

Considerations about the influence of colloidal solutions on human energy informational field.

Part I: Testing basic method

Medical physics, biophysics and bioengineering

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Abstract—Electro colloidal silver solution (ECS) neutralizes most pathogens and helps neutralize or prevent infections, but it is not a medicine. The solution used in the experiments is a liquid mineral food supplement, legally authorized in Romania, with concentration of 5, 10, 20 and 25 ppm.

Considering that the electromagnetic field of the heart is strong enough to send out a radiation into the field that surrounds us that can be measured by magnetometers.

The increase of the biological field that surrounds every human, measured with bio-locators (the Rudan method) after the ingestion of a small dose of ECS was the phenomenon that triggered this study.

The increase in this field could be proved, without exception, in all the human subjects participating in this study, who agreed to undergo measurements (about 15 subjects). The study was an attempt to demonstrate that colloidal silver is more than a mere antiseptic solution.

Keywords — GDV camera, electro colloidal silver, biofield, chakras.

I. INTRODUCTION

The electromagnetic field of the heart is about 1000 times stronger than the electromagnetic field produced by the brain. It not only penetrates every cell of the body, but is strong enough to send out a radiation into the field that surrounds us that can be measured by magnetometers.

The increase of the biological field that surrounds every living creature, in direct connection with the heart's electromagnetic field, measured with bio-locators (the Rudan method) after the ingestion of a dose of only 10ml/10 ppm (parts per million) of a solution of ionic electro-colloidal silver (IECS) was the phenomenon that triggered this study.

The increase in this field could be proved, without exception, in all the human subjects participating in this study, who attended a *pathogenic risk area detection course*,

by Prof. Rudan, and who agreed to undergo measurements (about 15 subjects).

A single measurement was performed on each subject in the first 30 seconds subsequent to ingestion. The growth of this field ranged between 30 and 100%. It varies from one subject to another, but the average is about 90%.

If we accept the definition of *benefit*¹ postulated by Dumitru Hristenco in his book entitled "Radiestezia" ("Dowsing") [1], colloidal silver is beneficial and it can be a significant aid in the preservation of a good health condition.

The idea of a field that surrounds every living creature is not new and is present in the majority of mankind spiritual systems. These energetic fields, known under the generic name of *biofield*, *bioenergy aura*, are still considered an "unscientific" issue despite having been studied by many researchers, among which Gurvich (1944) [2], who coined the *biological field* or *biofield* term himself.

In Romania research has been made in this direction by DSc Jitariu, Eugen Celan [3], Cornelia Guja [4], [5], I. Mamulas [6], A. Manolea [7], as well as most of the authors of this article. The main ways in which this energy-informational field can be highlighted are imaging methods such as the Kirlian photography [8], electronography, the GDV method [9].

With all these methods images are formed due to the interaction between an external high-voltage high frequency field and the investigated subject.

Silver was first used for medical purposes in Egypt, in the form of foil that was applied to wounds to prevent their infection. It was also used to keep drinking water uncontaminated in the storing vessels.

¹ *Benefit*: something is good (or beneficial) for a particular person if it increases that person's energy fields, and it is bad (or evil) if it causes a decrease in these fields.

In the Middle Ages, Paracelsus used silver extensively for medical purposes. Then, Samuel Hahnemanns, the founding father of homeopathy, did so too. In 1820 he first introduced silver in the form of *Argentum metallicum* in his colloidal trituration as a *useful remedy* in medical therapy.

It was only during the second half of the 19th century that the use of silver in medicine became commonplace, especially after 1881, when the use of a 1% silver nitrate solution almost completely eliminated the cases of gonococcal blindness in newborns (from 10% to 0.2%). Shortly afterwards, the Credé procedure became mandatory in the United States and most European countries.

Doing a summary, we find that before 1880, silver was used empirically. Between 1880 and 1942, it was used scientifically and widely, later to be replaced by antibiotics.

In Romania, in 1960, Professor Fârșirotu [10], a DSc in Pharmacology and lecturer at the Faculty of Pharmacy of "Carol Davila" University made studies on colloidal silver, which he published in the Journal of Pharmacology.

