

WHAT IS BRT?

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Everyone must adjust to numerous local environmental changes instantaneously. Internal metabolic synchronization of the organism requires permanent adaptation within the different organs, tissues and cells. In science, the field of bioinformatics works with the investigation of how adaptation processes are exactly organized in the body by using diverse, discrete spectral bands of electromagnetic (EM) biocommunications. This synchronization of different adaptation processes necessitates a communication system with a very precise level of functionality within the organism. Due to the speed and precision of the required communication, scientist in the late 19th century calculated and hypothesized that it must be at an EM level because the neurological and hormonal systems are not capable of conducting this high a level of interaction.

In biology during late 19th century, demonstrating communication at the speed of light, as required by the body, was a huge challenge due to the capabilities of the instrumentation. However, with so many different telecommunication appliances in use today, signal transmitting at the speed of light seems normal. All our hi-tech instrumentation is based on the investigation of the vibration characteristics of the tissue. For example, our blood is analyzed through EM measurements by spectroscopic devices in the laboratory. When we make a scan, we analyze changes in the tissue caused by extremely weak oscillations. Basically, with modern technology, we can compare healthy tissue with ill tissue for diagnosis. With the same technology, we can detect more and more disturbances within our bodies, even before tissue can suffer damage. These detected underlying ailments are called “Functional Disturbances,” which create long lasting tissue damage. Functional Disturbances occur very frequently in everyday life. Physiological stress, temporary chemical stress, or day long exposure to EM fields can cause such measurable functional changes.

Bioresonance Therapy (BRT) is specialized to maintain the optimal melody of this tissue by the orchestrating the internal communication of the organism. Based on the research from the field of Bioinformatics, BRT uses EM signals to treat an organism, or one of its elements, in the healing process. By aiding proper communication, the body can now respond to the negative stimuli of the surrounding environments by having the communication restored to its required direct, rapid, and very efficient EM signaling precision. This allows the organism to help itself heal when it cannot maintain its own molecular activity or organization due to Functional Disturbances caused by these outside influences. The vast possibility of balancing organisms through BRT and the positive impact it has on the individual has only begun to be understood in the past 25 years.

FOUNDATIONAL BREAKTHROUGHS

In 1975, German scientist Dr. Fritz Popp made the first of two breakthroughs for BRT when he discovered that DNA is the first structure to emit endogenous pacers. By

emitting photons to the body through EM signals, DNA instructs cells how to function in rhythm or harmony. This process begins at conception and continues throughout the lifespan of a person.

The second breakthrough occurred in 1978 when Australian scientist Ross Adey discovered a second center of communication within the body. He determined that cell membranes oscillate, or resonate, depending on the needs of the cell, to create a biological communication channel called a “biological window,” commonly known as “Adey’s window.” Each biological window has measurable and definable frequencies, amplitudes and a phase that has discrete ranges projected on different characteristics of a wave. Only an active window can be used in information transfer and to encourage adaptive activities. This creates natural selectivity in the cells and tissue. By altering the biological windows of a system, functional change occurs, which is known as phase change. This change helps the organism adapt to environmental changes whether endogenous [from inside the organism] or exogenous [from outside the organism].

The results of these breakthroughs mean that DNA and cell membranes are centers of both transmission and reception of EM biocommunication within an organism. These two centers maintain order and integrity, even when greater EM fields outside the body are present. They reorganize internal synchronization (scientifically stated as the state of coherent induction); organize the activity of cells through to larger biological units such as organs; and, more importantly, create natural selectivity to prevent over use of our organs. As long as these centers are operating properly and the communication between tissues, organs and subsystems is not affected or disrupted, the body maintains its order, integrity, synchronism and natural selection. If either the pathological aspects of natural selection are expressed, or the signal transfer and processing within an organism is not satisfactory, adaptability is compromised and leads to functional disorder and disease. The primary aim of BRT is to correct this degeneration.

