



Bio-Well<sup>®</sup>

**Bio-Well Educational System**

**Web-based Portal**

**Ver. 07-2019**

## Web-based educational portal for Bio-Well Users who have passed Basic level training

**System helps Bio-Well Users to refresh the contents of the Basic level course.**

It embraces 3 main chapters: Bio-Well Foundations, Practice of working with the Bio-Well, and Concepts of integrative approach to a human being.

### I. Bio-Well Foundations

#### **1. What is the essence of the EPI/GDV technology and Bio-Well? What we are measuring with the Bio-Well?**

Gas Discharge Visualization or Electro-Photonic Imaging technology is the automated version of the Kirlian photography, phenomena known since 1777. It is a new era of Kirlian photography or bioelectrography developed in 1995 by a group of Russian scientists led by Dr. Korotkov. Bio-Well GDV Camera is the most recent and profound device based on EPI/GDV, developed by the group of Bio-Well companies.

Bio-Well utilizes a weak, completely painless electrical current applied to the fingertips (or other conductive object) for one tenth of a second. The object's response to this stimulus is the formation of an electronic emission. The electrons emission stimulates gas (or air) discharge (or glow) that is captured by the in-built video camera. Digital image of the glow is then transmitted to the computer for further processing by the Bio-Well software and analysis by the Bio-Well Specialist.

Number of emitted electrons is dependent on the state of the energy flows in the fingertip. Energy flows are related to the blood and lymph circulation, activity of the sweat glands, nerves and any other signals transmitted by the human body. More electrons are emitted – more light will be formed around the finger. Higher is the energy of the emitted electrons – higher will be the intensity of the photographed glow.

Bio-Well software makes an assessment of the amount of light formed by the gas (or air) discharge that was stimulated by the electron avalanche and also the structure of the light. Amount of light is giving an estimate of Energy for the object under study, whilst structure of light gives an estimate of Stress.

So Bio-Well device's main application is an express assessment of the Energy and Stress for a given person by computerized processing of the air discharge glow formed by the stimulated emission from the fingertips of this person.

#### **2. Main advantages of the Bio-Well**

There are several technologies available on the market that allow the specialist to assess the energetic and stress state of the human body as a whole, plus its organs and systems. Bio-Well has significant advantages in comparison with all other such technologies.

Main advantage is that Bio-Well provides a comprehensible visual raw data – photograph of the actual glow around the fingertip. It can be easily assessed not only by the operator, but also by the client. Raw visual data is much more objective than any processed data. It drastically increases the trust index of the client to the conclusions of the Bio-Well specialist. Of course Bio-Well provides the specialist with various parameters derived from the processing of the obtained digital image of the glow.

Also Bio-Well is very fast. It needs less than 5 seconds for integral assessment of the overall Energy and Stress levels of a person, and around 1 minute for the Full scan that allows to calculate all the parameters: integral and specific for organs and systems.

Bio-Well is very stable. Taken into consideration the fact that it uses two very unstable by their nature phenomena – air and electrons, Bio-Well has only 1-2% variability of the measured parameters.

Bio-Well provides big amount of information about energetic state of a person that was tested within more than 20 years by doctors and researchers worldwide. Most of these results were published in various per-reviewed journals all

over the world. You can find wide database of articles on the official website of the Bio-Well company.

### **3. How information gets from an organ to a specific point on the finger?**

Bio-Well analysis of the energetic state of organs and systems for the human organism was initially based on the acupuncture points concept. This concept states that on the human body there are specific points that are somehow connected with the organs and systems in the human body.

Modern science has no strict understanding of how does the information get from an organ to a specific acupuncture point (in example on the fingertip). There are various concepts: based on oriental medicine or on the most modern scientific research. Some concepts state that there are special energy channels or energy meridians that transfer information all over the body, and acupuncture points are the terminals of these channels. Other concepts state that this function is fulfilled by the connective tissue that goes through the whole body.

Even though we are not aware of how the information is getting to the acupuncture points on the fingertips – we can still read it and use it. The fact that this information is available and it is valid has been proven by clinical research and scientific studies in various countries all over the world since 1995. You can find wide database of articles on the official website of the Bio-Well company.

### **4. Where we can find scientific papers proving the validity of EPI/GDV technology?**

Scientific studies on EPI/GDV were carried out for more than 20 years in a vast number of countries all over the world. Scientific research results were published in per-reviewed journals in different fields: psychology, medicine, alternative or integrative medicine, sports, consciousness studies and others. Tens of PhDs were made based on EPI/GDV technology.