II. ELECTRO COLLOIDAL SILVER (ECS)

The colloidal silver solution used in the experiments is a liquid mineral food supplement legally authorized in Romania with concentration of 5, 10, 20 and 25 ppm. It is very similar to a mineral water with slightly bitter / metallic taste of only two elements: distilled and structured water, and very high purity silver: 99.99%. Submicroscopic silver particles are sized 0.5 to 4.5 nm and they can only be viewed under an TEM microscope that can achieve magnifications of 175,000 x (Figure 1).

It is very important to note that ECS neutralizes most pathogens and helps neutralize or prevent infections [11], [12] [13], [14], but it is not a medicine.

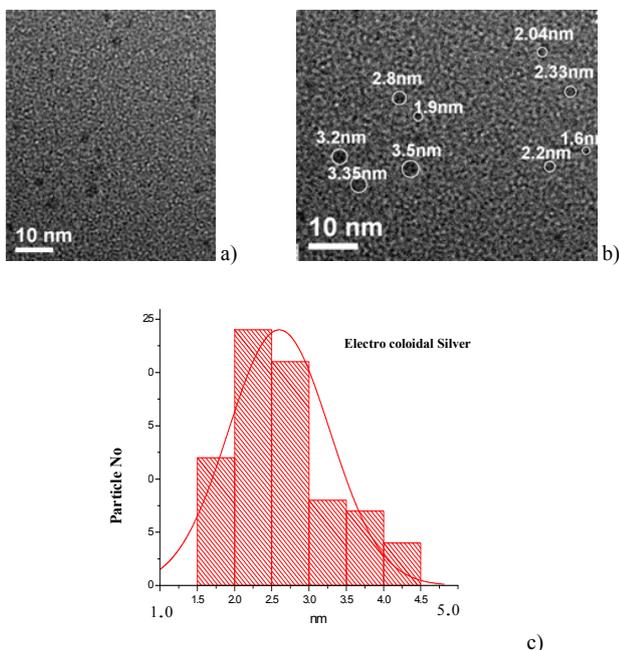


Fig. 1. Image transmission through electron microscopy (TEM) that highlights Ag nano-particles deposited on amorphous carbon film (a); measurements of Ag nano-particle sizes (b); measurement histogram (c)

III. TESTS

The effects of colloids, especially the silver colloid solutions of different concentrations on the living systems have been tested almost exclusively in terms of antibacterial and antifungal properties (154,000 internet references in July 2013). Despite this interest to study the properties of silver and its compounds, no references have been found about studies of the effect of ECS upon the energy system of the human body (the biofield / the energy body).

The benefits of ingesting micro-doses of ECS seem evident: by helping and strengthening the body energetically, we prevent the risk of the physical body getting sick [15] [16], [17]. The main problem in measuring the effects of colloidal silver consists in the difficulty to find measurement instruments and devices the results of which should be accepted in the academic milieu [18].

A. Tests with the electroencephalograph

An encephalograph and a compact GDV camera were used in turns. There were no changes in the graphics obtained with the Encephalograph, before and after ingestion of ECS, which is the reason why research on this method was abandoned. The findings show that under any other medical analysis, the instantaneous stages of the studied sizes are only partially repeatable. You must keep in mind that the human body, just as any biological system, is alive, always in motion, subjected both environmental influences and emotions.

B. Tests with the compact GDV camera

The GDV (Gas Discharge Visualization) – Bio-electrography – is a method that allows obtaining information from biological energy field through nonlinear mathematical analysis of induced fractal images of objects, including biological ones, through their stimulation in high-frequency electric field and amplified by gas discharge. It is a remarkable improvement of the Kirlian method. The device used was the GDV Compact Camera (build-in 1995) with associated software (GDV Bio-energetic aura, GDV Diagram, GDV Chakras) produced by Kirlionics Technologies International Ltd. It is certified as a medical device in Russia, the EU, the USA and 20 other countries.

Through Repeated tests performed on thousands of subjects, Prof. Korotkov demonstrate that the intensity, character and structure of luminescence depends on the initial state of the subject, on the level of the subject's life processes, functional status of certain organs and tissues, as well as the specific pathological processes in case of illness [9], [15].

