

RECORDING AND INTERPRETATION OF CELLULAR BIO-RESONANCE FOR THE IDENTIFICATION OF CELLULAR HEALTH STATUS: A DIAGNOSTIC AND THERAPEUTICS LITERATURE REVIEW***Dr. Irene H James (PhD Integrative Medicine)**

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ABSTRACT

After a brief overview of electromagnetic field interactions in living systems, the theoretical underpinnings of biofeedback processes are discussed. It is demonstrated that the continuous exchange of information between a living system and its environment and within the system occurs via electromagnetic field (EMF) interactions. The quantification of this continuous information exchange is accomplished using a device (the Cerebellum Multifunction Medical Instrument, CMMI), which enables monitoring the body's ongoing regulatory processes on a substance-specific basis. This device enables the examination of complex adaptation processes occurring within an organism. These processes are based on exchanging information between a living system and its environment, thus constituting functional electrodynamic testing (FEDT). A physician can use a FEDT instrument to determine a patient's electromagnetic state and then make a diagnosis without using invasive methods. To further avoid an invasive nature, the CMMI employs extremely low-intensity EMF signals. Due to the informational nature of the homeopathically prepared body-specific constituents, the diagnostic procedure functions as a form of treatment in and of itself.

KEYWORDS: cellular health, bio-resonance, diagnosis of cellular pathology, electromagnetic field.**INTRODUCTION**

Science has established this. When a pathogen distorts the electromagnetic field, diseases occur. Parasites in these cells may develop due to electromagnetic stress, fungal, bacterial, hormonal, or other pathogenic disorders. The twentieth century was characterized by advances in cellular pathology and biochemistry and increased life expectancy due to antibiotics. Complementary and Alternative Medicine (CAM) will face the challenge of improving our subjective well-being, and preventative care will face the demanding challenge. The concept is that each individual is unique. As such, each disease must be treated on an individual basis. It must be tailored to the biome of each patient. Until now, medical science has been unable to comprehend bison's aetiology or pathology.

Most things in our environment have become more complex, and as a result, our approach to the human body has shifted in recent years. We hope to see from medicine in the twenty-first century the eradication of prejudices and the facilitation of adopting new perspectives. Each day is a new beginning. Recent research indicates that chronic illnesses have a significant economic impact on the global economy.

Despite increased research into the aetiology and mechanisms of chronic diseases, the prevalence of these conditions continues to rise. A hypothesis based on epigenetics can be applied to the study of chronic diseases. Epigenetic changes to DNA sequences are those that do not involve chromatin. These are long-term changes, depending on the time scale. In the eukaryotic nucleus, chromatin possesses electrical properties. The epigenetic state of a DNA-protein complex dictates the oscillating chromatin's natural frequency. Such changes are detectable using the biopsiesonometry technique. The therapist can distinguish between normal and abnormal emission frequencies emitted by living organisms using bioresonance. Electromagnetic waves can affect biochemical processes, resulting in epigenetic changes and a significant impact on disease development. Dr Reinhard Voll's discovery that the human body's resistance is not uniform, implying the existence of electric meridians. The human body contains a total of 1000 meridians. Galvanic skin resistance at each acupuncture point in conjunction with Dr Voll's machine Mitogen radiation was discovered in 1922 by biophysicist A.G. He observed that an onion's root could replicate even when separated by the glass during its development. This discovery resulted in the invention of the resonant transfer technique.

He is frequently referred to as "the father of bioresonance." His extensive experience with electroacupuncture led him to believe that electromagnetic vibrations tailored to each patient could help him improve the precision of his treatments. Thus, the first device capable of receiving and transmitting electromagnetic frequencies was built. Morell began by using the body of a patient as a primary model. MROLL is the abbreviation for the initial device designator, invented by an electronic engineer named RAMsche. In 1987, the BIC method was found to be superior to the conventional device. The patient's body detects the abnormal signal at the abdominal area's input (as well as any part of the body). This message is being forwarded to Bom and amplified. Following its return to the patient, this further amplifies the inverted therapeutic signal. Bioresonance devices enable the treatment of specific frequencies within the total frequency. The device is certified and has a scanning range of 1 to 800KHz.

