





INSTRUCTIONS ON WORKING WITH
THE SOFTWARE for THE SET OF HARDWARE
and SORFTWARE GALVANOPUNCTURE
DIAGNOSTICS OF BODY'S FUNCTIONAL STATE
"ROFES" Professional



Contents

1. Working with the "ROFES" software	3
1. Working with the NOLES Software	4
2. Diagnostics of a patient	7
2.1. Device normalization	7
2.2. Peculiarities of the Su Jok method	8
3. A patient's electronic health passport	9
4. Visiting list of the "ROFES-diagnostics"	10
5. Analyses of the measurement results	12
Levels of a patient's diagnostics data analysis	
5.1. Level I. Integral characteristics of adaptability	13
5.2. Level II. Differential diagnostics. Introduction.	14
5.2.1. Automatic Expert System	16
5.2.2. Algorithm of analyses in display form "Expert System"	16
5.2.3. Differentiated analyses of the meridional carcass on the three-D model of a patient	21
5.2.4. the three-D model of a patient	21
5.2.5 Specialized Expert-Referential analyses	22
5.3. Regime "FINDING MEDICAL DRUGS"	23
5.3.1. The algorithm of remedies selection	25
5.3.2. Particular features of remedies selection	26
5.3.3. The principle of testing the patient with the help of nosodes	27
5.3.4. Electronic selector of infectious agents testing	27
5.3.5. Color assessment of the test results	28
5.3.6. "Groups" Variant	29
5.3.7. Transfer of information about the infectious agents	31
5.3.8. Diagnostics results specification by additional BAP measurements	32
6. Bioresonance characteristics transfer from homeopathic and allopathic carriers	32
7. Information block for acupuncturists (reflexotherapists) in the "ROFES professional" program.	33
7.1. Color scale of meridians' condition	33

7.2. Automatic calculation of a patient's meridional system condition "by quadrants"	34
7.3. Algorithms of meridional system reflexotherapy	35
7.4. The meridian system energy supply diagrams	35
7.5. Calculation and displaying of the "basic elements scales" 3-D model	36
7.6. Automatic calculation of acupuncturist rules	37
8. Electronic card of a patient	39
9. Correction of stress states. Diagnostic and correction methods with biological feedback	40
9.1. Variant 1. Diagnostics and Correction in mode "Patient's functional frequency"	40
9.2. Variant 2. Diagnostics and correction according to Algorithm 2	43
9.2.1 The "Color therapy" mode. Combination with the diagnostics and correction mode.	51
9.2.2. Mechanisms of therapeutic influence in the process of BAP electrostimulation	46
9.2.3. Adding new frequency chains to the "Frequency generator"	47
9.3. Variant 3. Diagnostics and correction by the point of "correspondence" to pain syndrome	48
9.4. Variant 4. Formulation of reflexotherapy (electropuncture therapy) in accordance with the complex of symptoms and diseases of the patient.	he 48
10. Mode "Treatment frequencies transfer to homoeopathic and ferromagnetic sources according to nosologies and symptom complexes"	50
11. Disease prophylaxis by structured water	52
12. COLOR THERAPY mode.	53
12.1 The "Addressed color therapy" mode	53
13. Efficiency evaluation of rehabilitation procedures	54
13.1 Differentiated dynamics of the rehabilitation procedures process	55
13.2 Adaptation potential dynamics	56
14. Method of express diagnostics and correction of stress states	57
15. Method of VERTEBROLOGY	58
16. Bio field diagnostics (aura-diagnostics). The construction of spatially oriented matrix for huma organism structures.	an 59
17. Compatibility testing according to the energy portraits of meridional system	61

Introduction

Pre-starting procedure

"ROFES" software installation

Supplementary sheet for software of Version 3.21...

Dear user!

You should take the following actions:

- 1. Insert a flash-card or a CD into a computer;
- 2. Copy folder "ROFES 3.21" from the flash-card or the CD to the desktop;
- 3. Open folder "ROFES 3.21", find file Rofes_3.21.exe, you may create shortcut "ROFES 3.20" and place it on the desktop;
- 4. Open bookmark "Compatibility" in "Properties" of file ROFES 3.21.exe and click (V) "Run as administrator";
- 5. Join the measurement unit with the PC with an interface cable;

ATTENTION!!!

The installation of the drivers for the "ROFES" measurement unit is performed automatically at the first program run.

If for some reasons the installation has not been performed, please, follow the actions, described below.

OS Windows informs you that a new device has been found and its installation is started.

At the installation, choose "Install from the disc" and indicate path to

CD:\ ROFES 3.20....\Driver

Notice;

OS Windows7 will not inform you that a new device has been found and will not run the installation wizard;

A line with a yellow triangular and an exclamation mark in the list of devices in the "Devices manager".

Rofes will be reflected

8.3. Click the word Rofes twice, a software panel with the properties of this device will be opened. Click the "Update" button in the "Drivers" bookmark.

Standard installation actions should be taken further.

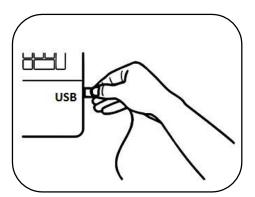
8.4. In the process of installation, choose "Search for drivers on this PC" and indicate the path to the "Drivers" folder.

When the installation has been completed, OS Windows will inform you that "The new device has been installed successfully and is ready for work".

·
.
.

•

1. Working with the "ROFES" software



Before the program run and testing, connect the "ROFES" device to the computer through the USB port, connect the measurement sensor to the device using the " $3X\Pi$ " ("ECC" – electrochemical conductivity) socket.

Fig.1

The pre-starting procedure is shown in the video "Preparation of the sensor for work" in the flash-card or installation disc.



Fig. 2 Preparation of the "ЭΧΠ - ECS" sensor for work

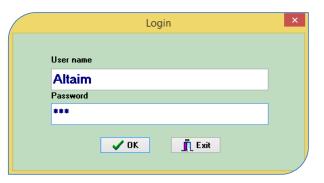


The "ROFES" device software. "Altaim" Ural research and production enterprise

"Login" and "Password" will be opened.

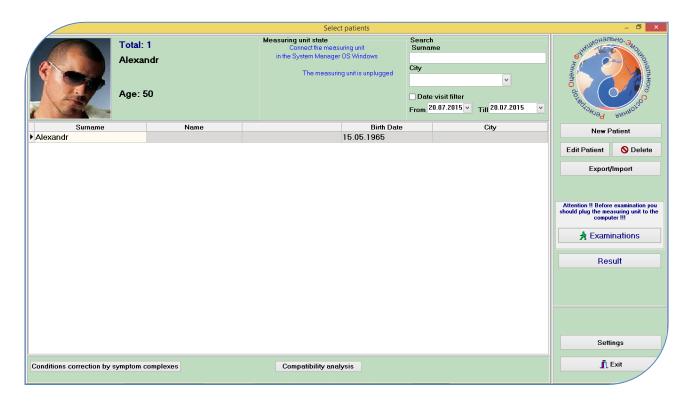
The login and the password are the same for all users: login "Altaim" and password "123".

Fig 3. Access authorization form (login and password entry)



The "Select patients" form for the entry of information about a patient will be seen.

Fig. 4



To enter this information, press the New Patient button.

Click the fields in the opening form and enter the information into them.

The following fields must be filled in:

- Surname, first name (patronymic)
- Date of birth
- Sex

To change the contact information, pres the Change button.

To delete the information about the patient, press the Delete button.

After the basic information has been entered, press the Examinations button.

The frequency normalization process is started, which is the necessary instrumental procedure for the measurement of the electromagnetic characteristics of the environment. After the frequency normalization has been completed, the "Selection of mode" form will be opened.

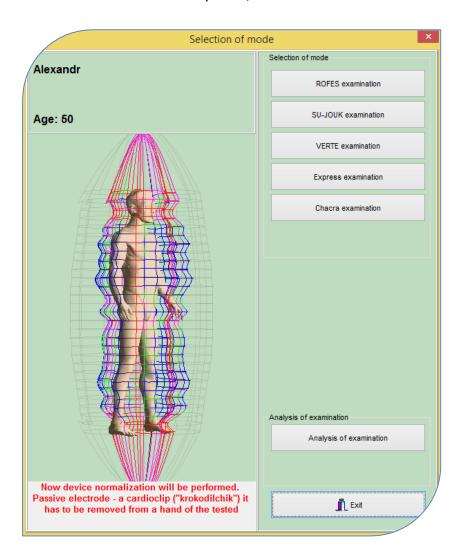


Fig. 5. Display form "Selection of mode"

Press the button of the needed diagnostic method in the "Selection of mode" display form. The "Examination..." form will be opened (Fig. 6).

2. Diagnostic of a patient

"ROFES examination (corporeal)"

Other methods of diagnostic

("Su Jok examination", "Verte examination", "Express examination") will be analogous, the diagnosed points will be different..

Press the button on the "ЭΧΠ-ECC" sensor or the <u>Examination</u> button on the display (Fig. 6) and follow the instructions shown on the display. For the detailed description of the topology of diagnosed points, see the Methodological recommendations.

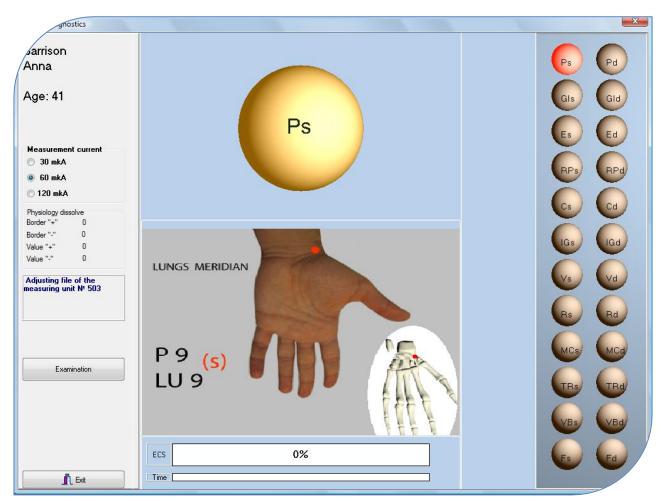


Fig. 6 Form "ROFES examination – corporeal method"

2.1. Device normalization

- 1. (The pre-starting procedure for the new design sensor is shown in the video "Preparation of the sensor for work" in the installation CD or in the flash-card). The edges of a cotton pad may be seen a little bit (1-2 mm), the cotton pad should be profusely wetted with normal saline by way of being put in a cup, otherwise, the risk of short circuit preserves.
- 2. Cut a bandage into several pieces or take ready cotton pads (half of a cotton pad). Take a piece of the bandage, fold it so that it has 4 layers, wet it with physiological solution, squeeze it a little bit so that the solution is not dropping from the piece of a bandage;
- 3. Put the wetted piece of a bandage on the muscle of the left hand thumb or on the wrist and press it with a passive electrode ("a clamp"). The bandage should be in contact with the metal plate inside

- the passive electrode and 0,5 inch (1 cm) of its edges should be seen (see the photo). It can be placed on the forearm (for example for children and women with thin forearms) but not closer than 4 inches (10 cm) to the wrist joint.
- 4. Wet the ECS sensor head profusely and connect it through to the wetted bandage, pressed with the clamp on the left wrist. Press the sensor button and leave it. Wait until the process of the device normalization is finished. Fig.8



Before taking measurement put a piece of medical bandage moistened in the physiological solution on the patient's hand and press it with the "crocodile" from the side of metal plate on it.



If you have properly followed all previous instructions, you will see a display form reading "The normalization has been successfully completed!".

2.2. Peculiarities of the Su Jok method:

Preparation for testing

- 1. To run a Su Jok diagnostics with the new design sensor, replace a corporeal cap with a Su Jok one.
- 2. It is obligatory to cut the bandage into pieces or to take ready cotton pads;

- 3. Take a piece of the bandage, moisten it in the physical solution and <u>cleanse the forefinger and the long</u> <u>finger on both hands from the inside and outside</u>;
- 4. Put this piece of the bandage on the left thumb or wrist and press with the passive electrode "crocodile" (Fig. 8). The bandage must touch the metal plate inside the passive electrode and also 1sm of the bandage should remain outside. After that, normalize the device, by pressing the wider side of the "ЭХП" sensor's head to the protruding piece of the bandage.
- 5. After the process of normalization is finished, measure the patient's points by the sensor's thinner end.
 - **2.3.** Apply the sensor's active electrode to the examined point, switch the sensor's button on and off. The process of measurement is shown on the screen:
 - Red line is proportional to the value of the positive current's parameter measured.
 - **Blue line** is proportional to the value of the negative current's parameter measured.

The end of point measurement is marked by a short sound.

When the meridian measurement (its left – s and right – d branches) is over the sphere corresponding to this meridian becomes GREY. The spheres of meridians not measured have the light-gray colour. In case of any mistake made during the meridian measurement you can go back to the meridian by clicking the sphere with its name on the screen. You can change the previous result by new measurement after you press the sensor's button. The end of all points measurement is marked by a music signal.

The measurements of electrochemical conductivity of different polarities in the point are conducted automatically, that is why you should apply the sensor to the point and hold it until the meridian indicators (red and blue colour) switch over.

After the diagnostic process has been completed, you will go to the "Selection of mode" form (Fig.5).

To analyze the results of the diagnostic, correct the state of a patient, choose and test medical drugs, find out parasitic diseases, carry out color therapy etc., press button Analysis of examination (see Fig. 5)

3. An electronic health passport is opened

The electronic health passport of the patient contains the display windows of all diagnostic and correction methods, and preserves an opportunity for monitoring all the values (display form "Evaluation of examination").