Bio-Well company is trying to accumulate maximum possible amount of such scientific papers and PhD thesis. Not all of the researchers are informing us about their studies.

On the official website of the Bio-Well company you can find the links to the main books on EPI/GDV technology, including those with literature reviews, and big database of scientific papers on various languages. You can search the database by author, by language or by the field of study.

If you conduct a study with the use of Bio-Well you are welcome to share your publications with us and we will add them to our global database. We can add a complete article or a link to the website of the journal where paper was published.

### **5. 4 reasons of capturing fingertips**

According to the acupuncture points concept we have energy channels that are connecting organs and systems in the human body with specific terminal points on the surface of the skin. These points are positioned all over the body, but in some places their concentration is higher: hands, feet, ears and face. Bio-Well is made to fulfill the scans of the fingertips due to several reasons that make them a unique source of information besides the fact that they have big number of acupuncture points.

Fingertips are also the easiest part of the body to access and operate in any culture. We wash our hands more frequently than any other part of the body and it is very simple to do so.

Fingertips have the highest density of the blood vessels that make them a very informative part of the body.

Also they have the highest density of sweat glands: as any stress reaction will lead to secretion of sweat – fingertips are the first ones to show this reaction.

Unique combination of all these 4 factors in one spot makes human fingertips the most informative and convenient place for energy and stress assessment.

### **6. Can we make diagnostics with the Bio-Well?**

Modern medicine is mostly based on structural analysis of the human body: doctors analyze blood, saliva and urine, make X-ray, CT, ultrasound and MRI scans, etc. Also it utilizes functional analysis: measurement of blood pressure, heart rate variability, breath analysis, etc.

Bio-Well is analyzing the energy flows in the organism – it is closer to functional analysis. It can show you where it

is enough of energy, where it is too much and where it is not enough. Assessing the energy doesn't make it possible to make a medical diagnostics. Let's take an example.

Bio-Well scan can show hyper-energy state of the kidney. It can be caused by: stones in the kidney, viral or bacterial or fungi infection, cysts, neo-formations, autoimmune disorders, injury or something else. The list is pretty vast, but looking at the Bio-Well scan it is not possible to detect which one of the listed causes is really taking place.

So Bio-Well is not a diagnostic tool and is not able to make a conclusion or recommendation itself. Only medical doctor using Bio-Well can create medical conclusions and make diagnosis. So Bio-Well can facilitate this process by providing additional information about the stress and energy state of the whole body, as well as of particular organs and systems.

## 7. What is the difference between Energy Field, Biofield and Aura?

Let's start from the definitions...

Word "Aura" has no scientific definition, but in various oriental approaches it is treated as some kind of field surrounding the human body and that constantly walks with it. As long as Bio-Well is extracting electrons from the fingertips by applying electric impulses – the photographed glow is a stimulated one that doesn't constantly walk with the body. Stimulated emission can not be called "Aura" under any conditions. So it is not correct to use word "Aura" when speaking about Bio-Well EPI/GDV technology.

Word "Biofield" has a strict definition and it is closely related to "Energy field" term. Biofield is a sum of all the fields created by any biological object. For example, human body has: electro-magnetic, magnetic, electro-static, radioactive, acoustic and chemical (all the emitted from the surface of the skin chemical particles) fields. In fact, all of these fields are somehow transferring energy, so any of them can be called "Energy field".

Technically speaking, extracted flow of electrons from the fingertips can be treated as an energy field of a human body. Bio-Well software uses only this term and has a specific subprogram with this name.

"Energy field" subprogram shows three projections of the glow with figures of a human body inside of it. It is made just for the convenience of the operator – to represent most of the sectors from different fingers around the body silhouette. In reality, Bio-Well is assessing only the stimulated glow around the fingertips. Also there are no sectors on the fingertips related to legs and arms.

## II. Practice of working with the Bio-Well

### 1. 4C principle

Whenever you use Bio-Well you should remember this principle as it is crucial for the obtaining of high quality images. If you want to get proper results please follow these simple rules:

a. Clean the glass electrode whenever you do anything on Bio-Well.

Any photography, Kirlian as well, needs clean optics. Video camera is positioned under the surface of the glass electrode in Bio-Well GDV Camera, so it is very important to keep the glass surface clean: during calibration and scanning of fingertips.

