

## Investigation of the effectiveness of information copies of chemical elements during multilevel systemic adaptive diagnostics and therapy

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### Introduction

"Every cobblestone on the pavement contains all the elements of the Periodic Table." Walter and Ida Noddack.

It is known that the overwhelming amount of all naturally occurring chemical elements are found in the human body (81 elements). Twelve of them are structural, because they make up 99% of the elemental composition of the human body (C, O, H, N, Ca, Mg, Na, K, S, P, F, Cl). The main building materials are four elements: nitrogen, hydrogen, oxygen and carbon. The rest of the elements, being in the body in insignificant amounts by volume, ensuring the normal vital activity of the body, regulate more than 50,000 biochemical processes. Minerals together with water ensure the constancy of osmotic pressure, acid-base balance, processes of absorption, secretion, hematopoiesis, bone formation, blood coagulation; without them, the functions of muscle contraction, nerve conduction, intracellular respiration would be impossible,

They are assigned a huge role in the prevention and treatment of various diseases by therapists, clinical pharmacologists [9], nutritionists [9, 10], homeopaths [8], oncologists [11], etc. most diseases are associated with a deficiency, excess, or imbalance of macro- and microelements in the human body at various levels [11].

The purpose of this study is to assess the effectiveness and possible impact of the information copy chemical element in patients.

### Study design

The study included 15 patients: men and women aged 19 to 64 years (average age -  $37.8 \pm 14.48$ ) with various nosological forms. The

research took place in several stages:

1. Vegetative resonance testing with the determination of the key (weak) organ according to the author's method IRADT, the selection of an effective chemical element that compensates for the key organ, its potency and dosage, and the preparation of an information preparation.

2. Taking the initial image of all the patient's fingers using the gas-discharge imaging method (GDV).

3. Carrying out a patient examination using the AMP apparatus (non-invasive blood analyzer):

a) five sensors are placed on the patient at biologically active points and an initial study is carried out;

b) without removing the sensors, the patient is given an informational preparation;

c) 10 minutes after taking the information product, the study for AMP is repeated for

evaluating the effectiveness of the drug.

Evaluation of the direction and effectiveness of the drug using a bioelectrographic study (GDV).

### Materials and research methods

To assess the effectiveness of the information copy of a chemical element in patients, non-invasive methods were used, such as: gas-discharge imaging (GDV) and a non-invasive blood analyzer (AMP). The methods are safe, painless, informative, do not depend on the desire and experience of the operator, non-invasive, visual and reproducible, simple and convenient to use (there are no special requirements for the room, environmental conditions). They allow evaluating the influence of weak, subthreshold factors, monitoring the complex effect of various types of therapy. In this case, the reaction of the organism as a single system is revealed and the state of individual organs and functional systems of a person is assessed [1, 2, 5, 6, 7].

Gas discharge visualization (GDV), or bioelectrography, or kirlianography is a computer registration and analysis of images of the glow of a gas discharge induced by the electron-optical emission of an object, including a biological one, placed in a high-intensity electromagnetic field [3, 5]. The gas-discharge image was recorded using the GDVCamera software package (developed under the guidance of Prof. KG Korotkov, ITMO TU, St. Petersburg), which makes it possible to obtain moving images of the gas discharge glow (GDV-grams) on the computer screen and memorize them in the form of files [3, 5]. The device has passed clinical trials and is certified by the Federal Service for Surveillance in Healthcare and Social Development as a device for medical technology dated April 28, 2005, No. FS 022a2005 / 1633-05.

Computer processing of the obtained images was carried out using the programs "GDV Diagram"

(developer of "Kirlionics GDV International"), designed for graphical presentation of complex GDV parameters and monitoring the state of the main organs and systems of a person based on data obtained from ten human fingers, and "GDV Qualification", intended for assessing the psychophysiological status and level of functional energy state of the organism, "GDV Scientific Laboratory", which allows for multivariate processing and statistical comparison of samples of static or dynamic GDV-grams. For statistical processing of the data obtained, the sign and Wilcoxon test was used.

Non-invasive determination of biochemical and hemodynamic parameters of blood was carried out using a device for screening assessment of blood parameters by the method of multilocal bio-thermometry of blood "AMP" (BioPromin, Ukraine), the processing of the results was carried out by a specialized program [7]. The analyzer allows you to obtain 125 parameters of the human body's vital functions without taking blood for 180-720 seconds. (Certificate of state registration, SES of Ukraine, No. 59952007, Ukraine, 26.01.2007, Certificate of conformity for AMP v2009, UkrSEPRO, No. UA1.030.0040549-11, Ukraine, 04.04.2011.0), AMP received certificates of conformity and are registered in Ukraine, Russia, Egypt, China, the European Union.

IRADT was performed using the equipment of the company "IMEDIS": apparatus "MINI-EXPERT-DT", apparatus "IMEDIS-BRT-PC" (set 2, module "Medication SELECTOR"), as well as apparatus "Golden Section", which is the author's development "MCIT" Artemis "[4].