Bio-Resonance for the Identification of Cellular Health Status BIOCOMMUNICATION BASED ON ELECTROMAGNETIC (E.M.) ENERGY

Because of endogenous processes in the electromagnetic field caused by the flow of electrolytes in an organism, all organisms radiate an endogenous (EMF) of shallow frequency, between 0 and 1015 Hz. Protein configurations, lipid configurations, and cell membrane movements all generate low-frequency fields. The enzymatic, metabolic, and luminophore processes all generate highly dependent O₂ radicals. "Biotons" are optical-radiating radiations classified as "endogenous" by Fritz-Albert Popp. Biophotons are used for intracellular and intercellular communication. Typically, biological objects emit photons per centimetre squared per second. The most recent research has been guided by Alexander Gurvich's concept of the morphogenetic field. Gurvich developed the theory of the morphogenetic field to address a variety of biological and psychological phenomena. EMF has been linked to the morphogenetic field, along with Fritz-Albert Popp and Mae-Wan Ho. Each cell within a morphogenetic field reflects its environment; each cell architecture contributes to the overall structure. Recent additions to the morphogenetic field-effect include the biophoton. A biophoton emitting in the ultraviolet or visible light spectrum can be absorbed by another cell, allowing for intercellular communication. Numerous studies on biophotonic cells demonstrate that tissue cells respond to their biophones. The biophoton synchronization of development to light demonstrates its biological significance.

COMPLEX ADAPTATION PROCEDURES: THE EXCHANGE OF INFORMATION BETWEEN A LIVING SYSTEM AND ITS ENVIRONMENT

Frank Brown argued against the notion that circadian rhythms are dependent on exposure to light or tides. Did the mussels open and close their shells at the same rate as oysters in freshwater aquariums that remained on the

Connecticut coast? Finally, the oysters were relocated to a climate-controlled box in Illinois, where they could thrive. Initially, the oysters clammed up but eventually turned ochre. As a result, Rutgers' team designed a scientific experiment in which several hundred males were isolated from light, sound, and temperature. The two groups had comparable values for various parameters, including sleep-wake cycles, body temperature, and urine content, but one room had irregular rhythms. Residents who were shielded became entirely in sync with the Earth's electromagnetic fields, while outside remained rhythmically connected. Weaver introduced various electromagnetic fields into the shielded rooms, none of which affected except for a 10-hertz field of 0.025 V/cm. Bones, the preservation circuitry for the Space Shuttle, was initially developed by Professors Arthur and Manning. These experiments demonstrate the critical role of electromagnetic interactions in information exchange, contributing to organisms' adaptability.

MECHANISMS OF ENDOGENOUS AND EXOGENOUS CONTROL

Electrical membrane potential (EMV) and external electromagnetic fields (EMF) affect metabolic activity. Living things require constant adaptation and readjustment. Any change that exceeds the threshold (i.e. adaptation), regardless of its effect on the system, is classified as a perturbation. In general, illness results from a breakdown in the functional network of the organism. In general, wholeness is maintained through the continuous mass and flow of energy and information. Organisms cannot survive without communication. A treated organism on a broad level above its dynamic hierarchy can reestablish its physiological communication systems and initiate its healing processes. Electrophysiological changes occur at all levels of the functional hierarchy of an organism. As a result, they facilitate the more complex inter-organism communication that occurs due to tissue coupling. The resulting electromagnetic spectrum varies at each level of an organism's hierarchy. It is reasonable to expect that resonances within and between levels will remain similar. Pathological waves can manifest at any level, regardless of their origins. The interferometric patterns of a sick organism serve as a demonstration of illness. Although electromagnetic resonance between endogenous oscillations in organisms has been proposed, it is pretty challenging to achieve. Regardless, the growing number of therapies utilizing such approaches is highlighted in example: has been widely used in European research for the last 15+ years, for example, as a bioceptor device in treating numerous diseases. They make use of naturally occurring electromagnetic resonances. If a variety of positive electromagnetic therapy applications are used, physiological restoration becomes increasingly likely. The objective is to identify fundamental processes (and their associated temporal frequencies) at all organisms' levels.