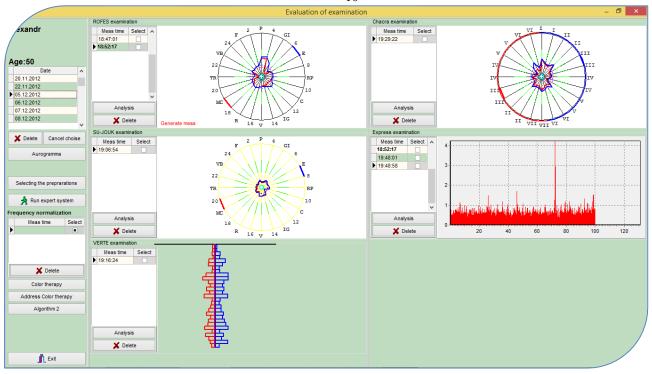


Fig.9. Display form "Evaluation of examination"

Press the Analysis button of that measurement type, which was used for the diagnostic, a diagram or a graph is also shown there (in our case it is a corporeal method – "ROFES examination"). A switch from the "Health passport" to the display form with all diagnostic results will be performed. Or you can click the testing time in table "Testing time" in window "ROFES examination" twice.

The screen form "Consultation" opens.

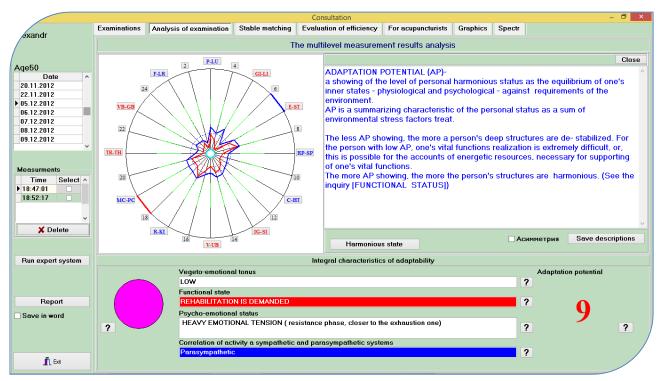


Fig.10

4. Visiting list of the "ROFES-diagnostics"

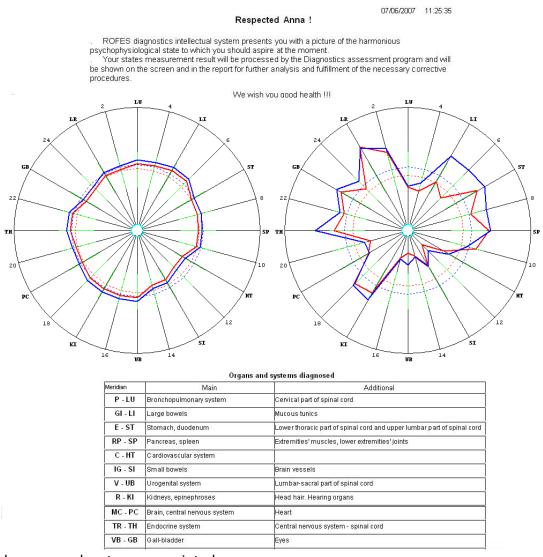
(the list of diagnosed organs and systems)

The mode is designed to get a first-referral patient acquainted with the general principles of the "ROFES-diagnostics" method. It is launched by pressing the "Harmonious state" key in the "Consultation" form view (Figure 5). The inquirer is launched, on its finishing there is a form view with two charts:

- A chart of harmonic condition compiled according to sex, age and answers on the questions (the left chart);
- A patient's chart according to the results of diagnostics (the right chart);

An expert shows the patient that in an ideal condition the chart should be harmonic – the left one. On the right there is a chart of the patient's real condition, according to its results the program will carry out the diagnostics analysis and offer algorithms of correction and treatment.

The expert presses the "Print" key. Two diagrams and a table of meridians correspondence to



diagnosed organs and systems are printed.

Fig. 11.

The expert may comment upon the printed table and attach it to the printed reports obtained during the appointment.

5. Analyses of the measurement results

Attention!

The "ROFES" method of diagnostic is based on the multilevel analyses of results:

Level I. (see clause 5.1.)

General mechanisms of adaption to the environment influencing factors at the present moment are defined and estimated (value of adaptive resources). They are a combination of both values of functioning of the physiological structures of a person, as a living biological system, and of the functions, generated by this person, i.e. mental health functioning.

"Integral characteristics" refer to these values (for more details see the Methodological recommendations).

Level II. (see clause 5.2.)

Differential diagnostic of organs' and systems' functionality, as well of psychoemotional states. Cross analyses of one measurement.

Level II is divided into several regimes of analyses of the obtained data (subsections):

1. **Expert System automated analyses** of obtained data, concerning the conductivity of the representative points of meridians (electroskin conductivity) and the **analyses of frequency characteristics** of measured meridians (Spectrum analyses).

To start the analyses, press button Run expert system (ES); see clause 5.2.

2. **Specialized Expert-Referential analyses** of clinical and psychological characteristics, concerning the meridional system state.

To start the analyses, press buttons $\boxed{P-LU}$ around the diagram etc; clause.5.2), or "Specialized analyses" subtab in Expert System automated analyses.

Starting with version 3.20.2 it is performed in the Expert System, tab "Specialized analyses".

3. Specialized analyses of symptoms of clinical conditions in accordance with the testing results of pharmacological drugs, risks of parasitic diseases, biological supplements etc.

To start the analyses, press button Selecting the preparation. See clause 5.3.

5.1. Analyses level I

Integral characteristics of adaption (adjustability).

The ROFES diagnostic provides a number of integral values, which make it possible to estimate the adaptive reactions of various hierarchic levels of daily living arrangement.

They include:

Scale of the vegetative-emotional tonus.

Functional state of a person.

This scale reflects the combination of the medical-clinical state of the organism and its psychoemotional condition. It means that the "homeostasis" ("the power of steadiness" G.Selye "Stress without distress"), or the dynamic balance of a living organism under the environment changes, is evaluated.

The scale consists of five values of the functional state, obtained as a result of the mathematical formalized analyses of data, with the limits obtained from scale **Adaptation Potential (from 0 to 100%).**

Adaptive potential

The scale which characterizes in figures the level of energetic resources, which provide the processes of physiological and psychic adaptive reactions. It allows evaluating whether a human being, as a living biological system, is able to perform its live functions (the functions are decreased, normal or increased).

Psychoemotional state.

This scale reflects the psychological component of the adaptive processes (strain, balance, weakness).

Proportion of the sympathetic – parasympathetic systems activity.

This scale reflects the state of the autonomic nervous system.

The combination of the integral values reflects the level of the harmonious state of a person, as the balance of its internal (physiological and psychic) conditions, in relation to the factors of the environment.

Several integral values of the functional state are given in "Analysis of examinataion" bookmark under the circular diagram (Fig. 10). To get more information, press button ? (to the right from the value).

To print, press button Report.

It is provided that the report is saved as a Word file, if it is installed on the PC. To do this, click line "Save as Word" and put sign v, and press button Report after that.

Note:

If the prepared report is on the screen the control of its printing is passed to printer drivers. If the report printing does not start this indicates the printer drivers failure or that the drivers are not designed to work with the software written on the "DELPHI" programming language (the "ROFES" software is written on this language). This occurs with the latest printer models that have recently come into the market. It is because the manufacturers first write drivers for work with Microsoft WORD and then adapt them to other programming languages. To fix the problem one should download the latest printer driver from the website of its manufacturer.

5.2. Analyses level II

Differential diagnostic of functional states of organs and systems, as well as psychoemotional states Introduction:

Automated frequency (spectral) characteristics analysis of the measured meridians (Spectral analysis)

Meridional system spectral analysis is based on the spectrum analysis of the measured BAP frequency characteristics as a result of provocative current influence. The analysis is conducted with the use of mathematical methods, i.e. measured BAP's signal (oscillation) expansion in Furye series and further formalized analysis of characteristics obtained.

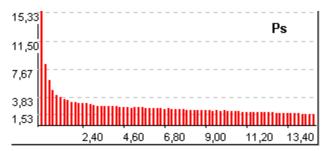
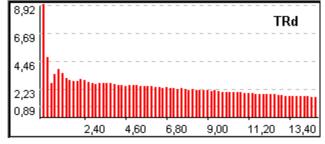


Figure 12.

In the figure 12 the frequency spectrum of lungs meridian BAP is shown. Every column (harmonic) in the diagram represents a certain frequency which is a part of point's oscillation signal generating as a result of assessing current provocation (assessed point's signal oscillation can be seen in the process of assessment on the indicator which reflects this process). Along the axis of abscissae (horizontal axis) there are frequency's rates (in this case low frequencies from 0.2 up to 14 hertz) represented. Along the ordinate axis (vertical axis) the rates of these freqiencies' energetic manifestation (column's height) are represented.

For normally functioning living object or system the reaction on current provocation, i.e., normal adaptation to current, must look on the spectral diagram as gradual decrease in columns (harmonics) from the beginning of the diagram up to its end (from 0 up to 100 on the axis of abscissae), i.e., fading process. This decrease looks like a kind of exponential curve if all the peaks of columns (harmonics) are connected by single line. Each successive column is lower than the previous one from left to right at a certain rate, i.e., negative increase ($-\Delta$ - Delta).





Frequency spectrum's change is peculiar to the oscillating signal of the point that characterises different abnormalities in organs for which this meridian is responsible.

In the diagram there can appear some "peaks", i.e., the rule of columns' gradual decrease (exponential rule) will be broken. Any harmonic that characterizes energetic manifestation of a certain frequency will have the rate higher than the previous oscillation, i.e., positive increase ($+\Delta$ - Delta). In the

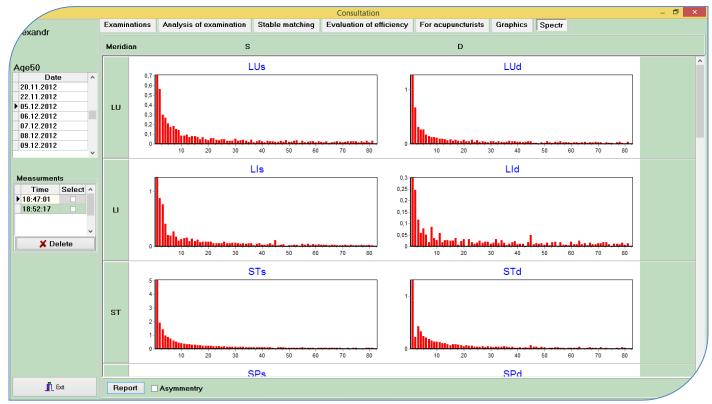


Figure 13, we can see a clear tendency of exponential rule's breaking in the beginning of the diagram.

Fig. 14.

You can view the frequency spectrum in the menu "Expert-analysis of assessment" by clicking "Spectrum" bookmark.

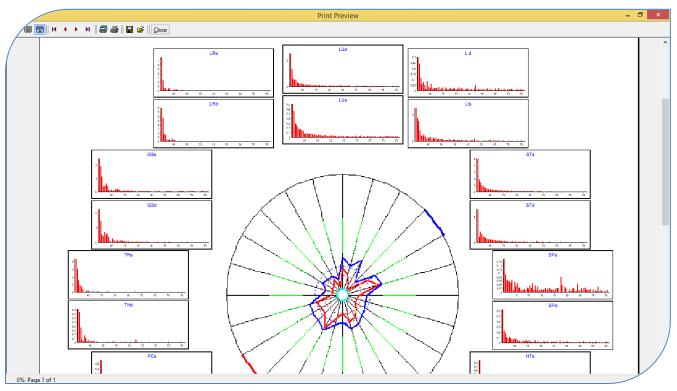


Fig.15.

To print, press button Report

5.2.1. Automatic expert system. Expert System automated analyses of measurement results.

(Operator level of results analyses)

It is based on the formalized analyses of practical expert values given by doctors and psychologists, which are provided in the software.

To select the measurement, click in the table, column "Select" opposite the time of the measurement.

To run the Expert System, press Run expert system (Fig. 10). Display form "Expert system" will be opened.

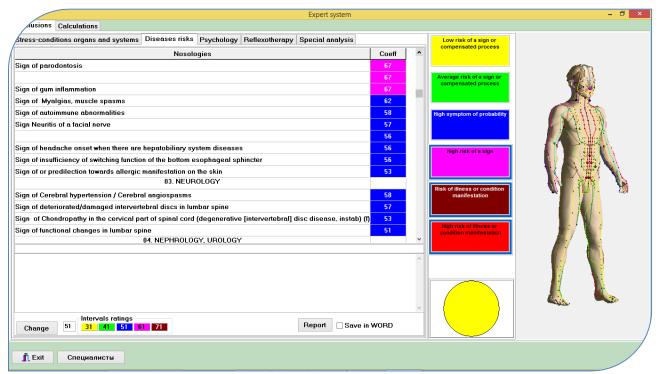


Fig. 16

5.2.2. Algorithm of analyses in display form "Expert System":

a. Firstly. "Traffic light evaluation" It is an integral value of the energetic resources of an organism, which provide the functioning of the self-regulatory mechanisms at the moment of measurement. It is evaluated on the basis of the analyses of frequency (spectral) characteristics. The integral value is shown as a "traffic light" in the right lower corner of display form "Expert system".