Use the alcohol or special wipes (can be bought in any pharmacy store) to clean the glass electrode. We do not recommend to use TV screen cleaners or any other cleaner of such type – they have surface active components that leave thin film on the surface of the glass. This film will affect the process of gas discharge propagation and alter the readings. After cleaning with alcohol it is recommended to wipe with dry paper napkin (specially in very humid environments).

b. Calibrate the device each time the environmental conditions change or at least once a day.

Before you make a scan of fingertips you need to adjust the settings of the Bio-Well hardware and software to the current environmental conditions. As long as Bio-Well is not directly photographing the extracted flow of electrons, but makes it indirectly through the gas or air discharge – obtained images are highly dependent on the chemical and physical properties of air in which scans are made. That is why it is so important to tune the Bio-Well system to the state of the air. Presence of various electro-magnetic devices and networks in the proximity of the Bio-Well can also affect the reading, so please remember to recalibrate the Bio-Well device each time you move to a new location.

c. Correctly position the fingertips on the glass electrode.

Incorrect positioning can lead to inadequate results. Presence of finger nails on the image will significantly alter the calculated parameters of the sectors situated at the top of the fingers. Too high pressure will lead to the blockage of the energy flows in the fingertip, i.e. blood flow. Please refer to the chapter “Rules of capturing” fingers (page 20) of the Bio-Well manual for a more detailed information.

d. Clean the image from the external noise and reflections.

Bio-Well software has in-built function of checking the correctness and evenness of fingers positioning. It tries to help the Bio-Well User to evade most of the mistakes that can be done, but it is not able to define if the light spots around the glow of the finger are related to the finger or they are from the external light sources (sunlight or light from a lamp). That is why it is responsibility of an operator to define if these light spots are from the finger or not, and delete/erase any pixels (clusters of more than 30 adjacent pixels) manually. It can be easily done during the scanning process by clicking on the top right corner pencil icon. Image will be opened in a separate pop-up window in a grey scale (raw format). By clicking and holding the left button of the mouse you can erase the noise that is not related to the glow from the fingertip. Click “Save” when you have finished cleaning. Undo and Redo functions are available.

Please make sure that you have cleaned all the images in the scan before clicking “Analyze” button. Once scan is sent to the Bio-Well server you can no longer delete the noise.

Following these simple rules – 4Cs – you can be sure that quality of any scan will be high and results that you obtain will be reproducible.

## **2. What are the main parameters in the Bio-Well software and what is the difference between them?**

One of the main advantages of the Bio-Well is the raw data – actual image of the glow. As any grey-scale digital image, Bio-Well image has simple parameters describing the photographed light. Amount of light gives you Area parameter – number of pixels of the captured glow. Brightness of these pixels are giving you Intensity from 0 (absolutely black pixel) to 255 (absolutely white pixel). Based on Intensity of every pixel program is able to calculate the Average intensity parameter.

Area times Average intensity times special correction coefficient (correspondent to the sensitivity of the video camera) gives us Energy parameter.

Several subprograms in the Bio-Well software are based on the Energy parameter. They are: Energy diagram, Balance and Organs energy. Only one is based on the Area parameter – Area diagram.

Structure of light is assessed by the use of a very sophisticated algorithm that gives a Bio-Well user an estimate of the Stress level. More chaotic is the light – higher is the Stress.

## **3. How Energy parameter relates to the energy of the human body?**

Energy parameter is derived from the Area and Intensity parameters of the glow, which are directly connected with the amount of light emitted by the air during gas discharge. Amount of the emitted light is dependent on the number of electrons emitted by the finger. Number and energy of electrons emitted by the fingertip via acupuncture points are directly connected with the inner energy reserves of the human body by the means of energy channels.

So inner energy of the human body is connected with the energy of the photographed glow by the Bio-Well.

## **4. Why do we need calibration and how often we have to redo it?**

Before you make a scan of fingertips you need to adjust the settings of the Bio-Well hardware and software to the current environmental conditions. As long as Bio-Well is not directly photographing the extracted flow of electrons, but makes it indirectly through the gas or air discharge – obtained images are highly dependent on the chemical and physical properties of air in which scans are made. That is why it is so important to tune the Bio-Well system to the state of the air. Presence of various electro-magnetic devices and networks in the proximity of the Bio-Well device can also affect the reading, so please remember to recalibrate the Bio-Well device each time you move to a new location or at least once a day.