PATHWAYS OF COMMUNICATION AND RESONANT INTERACTIONS

each of the major chakras on the body (acupuncture points). Becker, Voll, and others were the first to observe a change in skin resistance at designated acupuncture points. Numerous attempts have been made to deduce the ultra-low-frequency (ULF) cellular and subcellular pathways by exposing the studied systems to experimentally generated ELF fields. Electromagnetic fields affect biological systems that can be observed. Specific processes appear to have the length or frequency-dependent parameters that are field-dependent. At the moment, there is no plausible explanation for how EMF could have any effect on biological tissues. We would still like to highlight some general features, such as William Adey's discovery of frequency and power "windowing" in tissue interactions. Additionally, he researches behavioural and neurophysiological responses to low-frequency and radiofrequency fields. The presence of amplitude and frequency "windows" in an object's response to external stimuli must comprehend how biologically sensitive systems can remain impervious to intrinsic fields several orders of magnitude larger. To avoid interfering signals, the complementary functions of inherent and environmental signals (amplitude, phase, and frequency, as well as complex signals) result in a highly sharp focus of the signal from the noise composition on the. According to this, electromagnetic techniques, low-frequency and low-intensity signals are promising for initiating healing processes. These signals are weaker in intensity and non-localized and play a minor role in the organism's non-specific resistance. Resonance is elusive and has the potential to bring down entire buildings. Sympathetic relationships are established when resonant frequencies are used, which means that the motion of one object affects another without any physical connection. Stimulation of the principle mentioned above It appears as though biological objects can resonate with one another. As a result of its non-local nature, it is difficult to determine what causes an object to resonate with another. The argument is made that inter-and intra-cell communication are only possible if the message is free of disruptions or distortions. As much as words are capable of conveying another's ideas, they cannot express human comprehension. These emotions could explain either the friendliness or hostility displayed during the initial meeting. Does this individual strike a chord with you? As demonstrated in Smith's research, the concept of "cancelling out" undesirable frequencies implies that the organism possesses the ability to attune to them. To cancel a signal, both the sender and receiver must be in time. Otherwise, the signal is meaningless to a non-resonant receiver.

FUNCTIONAL ELECTRODYNAMIC TESTING WITH THE CMMI

A physician can determine a patient's electromagnetic state strength using the CMMI. Throughout the procedure, magnetic fields must be at a homeopathic

frequency of 2kHz for 40 milliseconds (not simultaneously, of course). This information is used to estimate the reaction to that substance (i.e., between the two electrodes on the wrists) (an average of the voltage fluctuations). After testing all substances, the program's integrity can be established using the "Statistics" module. This phrase is stated previously. The statistics function quantifies the extent to which a patient can adapt (participate). There are numerous causes for this phenomenon, including but not limited to physical or emotional factors. What previously required the physician to rely on experience and intuition can now be quantified and provided to the patient. The substances to be tested will change regularly. As you are probably aware, providing the exact diagnosis is one of the most fundamental functions of a diagnostic tool.

Moreover, herein lies the rub: because the organism's conditions will never be identical from moment to moment, the device must always diagnose differently. Individual fluctuations are more significant in the nuclear and transportation eras and the era of long-term pollution. Because it is a dynamic measurement system, it detects minimal changes. The physician must specifically refer back to the repeated test. If the test statistic is either too small or too large, the physician may consider stopping the evaluation and recommending ways to normalize the measurement at that point. In any case, all repeat tests must take the patient's general adaptability into account. With the physician's preliminary assessment of the patient and the substance list, statistics serve as the foundation for classifying the most significant substances. Adjusted values between 120 and 140 are referred to as informational values that are not as strong, indicating that the organism is missing or lacking vital information from its environment. Once again, diagnosis requires an understanding of the reaction's dynamics. As a result of the substance's informational nature, this acts as a form of treatment. These initial reactions serve as indicators. It is possible that the patient required only a brief exposure to the information but overreacted to it and the values that appeared instantly. Repeated use of the "adaptation Test" procedure will inform the physician of the amount of information that needs to be transmitted. The patient's reactivity (Reactivity) Score (Rise) and Character are used to determine the patient's responsiveness to a particular substance (Rise). Consider how malleability informs us about potential pathology. Thus, the physician can perform a homeopathic simulacrum in order to ascertain possible or anticipated effects.