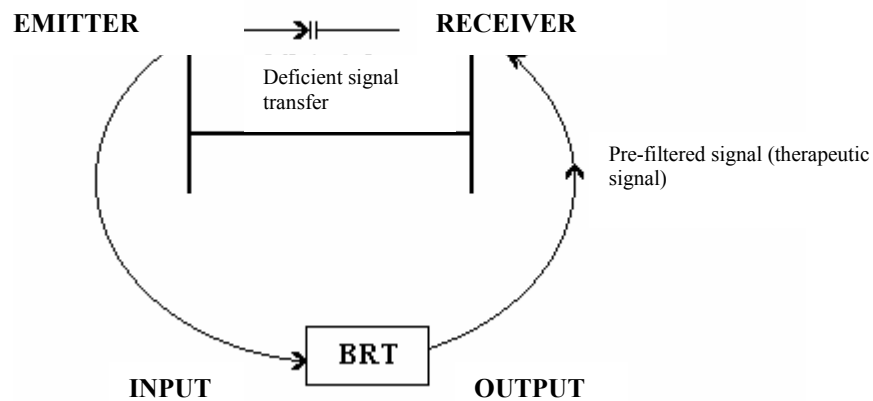
CELL COMMUNICATION

The breakthroughs by Dr. Popp and Dr. Adey basically describe the DNA and cell membranes as both senders and receivers of information, like a kind of “Walkie Talkie in the body.” For example, two workers are using Walkie Talkies to communicate, sending and receiving messages [*See diagram 1.0*] while working together at opposite ends of a field. By working in a field, the two Walkie Talkies, the workers’ centers of communication, are exposed to outside influences, exogenous pacers, as well as influences from inside themselves, endogenous pacers. Even though there are many factors at work, most of the time the two workers can hear each other very well because there is good connectivity between the two Walkie Talkie units. In scientific terms, every biological unit has communication connections with its endogenous and exogenous environment, which function as either a transmitter or a receiver. [*See diagram 1.0*] These two features are inseparable from its existence. The quality of the signal transfer highly depends on the connection of the intercellular substance.

if the workers are constantly moving around in the field, they will notice places where the signal is strong and communication is good and areas where they need to enhance the signal and reestablish this good communication. BRT endogenous devices do the same. Once the removal of blockages begins and the body changes, the oscillations change, the mirroring of the signals in the device change as well as the corrected signals going into the organism. This process is dynamic and specific.

BIORESONANCE THERAPY (BRT)

Diagram 1.1



Second, BRT eliminates non-physiological signals. After retuning or refocusing the Walkie Talkies of the body, BRT eliminates all the static from outside influences by reminding the Walkie Talkies what is static and what is good information. Scientifically, the information that is not required by an organism can be eliminated by temporal creation of standing waves that call the organism's attention to the disturbance field. This way the organism can be unburdened and physiological controlling signals get the chance to exercise their influence. Through these two functions of BRT, it is possible for the organism to perform normal bioinformatic processes as well as eliminate the signal resource that previously caused no compensation.

BRT SIGNALING

There are two types of BRT: Endogenous Therapy, using the organism's own signals, and Exogenous Therapy, which utilizes environmental pacers.

Two quick analogies of musical might help to clarify the differences between these two types of BRT: an orchestra and a jukebox. An orchestra consists of many different instrumental groups who all need to play together in order to create harmonious music. If

the body is an orchestra and a blockage in communication within one of the sections arises, the music created by the entire orchestra seems out of phase and makes an unpleasant noise. Not only is this section of the orchestra out of timing, but it can no longer recognize what the music should sound. Additionally, because each member of the section only has the sheet of music for their individual instrument, there is no way for the section to come back into harmony with the rest of the orchestra. The orchestra is in desperate need of a conductor. The conductor recognizes the number of musicians and all the different notes. While listening to the music, the conductor then begins to help the dysfunctional section hear the other sections and get back into proper timing. The amount of instruments and indeed the notes themselves are exactly the same, but now the timing is correct. Now the orchestra can recognize the music and play it well.

