order to be able to synchronize the vast amount of biochemical reactions which are necessary for the homeostasis of human life.

The nature of this essential biological communication is just under investigation in the last century. This is a direct, rapid, and very efficient type of communication quite distinct from commonly explored pathways such as neural and hormonal. The electromagnetic nature of this direct signaling system has been more fully described since the 1970's with the help of more and more precise research equipment, such as the photomultiplier and various high resolution spectrum analyzers.

Now we know through the understanding of the chemical structure of the living tissue how this internal signal transmission can be so selective and efficient. This is accomplished by means of the diverse spectral properties of the living tissue that employ varied spectral bands of communication. In bioinformatics, structure dependent communication pathways are called "biological windows." This was first identified and described by the research group led by Ross Adey in the late 1970's at Loma Linda University, California.

The basic synchronizing and controlling structure in the organism is DNA. Its photonic signal emission was identified by Fritz Popp's research group at Max Planck Institute in Kaiserslautern, Germany. This discovery can also explain how differentiation is controlled during embryogenesis, even prior to development of the hormonal and nervous systems.

On this foundation, the various research facilities of Hippocampus Institute (Budapest, Hungary) have continued to develop the field of bioresonance and bioinformatics. Hippocampus has identified numerous biological windows, particularly within the areas of immunology, oncology, radiobiology, endocrinology, gerontology, and neurology. Disease-related research encompassed protocols for various pathologies, e.g. acute renal failure, severe burns, and various preparatory treatments for conception and delivery. Hippocampus works with the Hungarian Olympic Team to maintain health of the team members, prevent injury, enhance performance, facilitate adaptation to heavy travel schedules, and to aid rapid recovery from injuries.

Educational programs are a high priority for Hippocampus, and training is promoted at various Universities and medical societies throughout the world. These systematic education programs during the last 11 years have distinguished Hippocampus as a leader in the field of bioresonance therapy.

Hippocampus employs their knowledge through the development of research and therapeutic devices. Research activity within the fields of bioinformatics and bioelectromagnetic communication has necessitated that sensitive measurement devices be created in cases where none had existed.

Step by step Hippocampus has moved into the production of user-friendly therapeutic instruments which can be used in clinical as well as home-care environments. Currently, Hippocampus produces an entire line of wellness devices which emphasizes the preventative aspect of health care. The quality and precision of these instruments is on the highest professional standard.

Hippocampus Wellness Devices

Mobile Cell-Com



Mobile Cell-Com® (MCC)

A high fidelity lap top size device for the application of the organism's proper (endogenous) control signals as biofeedback bioresonance treatment.

MCC is the most up-to-date bioresonance therapy device. Its accuracy of signal processing is unique, depending on the frequency range about 10.000-1.000.000 times better than in the case of former BRT devices. This is possible due to a superior filter system and a newly invented phase modulation technology; those technical developments provide a high fidelity in the application of biological signal processing.

Statements made here have not been evaluated by the FDA.
These products are not intended to diagnose, treat, cure or prevent any disease.

MCC works with the endogenous information of the treated organism thus providing the most personalized treatment possible. It captures the organism's bioinformatic control signals with special multilayer magnetic electrodes and filters out the information content of the biological window which needs correction. Through the output it provides the necessary treatment signals proper to the actual state of the organism.

Application of BRT with the MCC is extremely user friendly:

- simple program operation
- possibility to compose the entire treatment session in one step
- Easy electrode placement – no need to remove clothes
- short therapy sessions
- no pain, no inconvenient sensations of any kind

There are several medical fields where the application of endogenous BRT provides a new dimension of effectiveness even in chronic cases:

- Allergy treatment
 - Application of antigen specific signals.
 - Meridian programs.
 - Specific programs for allergy related mycosis super-infections and intestinal flora normalization.
- Detoxification
 - Substance specific detoxification possibility.
 - Organ and tissue specific detoxification possibility.
- Scar regeneration
 - Normalization of electro-physiologic properties of injured tissues.
 - Treatment possibilities of old scars with non-complete regeneration.
- Potentiating the immune system
 - Direct improvement of immune cell activity.
 - Facilitating white blood cell production.
 - Immunization through improvement of the digestive process and the status of the large intestine.
- Growth normalization during childhood development
 - Harmonizing bone growth.
 - Optimizing the activity of the nervous and glandular systems.

- Hormonal treatments and preparation for labor

Adolescent, adult and menopause hormonal treatments for women.

Special programs for andrological problems.

Programs for prostate enlargement related disorders.

Preparation for labor before and during pregnancy.

CNS related hormone regulation disorders.

Endocrine gland related hormonal problems.

Skin related hormonal problems.

Through the development of this high fidelity device we have also solved several safety and applicability problems regarding bioresonance treatments:

- Safety:

No more danger of electric shock because of battery operation (12V).

Infra red connection (IRDA) with the computer (needed for program selection);

That is why there is no need of a special safety transformer for the computer.

- Applicability:

Newly developed multilayer electrodes provide a better signal transmission and make possible an easy, standardized electrode setting.

The removal of clothing is no longer required, making the treatment of the handicapped and religious people feasible.