CellQuicken Quality of Health Analyzing Kit

Dr Raymond Venter is a scientist who is in charge of the CellQuicken device's sole manufacturer. Raymond invented the CellQuicken device, which cured his father's illness.

CellQuicken is used to target the cell's bioenergy. Using focused ultrasound in this manner, it is possible to

prevent and target the underlying cause of the condition that predisposes some people to the COVID-19 virus.

Additionally, it includes those at risk of cardiac and immune complications as a result of advanced tuberculosis, as well as diabetics.

Numerous studies and research have been conducted on Focused Ultrasound for a variety of health problems.

Focused ultrasound is a novel technique that concentrates acoustic energy on specific anatomical areas to minimise pathology. While allopathic medicine treats various diseases, it has a limited effect on several others, such as cancer.

This remarkable product not only assesses your overall health but also your risk of heart attack and dementia, to name a few. Put on the Kit, collect data for 60 seconds, and see how much you can accomplish in that period!

Only a physician is capable of detecting significant changes within your body. There are a plethora of additional factors to consider when diagnosing health problems.

As this is a new technology, information about it is scarce.

Ultrasound use as a treatment alternative should be closely monitored and questioned. We must continue to rely on ultrasound's established benefits.

Health examination obtains a comprehensive examination of the body's 200 health parameters in a single analysis and identifies immediate and life-threatening health risks.

Once every fourteen days, screening should be performed to assist you in monitoring your progress and fine-tuning your medications. To address your unique health concerns, you develop a customised programme.

REFERENCES

1. Raymond L Venter., Environmental Energy For Cellular Growth And Repair Especially By Bio-Resonance Focused Ultrasound: A Literature Review., Indo Am. J. P. Sci, 2021; 08(04).
2. Raymond L Venter., Role Of Bio-Resonance Focused Ultrasound On Stem Cell Proliferation And Growth: A Review., Indo Am. J. P. Sci, 2021; 08(04).
3. Irene H James., Cellular Destruction From Environmental Energy Exposure Especially By Cell Phones And Mobile Internet., Indo Am. J. P. Sci, 2021; 08(04).
4. Raymond L Venter., Focused Ultrasound Involving The Usage Of Cell Resonance To Understand The Effect And Its Use As A Therapy For Disease Modification., Indo Am. J. P. Sci, 2021; 08(03).
5. Prasad A, Rossi C, Lamponi S, Pospíšil P, Foletti A. New perspective in cell communication: potential role of ultra-weak photon emission. *J Photochem Photobiol B.*, 2014 Oct 5; 139: 47-53. doi:10.1016/j.jphotobiol.2014.03.004. Epub 2014 Mar 15. PMID: 24703082.
6. Alberto F, Mario L, Sara P, Settimio G, Antonella L. Electromagnetic information delivery as a new tool in translational medicine. *Int J Clin Exp Med*, 2014 Sep 15; 7(9): 2550-6. PMID: 25356108; PMCID: PMC4211758.
7. Krouham AO, Martínez MC, Chiver RM. Magnetism in medicine: ONDAMED. A new diagnostic and therapeutic modality. *Anales Medicos*, 2011; 56(2): 91-8.
8. Kempainen LM, Kempainen TT, Reippainen JA, Salmenniemi ST, Vuolanto PH. Use of complementary and alternative medicine in Europe: Health-related and sociodemographic determinants. *Scand J Public Health*, 2018 Jun; 46(4): 448-455. doi:10.1177/1403494817733869. Epub 2017 Oct 4. PMID: 28975853; PMCID: PMC5989251.
9. Kempainen LM, Kempainen TT, Reippainen JA, Salmenniemi ST, Vuolanto PH. Use of complementary and alternative medicine in Europe: Health-related and sociodemographic determinants. *Scand J Public Health*, 2018 Jun; 46(4): 448-455. doi:10.1177/1403494817733869. Epub 2017 Oct 4. PMID: 28975853; PMCID: PMC5989251.
10. Wolański L, Stanisławek A, Kachaniuk H. Znajomość pojęcia i metod medycyny alternatywnej na przykładzie populacji korzystającej z usług jednego z gabinetów biorezonansu [Knowledge of the term and methods of alternative medicine in the example of the patients of one bioresonance practice]. *Pol Merkur Lekarski*. 2007 Dec; 23(138): 430-4. Polish. PMID: 18432126.
11. Norman, R., Dunning-Davies, J., Heredia-Rojas, J. and Foletti, A. (2016) Quantum Information Medicine: Bit as It—The Future Direction of Medical Science: Antimicrobial and Other Potential Nontoxic Treatments. *World Journal of Neuroscience*, 6: 193-207. doi:10.4236/wjns.2016.63024.
12. Capra F. *Wendezeit, Bausteine fur ein neues Weltbild*, 1983.
13. Angrish MM, Allard P, McCullough SD, Druwe IL, Helbling Chadwick L, Hines E, Chorley BN. Epigenetic Applications in Adverse Outcome Pathways and Environmental Risk Evaluation. *Environ Health Perspect*. 2018 Apr 12; 126(4): 045001. doi:10.1289/EHP2322. PMID: 29669403; PMCID: PMC6071815.
14. Montagnier L, Aissa J, Ferris S, Montagnier JL, Lavallée C. Electromagnetic signals are produced by aqueous nanostructures derived from bacterial DNA sequences. *Interdiscip Sci*, 2009 Jun; 1(2): 81-90. doi:10.1007/s12539-009-0036-7. Epub 2009 Mar 4. PMID: 20640822.