Flashing Red	Very low resources – exhausted
Red	Low resources
Pink	Borderline resources, approaching Low resources
Flashing Yellow	Borderline resources, approaching Average

Yellow	Average resources
Flashing Green	Borderline of high resources
Green	High resources

If the organism is functioning normally without the impact of extreme or fatal stress-factors, the forecast of this state will be up to 2 hours (i.e. situational characteristic of energetic resources).

b. Bookmark "Stress-states of organs and systems". Evaluation of table "Analyses of the FUNCTIONAL STATE of ORGANS and SYSTEMS"

The table contains main life sustaining systems, and coefficients show the **levels of activation (stress-states)** on the basis of the analyses of spectral characteristics of the results.

Weak function (hypofunction)	Yellow
Average function	Green
Above average functions	Blue
Functional tension	Rose
High tension	Brown
Hyper function	Crimson

It means, that a number of wave pattern characteristics are observed in the organism at the moment of measurement, which determine the functional state of organs and systems, or symptom-complex.

The organs and systems in the table are shown in decreasing order according to the coefficients. The systems in states "Overactivation" and "Hyperfunction" are relevant for the analyses (**brown and crimson values in blue frames**).

c. Bookmark "Risk of diseases". Evaluation of table "Symptoms of nosology and symptom-complexes".

Evaluation of symptoms of diseases, syndromes and symptom-complexes on the basis of the analyses of spectral characteristics and meridional system state with the expectancy (degree of possibility) of their occurrence or predisposition to diseases.

Frequency diagnostic evaluates dysfunctions of organs and systems, or a functional failure of an organ in one of the part of the pathological cause-and-effect link chain. It is not known, when and where a diagnostic result is recorded, but the dysfunctions of an organ will be recorded in any case. Risks of diseases or signs of ill-being are evaluated by the software mathematical apparatus based on the collected knowledge and regularities. As a result, the detected dysfunctions are related to definite parts of the pathologic cause-and-effect chain. So, it is necessary to remember about anamnestic data, age-related

peculiarities, external examination and status scanning. Depending on these data, the result may be the sign of a pre-existing disease (predisposition to a disease) or of structural changes (existing disease).

Low possibility of a symptom or	Expectancy from 0 to 0,30 (from 0	Yellow
compensated process	to 30%)	
Middle possibility of a symptom or	Expectancy from 0,31 to 0,5 (from	Green
compensated process	31% to 50%)	
Increase of a symptom possibility	Expectancy from 0,51 to 0,65	Blue
	(from 51% to 65%)	
High possibility of a symptom	Expectancy from 0,66 to 0,75	Pink
	(from 66% to 75%)	
Risk of a disease or a state	Expectancy from 0,76 to 0,90	Brown
	(from 76% to 90%)	
High risk of a disease or a state	Expectancy from 0,91 to 1 (from	Red
	91% to 100%)	

They can be: compensated states, pre-clinical manifestation, pre-morbid states or a symptom of evaluated symptom-complex (bearing in mind anamnestic data and Status presents). In case of the pre-morbid state, a specialist should be aware that rehabilitation procedures for the correction of the detected symptom should be carried out; otherwise the risk of its manifestation will vary depending on the expectancy coefficient. The help for making anamnestic interview and Status presents could be find in bookmark "Reflexotherapy", when hyperactive points are used for the analyses of symptoms of ill-being.

The display limit is automatically set at 51, it means that the tables show all the conclusions with coefficients higher than 51. Conclusions with coefficients equal to and higher than 65 are relevant for the table (pink, brown and crimson values in blue frames).

Regulation of displaying the estimated values in the tables

The regulation is carried out by way of clipping:

- to carry out quick clipping, use the "Clipping" line, click the colored rectangular with the parameters of clipping: 31-41-51-61-71 %
- accurate setup of clipping parameters is carried out in the square to the right from button Change (press this button after setting up the clipping parameters)



Fig. 17

d. Bookmark "Psychology". Evaluation of table "Psychoemotional states"

The table evaluates psychoemotional states with expectancy (degree of possibility) of their manifestation.

Low possibility of a symptom	Expectancy from 0 to 0,30 (from 0 to 30%)	Yellow
Middle possibility of a symptom	Expectancy from 0,31 to 0,5 (from 31% to	Green
	50%)	
Increase of a symptom possibility	Expectancy from 0,51 to 0,65 (from 51%	Blue
	to 65%)	
High possibility of a symptom	Expectancy from 0,66 to 0,75 (from 66%	Pink
	to 75%)	
Risk of a state manifestation	Expectancy from 0,76 to 0,90 (from 76%	Brown
	to 90%)	
High risk of state manifestation	Expectancy from 0,91 to 1 (from 91% to	Red
	100%)	

The displaying limit is automatically set at 31, it means that the tables show all the conclusions with coefficients higher than 31. The conclusions with coefficients equal to and higher than 41 are relevant for the tables (blue, pink, brown and crimson values).

e. Bookmark Specialized analyses

Information concerning clinic and psychology has been collected. It is designed for professional analyses of results (physicians, psychologists). A specialist has diagnostic results in accordance with the evaluations of stress-states of organs and systems, automatic evaluation of signs of diseases. A specialist should carry out in-depth analyses on the basis of the results of previous analytic operations, confirming or excluding the conclusions obtained as a result of it (cross analyses).

A specialist edits the text information. To save the edited information in the "Electronic patient's card", press button Save .

The degree of the processes is reflected in colors: extreme states – dark-blue and brown.

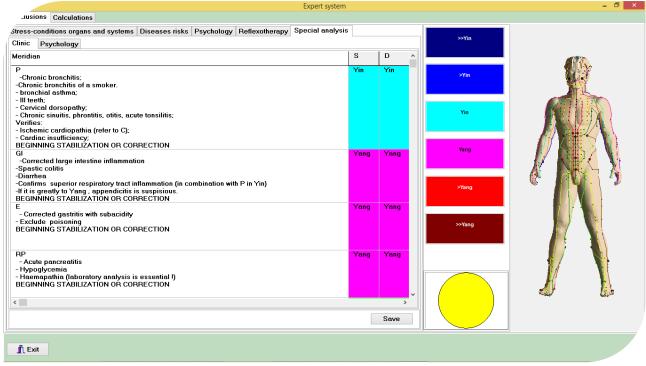


Fig. 17.

f. Evaluation of the functional state of the meridional carcass on the three-D model of a patient in accordance with the spectral diagnostic results.

It is carried out in bookmark "Reflexotherapy" (Acupuncture).

Click bookmark "Reflexotherapy"

Coefficient 71 is automatically set in line "Clipping", because only punctural points in the "Reactivation" state and higher (brown and red values) will be demanded for the analyses.

The activation levels of all 732 punctural points of 12 main paired, anteromedian and posteromedian meridians of the organism are evaluated in accordance with the results of spectral diagnostic.

The points in the reactivation state are referred to the "ill-being symptom" (brown and crimson values).

Activating the line of the table with the name of the point in the reactivation state, it is possible to analyze additional symptom-complexes in the lower text field.

An additional anamnestic interview is prepared on the basis of the mentioned symptom-complexes for the patient in order to find out the details of his\her state, evaluated in accordance with the results of the first bookmarks (exclude or confirm the risks of manifestation of the mentioned symptom-complexes, syndromes and nosologies).

To print the report about the testing from each bookmark, press button Report. (display form "Expert system" Fig. 16). To save the report as Word, click WORD, you will see sign V, press button Report and the whole report will be saved as Word in folder "Data_Export" in folder "ROFES 3.20...".

Weak function (hypofunction)	Yellow
Average function	Green
Above average functions	Blue
Functional tension	Rose
High tension	Brown
Hyper function	Crimson
Risk of the energy absence in the point "0 of the point"	Grey

"O of the point" characterizes the risks related to the absence of the energy in this point.

5.2.3. Differentiated analyses of the meridional carcass on the three-D model of a patient.

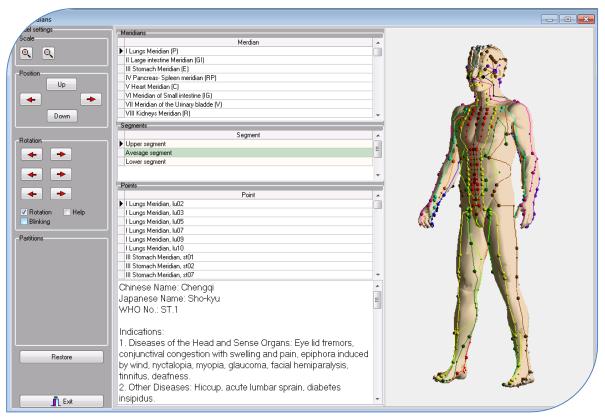


Fig. 18

- 5.2.4. Additional opportunities of using the meridional carcass on the three-D model of a patient (For the study of the human meridional system).
- The description of each punctural point on the model. To see the description of the point in the lower text field, click this point on the model twice.

5.2.5 Specialized Expert-Referential analyses of clinical and psychological characteristics in accordance with the meridional system

("Consultation" display form, "Analysis of examination" bookmark)

It is designed for the professional analyses of the results (physician, psychologist). A specialist has a printed version of the results of the diagnostic – Expert System (clause 5.2.e). A specialist should carry out an in-depth analysis on the basis of the results of previous analytical operation, confirming or excluding the obtained conclusions.

Pressing the buttons with the names of meridians around the rofogram, a specialist observes the expert-referential information concerning clinic and psychology and describing the state of each measured meridian. The window with the **expert-referential information** will be observed on the right side of the screen. Selecting the bookmarks, you may choose the clinical or psychological interpretations of the measured meridian state in accordance with the result of the measurement (Fig. 19).

For the rofes diagnostic" terminology see the Methodological recommendations "Express diagnostic of the deadaptation syndrome with the ROFES method".

To get more details about the degree of damage of each meridian (yin yang as for the rofes terminology), click bookmark "Stable matching", this will give an opportunity for better understanding of the mentioned interpretations.

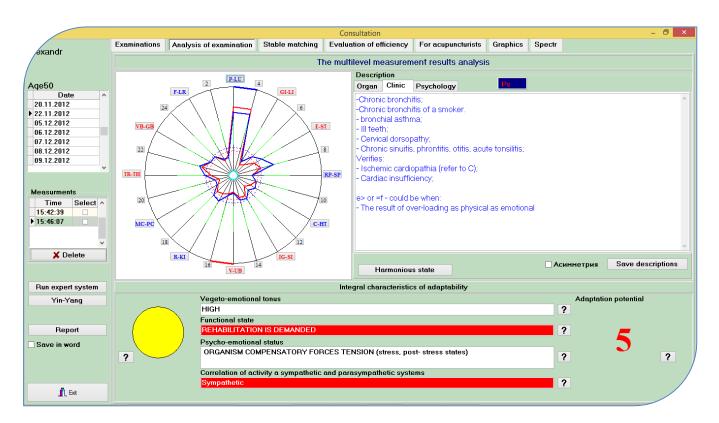


Fig. 19. Example of the expert-referential information about meridian P in bookmark "Analysis of examination".

The information is edited in text fields "Clinic" and "Psychology". Having edited the text about the state of a patient, it will be necessary to save it in the Electronic card ("Examinations" bookmark). To do this, press button Save at the right below. The information is saved in the electronic card, in text field "Evaluation of the state".

5.3. Regime "FINDING MEDICAL DRUGS"

II Level of the analyses of the state of a patient.

Specialized analyses of clinical states relating to the testing of pharmacological drugs, parasitic diseases, biological supplements etc.

"...One of the fundamental characteristics of biological systems is their oscillatory nature, which is judged by biophysical, physiological and biomechanical parameters. The presence of oscillations in a wide range of frequencies from ante optical range to ultra slow with periods of months and years corresponds to different biological processes and hierarchical levels of body organization. The variety of rhythms found in the outdoor environment is adequate to their abundance found in a human body in the form of astable processes, which can be conformed (synchronized) due to resonance interactions and they are in rational and irrational ratios. In a healthy body a relative synchronization of various oscillating (wave) processes – homeostasis components - is supported. In different pathologic conditions some deviations (oscillatory harmony disorder) can be observed.

This may be manifested in derangements in the rhythms of basic physiological mechanisms, as a rule at the expense of sharp predominance of excitative or inhibitory processes in the central nervous system, imbalance of corticosubcortical interactions.

The endocrine system desynchronization is manifested first of all in sharp increase of ACTH secretion and glucocorticoids while suppressing most of other hormones. Desynchronization in the immune system is observed both inside the cellular immunity system and between cellular and humoral immunity.

That is why resonance interactions and degrees of organism subsystems synchronization are assigned an important part in its functional condition." (Gotovsky Y.V., Izotov B.N., Chernov O.E. with coauthors, 2001)

At present homeopathy is attributed to the treatment methods, which are associated with the influence on an organism through oscillation processes. It is considered that when homeopathic remedy takes effect there is a resonance interaction between the organism's wave processes and the remedy.

Start of the mode is from "Evaluation of examination" form. (see Fig.20).

In the "Evaluation of examination" form view for further work one should choose the measurement method by which the examination was carried out (in this case the Corporeal method – "ROFES-examination").