### Research results and discussion

When analyzing GDV-grams in the "GDV Scientific Laboratory" software, statistically significant differences were found in all patients.

According to the data of the "GDV Qualification" programs, before MRADT, in 100% of patients maladjustment states and prenosological changes were revealed, sports-important qualities were present in 58%. 72% had a low integral coefficient, 93% had an energy deficit and a high functional-energy balance, 82.4% had a high level of stress and instability of autonomic regulation. After receiving an information copy of a chemical element (Table 1), an activating effect on the psychophysiological state of patients was noted: the integral coefficient, functional-energy index increased; the energy deficit and the symmetry of the energy deficit have decreased. In 92.7% of patients, the symptoms of the maladaptive state disappeared and psychophysical qualities characteristic of the activation reaction appeared (activity, purposefulness, self-confidence,

Table 1

Change in the functional and energy state of the subjects  
against the background of an information copy of a chemical element

	Integral coefficient	Functional energetic index	Functional energetic balance	Energy deficit	Symmetry energy deficit
A1	83.2 ± 17.84	6.28 ± 9.37	9.8 ± 0.21	92.58 ± 1.94	83.20 ± 10.24
a2	109.1 ± 13.28	31.24 ± 11.52	6.2 ± 0.83	51.81 ± 4.84	42.56 ± 12.36

1 - primary examination by the GDV method; 2 - examination of subjects by the GDV method after receiving an information copy of a chemical element.

According to the data of the non-invasive analyzer AMP, the program "GDVDiagram", the individual organotropy of the information copy of the chemical element was revealed, which depended on the initial state of the test subject, the key weak organ and the individually selected chemical element.

#### Example

Patient N., 64 years old. According to the GDVDiagram program, a high activation coefficient and a low integral area were noted. The most significant changes were observed in the meridians of the liver, urinary bladder, kidneys and endocrine; during ART, the thyroid gland turned out to be the key organ. According to the data of the non-invasive AMP analyzer, a lower limit of the level of tyrosine T4, hyperglycemia, a reduced complex factor of regulation of cell mitosis, an increased level of bilirubin, a high expendable power of life support, and accelerated ESR were noted. Revealed hypoacid gastritis, violation of the water-electrolyte composition. According to the "GDV Qualification" program, initially there was a low functional-energy index, a high indicator of energy deficiency and energy deficiency symmetry, the presence of symptoms of maladjustment state (energy deficiency,

After receiving an information copy of the chemical element radium, aimed at the key organ (Table 2), according to the programs "GDVDiagram", "GDV Qualification", an activating effect on the psychophysiological state of the patient was noted: the functional-energy index and the integral coefficient increased, the functional-energy balance, energy deficiency and symmetry of energy deficiency, symptoms of the maladaptive state disappeared and psychophysical qualities characteristic of the activation reaction (activity,

purposefulness, self-confidence), the activation coefficient and integral area were normalized. According to AMP, there was an increase in the level of tyrosine T4, normalization of glucose and ESR, a decrease in the level of bilirubin (total, direct and indirect), and a slight increase in the complex factor of regulation of cell mitosis. The identified violations of the water-electrolyte composition and hypoacid gastritis remained.

table 2

Change in the psychophysiological status of patient N., 64 years old while receiving an information copy of a chemical element

No.	AC	PF	SR	ST	RG	IN	DR	AA	DT	II	TH	SL	VD	ED	NC
1						+	+	+	+	+	+			+	
2	+	+	+	+	+										

1 - primary examination by the GDV method; 2 - examination of the patient by the GDV method of an after taking information copy of a chemical element.

Sportingly important qualities: AC - activity, PF - purposefulness, SR - self-confidence, ST - stress resistance, RG - mental self-regulation.

Pre-nosological qualities: IN - introspection, DR - insoluble dreams, AA - unmotivated anxiety, DT - decreased performance, II - irascibility.

Disadaptive states: TH - anxiety-hypochondriacal states, SL - striving for loneliness, VD - autonomic dysfunction, ED - energy deficiency states, NC - the need for examination.

Conclusions:

1. An information copy of a chemical element, individually selected for the patient, provides statistically significant effect, improves the energy state and reduces the maladaptive state of patients and normalizes biochemical and hemodynamic parameters.

2. Multilevel systemic adaptive diagnostics and therapy is an effective method of diagnostics and treatment, which is confirmed by statistically significant differences using the gas-discharge imaging method, as well as biochemical and hemodynamic parameters of AMP and the "GDVDiagram" program.

3. There is a correlation between the definition of a weak (key) body according to the author's methodology of IRADT and GDV grams.

4. Bioelectrography and non-invasive blood analyzer AMP can be used as objective and reliable methods for assessing the results of bioresonance therapy.

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