15. Mehdipour P, Ed. Ebrahim i M, Sharifov S, Salili M, Chernosova L. An Introduction to Impact of Bio-Resonance Technology in Genetics and Epigenetics. Epigenetics Territory and Cancer, 2015.
16. Begher FJ. Elektroakupunktur nach Voll und Allergie ML-Verlag, 1989.
17. Gurwitsch A. The mitogenetic radiation, 1932.
18. Bassett CA. Beneficial effects of electromagnetic fields. *J Cell Biochem*, 1993 Apr; 51(4): 387-93. doi:10.1002/jcb.2400510402. PMID:8496242.
19. Markov MS. Expanding use of pulsed electromagnetic field therapies. *Electromagn Biol Med*, 2007; 26(3): 257-74. doi:10.1080/15368370701580806. PMID: 17886012.
20. Pihili A, Galle M, Cuhadaroglu C, Kilicaslan Z, Issever H, Erkan F, Cagatay T, Gulbaran Z. Evidence for the efficacy of a bioresonance method in smoking cessation: a pilot study. *Forsch Komplementmed*, 2014; 21(4): 239-45. doi:10.1159/000365742. Epub 2014 Aug 5. PMID: 25231565.
21. Peat F.D. Synchronicity: The Bridge Between Mind and Matter. Bantam Books N.Y., 1987.
22. Recent Advances in Biophoton Research and its Applications (Popp F.-A., Li K.H. and Gu Q. Editors) World Scientific Singapore, 1992.
23. Bischof M: Biophotonen. Das Licht in unseren Zellen. Zweitausendeins Frankfurt-am-Main, 1995.
24. Zhalko-Tytarenko O., Lednyiczky G. (1997) Endogenous Electromagnetic Oscillations in the Consciousness Field Pattern Formation. *World Futures*, (in press)
25. Homöopathie-Bioresonanztherapie (Endler P.C., Schulte J. Editors) Maudrich Wien, München, Bern, 1996.
26. Zhalko-Tytarenko O., Lednyiczky G., Topping S. (1997) A Review of Endogenous Electromagnetic Fields and Potential Links to Life and Healing Processes. *Alternative Therapies*, (in press).
27. Popp F.-A. Biologie des Lichts: Grundlagen der ultraschwachen Zellstrahlung. Verlag Paul Parey Berlin, Hamburg, 1984.
28. Gurvich A: Selected Works. Meditsina Moscow, 1977.
29. Warnke U. Influence of Light on Cellular Respiration in: *Electromagnetic Bio-Information* (F.-A. Popp Editor.) Urban & Schwarzenberg München, 1989; pp.213-220.
30. Ho M.-W., Xu X. Ross S., Saunders P.T. Light Emission and Rescattering in Synchronously Developing Populations of Early Drosophila Embryos-Evidence for Coherence of the Embryonic Field and Long Range Cooperativity in: *Recent Advances in Biophotons Applications* (Popp F.-A., Li K.H. and Gu Q. Editors) World Scientific Singapore, 1992; 287-306.
31. Brown F.A. (1954) Persistent activity rhythms in the oyster. *American Scientist*, 178: 510.
32. Weaver R. (1970) The effect of electric fields on circadian rhythms in men. *Life Sci. Space Res*, 8: 177.
33. Pilla A., Manning M., Personal communication with G. Lednyiczky.
34. Pohl H.A.: Dielectrophoresis: The Behavior of Matter in Non-uniform Electric Fields. Cambridge University Press, 1978.
35. Pohl H.A. Natural oscillating fields of cells in: *Coherent excitations in Biological Systems*. (Frölich H., Kremer F., editors) Springer Verlag Berlin, 1983; 199–210.
36. Pohl H. A. (1983) Natural ac electric fields in and about cells. *Phenomena*, 5: 87–103.
37. Hölzel R., Lamprecht I. (1984) Electromagnetic fields around biological cells. *Neural Network World*, 3: 327–337.
38. Gow N.A.R. (1984) Transhyphal electrical currents in fungi. *J. Gen. Microbiology*, 130: 3313–3318.
39. Gow N.A.R., Kropf D.L., Harold F.M. (1984) Growing hyphae of *Achlya bisexualis* generate a longitudinal pH gradient in the surrounding medium. *J. Gen. Microbiology*, 130: 2967–2974.
40. Pohl H.A. (1981) Natural electrical RF oscillation from cells. *J. Bioenerg. Biomembr*, 13: 149–169.
41. Toko K., Hayashi K., Yamafuji K. (1986) Spatio-temporal organization of electricity in biological growth. *Trans. IECE Japan*, 69: 485–487.
42. Yamaguchi H., Hosokawa K., Soda A., Mizamoto H., Kinouchi Y. (1993) Effects of seven months exposure to a static 0.2 T magnetic field on growth and glycolytic activity of human gingival fibroblasts, *Biochem. Biophys. Acta*, 1156: 302–306.
43. Azadniv M., Miller M.W., Cox C., Valentine F. (1993) On the mechanism of a 60-Hz electric field induced growth reduction of mammalian cells in vitro. *Rad. Environ. Biophys*, 32: 73–83.
44. Goodman R., Henderson A.S. (1988) Exposure of salivary gland cells to low frequency electromagnetic fields alters polypeptide synthesis. *Proc.Natl.Acad.Sci., USA*, 85: 3928–3932.
45. Blank M., Soo L. (1992) Threshold for Inhibition of Na, K-ATPase by ELF Alternating Currents. *Bioelectromagnetics*, 13: 329–333.
46. Blank M., Soo L. (1993) The Na, K-ATPase as a model for electromagnetic field effects on cells. *Bioelectrochem. and Bioenergetics*, 30: 85–92.
47. Blank M., Soo L., Lin H., Henderson A.S., Goodman R. (1992) Changes in transcription in HL-60 cells following exposure to alternating currents from electric fields. *Bioelectrochemistry and Bioenergetics*, 28: 301–309.
48. Blank M., Khorkova O., Goodman R. (1994) Changes in polypeptide distribution stimulated by different levels of electromagnetic and thermal stress. *Bioelectrochemistry and Bioenergetics*, 33: 109–114.