Portability, MCC is a lap top size bioresonance unit, gives the opportunity to apply BRT also on sport fields and other places far from electricity (like in agriculture).

Summary

MCC has opened a new chapter in the book of individualized treatments. This device will enable the biophysical and through this also the biochemical guidance of the physiologically important organs and tissues to be treated more individually. It allows the practitioner to intervene in the biological system at the deepest causal level known, on the electromagnetic control level of bioinformatics.

MCC is a portable, lap top size bioresonance unit applying the endogenous signals of the treated organism, which functions on battery power. It features 543 different treatment programs for the fine tuning of different metabolic processes. The enhanced accuracy of signal filtering and transmission, the broadest applied frequency range among bioresonance devices, the easy software operation and the low price range make it a very attractive tool for all health care professionals.

Lenyo Lux



The Lenyo™ is a low intensity pulsating magnetic field emitter, which stimulates functional activity of the targeted tissues. Its effect is non-invasive and non-thermal.

It is portable and battery operated and can be used during ones work, whilst driving, commuting, watching a film, most daily activities and even sport. The Lenyo™ will not distract or disturb the user or anybody in his/her environment.

Resonance based communication tools are used in everyday life of each individual: mobile phones, TV, radio and microwave ovens etc. Also modern laboratory equipment functions by resonance based interaction since spectrum analysis is proceeded by investigation of tissue or other substances like blood and urine. This is also based on resonance between the electromagnetic waves emitted by the measurement device and the measured system itself.

Each biochemical reaction is controlled by certain bioinformatic processes' of which the frequency is chosen to get into resonance based interaction. Example: immune cells can be activated by specific frequency modulated magnetic field.

All Lenyo™ devices emit complex wave packages, once the Lenyo™ is activated a series of subprograms will start to run and once a cycle of this complex program is completed the device will automatically switch off. The application dosage is measured in cycles and each device is complete with the required application dosage.

The most common applications of the **Lenyo™ Lux Device**:

- Prevention of osteoporosis
- Rehabilitation after bone fractures
- Immune system stimulation, activation of phagocytosis
- Anti-inflammatory treatments
- Wound healing
- Digestive disorders, stimulation of enzyme production
- Detoxification
- Muscular regeneration
- De-stress, both physical and mental
- Facilitation of tissue and organ regeneration

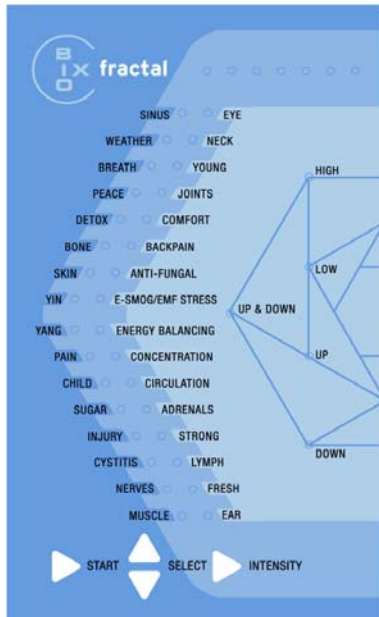
Lenyo Mobil



The **Lenyo™ Mobil Device** is a *wellness device* which emits pulsed magnetic field in order to facilitate the self-healing capability of the organism in a holistic approach. It is suitable for home care application in combination with any other preventive or rehabilitational method. This device is portable and can be applied at home, during your work or commuting.

This device can be used for bone tissue treatment and prophylactics, for better performance during work and sport activity, better removal of metabolic waste and for a faster recovery, also useful in anti-aging strategies, for a better digestion, enzyme production and testinal motility, for treatment of chronic pain conditions and for boosting the immune system.

BioXline Fractal



The BioXline Fractal is the home use version of the Lenyo Lux. Programs are specially created for home use applications and support for more comprehensive treatments given by practitioners with the other Lenyo professional devices. However, the complexity of each program was preserved so that effectiveness is comparable to that of the Lux.

This device was created to make the technology affordable for each family with a prevention value that far exceeds its cost. Easily transportable, the Fractal can be a steady companion for regular healthcare maintenance. It is both lightweight and durable with solid connectors that protect against breakage.

BRT application in Europe

Since 2001 clinics and hospitals in Europe have been employing bioresonance devices for more than one million treatments per day. In addition, there are over 60,000 families utilizing home devices for their preventive health care. Extensive research has shown that the application of this technology in allergy treatment is particularly effective. Other allergy-related inflammatory processes respond well to BRT, such as IBS, Crohn's, and chronic sinusitis. All sorts of joint problems, back pain, and sport injuries are successfully treated by BRT in Europe. In fact, a large percentage of Olympic athletes in Europe use this technology.

Possible BRT application fields in North America

Allergy treatment
Anti-aging treatments
Back pain
Child development problems
Circulation
Concentration and learning
Detoxification
Digestive disorders
Environmental sensitivities
Fungal infections
Gerontology
Hormonal balancing
Immune support
Jet lag

Joint problems
Liver and gall bladder support
Menopause
Mood swings
Nervous disorders
Osteoporosis prevention
Psoriasis
Relaxation
Seasonal affective disorder
Sinusitis
Sleep disorders
Sports medicine
Stress reduction
Vision care

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