Due to calibration Bio-Well software is able to normalize the calculated values and use specific correction coefficients. This makes possible to compare the scans made on different devices under different conditions.

Cleaning the glass electrode before making the calibration is a mandatory process. Whenever you see abnormal values of Energy (when it is too high or too low) – redo the calibration once again.

## 5. What are the Chakras and what information we can derive from Chakras?

Chakras program is a stand-alone program in the Bio-Well software. It doesn't use the sectors that you can see on the Fingers tab. It has its own partition into sectors of the fingers glow. This partition was developed by Ayurvedic doctors specially for the EPI/GDV application. According to Ayurveda chakras are energy centers in the human body that have direct connection with the psycho-emotional state and mindset of a person.

Chakras imply the psycho-somatic approach – phenomena of interconnection of the mindset and psycho-emotional state of a person with the actual energetic processes in different parts of the body. Each energy center or charka is connected with energetic state of some organs in a specific part of the body.

There are two types of interpretations in-built in the Bio-Well software. As long as there are many interpretations of Chakras we have included the generalized explanation – you can read it by clicking on any Chakra in the software (pop-up window with definitions will appear). Bio-Well software calculates two parameters for each Chakra – Energy and Alignment. Energy is connected with the properties of glow in the corresponding sectors on the fingers. Alignment parameter is calculated based on dominance of Energy parameter for left or right hands. Interpretation of such dominances is given in automatically generated report in the Bio-Well software.

In order to make correct interpretation of the Chakras imbalance you need to comprehend a simple rule: we run from the problems subconsciously and we concentrate on them consciously. Use this approach while analyzing Chakras. We tend to run away and hide from the problems in our lives. So usually (subconsciously) our chakras are deviating away from the problem, not towards them. One example: if you tend to stay at work till the midnight, just not to go home – it means that you have problems at home that you are trying to evade and hide from.

## 6. What information we can see on Area Diagram?

Area Diagram is one of the oldest programs in the EPI/GDV software. It was created before Bio-Well has appeared and was fine tuned with the development of Bio-Well. It is based on the Area parameter of the glow. Before Bio-Well has appeared Area Diagram has been the only program that was calibrated and normalized.

It is based on comparison of the Area values of equal sectors on calibration cylinder and finger. This ratio is shown on the Area Diagram. Area Diagram is unitless as it is based on ratio. Ratio can vary from -3.0 to +3.0. If the glow Area of the sector on the finger is close to the Area of the glow of the same sized sector from the calibration cylinder – then the ratio will be in the green zone of the diagram. Equal Areas will give the middle of the green zone that is equal to 0.3 ratio. Green zone width is different for different age groups. Please read the manual for more details.

## 7. What is the difference between Area Diagram and Energy Diagram?

Area Diagram is based on the ratio of Area values of equally sized sectors on the finger and calibration cylinder, so it is unitless. Energy Diagram is based on the actual Energy parameter value of the sector, so it is represented in Joules \*10<sup>-2</sup> (cantiJoules).

There is a feature on the Energy Diagram to overlay the Area Diagram on it. You have to click "Show Area Diagram" button in the top right corner. Once you click it you will see Area Diagram (orange color). Technically speaking gap between Area diagram on the Energy Diagram doesn't have any sense, as you can't compare unitless value with value measured in Joules. But this feature can be used for relative approach: you can assess what is the average gap between Area and Energy diagrams for both hands, and afterwards search for the sectors that are having significant difference from this average width. It can be too high difference or too low (or even negative) difference. Such deviation from the average is connected with the Intensity input. Bio-Well specialist should pay attention to the most outstanding sectors.

## 8. What information we can derive from the Balance tab?

Balance tab is representing the same information as Energy Diagram and Organs energy, but in different layout – bar chart. It is showing values of the Energy parameter for those organs and systems, which sectors are present on both hands. Depending on the highest bar the Y-axis (representing Energy parameter) is scaled up or down to fit in all the bars.



Background of the Balance chart is colored according to the norms of the Energy parameter. If the difference between the left and right bars for some organ or system is higher than 20% - they will be highlighted.

There are three main conclusions that you can derive from the Balance chart:

- a. Notice the most imbalanced organs or systems. Bigger is the gap between the left and right bars – higher is the imbalance.
- b. Notice the organ or system with the lowest values of Energy, even if it is not highlighted.
- c. Notice the organ or system with the highest values of Energy, even if it is not highlighted.