49. Serpersu E.H., Tsong T.Y. (1984) Activation of electrogenic Rb⁺ transport of Na, K-ATPase by an electric field. *J.Biol.Chem*, 259: 7155–7162.
50. Mevissen M., Stamm A., Buntenkötter S., Zwingelberg R., Wahnschaffe U., Löscher W. (1993) Effects of Magnetic Fields on Mammary Tumor Development Induced by 7,12-Dimethylbenz(a)anthracene in Rats. *Bioelectromagnetics*, 14: 131–143.
51. Biological Effects and Dosimetry of Static and ELF Electromagnetic Fields, (Grandolfo M., Michaelson S.M., and Rindi A. editors) Plenum Press New York, London, 1985.
52. Abstract Book of the 17th Annual Meeting of BEMS, Boston, MA, June 18–22, 1995, The Bioelectromagnetics Society, Frederick, MD, 1995.
53. Blank M. (1992) Na, K-ATPase function in alternating electric fields. *FASEB Journal*, 6: 2434–2438.
54. Goodman R., Blank M., Lin H., Dai R., Khorkova O., Soo L., Weisbrot D., Henderson A. (1994) Increased levels of hsp70 transcripts induced when cells are exposed to low frequency electromagnetic fields. *Bioelectrochemistry and Bioenergetics*, 33: 115–120.
55. Popp F.-A. Coherent photon storage in biological systems in: *Electromagnetic Bioinformation* (Popp F.-A. Editor) Urban & Schwarzenberg München-Wien-Baltimore, 1989; 144-167.
56. Ludwig H.W. (1988) Die Debatte um die Magnetfeldtherapie aus der Sicht der Biophysik. *Erfahrungsheilkunde. Acta medica empirica*, 12: 735–739.
57. Schumacher P: *Biophysikalische Therapie der Allergien*, Sonntag Verlag Stuttgart. 1994. Brügemann H: *Bioresonance and Multiresonance Therapy (BRT)*. Haug International Brussels, 1993.
58. Ludwig W: *SIT-System-Informations-Therapie*. Spitta Balingen, 1994. Proceedings of the Annual Meetings of the International Medical Society of BRT and International Therapeutic Society of BRT, RTI Heft I-XVII. (Brügemann Inst, ed.), Lochhamer Schlag 5, 82166, Gräfelfing (Germany).
59. Lehmann H. (1993) Erfolgreiche Behandlung primärer Dysmenorrhoe-fast ohne Therapieversager. *Der Freie Arzt*. No. 4.
60. Schmidt H: *Konstitutionelle Akupunktur*. Hippokrates Stuttgart, 1988.
61. *Acupuncture* (O'Connor J., Bensky D. Editors) Eastland Press Seattle, 1981.
62. Bensoussan A: *The Vital Meridian*. Churchill Livingstone Melbourne, Edinburgh, London, N.Y., 1991.
63. Prkert M., Hempen C.-H: *Systematische Akupunktur*. Urban & Schwarzenberg München, Wien, Baltimore., 1985.
64. Heine H: *Lehrbuch der Biologischen Medizin*. Hippokrates Stuttgart, 1991.
65. Rossmann H: *Organometrie nach Voll*. Haug Heidelberg, 1988.