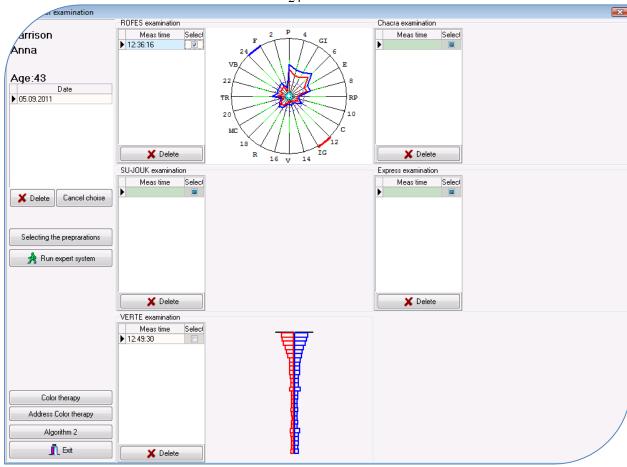


Fig. 20. The "Evaluation of examination" form view

To this end one should click on the "Sel." (select) against the time of conducted examination in the "Measurement time" window, the \boxed{V} sign will appear. Having chosen the ROFES measurement method press the "Selection the preparation" key for further work with it.

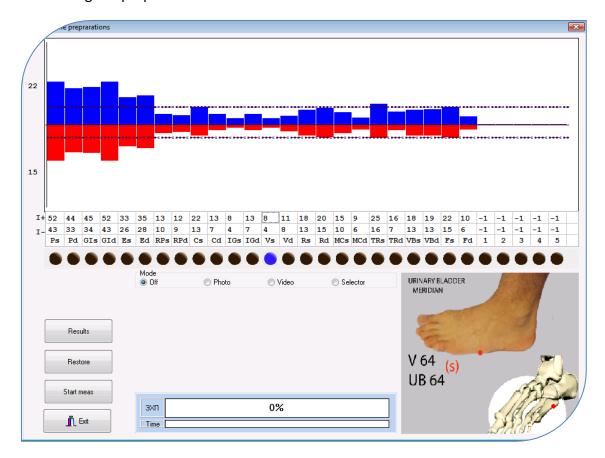
The "Remedies selection" form view appears (Figure 21).

The upper chart in the form view shows electrochemical conductivity (resistance) condition of the measured meridians in the form of conventional units from 0 to 100. The blue diagram shows the BAP reaction on negative current, the red one - the BAP reaction on positive current.

5.3.1. The algorithm of remedies selection:

- 1. According to the diagnostics result, select the meridian, connected etiologically with an organ or system, for which it is necessary to test a remedy (click the selected meridian in the table);
- 2. Put the remedy into an aluminum cup (in a pack or in an ampoule)

- apply the diagnostic «ЭΧΠ-ECS» sensor to the tested point of the meridian and press the sensor's button; Figure 21 "Selecting the preparations" form view



- 3. On completing the measurement the messages are displayed:
- "Test of the remedy at the point is completed successfully", this corresponds to the resonance properties of a tested remedy or item coincidence with the electrophysiological portrait of the tested, i.e. if the rate of electrochemical conductivity (resistance) changed and approached the individual norm for the patient (dashed lines). The remedy in this dose has a positive influence on the organ or system. If you get this positive reaction on the remedy and know its influence you can determine the illness more precisely and you will know how to treat it (Lupichev N.L. "Galvanopuncture diagnostics, homeopathy and distant influence phenomenon", Moscow, 1990)

Color assessment in the table under the tested meridian is light green or green.

• "Test of the remedy at the point failed" means that the tested remedy's characteristics do not correspond to the electrophysiological portrait of the patient. In this case the amplitude (column) is outside the individual norm corridor, i.e. there is no resonance.

Color assessment in the table under the tested meridian is pink or red.

• If the rate of electrochemical conductivity (resistance) changed from the level lower than individual norm corridor to the level higher than norm corridor, then the remedy is suitable but the treatment will be followed by exacerbation or side effects. It is recommended to make a new test after 3 - 4 days.

Color assessment in the table under the tested meridian is yellow or grey.

4. The remedy is tested on special meridians, and it is also necessary to test the remedies on meridians responsible for patient's immune status (TR); If the meridian value changes to normalization (color assessment is light green or green), this remedy will have a beneficial effect on the body immune status.

- 5. If the color assessment on the TR meridian as a result of testing remedy is red, pink or yellow, then this remedy should be used for specific need depending on the situation. The time taking this remedy should be limited to 3-4 days with further testing this remedy for compatibility or selecting another remedy to replace it.
- 6. If the remedy is taken perorally, then additionally to the specifically intended ones, the meridians of gastrointestinal tract are tested. Thus the presence of side effects and allergic inclination to the remedy are tested. If the color assessments are red, pink or yellow then just like in the previous item the remedy should or shouldn't be prescribed according to the complexity of the situation and the time taking this remedy should be limited to 3-4 days with further testing this remedy for compatibility or selecting another remedy to replace it.
- 7. The remedy is suitable for the patient if it gets positive assessment by maximum number of meridians (the more meridians are involved, the more precise the selection result is).
- 8. After you finish testing the remedy, press Restore button and follow the instructions appearing on the screen.
- 9. Version 3.17 provides for saving the results of remedy testing in the patient's data base. To this effect it is necessary to enter its name in the form below:

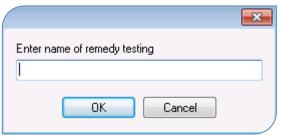


Fig.22

After of the tested remedy, it is necessary to remove the remedy from an aluminum cup. All the results of testing preparations are saved in testing data base. To view them, click the "Results" key (Figure 23). The window with testing results opens (Figure 24). Here you can print testing results by pressing "Report".

5.3.2. Particular features of remedies selection:

- The point for testing are chosen according to meridians etiologically connected to the organ or system for which it is necessary to test a remedy or a disease;
- Allopathic remedies are selected qualitatively with maximum number of points (no less than 5) involved in the analysis. The frequency of taking the remedy during a day depends on the recommendations on the packages;
- The remedies selection results for the meridian can be incorrect if the selection procedure for one BAP is repeated more than 3-5 times (the point is getting "tired" because of long lasting stimulation with a diagnostic current).

5.3.3. The principle of testing the patient with the help of nosodes:

When testing a patient with the help of nosodes the resonance phenomenon is used – i.e. when nosode frequency (information about disease) coincides or approaches to patient's electromagnetic radiation frequency of a disease or infection. Consequently, the patient may have this disease or infection in a certain phase of manifestation (from acute to the so called "information trace").

The principle of results analysis in testing with nosodes is analogous to that of described above.

If the message "Test of the remedy at the point is completed successfully" appears, then there is a resonance between the patient's disease or infection and the same disease or infection recorded in the nosode – the assessment is green.

If the message "Test of the remedy at the point is not completed" appears, then there is no resonance – the assessment is red.

5.3.4. Electronic selector of infectious agents testing

Testing the patient with the use of electronic selector is conducted in the following way:

- 1. Diagnose the patient for obtaining the energy portrait.
- 2. Open "Selection the preparation" mode (see p. 32)
- 3. Choose "Selector" mode by putting (•) on it, the "Electronic selector" panel opens.

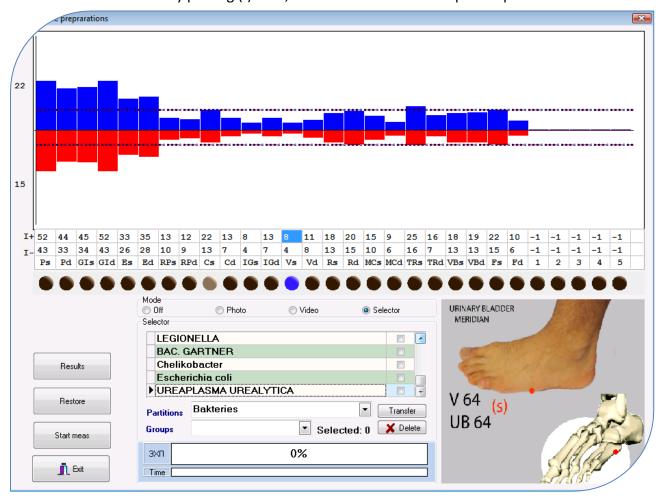


Fig. 23

- 4. To choose the infectious agent it is necessary to open the classifier "Sections" and choose the necessary section by clicking on the text of the aggravation section to be tested (Protozoa, Bacteria, Viruses, etc.). In the table above the sections there will appear names of infectious agents from the chosen section.
- 5. Choose the infectious agent necessary for testing by clicking on its name, the sign V appears next to it.
- 6. For testing one shall choose the meridian, etiologically connected to the organ or system for which it is necessary to test an infectious agent (click on the circle with the meridian's name). I.e. the presence or absence of resonance between the tested infectious agent in the electronic selector and the agent which may be present within a human organism is defined.

- 7. Launch testing.
- 8. Then activate the following meridians which are interested in testing the chosen aggravation.
- 9. Having finished testing press the "Restore" key.

Test results are automatically saved in the data base. To view them one should press the "Results" key.

5.3.5. Color assessment of the test results:

Green - high risk of the presence of an infectious agent (80 - 90%).

Light-green - risk of the presence of an infectious agent (65 – 80%).

Grey - moderate risk of the presence of an infectious agent (50 – 65%, "more likely YES than NO"), closer to information trace.

Yellow - moderate risk of the presence of an infectious agent (35 - 50%, "more likely NO than YES"), or information trace.

Pink - low risk of the presence of an infectious agent (20 – 35 %), "closer to NO".

Red - the absence of resonance with an infectious agent.

Attention!!! All the results of testing infectious agents are saved in testing data base. To view them, click the "Results" key (Figure 23). The window with testing results opens (Figure 24). Here you can print testing results by pressing "Report".

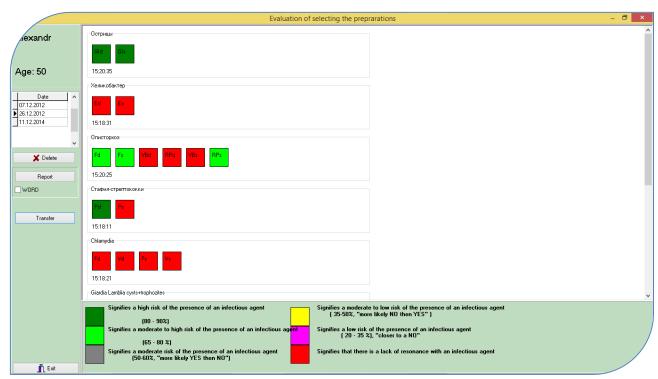


Fig. 24. (To save report in the Word format set v next to "Word")

5.3.6. "Groups" Variant. Activate classifier "Groups". Automated selection of meridians, etiologically related to the tested infectious agents.

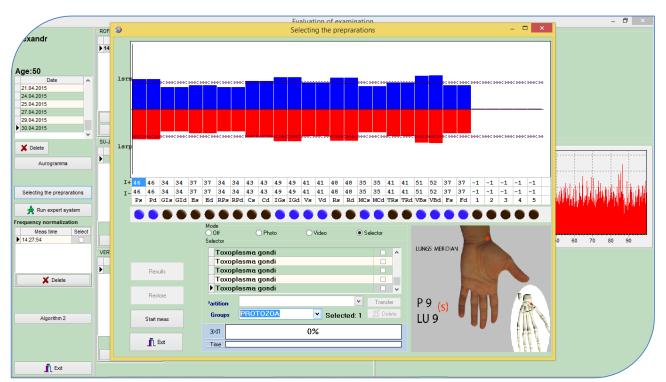


Fig. 25

a. Select any section related to parasitic diseases in classifier "Groups" (BACTERIA, HELMINTH, PROTOZOA...). The program automatically selects infectious agents, which are most common (most often occurring) in the northern hemisphere and activates only those meridians, which control organs etiologically related to the selected diseases (the circles are highlighted with blue).

An operator should carry out the testing of the meridians; the switch from one meridian to another one is performed automatically. In the end you will see the message reading "The testing has been finished".

b. All results are saved in the data base of the patient automatically without pressing button Results . To view the results, press button Results .

Notice:

To switch from variants "Prof" or "Groups", exit regime "Medical drug finding" and enter it once again.

Notice:

IMPORTANT!!!

You should inform the patient about the results of the screening-diagnostic, using the words "...risk of a parasitic diseases with a probability of ...".

If there are clinical manifestations of the diseases, in the course of which the tested infectious agent may be observed, the degree may be raised up to 95-99%.

If there are no clinical manifestations, the operator should be talking about the risks or predisposition to the tested parasitic diseases – "information traces" or genetic predisposition (A.V.Samokhin, Yu.V.Gotovsky, 2000).

There is an effect known as the "point fatigue". It means that long exposure of a point is leading to the change of its electro-physiological properties and errors in results. That is why only 2-3 sections of infectious agents should be tested, and it should be planned in advance depending on the state of the patient.

The following rule should also be remembered: "...Infectious agents are tested from the biggest to the smallest ones: helminth-mycoses-protozoa-bacteria-viruses" (A.V.Samokhin, Yu.V.Gotovsky, 2000).

One more important condition for obtaining a positive effect in the course of correction of stress-states, caused by parasitic diseases, is the reduction of loads: geopathic, electromagnetic, radioactive, which can be collected as a result of combining with the above-mentioned diseases. It is recommended to test them together, selecting all of them in section "Loads" in classifier "Prof".

Variants of correction of stress-states caused by infectious diseases or other loads are described in clauses 4 and 8.3.