The GDV principle is illustrated in Fig. 2

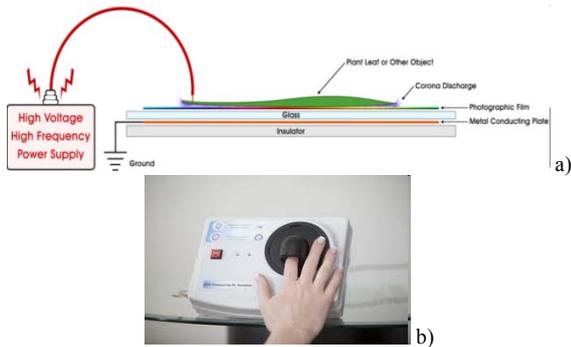


Fig. 2. Basic diagram (a) [8] GDV Camera (b).

The method consists in the successive exposure of the 10 fingertips in a precise sequence on the screen of the device. A high-frequency electromagnetic field is applied to the fingertips for approximately 40 ms, gas discharge occurs and the parameters of this discharge are recorded under the form of a picture.

One of the most important parameters that can be measured with the GDV Camera, if not the most important, is *the anxiety or stress parameter (T)* that relies on the assumption that the difference between the mental and the physical field is anxiety. This hypothesis was confirmed by psychological tests (POMS – Profile of Mood States).

The values of T usually range between 0.30 and 07.37. Thus, 0 – 2 represents a low stress level, a calm, well-balanced mood (which might be a low energy functional level of the body, a person under the influence of sedatives etc.) that can be noticed in chi-quong masters or experienced yoga meditators, 2 – 4 is a normal level, 4 – 6 is an increased level, 6 – 8 is a high level, whereas 8 – 10 is real trouble (open), fatigue. The fluorescent area (fractality, entropy) in one of the sectors gives the area average for other sectors that can also serve as parameters.

IV. CORRELATIONS

After prolonged clinical experiments conducted using the Kirlian photography method, Dr. Peter Mandel managed to define areas of the finger images that corresponded to different organs of the body. Acupuncture points and meridians, the reflex areas studied by reflexology, auriculotherapy and iridology support the concept according to which the body's energy system is of holographic nature. These correlations between different finger areas and the location of different body parts and segments were used by Dr. Korotkov to conceive the GDV camera software that allow reconstruct the distribution of the field surrounding the human body, as well as the position, the size and asymmetry of the chakras². (Chakras – a Sanskrit word that means *wheel* or *circle*. Chakra is a philosophical concept that refers to

² The Romanian researcher A. Manolea proposes the term " quantum vortex " instead of "chakras".

wheel-like vortices that, according to traditional Indian medicine, are believed to exist in the human body).

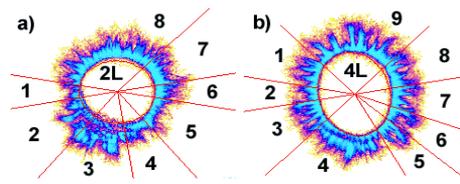


Fig. 3. Correlations between different organs and fingers areas [9]

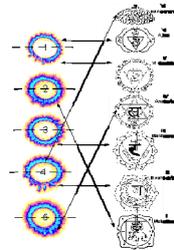


Fig. 4. Correspondence between the chakras and finger 1 (thumb) – high, 2 – index, 3 – middle, 4 – ring, 5 – little [9]

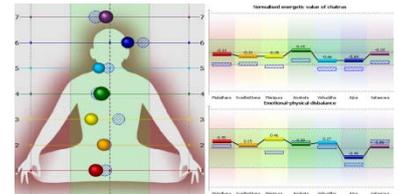


Fig. 5. Normalized energy value - average value of entire surface of EPC/GDV of the right and left hand - picture of the finger sector corresponding to the specific chakra (top right box) [9]

The calculation of the GDV Chakra is based on the idea of the connection between the chakras and that part of the finger where appropriate systems of the human body are designed, as shown in the image above:

- Muladhara [19] chakra-root of the index – sacral and coccygeal plexus;
- Svahishthana chakra–root of the ring finger – sacral plexus; urogenital system;
- Manipura chakra–root of the middle finger – solar plexus; digestive system;
- Anahata chakra–root of the little finger – cardiac plexus; blood circulatory system;
- Vishuddhi chakra–root of thumb - superior, middle, and interior cervical ganglia; respiratory system;
- Ajna chakra–tip of the thumb - brows (third eye), interbrain, the autonomous nervous system and the hormone system;
- Sahasrara chakra–tip of the ring finger crown - cerebral cortex, entire nervous system; organs and tissues of the body

Bio-energy field measured by the GDV method shows the distribution model of the photon around the body. The field of a healthy active person is dense, uniform, with small changes of colour from blue to orange and yellow. Colour mixing, holes and bursts are indicators of a disorderly energy field distribution. They indicate the level of mental, functional and organic disorder. The right projection characterizes the logical cerebral hemisphere, whereas the left one characterises the intuitive hemisphere.