66. Vill H: *Vom Impuls-zum Decoder-Dermogramm*. Haug Heidelberg, 1982.
67. Langreder W: *Von der Biologischen zur Biophysikalischen Medizin*. Haug Heidelberg, 1991.
68. Becker R. O., Seiden G: *The Body Electric*. Morrow New York, 1985.
69. Bawin S.M., Sheppard A.R., Mahoney M.D., Adey W.R. (1984) Influences of Sinusoidal Electric Fields on Excitability in the Rat Hippocampal Slice. *Brain Research*, 323: 227–237.
70. Adey W. R. (1980) Frequency and Power Windowing in Tissue Interactions with Weak Electromagnetic Fields. *Proceedings of the IEEE*. 63, No. I. 119.
71. Lin-Liu S., Adey W.R. (1982) Low frequency Amplitude Modulated Microwave Fields Change Calcium Efflux Rates From Synaptosomes. *Bioelectromagnetics*, 3: 309–322.
72. Adey W.R. (1981) Tissue interactions with nonionizing electromagnetic fields. *Physiol. Rev*, 61: 435.
73. *Interaction Mechanisms of Low-Level Electromagnetic Fields in Living Systems* (Adey W.R. Editor) Oxford University Press New York, 1992; 47-77.
74. Smith C.W., Best S: *Electromagnetic Man*. J.M. Dent & Sons, Ltd. London, 1990.
75. Pischinger A: *Matrix and Matrix Regulation*. Haug Brussels, 1991.
76. Perger F: *Kompendium der Regulationspathologie und-Therapie*. Sonntag München, 1990.
77. *Normal Matrix and Pathological Conditions* (Heine H., Anastasiadis P. editors) Gustav Fischer Stuttgart, Jena, New York, 1992.
78. Choy R., Monro J.A., Smith C.W. (1987) Electrical Sensitivities in Allergy Patients. *Clinical Ecology*, 4: 93–102.
79. Lednyiczky G. (1993) BICOM In-vitro-Modulation der Sphaeroidformation. *Kolloquium des Internationalen Medizinischen Arbeitskreises BRT (IMA)*. Fulda, 1–3 Oktober, 1993. Brügemann Institut Gauting RTL Heft, 13: pp. 152–154.
80. Lednyiczky G. (1993) BICOM In-vitro-Modulation der Tumorzellen-Entwicklung. *Kolloquium des Internationalen Medizinischen Arbeitskreises BRT (IMA)*, Fulda, 1–3 Oktober, 1993. Brügemann Institut Gauting RTL Heft, 13: 146–150.
81. Lednyiczky G., Osadcha O. (1994) In-vitro-Modulation der Phagozytose durch die Bicom-Technologie. *Acta medica empirica*, 43, 3a, pp. 184–188.
82. Lednyiczky G., Savtsova Z., Sakharov D. (1995) Endogenous Electromagnetic Field Corrects the Immunodeficiency of Chernobyl Mice. *Abst. book of The 17th Annual Meeting of the Bioelectromagnetics Society*, 18–22 June, Boston, Massachusetts, 210.
83. Nosa P.P., Penezina O.P., Brener LP., Lednyiczky G., Tcheshuk V.E., Lakotosh V.P., Serbynenko V.G. (1995) Treatment of Women Suffering from