5.3.7. Transfer of information about the infectious agents, which have a positive resonance in the process of testing, to the homeopathic products

(Transfer)

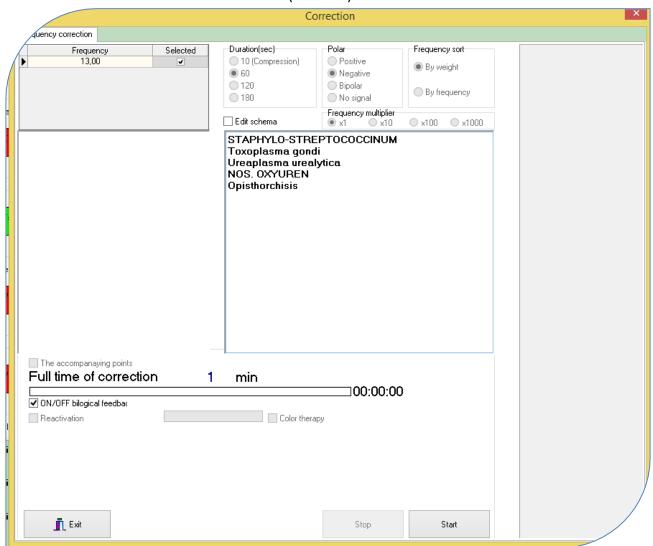


Fig.26

- 1. Press button Transfer in the display form which reflects colors of values of infectious agents (Fig.
- 25). Display form "Correction" is opened. The central table contains those names of infectious agents whose results have showed a positive resonance (green values).
- 2. Insert the plug of the zonary electric magnet to the "MRT" socket of the "ROFES" measuring block.
- 3. Put a glass container (for example, serum vial) with the homeopathic grit or solution in accordance with the planned taking on the zonary electric magnet.
- 4. To start the process of rewriting, press Correction

5.3.8. Diagnostics results specification by additional BAP measurements.

(carried out in the "Selection the preparation" mode)

There are 5 empty columns on the right part of the diagram in the table (Fig.25). For the diagnostics results specification by the patient's diagnostics result an expert may additionally measure those meridians (accordingly BAP), which he or she considers necessary to finish examining. Click on the empty right column in the table. Then measure the required meridian or BAP. The method of received result analysis is analogous to the "ROFES-diagnostics" method: the blue graph is "physiology", i.e. the BAP's reaction on negative current, the red graph is "energy profile", i.e. BAP's reaction on positive current. The analysis is carried out relative to norm corridor for blue and red graph accordingly.

For instance: recommended points for additional examination **TR20s; TR20d – hypothalamus.** It is a center of vegetative regulation, it regulates the thermal processes in an organism wakefulness and sleep, water and lipid (fat) exchange, genital function, sweating and so on. The changes in electroconductivity of the point can be conditioned by an apparent cerebrosclerosis, excessive soporific use, after meningitis, encephalitis, head niduses of infection. More often with head niduses of infection the change has one-sided character on the nidus side (teeth, sinuses, tonsils and ears).

The TR-20 topology – is situated on the skull right above the upper place of ear joining where a fossa can be palpated.

6. Bioresonance characteristics transfer from homeopathic and allopathic carriers.

- 1. Press "Conditions correction by symptom complexes" below the patients list (Figure 4)
- 2. Find the line "Bioresonance characteristics transfer" in the table, activate it by clicking in the "Sel." column of this line.
- 3. Press the Correction key.

The "Correction" form view opens. Then:

- 1. Put the remedy from which you are going to transfer bioresonance characteristics into the aluminium cup;
- 2. Put the glass vial with the homoeopathic groats on the cylindrical magnet;
- 3. Press the "Treatment" button and wait till the process is completed;
- 4. In order to check bioresonance characteristics transfer launch the "Selection the preparation" mode.

7. Information block for acupuncturists (reflexotherapists) in the "ROFES professional" program.

Designed for calculating the formula of optimal acupuncture points when conducting therapeutic sessions of needle treatment or using hardware environment, such as EHF, SCANAR, DENAS, etc.

To launch press the "For acupuncturists" bookmark.

7.1 Color scale of meridians' condition which characterizes the deviation extent of every meridian from the "norm" on the rofogram.

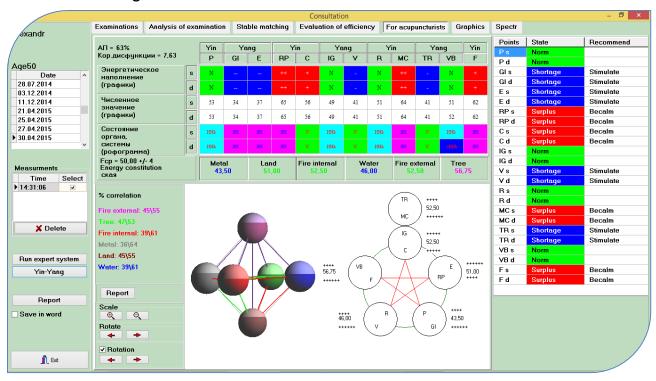


Fig. 27. Color scale of meridional system condition, which characterizes the deviation extent of each meridian from "normal", in the "For acupuncturists" bookmark.

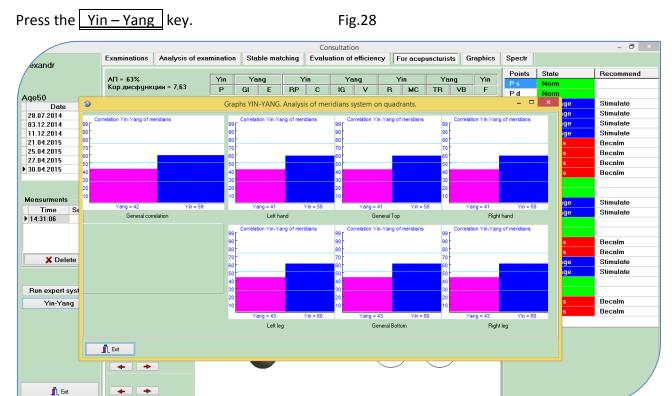
To analyze the meridians' state on the rofogram by the color scale click "For acupuncturists" bookmark in the "Consultation" display form. Deviations of every meridian are defined with the help of weight coefficients which characterize the rate of deviation from the individual norm corridor. Average "energy and physiology" lines are assumed accordingly per unit (look a line "rofogramm" in the table at table).

"norm" – from 0,92 to 1,07 (deviation from 1 by $\pm 7\%$)	Green
"deviation to Yin" – from 1,07 to 1,25 (7-25%)	Blue
"Deviation to Yang" – from 0,92 to 0,75 (7-25%)	Pink
"> Yin" - "Strong deviation to Yin" – 1,25 and more (more than 25%)	Dark blue
"> Yang" - "Strong deviation to Yang" – from 0,75 to 0 (more than 25%)	Red

7.2. Automatic calculation of a patient's meridional system condition "by quadrants".

Above in the form view there are diagrams, showing the ratio of yin and yang meridians energy filling (surplus-shortage) on extremities, in upper or lower halves of body.

Such calculation is usually called calculation of meridional system condition by quadrants.

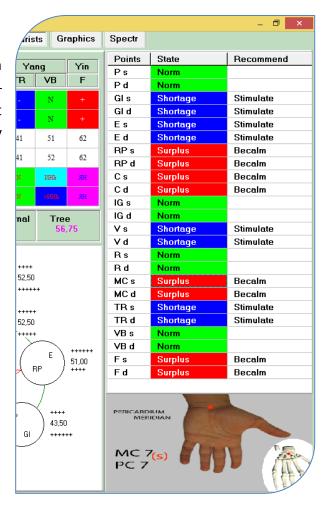


Analysis by quadrants makes it possible to optimize recovery lines of meridional system functioning, to locate the minimal energy supply of meridians, i.e. the place from which it is necessary to carry out reflexotherapeutic procedures according to the rules stated below.

7.3. Algorithms of meridional system reflexotherapy

A form view with a table appears where the pattern of each meridian condition by its energy supply (surplusshortage) is shown. On the basis of this data an expert may carry out a patient's meridian system correction by needles or by hardware (for instance, Puncture EHF).

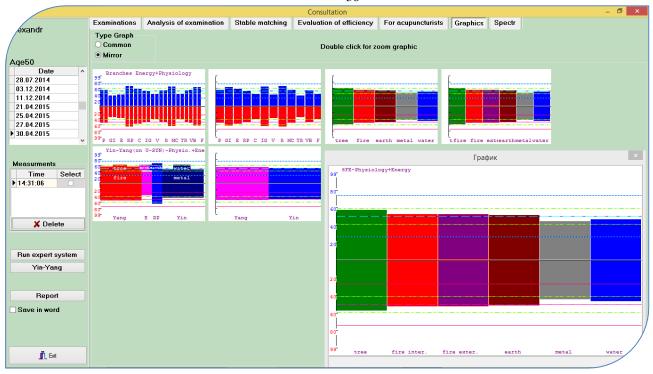
Fig. 29. table of meridians energy supply



7.4. The meridian system energy supply diagrams according to the measurement results (surplus-shortage) in accordance with the "U-sin" conception can be viewed with the help of scrolling on the right of the "rofogram". (Figure 30)

- image of meridians energy supply;
- image of basic elements energy supply (5 basic elements, 6 KI);
- image of Yin-Yang structure energy supply.

Fig. 30



Open the "Graphics" bookmark (Fig. 30.)

7.5. Calculation and displaying of the "basic elements scales" 3-D model.

In the model there are constructed spheres with certain volume of all basic elements, which is equal to a patient's diagnostics results where the "External fire" basic element is above, on the opposite side below is the "Earth" basic element. The rest of basic elements are between them in a plane.

In harmonic condition which corresponds to harmonic condition of a living biologic system, what a human being is, all the basic elements will be on the vertexes of the octahedral crystal and all the connections between them will be situated on the facets and diagonals of the crystal (in the "ROFES" software green color shows constructive connections, red color - destructive). If a person is not in a harmonic condition as a result of illness or psychic field oscillations, then the volume of basic element decreases or increases according to the diagnostics results. In this case they are transferred along the facets and central axis upwards or downwards. Accordingly the ties between them will enlarge or shorten.

On the basis of received 3-D image one can interpret a person's condition by each basic element correspondence to certain clinic or psychic conditions, and also calculate the basic element, which bears the source of illness in terms of reflexotherapy, relying on the analysis of connections widening or shortening between the basic elements.

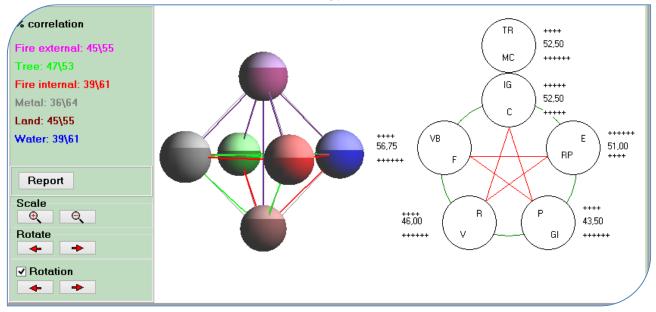


Figure 31.

In the upper left corner the energy ratio of yin (the right column) and yan (the left column) meridians, which are parts of each viewed basic element, is calculated.

7.6. Automatic calculation of acupuncturist rules (to "Refleksotherapy" bookmark in the Expert system) (Figure 32, the part below):

- "Treatment by the point of group "LO" with yin hyperfunction and yan hypofunction podal meridians"
- "Treatment by the point of group "LO" with yin hyperfunction and yan hypofunction —hand left meridians"
- "Treatment by affected meridians meridian hyperfunction"

On the screen below there is a table with conclusions by meridional system energy condition analysis and algorithm of treatment by affected meridians as well as by the points of group "LO".

Coefficients against each conclusion show:

- The degree of energy deviation intensity by automatically calculated rules.
- The selection sequence of meridians and acupuncture points for energy condition correction (the higher the coefficient, the stronger energy deviations along this meridian).

A click on the CONCLUSION line opens a form view with ACUPUNCTURE algorithm.

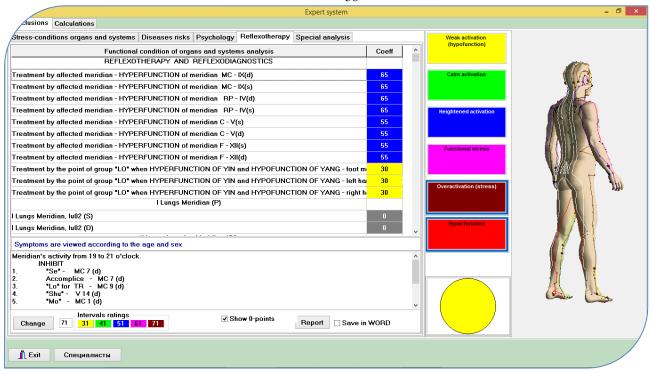


Fig. 32.

It is important to know!

To control real-time treatment according to the regulations calculated in the table (needles, moxa, devices, etc.) an expert can switch on the "REAL-TIME procedure control mode" in the "Algorithm 2", by applying one-time cardioelectrode ("clingfish") to the key point or point with the lowest value of energy supply amplitude ("shortage").

Or launch the Version 4.09 software (MONICOR – Monitoring of conditions adaptation and correction), apply one-time cardioelectrode to the key point and observe and analyze reactions of 361 puncture points along 14 main meridians of a human organism on the real-time basis during the whole session. To avoid influence of the "ROFES" device turn the "Correction" mode off in the initial settings or in the process of observing (for further information see manual for the ROFES 4.01-03 "MONICOR" software).

8. Electronic card of a patient

Windows for posting of textual information and its indication based on anamnestic data, status presents in the context of specialist's appointment, results and recommendations are in bookmark "Examination".