## **9. What is the meaning of Biorhythms?**

Biorhythms are not connected with the EPI/GDV technology and Bio-Well in particular, it is a separate program.

According to the theory of biorhythms, a person's life is influenced by rhythmic biological cycles that affect person's ability in various domains, such as mental, physical and emotional activity. These cycles begin at birth and oscillate in a steady (sinusoidal wave) fashion throughout life. Biorhythm model uses three cycles: a 23-day physical cycle, a 28-day emotional cycle, and a 33-day intellectual cycle. The numbers from +100% (maximum) to -100% (minimum) indicate where on each cycle the rhythms are on a particular day.

One should pay special attention to the dates when two or three biorhythms are below zero. Using special interface in the Bio-Well software user can calculate all three biorhythms for the next months within a year.

## **10. Repeat measurements and monitor the state to get reliable conclusions.**

Human being is a dynamic system, it is constantly changing while adapting to the internal processes and external influences. This constant adaptation is directly related to the general health state. High adaptation reserves describe a healthy person.

Conducting only one scan on Bio-Well is not enough to understand the average state of the person and also to assess the adaptation reserves. You need to have at least 2 measurements to see the trend of the dynamic energetic processes in the human body. To make the conclusions even more informative Bio-Well Specialist can ask the client to make some physical exercises in between the 2 measurements: changes in the energetic state will demonstrate the adaptation capabilities of the organism.

As long as human organism is a dynamic system Bio-Well specialist have to monitor the energetic state in order to make more reliable conclusions. According to the statistical analysis rules, in order to compare some person with the general norms you should repeat the measurement minimum 2 times. In order to compare two groups between each other, or two states/conditions of one person between each other – you should repeat the measurements minimum 4 times.

## **11. Order of analysis: from general to details**

Whenever you analyze the energetic state of a person start from the general/integral Bio-Well parameters and then go deeper into details. Interpretation of details is dependent on the general state.

Once you click on the Full scan result in the database the first screen that you see is "Energy Field", but it is recommended to start the interpretation from the "Analysis" tab as it contains most integral parameters: Stress, Energy, Balance and Organs Disbalance. After analyzing the integral or general state you can move tab by tab: Area Diagram, Energy Diagram, Balance, Organs Energy, Energy Field and Yin-Yang (if you have knowledge about energy meridians), finishing with the Chakras tab. Interpretation of the tabs following "Analysis" is dependent on the integral state: if a person is completely exhausted there is no sense even in continuing interpretation; or if person has heightened energy then other tabs should be observed through the prism of this knowledge. In some spheres of application Bio-Well User can go to Analysis first and then move to the Chakras tab for psychological analysis.

## **12. Different modes of capturing fingers: Full scan, Stress test and One finger scan.**

Fastest mode of operation is "Stress test" – by capturing only two fingers you can get Stress, Energy and Balance assessment. These are the main integral parameters in the Bio-Well software. Balance calculation is not so precise as in Full scan as it is based only on 2 fingers. This mode is used when client and Bio-Well specialist have no time for the full

procedure of analysis, and in cases when you are interested only in the integral state analysis (in example during studies of integral influence of some phenomena or substance).

“Full scan” mode is the most profound regime of scanning – it analyzes all 10 fingers and calculates all the possible parameters. In this mode you can take a look not only on the integral parameters for the whole body, but also dive into details for organs and systems. You can export all the calculated parameters in CSV format file for further statistical analysis. If you want to analyze all the aspects of the human being – use this regime. Once you make at least 2 Full scans for one person you can detect the most problematic sectors (for example top 3 problems) and look on which fingers they are situated. Then you can scan these fingers separately in a special mode called “One finger”.

“One finger” mode is specially made for studying the reproducibility of the observed patterns. You can take around 10 scans and see if the observed problem stays or it disappears. It helps to understand if it is a temporary energetic Disbalance or more established and acute. One finger mode can also be used for the studies of various influences on the human energetic state, in example there is a protocol for studying the influence of the mobile phones with the use of this mode.