- Mastopathy Employing Homoeopathic and Bioresonance Methods. Abstr. in: *Forschende Komplementarmedizin*. 2, no. 6, p.335.
84. Lednyiczky G., Waiserman A., Sakharov D., Koshel N. Geschädigte Drosophilalarven und Information von nicht Geschädigten Tieren in: *Homöopathie-Bioresonanztherapie* (Endler P.C., Schulte J. Editors) Maudrich Wien, München, Bern, 1996; 181-188.
85. Zhalko-Tytarenko O., Lednyiczky G. (1994) Bioresonance-induced tunneling in serum albumin. XXV Congress of the Internat. Soc. Hematology. *La Revista de Investigacion Clinica, Suplemento*, Abril, 303.
86. Zhalko-Tytarenko O., Liventsov V., Lednyiczky G. (1996) Endogenous electromagnetic field influence on the free energy of hydrogen bond formation in water. *Proceedings of the Second Annual Advanced Water Sciences Symposium*, 4–6 October, Dallas Texas, part 7: 23-27.
87. Savostyanova A., Zhalko-Tytarenko O., Lednyiczky G. (1996) The influence of the human endogenous electromagnetic oscillations on non-regular chemical oscillations. *Inorganic Chemistry* (in Russian) (submitted).
88. Weil A., Rosen W: *From Chocolate to Morphine*. Houghton Mifflin Co. Boston, N.Y., 1993.
89. *Evolutionary Processes and Metaphors* (Ho M.-W., Fox W. Editors) John Wiley & Sons Chichester, N.Y, Brisbane, Toronto, Singapore., 1988.
90. Ho. M.-W. *Coherent Excitations and the Physical Foundations of Life in: Theoretical Biology: Epigenetic and Evolutionary Order from Complex Systems*. (Goodwin B. and Saunders P. Editors) Edinburgh University Press Edinburgh, 1989; 162–176.
91. *EMF in the Workplace*. U.S. DOE, NIOSH, NIEHS Washington, 1996.
92. Schumann W. (1954) *Über die strahlunglosen Eigenschwingungen einer leitenden Kugel, die von einer Luftschicht und einer Ionosphärenhülle umgeben ist*. *Zeitschrift für Naturforschung*, 149-154.
93. *Biological Effects and Dosimetry of Static and ELF Electromagnetic Fields* (Grandolfo M., Michaelson S.M., Rindi A. Editors) Plenum Press N.Y, London, 1983.
94. Vincent L.-M. (1993) *Theory of Data Transferal. Principles of a New Approach to the Information Concept*. *Acta Biotheoretica*, 41: 139–145.
95. Tamba-Mecz I: *La sémantique*. Presses Universitaires de France Paris. 1988. *Ultra High Dilution: Physiology and Physics* (Endler P.C. and Schulte J. Editors) Kluwer Dordrecht, Boston, London, 1994.