Moving the cursor through the appointment dates allows viewing changes of information in windows of Electronic Cards depending on its entering according to appointment dates.

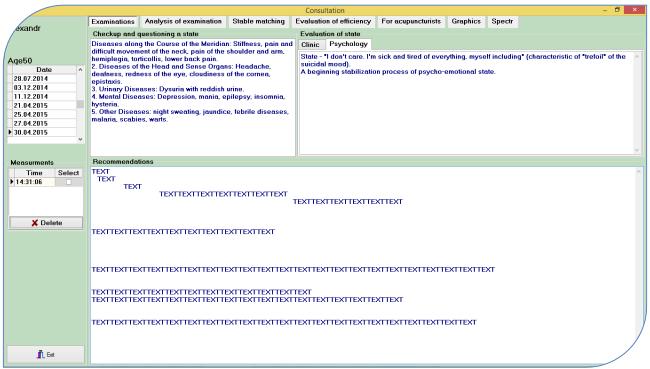


Fig. 33. Bookmark "Examination" with text window of health certificate electronic card of a patient

9. Correction of stress states

Diagnostic and correction methods with biological feedback

4 variants

9.1. Variant 1

Diagnostics and Correction in mode

"Patient's functional frequency"

- 1. Perform diagnostics of the patient according to one of the methods for the obtainment of electrophysiological (energetic) portrait.
- 2. Press button Analysis of examination. Select the method whereby diagnostics was held, ticking v in the column "Selection" in a screen form "Evaluation of examination".
- 3. Press button Run expert system for running of Expert System.
- 4. The screen form "Expert System" will be opened.
- 5. Information about the work in the screen form "Expert System" is described in details in item 5.2.
- 6. Correction of stress states with the functional frequencies according to the conclusions of the "Expert System"

The program automatically clips feeble coefficients, leaves 50 of the most important ones, which are calculated from three tabs. Press button F patient

Correction of stress - states is determined for adults from 20 to 50 minutes with the increase per a minute daily. For children aged 10 and older, with the increase up to 30 minutes. The clipping line allows determining the indicated parameters according to the rule: 1 frequency = 1 minute.



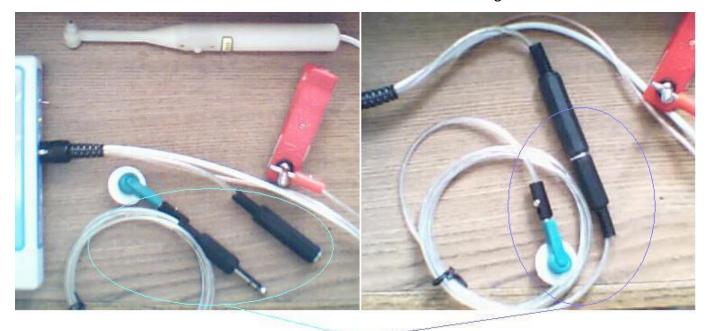
The screen form "Correction" will be opened.

Fig.34.

"Key point" is pointed out in the central figure; it is calculated on the basis of the results of the patient's diagnostics.

Connect an extender to the " $3X\Pi$ - (ECC)" sensor inserting the extender plug into the socket of the " $3X\Pi$ - ECC" sensor, located on a short piece of a wire (tightly insert the extender plug into the socket until its clicking position). Or, if the " $3X\Pi$ - ECC" sensor with two wires is provided in a delivery set instead of an extender, insert the plug into the " $3X\Pi$ - ECC" socket instead of the " $3X\Pi$ - ECC" measuring sensor (Fig. 1). Fix one-use cardioelectrode (sticker) on a key point as shown on Figure 35.

Fig. 35



Одноразовый қардиоэлеқтрод до подқлючения қ датчиқу ЭХП и после

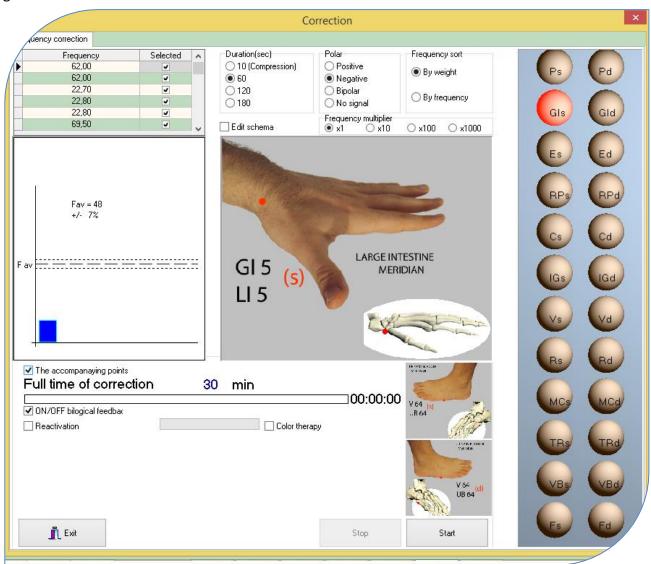


Fig. 36

To view the two associated points on which the sensor will be placed after the achievement of the key point of the functional norm corridor, you should activate the function "Supporting points", sign vill appear and two figures with associated points will appear below the key point figure. To display the value of an associated point on the diagram, click the circle on the right, in accordance with its figure.

Start of the process of correction with biological feedback is carried out by pressing the button of the "ЭХП-ECC" sensor or button Correction on the computer screen.

Fig. 37



7. "Color therapy" mode. Combining with Diagnostics mode and Correction mode.

Before pressing the button Correction you should prepare the activation of the "Color therapy" mode. Click text "Color therapy" - sign v will appear there.

By pressing button <u>Correction</u>, the "Color therapy" mode will be initiated parallel to the correction of the patient condition by functional frequencies. Work with the "Color therapy" mode is described in item 17.

Do not forget to check that the cardioclamp remained on the patient's hand like during the diagnostics

Supplement to the diagnostic signs:

If the blue column which characterizes energy filling of the key point has reached noma corridor in a short period of time (for instance, 3-7 minutes out of total 20 minutes), then the dominating sign which characterizes a patient's condition at the point of time is a psycho-emotional component.

If the blue column which characterizes energy filling of the key point has reached noma corridor in an average period of time (for instance, 7-12 minutes out of total 20 minutes), then the dominating sign which characterizes a patient's condition at the point of time is functional deviations.

If the blue column which characterizes energy filling of the key point has reached noma corridor by the end of total time, or has not reached it, then the dominating sign which characterizes a patient's condition at the point of time is organic patologies. The total amount of diagnostics and correctional procedures he should be given is from 7 to 15. The amount is defined by an expert in accordance with a patient's condition dynamics.

If there is a positive dynamics: AP (Adaptation potential) is increasing, the number of effective assessments by differentiated diagnostics is growing (see paragraph "Rehabilitation procedures efficiency assessment"), the clinic and laboratory characteristics are improving, then the course of treatment can be finished in 2-3 sessions to secure positive condition.

9.2. Variant 2

Diagnostics and correction according to Algorithm 2

It is recommended ONLY for doctors!!!

Algorithm 2 allows doing correction based on BAT and regions on the basis of symptom-complexes and syndroms.

The choice of points is done by specialists alone.

The specialist can use the patient's diagnostic data using the point of the meridian line that is on the right of the screen form (Fig. 20).

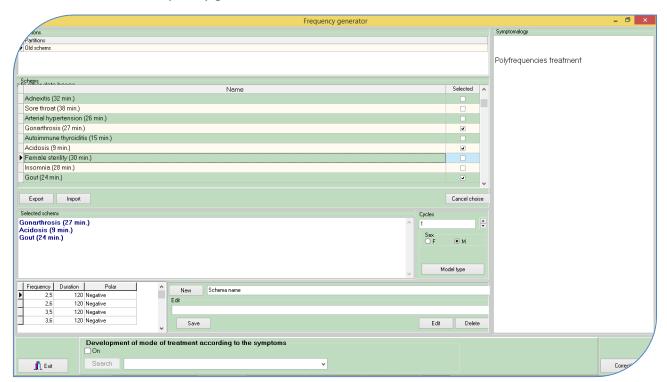
- 1. Perform diagnostics according to one of the methods for the obtainment of an electrophysiological (energetic) portrait.
- 2. Press button Analysis of examination. Select the method whereby diagnostics was held, ticking vin column "Selection" in a screen form "Results of measuring methods" (Fig. 8).
- 3. Press button Algorithm 2

The screen form "Frequency generator" will be opened (Fig. 54).

The list of nosological entities, symptom complexes and syndroms, and mono frequencies are in the central table, in this form. Their descriptions are in the text box on the right. By scrolling (paging), you can select the necessary mono and poly frequency for the patient that correspond with the results of syndrome-based diagnostics for correction in mode with biofeedback.

3.1. To choose by the click, tick V in the column «Select». A symptom complex will appear in blue in the central window, in front of it will be V.

Рис. 38 Screen form "Frequency generator".



3.2. Press the button Correction

The screen form "Correction" will be opened (Fig. 38)

A picture with an automatically calculated key point is situated in the centre of the form. This point is the most sensitive one to the frequency therapy, needle therapy or other punctural procedures (SCENAR, DENAS, extremely high frequencies etc.). The line of measured meridians is situated vertically in the right part of the screen. A specialist can select and correct those meridians, which are in the state of "abundance" or "shortage"), moving the cursor along this line ("key point" is recommended at the entry to the display form). The choice of other points for the correction will be depending on the experience of a physician, required task and state of the patient.

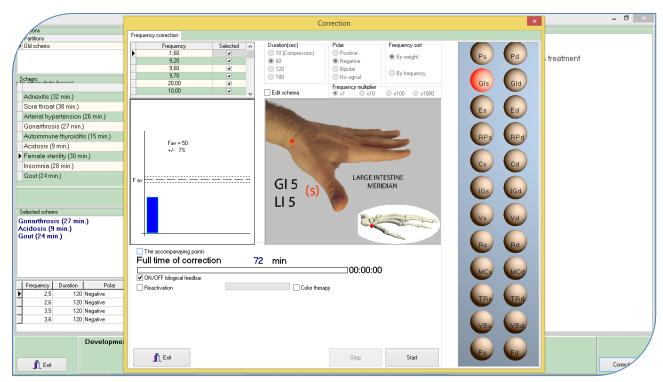


Fig. 39

Put the head of the ECC sensor or a one-use cardio-electrode (connect an extender to the ECC sensor as shown on Fig. 35, 36), the passive electrode (clamp) is left on the patient's hand after the diagnostics, if it is not, you should fix it on the hand once again. If it is required to carry out parallel magnetic-resonance correction, insert the punctural MRT sensor (longish one) into the MRT socket on the measuring block and place it on one of the associated points or give it to the patient for holding in hand.

A specialist can at the same time place punctural needles, moxa on the associated points in order to enhance the effect of the therapy. Remember that these points exist in the "emptiness (shortage)" state, and therefore they should be stimulated. The total result of exposure of all points and skin areas will be displayed on the computer screen according to the key point reaction.

The whole process of influence with biological feedback is shown on the graph in form of blue column oscillation which shows the BAP reaction to incoming frequency which was chosen from the table on the left above in the form view.

The necessity of influence on next points is defined by an expert.

9.2.1 The "Color therapy" mode. Combination with the diagnostics and correction mode.

Before pressing the <u>Correction</u> key one should prepare the "Color therapy" mode activation. Click the "Color therapy" text, the tick appears next to it.

When pressing the "Correction" key, the "Color therapy" mode will start simultaneously with patient's state correction by the selected frequencies. The work with the "Color therapy" mode is described in paragraph 15.

Contra-indications for magnetoresonance treatment:

- Inflammatory diseases in the acute period;
- haemorrhage and disposition towards it;
- acute hypotonia;
- febrilily;
- suppurative processes before surgical operation;
- serious CHD;
- early postinfarct period;
- acute derangement of cerebral circulation;
- pregnancy;
- system diseases;
- oncological diseases;
- thyrotoxicosis;
- diencephalic syndrome;
- cardiostimulator implantate;

9.2.2. Mechanisms of therapeutic influence in the process of BAP electrostimulation (information is taken from the bare source "Electrostimulational reflexotherapy" by Yakupov R.A.)

Electric stimulation is used in reflexotherapy mainly because it has the opportunity to influence on the informational regulation processes in the body, because current may be regarded as physiologically adequate stimulus for nervous structures.

Neurophysiological and neurohumoral mechanisms of electrostimulational analgesia are studied in details. Analgesia is based on the process of pain control endogenous mechanisms activation (Kalyuzhny L.V., 1984; Limansky Y.P., 1986; Melzak R., Wall P.D., 1965; Fields H.L., Levine J.D., 1984; Bowsher D., 1988). It is supposed that anesthesia comes as a result of the activation of the primary nociceptive afferents presynaptic inhibition at the level of spinal cord posterior horns and also activation of the central relay nociceptive neurons postsynaptic inhibition. This activation appears under the influence of neurohumoral factors including enkephalin and endorphin opioid systems, brainstem's serotonergic and adrenergic mechanisms (Melzak R., VetereP., Finch L., 1983; O'Brien W.J., Rulan F.M., Sanborn C. et al., 1984; Casale R., et al., 1985; Pascal A., 1988).