### **13. Offline mode of operation: when and how to use?**

Scans can be made without Internet connection. Data will be saved on the computer and processed when the Internet connection becomes available. In Offline Mode it is necessary to add a Name, Date of birth (or date of the experiment in case of making “Environment” Scan) and Gender (not needed for “Environment” Scans) and select the mode of the Scan (pic. 84). Please note that during Offline measurements there is no Internet connection to the Bio-Well Server, so no processing of the obtained data is possible, calibration is not possible too. This will lead to several nuances:

1. During “Full Scan”, “Stress Test” and “One Finger” Scans blue line (top of the finger) will not appear, so you have to be much more precise in positioning of fingers while doing these Scans in Offline mode. Software is not making any automatic check-up and doesn’t highlight the incorrectly captured images. Please follow the rules of correct capturing of fingers as it is described in the Bio-Well manual on page 20.

2. During “Environment” experiments you will not see any plots in real time on the screen and it will stay blank, as all the processing of images takes place on the Bio-Well Server.

Offline Scans are saved on the computer’s drive. When you log in next time being online an “Upload” button will appear; click it to send the data to the Bio-Well Server for processing.

## **III. Concepts of integrative approach to a human being**

### **1. 6 stages of illness**

One of the most ancient medical systems in the world is Ayurveda. It has an in-depth understanding of how the human organism functions. One of the principles in Ayurveda is connected with the process of illness development: it interconnects the mind, energetic flows in the organism and actual somatic illnesses.

According to this principle the core and the initial cause of development of any illness is lying in the wrong mindset. Mindset is referred as the set of inner rules and laws according to which person lives. Mindset is the 1<sup>st</sup> level. Errors in the mindset lead to the incorrect interaction with the world – our lifestyle, the way we treat ourselves, other people and the world; it is the 2<sup>nd</sup> level. Incorrect lifestyle leads to imbalanced energy flows in one or another organ or system; it is 3<sup>rd</sup> level. Imbalanced energy flows (or metabolic imbalances) lead to accumulation of residuals or toxins (4<sup>th</sup> level), which create symptoms (5<sup>th</sup> level). If a person doesn’t pay attention to the presence of the symptoms they will develop into an acute illness (6<sup>th</sup> level) that will need a doctor’s intervention.

Long story short, mindset is responsible for the way we live, express emotions and interact with the world, that can create imbalances in the energetic flows, which will lead to toxins accumulation and expression/manifestation of symptoms and actual illness at the end.

This system gives a systematic view on the human being, integrating the mind, psychology, lifestyle, energy flows and physical body. Bio-Well system utilizes the same approach to the health and allows to analyze all 6 levels of illness development: levels 1 and 2 can be analyzed in the Chakras program, and levels from 3 to 6 can be assessed in all other subprograms in the Bio-Well software.





## **2. 3 levels: Physical + Psycho-emotional + Mental**

Bio-Well proposes two ways of capturing fingertips: without and with the use of special plastic filter that should be placed on the surface of the glass electrode. This filter allows to decrease the influence of the fat and sweat on the fingertips.

Captures without filter are representing the sum of mental, psycho-emotional and physical levels all together. Captures with filter are mainly representing the physical level. Filters can be used in two cases: when a person is too exhausted and stressed so it is not possible to have a uniform glow, but you still need to analyze the energetic state of the client; when you want to demonstrate the potential state to a client and to show the difference between the current state without filter and with filter. Explanation is very simple: when you are relaxed and not tired, nothing bothers you much, your captures without filter and with filter will look the same.

Actually mental and psycho-emotional levels are not separate. Interaction of mental level with the physical level creates the psycho-emotional response. Any processing of information on the mental level: conscious and subconscious, will initiate correlating chemical and physical processes in the body – that is usually called “psycho-emotional state”. Bio-Well allows Users to assess all these aspects.

## **3. Structure is always following the function**

It may seem that functional level is somehow disconnected from the structural level. Many specialists say that you may have a problem on the psycho-emotional level, but it doesn't mean that you have an actual problem on the physiological level. It is not true. If you take into consideration the Ayurvedic principle of 6 levels of illness development you will understand that all these levels are interconnected. Simply sometimes the structural changes are on such a subtle level, in example on the atomic or molecular level, that it is impossible to detect them with the currently available technologies for structural analysis. For example it is almost impossible to assess the concentration of potassium in some specific organ (we know that potassium is responsible for the intercellular communication), but we can assess its functional or energetic state.

Inference from the 6 levels is that structure always follows the function or energy flow: if you stop using the hand it will atrophy. Consider this approach whenever you make analysis of the Bio-Well scans.