Left hand diagram can be associated with the mental and physical condition diagram with the right hand.

The stress level is based on the comparison of the measurement results while using a polymer filter (physical condition) and without using a filter (mental state).

By studying stress index, we can estimate the character of the individual's interaction with the environment. Any psycho-emotional tension that causes these activations can be interpreted as stress.

V. CONCLUSIONS

Through the GDV method it is intended to validate the following empiric observations/ conclusions:

1) ECS ingestion produces a rapid modification in parameters.

2) The second initial empiric hypothesis show that ECS effect decreases in time, and GDV's parameters will reflect that.

3) The ESC effect beyond people practicing meditation is different from ordinary folk.

4) The methods for measuring the size and intensity of the energetic-informational field can be manually performed (by hand or biolocators) and depend on the quality and the status of the observer. They are non-recurrent, easily challenged and not suitable for current research.

5) Among the modern methods for measure the ergo-informational field (electronography, Kirlian photography and GDV camera, the chosen one was the GDV Camera due to its acknowledgement as a medical research device over 20 countries, including USA.

REFERENCES

- [1] Hristenco, Dumitru – “Radiestezia”, Ed Teora, 2007
- [2] Gurvich A.G – „The theory of a biological field” Sovyetskaya Nauka, Moscow, 1944
- [3] Celan, Eugen – “Biocâmp și Bioradiații”, Ed Teora, 1994
- [4] Guja, Cornelia, – “Aura Corpului Uman. Introducere în antropologia individului”, Ed. Polirom, Iași, 2000
- [5] Guja, Cornelia, – “Aurele corpurilor . Interfete cu cosmosula”, Ed. Enciclopedica, Bucuresti, 1993
- [6] Mamulas, I- <http://ro.scribd.com/doc/125410900/Despre-Aurele-Corpurilor>
- [7] Manolea, A – „Aura energetica”, Ed Aldomar, Bucuresti, 2002
- [8] http://en.wikipedia.org/wiki/Kirlian_photography
- [9] Korotkov, Konstantin, PhD, – “ Human Energy Fields. Study with GDV Bioelectronography”, 2002
- [10] Fârîroțu Z., Dr. Varcovici H., Rosetti M., - ”Cercetări privitoare la acțiunea sterilizantă a ionilor de argint – (efect oligodinamic)”, Farmacia, Ed.Medicală, București, mart.-apr. 1960, p.133-143
- [11] Beck, Robert C. – ”Blood Electrification. A Proven Cure – All?” – Jan 12, 1997; - ”A few unique plus traditional uses for silver colloid” – Feb 28, 1997
- [12] Becker R.O. (M.D.) – ”The Effect of Electrically Generated Silver Ions on Human Cells”– Proceedings of the First international Conference on Gold and Silver in Medicine, Silver Institute, Washington, 1989
- [13] Foran S.M. – ”Therapeutic Properties of Silver – An Historical and Technical Review” – Qanta, ian. 2009
- [14] Man C. Fung (MD), Debra L. Bowen (M.D.) – ”Silver Products for Medical Indications: Risk-Benefit Assessment” – cercetare realizată de: Center of Drug Evaluation and Research, Food and Drug Administration, Rockville, Maryland, Clinical Toxicology, 34 (1), 119-126 (1996)
- [15] Korotkov, Constantin, Jakovleva , Ecaterina – “Electrophotonic Analysis in medicine”, 2013
- [16] Gerber, Richard, M.D. – ”Medicină Vibrațională”, Ed Elit, 2005
- [17] Trandafir Traian, Gheorghiu Mihaela – “Introducere în medicina vibrațională”, Ed Dao Psi, București, 2013
- [18] Mohâră, Ionel, PhD – “Psihologia Sonoluminică”, Ed Ars Docendi, 2011
- [19] Motoyama, Hiroshi – “ Teorii despre Sistemul Chakrelor”, Ed Excalibur, București, 2009