Electrostimulational reflexotherapy allows to affect on the one hand endogenous opiathergic antinociceptive system, and, on the other hand, specific afferent system ("portal control"). To obtain optimal result in the first case, low frequency intensive stimuli are needed that excite high-threshold fibers of nonmyelinated afferents and central neurons of opiathergic system. In the second case — low intensity high-frequency stimuli because A-alpha and A-beta fibers have low excitability threshold and high functional lability (Kalyuzhny L.V., 1984; Limansky Y.P., 1986; Melzak R., Wall P.D., 1965; Fields H.L., Levine J.D., 1984; Hoffert M., 1986; Yaksh T.L., 1987; Bowsher D., 1988)

Peculiarities of analgesic effect when using high-frequency (80-150 Hz) and low-frequency (5-10 Hz) stimulation modes have been detected. When the stimulation is high-frequency, analgesic effect comes

quickly – in 5-10 minutes after the beginning of treatment, but it is not stable and regresses almost entirely in 30-60 minutes after the stimulation is finished. When the stimulation is low-frequency, anesthesia appears slowly – in 45-60 minutes after the beginning of treatment, but it is stable and often remains for 3-5 hours (Yakupov R.A., 1991; Melzak R., Vetere P., Finch L., 1983; Lehmaan Th.K., et al., 1986).

Indications for application

Galvanopuncture and galvanoacupuncture are prescribed according to indications for other methods of reflexotherapy. The best effect is achieved when pain syndromes of various genesis are treated. Galvanopuncture as a method of noninvasive treatment is especially useful for children treatment.

Contra-indications for application

- 1. New growths regardless of localisation and origin;
- 2. Malignant blood diseases;
- 3. Cardiovascular pathology;
- 4. Diseases of organs and systems at the stage of decompensation;
- 5. Pregnancy;

ATTENTION!!!

As a result of stimulation overdose, corporeal galvanoacupuncture and auricular analgesia is often accompanied by side effects, such as blood pressure oscillations, dizziness, nausea etc. That is why its usage is strictly forbidden for people with cardiovascular and vegetovascular pathology and for elderly aged people.

9.2.3. Adding new frequency chains to the "Frequency generator" (Fig. 24):

- 1. Delete and enter the name of a new scheme in text line "New" text "Name of a scheme" (for example, "Opisthorchiasis treatment").
- 2. Press button New line with the new name "Opistorchiasis treatment" appears in the central table.
- 3. Select the line with the new name and press button Change. "Opistorchiasis treatment" in text field "Edit".
- 4. Enter frequency lines in fields:

Column "Frequency" – in numbers

Column "Length" - numbers in seconds;

Column "Polarity" – classifier – click twice and select the type of polarity.

Do not exit and press button "Down arrow" and a new empty line appears.

Enter once again as it was described above.

5. Press button Save in window "Edit".

Variant 3

9.3. Diagnostics and correction by the point of "correspondence" to pain syndrome in Su Jok and Corporeal methods

- 1. If there is a local pain syndrome in an organism, define its point of correspondence on hand in Su Jok microsystem.
- 2. In the "Express-diagnostics..." mode launch diagnostics by one point to obtain frequency characteristics from the point of correspondence to local pain syndrome.

Place the sensor to the point disregarding the points images offered by the "ROFES" program.

After diagnostics form the correction signal from the point of correspondence as in the 1st Variant (paragraph 9.1.).

Note:

The point of correspondence to pain syndrome can be defined directly on a patient's body by palpation. If there are no cutaneous findings in the point and the integrity of cutaneous covering is preserved, then a disposable cardioelectrode is placed there and the "Diagnostics and correction" procedure by one point is carried out.

Variant 4

. 9.4. Formulation of reflexotherapy (electropuncture therapy) in accordance with the complex of symptoms and diseases of the patient.

The automated program for the formulation of punctural prescription in accordance with the symptoms ill-being of a patient, with visualization of punctural points on the three-D model of the patient, their localization, rules of acupuncture, and description of the associated symptom-complexes respective to the calculated points.

It can be used for the formulation of punctural physiotherapy for household and professional devices of electropuncture therapy (DENAS, SCENAR, extremely high frequencies, MILTA, etc.)

This function implies deficiency of primary diagnostics according to the existing methods on the "ROFES" complex. As a consequence, this function may be non-specific and is run with initial screen form "the main form of software ROFES".

- 1. Press button <u>Correction of symptom complex states</u> (Fig. 4) which opens the screen form "frequency generator".
- 2 Activate the mode below this form "Formulation of treatment according to symptom complexes" tick the box v next to "On".

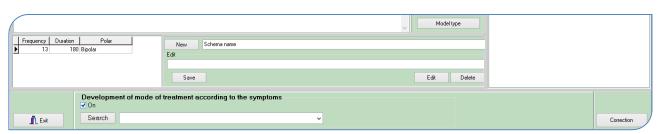


Fig.40.

Enter a symptom complex of the patient into the text box of the classifier. If the symptom is the phrase, tick the box v next to the "exact phrase".

Consider the following example: Let's take symptom "Depression" for a male patient. Enter a symptom complex of the patient into the text box.

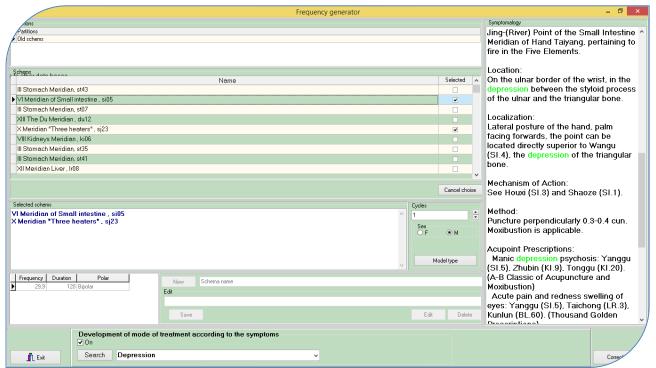
4. Press the button Search

The program will combine the central table with all the points of meridians and frequency circuits with the word "depression".

Moving across the lines of the central table, it is necessary to analyze the listed symptom complex in the text box below and to prepare an additional anamnestic interwiew for the test patient to define his status (to exclude or confirm the risks of appearance of these symptom complex, syndromes and nosology) more accurately.

After analyzing symptom-complexes composed in the Table of punctural points and frequency circuits, you should select the symptoms with the most relevant anamnestic data for the interviewed patient. For this purpose, tick the box v in column "Select". With that the selected names of points and frequency circuits are transferred to the central table and highlighted with blue.

Fig. 41



5. Search for the selected punctural points localization.

Select the sex of the patient in the center of the screen of a long of o M. In our case it is «M».

Press button Type of model. Screen form "Meridians" will be opened, where the puncture points of those meridians, that have been chosen for the treatment according to them and have been highlighted with blue in the text box of the previous screen form, are activated on the patient model (in our case - male). The localization of the points is observed on the three-D model of the patient, and the anatomical topology is indicated in the text box below at the activation of lines in the central table.

Reflexotherapeutic rules of acupuncture for the selected points are presented in the text box below.

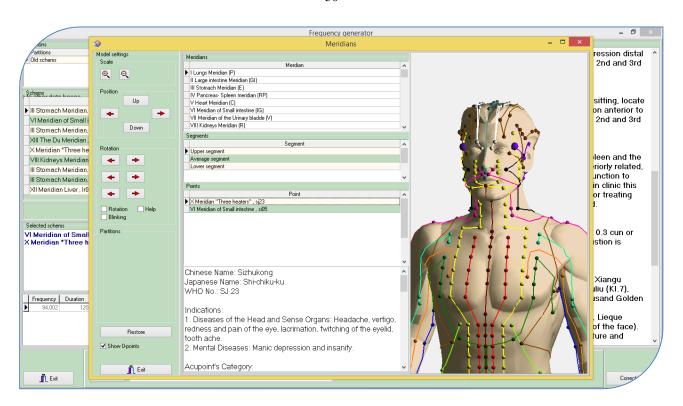


Fig. 42

To choose the most optimum point or points for carrying out correction a stress states.

To establish a disposable cardioelectrode on the chosen point or points.

To close a screen form with the phantom.

To establish quantity of cycles that obeshchy time of correction was 30 - 40 minutes. Remember that to each chosen point there will correspond one minute.

Press Correction button.

And press Start key.

10. Mode "Treatment frequencies transfer to homoeopathic and ferromagnetic sources according to nosologies and symptom complexes"

Purpose:

- To exclude direct galvano- and magnetic-resonance influence on a patient's organism;
- If there is a positive dynamics for a patient as a result of correction with a certain frequency by symptom complexes, an expert can carry out "Transfer - Rewriting" of this frequency to homoeopathic or ferromagnetic sources and give it to the patient for usage. After 3-4 days one should carry out monitoring diagnostics for effectiveness assessment and frequency portrait correction.

The mode is launched in the "Correction" form view, software Version 3.17 or higher.

To apply it the frequencies compression technology is used.

Variant 1. If it is necessary to carry out "Transfer - Rewriting" from Algorithm 2 or "Launch frequencies by symptom complexes":

1. Select in the "Frequencies generator" the necessary line for nosologies by clicking it.

The selection is carried out by clicking, ticking in the "Sel." column.

In the central window the symptom complex, against which the tick appeared, will be highlighted in blue.

- 2. Press the "Correction" key the "Correction" form view opens;
- 3. Activate the frequencies compression mode by clicking the text "10 (compression)" above in the form view in the "Duration" table;

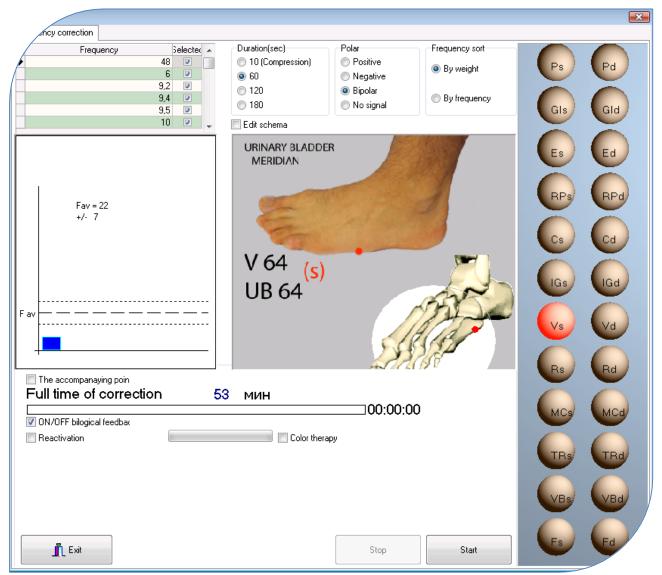


Figure 43

4. Place a glass vessel (for instance, "penicillin vial") with homeopathic groats or ferromagnetic carriers on the cylindrical magnet;

- 5. Turn the "BF control" (Biological feedback) mode off;
- 6. Press the "Correction" key, the process of rewriting starts.

Thus transfer time for the selected frequency chain is reduced by 10 times.

Variant 2.

If it is necessary to carry out "Transfer - Rewriting" of a patient's functional frequencies to ferromagnetic carriers, homeopathic groats or to structure water (see next paragraph).

- 1. Diagnostics by one of the methods;
- 2. Selection of the carried out diagnostics method in the "Evaluation of examination" form view;
- 3. Press the Run expert system key;
- 4. Cutoff the ill-defined signs (recommended up to 50);
- 5. Press the Correction key, the "Correction" form view opens;
- 6. Launch the frequencies compression mode, by clicking the text "10 (Compression)" in the "Duration" table above in the form view;
- 7. Place a glass vessel with homeopathic groats or ferromagnetic carriers on the cylindrical magnet;
- 8. Turn the "BF control" (Biological feedback) mode off;
- 9. Press the Start key, the process of rewriting starts.
- An average dose of homeopathic carriers for one session 3-5 homeopathic groats;
- Ferromagnetic carrier is attached with the help of adhesive plaster to the point of correspondence to pain syndrome, if the diagnostics was carried out by point of correspondence.
- Ferromagnetic carrier is attached to the "key point" and two accompanying points, calculated in Algorithm 1, if full diagnostics was carried out.
- Homeopathic or ferromagnetic carriers must be stored in foil-coated plastic bags or in foil.

11. Disease prophylaxis by structured water

- Diagnostics if OBLIGATORY!! Diagnostics is carried out by the selected methods to obtain a patient's energy portrait and his or her spectral characteristics during the initial reception;
- In the "Express diagnostics and correction" mode diagnostics is carried out by 1 or 6 points, depending on the treatment course, during correction procedures.
- 1. Select the carried out diagnostics method in the "Evaluation of examination" form view;
- 2. Press the Run expert system key;
- 3. Cutoff the ill-defined signs (recommended not over 50);
- 4. Press the Correction key, the "Correction" form view opens;
- 5. Launch the frequencies compression mode, by clicking the text "10 (Compression)" in the "Duration" table above in the form view;
- 6. Turn the "BF control" (Biological feedback) mode off;
- 7. Prepare a glass of water (about 100ml);
- 8. Attach the puncture electromagnet (elongated one), put it in the glass, do not forget to alcoholize the electromagnet before each procedure;

9. Press the Start key, the water structuring process starts.

Notice: It is possible to combine the process of water structuring with the transfer of frequencies to the electro-magnetic media. To do this, put ferromagnetic film on the electric magnet and put a glass of water on it.

12. COLOR THERAPY mode.

This method is designed to harmonize a patient's psycho-emotional condition in order to correct psychosomatic abnormalities of his or her health.

- 1. Carry out diagnostics by one of the methods to obtain a patient's electrophysiological (energy) portrait.
- 2. Select the carried out diagnostics method in the "Measurement methods results" form view.
- 3. In the left corner below in the form view press the "Color therapy" key.
- 4. Similar algorithm of work with the mode COLOR THERAPY is given in the "Instructions" form view, which can be opened by pressing the "Instructions" key in the "COLOR THERAPY" window.