This is precisely what Endogenous BRT does within the body. The main technical parameters of the endogenous signal, its frequency, amplitude and phase, are detected through electrodes connected to the patient. BRT then filters out the dysfunctional oscillations by comparing these signals to other properly functioning parts of the body; filtering is necessary because of the organism's decreased natural selectivity and signal recognition. The corrected signals are sent back into the organism and open the pathological aspects of natural selection and the biocommunication within that organism. During the therapy, the reactions of the organism are continuously integrated into the therapy signals so that we always deal with the actual, ever-changing state of the organism. The duration and frequency of a treatment session are adjusted so we avoid over-regulation and, due to the exact matching of characteristics, Endogenous BRT exposes only the given reflex zone to a therapeutic signal.

If using a live orchestra is an analogy to Endogenous BRT, then a jukebox would represent Exogenous BRT. Each type of dance has a specific type of music that is needed. If a person would like to dance the Tango, a Waltz would not work. If a person would like to Tango but the only music they have is a recording of a Waltz, there is disharmony for that person. If that same person is then given a jukebox with many different pieces of music, they can then find the Tango music they desire and dance properly. Exogenous BRT is like the jukebox. It is a collection of pre-selected music or frequencies that the body can use to dance or operate correctly. When the right music or frequency is played, then the body recognizes it and begins to dance or function properly.

In more technical language, Exogenous BRT uses the external pacers needed to correct the dysfunctional internal pacers and activate vital processes of an organism within seconds. To activate these areas, the external pacers must address and closely match the "biological window" (or very precise, definable characteristics of a wave) to trigger phase change. Exogenous BRT uses pre-programmed therapies to activate phase change through these same, matched biological windows in order to treat the entire body successfully. For more effective treatments, the more matches, the more change. Thus, complex multi-resonance treatments, created through subprogramming to address all the different aspects of a certain pathological system or organ, have turned out to be the most effective method of Exogenous BRT.

It can be said that while Endogenous BRT is the most individually therapeutic method known today because it uses the patient's own oscillations, Exogenous BRT has proven to be one of the most efficient treatment methods. In both types of BRT, the natural selectivity of an organism determines what the patient can utilize from the therapeutic signals. Information transfer as well as initialization of the bio-cybernetic unit's phase change can only be achieved through resonance with the biological windows.

SCIENTIFIC BACKING

The research in England, merely summarized here, substantiates in a statistically significant manner the following facts, which have long been put forward by the Salford University, Manchester, England:

- Electromagnetic phenomena are of fundamental importance to the organization, structure, and function of living systems in the state of health and in the event of illness.
- Water, physiological saline solution and, as later was found out-alcohol, can store electromagnetic information.
- Organisms (body water and cells) also store information and constantly release it to the surroundings at room temperature and at the body temperature. People also react electromagnetically with each other.
- Electromagnetic signals, including endogenous ones, can be utilized therapeutically.
- When speaking at the informatics level, each patient must be treated individually. A controlled double-blind test therefore cannot be a suitable method for proving the effectiveness of an individual bioinformatics therapy, since there are no two people who are completely comparable.
- The ideal treatment is self-matching therapy, as represented by BRT with the patient's own frequencies.

COST EFFECTIVENESS

BRT is cost effective. Throughout Europe and the Americas, insurance companies have already begun to cover the cost of BRT.

BRT is fully covered in Europe under the following categories:

- Magnetic Therapy;
- Part of Physiotherapy;
- Microcurrent Therapy.

Additionally, BRT is partially covered under the following categories:

- Biofeedback;
- BRT;
- Electro-Acupuncture.

In North and South America, BRT can be billed in the following categories:

- Physical Therapy;
- Naturopathy;
- Acupuncture;
- Magnetic Therapy;
- Biofeedback Therapy;
- and as an adjunctive therapy to Chiropractic.

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