In the "COLOR THERAPY" mode, there is an automatic selection of psychological affirmations according to Expert System diagnostics result concerning backbone's condition (in BigROFES it is launched from the "Vertebrology" module in the "Analysis of examination" bookmark, or in Mode 2 when selecting the "Vertebrology" method).

- Combined color, music and affirmations (positive motivations to change one's emotional condition) treatment increases the effectiveness of psychosomatic abnormalities correction.
- When working with children, the "Color therapy" along with psychosomatic correction allows to get in contact with reserved children. After viewing for 3-5 minutes a child lets to be easily contacted with (in this case a mode is launched from the modes selection "tree"). The color gamut forming is estimated on the basis of meridian system harmonic condition.

12.1 The "Addressed color therapy" mode

The mode is designed to optimize a patient's consultation time.

- Allows to export into a separate folder the "Color therapy" program with a patient's diagnostics data to carry out relaxation-therapeutic color therapy sessions at home or at work.
- The program is exported to directory .../Data_Export/ColorTherapy/A patient's surname and date. An expert copies to a portable data medium (Flash or CD) a folder with a patient's surname and he or she can launch the color therapy program directly from the data medium on any computer.
- An expert has consult on carrying out color therapy sessions according to the manual.
- In three days after the diagnostics on the basis of which a color gamut is estimated in the "Color therapy" program, the color therapy mode becomes unavailable, since the patient's diagnostics data got out of date.

• A patient has to carry out new diagnostics by an expert or by his or her own "ROFES Family Doctor" device.

Addressed color therapy is launched from any form view with the "Addressed color therapy" key.

13. Efficiency evaluation of rehabilitation procedures (Fig. 44)

Activate the "Efficiency evaluation" bookmark. The function is used for the evaluation of changes in the patient's meridian system for a specified period of time. Select two measurements necessary for analyzing the efficiency for the certain period of time in table "Measurements" (tick the box \sqrt{N}).

Fig.44



Evaluation characterizing changes in the state of the patient's meridian system occurred during the selected period of time (between the dates of measurement of the patient) is estimated in the central table "Meridians". The basic rule of the efficiency of rehabilitation procedures is access to the harmonization of the meridian functioning, that is the approach of its indicators to a normal functional Corridor (to 1 + 7%)

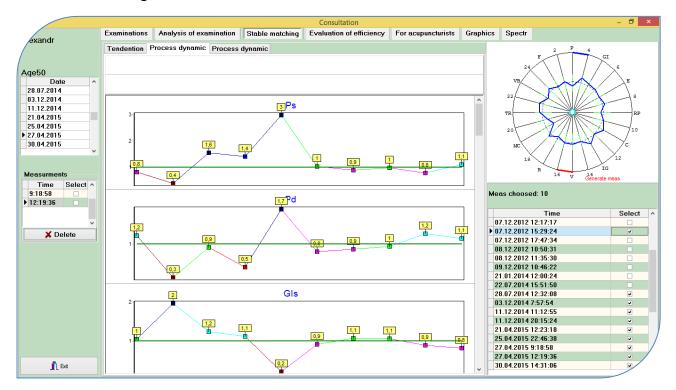
Changes in the levels of activation of the physiological systems of selected measurements are represented in the table "Functional state of organs systems".

13.1 Differentiated dynamics of the rehabilitation procedures process.

Before starting this mode one should select in the "Date; Time" table the charts for analysis or press the "Select all" key in the "Stable matching" bookmark.

To assess the dynamics of the rehabilitation procedures process differentially for each meridian press "Process dynamics of meridians"

Fig. 45.



The form view with graphs for each meridian, which show the changes in each meridian during a certain period of time, opens (Fig. 45). To zoom a separate meridian graph double-click on it.

13.2 Adaptation potential dynamics

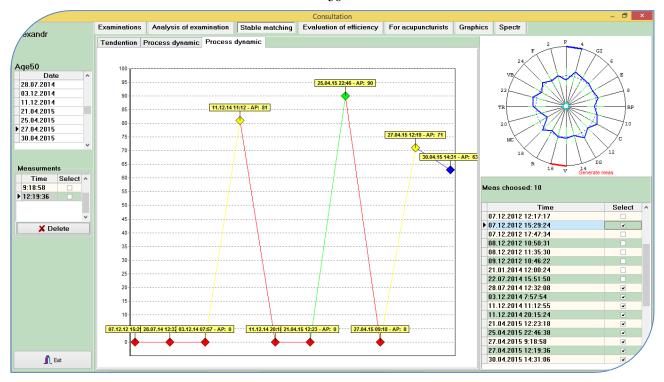


Fig. 46.

Adaptation potential dynamics is opened by pressing the "AP Dynamics" bookmark (Fig. 46). The form view, showing the changes dynamics of a patient's Adaptation potential by the graphs selected for analysis, appears.

14. Method of express diagnostics and correction of stress states

The fundamental thing in the mode of the express method based on 12 points is:

- as a result of diagnostics the individual Corridor of the functional norm will be obtained, and the
 poly frequency correction with the biofeedback will be performed in accordance with this corridor
 ("Expert system" in the screen form or in the "MONICOR");
- obtainment of the spectral characteristics for the assessment of risks of diseases, syndromes, symptom complex and forming of the signal of multifrequency correction;

Return to the screen form "Selection of mode" after the end of the measurement (Fig. 2)

Press the <u>Analysis of examination</u> button. Select the method of "ROFES-measurement" (generated diagram) in the screen form "Evaluation of examination". To do this, click key <u>Analysis</u> in window "ROFES-measurement" with the words "generated diagram".

The tab "Analysis of the state" will be opened, where you can see "Multi-level analysis of assessments", or integral values of the human adaptability.

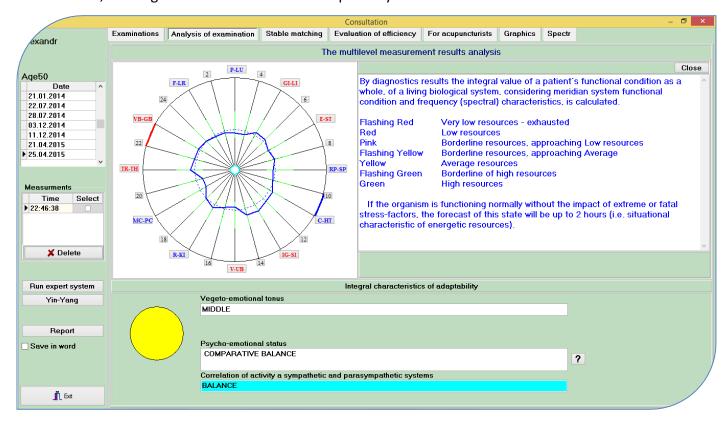


Fig. 47

Further analysis of the states in accordance with the results of the measurement is described in the corporeal method. Considering that the meridians of legs are not measured, the medical drug finding and parasitic disease testing are not possible in the express method.

Diagnostics and correction based on the point of "compliance" with the pain syndrome in Su-Jok and corporeal methods are described in detail in paragraph 8.3.

15. Method of VERTEBROLOGY

Proceeding to the analysis of the functional state of the vertebral spine, locomotor apparatus and visceral organs is conducted by pressing the Evaluation of examination button. In the opened form you should click on Analysis in window "Verte-examination"

Screen form "Measurement analysis" is opened. The functional state of the vertebral spine is presented in the color table "State of spinal bones" in accordance with the color scale of abnormality. Information content about each spinal bone is opened in the color scale by pressing the button to the right of the line.

Report preparation.

Tick the box M in the left column of the color table opposite the line where the color conforms to the maximum deviation from the norm - from green, that is: red, brown or blue, dark blue. In the table "Report" select "Clinic" or "Psychology", or just "Affirmations", depending on the purposes of consultation and press the Report button.

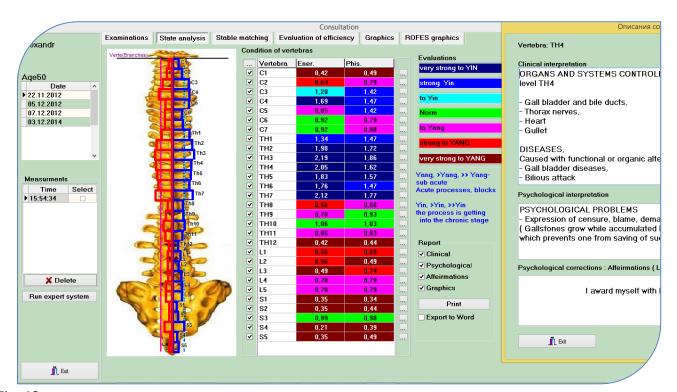


Fig. 48

16. Bio field diagnostics

(aura-diagnostics)

The construction of spatially oriented matrix for human organism structures.

"Aura" is a human bio field scheme which is built automatically after you have conducted two measurements: via Su Jok or Corporeal method + Vertebrology, with 20-minute interval. If the time interval is longer it may cause incorrect diagnostics results because of changes in body's energy characteristics.

In the "Bio field diagnostics" window, one should select the method of measurement (Rofescorporeal or Su Jok) in the "Measurement mode" table, by setting a point against this method $-\boxed{v}$. Then press "Aurogramma" key.

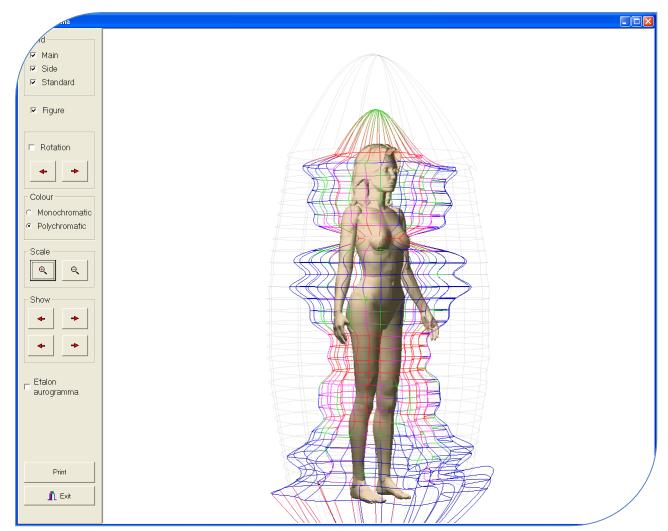


Figure 49.

Graphic portrayal of a human aura is a mathematical model which is calculated on the basis of Corporeal or Su Jok method plus Vertebrology diagnostics results. It allows:

- to visually assess the 3-D picture of a human organism bio field structure (aura intensity, its changes)
- to visually assess the energy characteristics of backbone functional status in order to determine the optimum correction treatment.
- To define the condition of body's organs and systems and psycho-emotional component. The Expert System launched after building the "Aura" calculates the organs and systems functional conditions assessments with high accuracy.

The "Aura" printing is carried out in the "Optional Foreshortening" (the slope angle can be chosen independently).

By the "Aura" diagnostics results a patient obtains:

- detailed analysis of organs and systems functional condition;
- detailed analysis of backbone and musculoskeletal (locomotor) system functional condition;
- analysis of psycho-emotional conditions from integral to differentiated;
- individual calculation of aroma prescription for aromatherapy;
- algorithms of effective therapeutic rules for puncture therapy;

To this end start the sequence of operations as in paragraph 5.

17. Compatibility testing according to the energy portraits of meridional system

Compatibility derivation is based on the analysis of the energy portraits congruence.

This function is started from the first screen form with the list of patients by pressing the Compatibility analysis button.

- 1. To perform the analysis it is necessary to tick the box \boxed{V} in column "Sel" opposite the names that will participate in the Compatibility analysis.
- 2. Press the button Select measurements
- 3. Selected names with dates of measurement will appear in the right table.
- 4. Tick the box V in column "Select" opposite the date of measurement required for the analysis.
- 5. Press button Compatibility analysis.

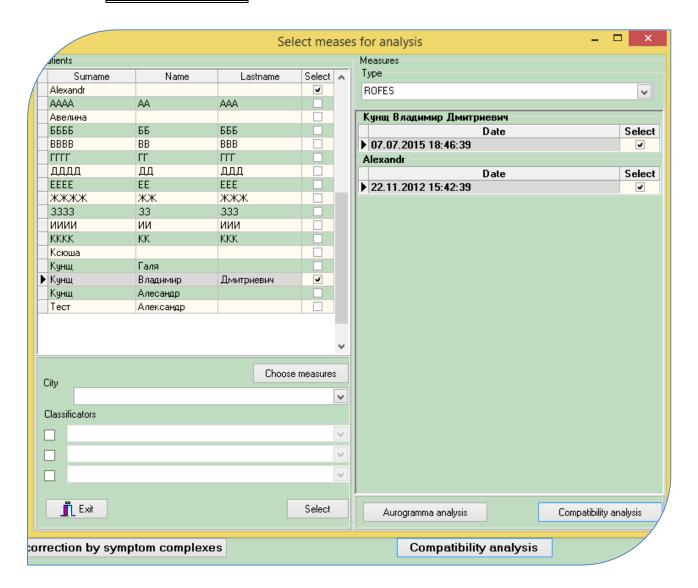


Fig. 50.

This function also allows identifying those persons with destructive or harmonizing effect on the test group.

All the information you can get by electronic communication facilities:

E-mail: kai@rofes.pro Internet: http://rofes.pro