

Brief user manual for the device

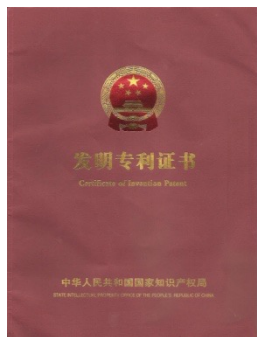
"Chimaster" 2023

Dr. Valery Muzhikov

We represent the company Med-Byte LLC, where for 30 years we have been producing devices for the diagnosis and correction of the body based on the Akabane thermopuncture test. Our diagnosis is based on the assessment of temperature pain sensitivity thresholds by heating certain diagnostic points on the tips of the fingers and toes with a special IR emitter until the first pain response appears. To do this, thermal impulses with a frequency of 1 Hertz are sent to the point with an assessment of the spent energy in Joules or counting the number of such impulses for the subsequent assessment of the body's bioenergetics. This device also allows for therapeutic correction by heating certain points with IR radiation, similar to Moxa using patented methods. The recipe for such an impact is calculated on the Smartphone based on test data using proven algorithms. The device Has all international CE. Diagnostic and correction methods are protected by several invention patents in Russia, China, Germany and India.



US Gold Medal for system development
Thermopuncture diabetes monitoring



Our history



1990



1993



1995



1996



1998



2000



2005



2012



2000



2010



CE

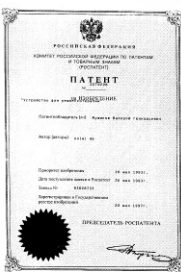
2014

21 patents



BUNDESREPUBLIK DEUTSCHLAND

URKUNDE
über die Erteilung des
Gebrauchsmusters
Nr. 207 20 0124

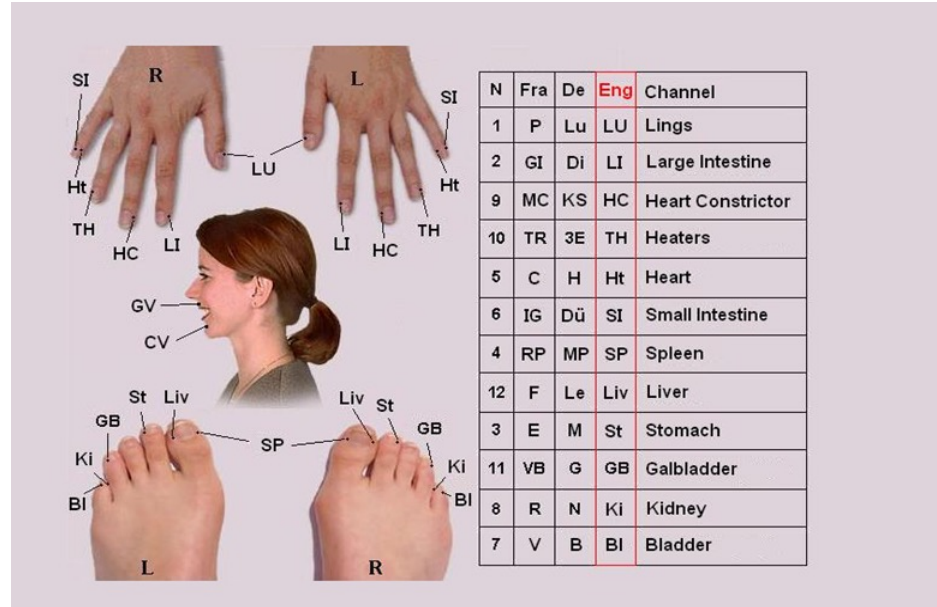


TGA
CERTIFICATE FOR INCLUSION OF A MEDICAL DEVICE



Das Patentamt des Deutschen Reichs
am 1. April 1914

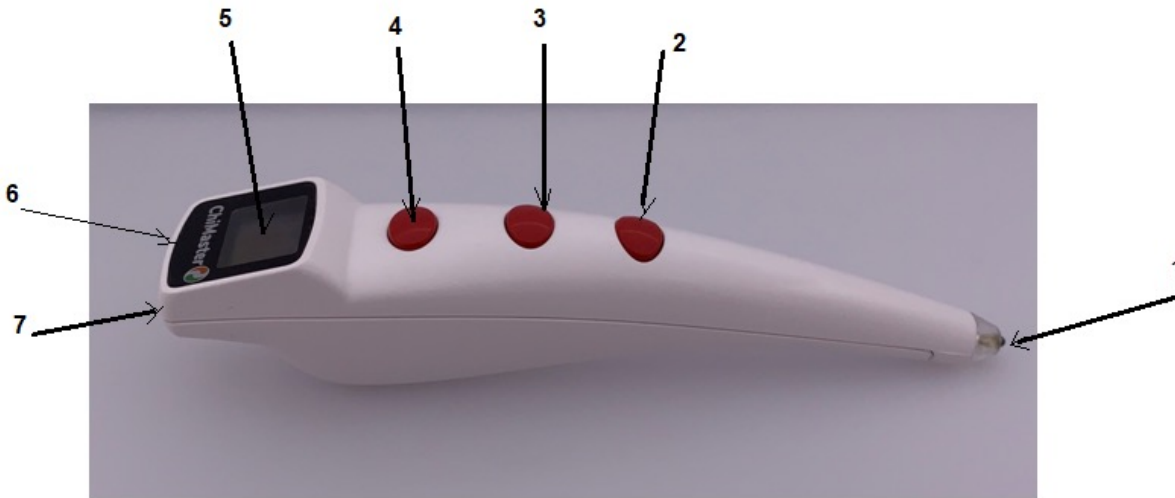
Akabane test and acupuncture channels



Connections of diagnostic points with organs

This test was known in ancient China under the name "Test with a sacrificial stick", but over time it was forgotten. In 1953, the Japanese doctor Koben Akabane described it again in 2 articles, and since then the test has been named after him. For its production, a lit sandalwood stick was taken, which was brought to certain diagnostic points in time with the pulse until the first pain sensations appeared. According to the number of such passes (thermal influences), the activity of acupuncture channels and related organs was evaluated. If the number of thermal impulses on a particular channel was greater than the average values for all channels, this indicates hypofunction and insufficient activity of the organ, proportional to their number (Excess Yin). If their number is less than the average values, then the organ is in hyperactivity (Excess Yang), for example, it is inflamed. Instead of a sandalwood stick, we began to use a special IR diode, which greatly simplified the design and increased the accuracy of measurements. From the point of view of modern physiology, this test evaluates the thresholds of thermal pain sensitivity, for example, in Joules (thermal algometry method). Therefore, this test is recognized by modern science, and the indicators themselves have high correlations with various physiological and biochemical indicators of the body, which is used for its integral assessment and monitoring.

General view of the device.



This device - "Chimaster" is our latest and most advanced development. It embodies a user-friendly design, miniature size due to advanced circuit technology, combined with high diagnostic and therapeutic capabilities in the field of TCM.

Location and purpose of controls and indications:

1-IR emitter; 5-screen; 6- USB connector for battery charging; 7-button Enable/Disable;
2-Button START \ STOP - provides start and interruption of commands and modes
3-Turn on the backlight; 4-Cancel- ensures that the last value is erased during the test.

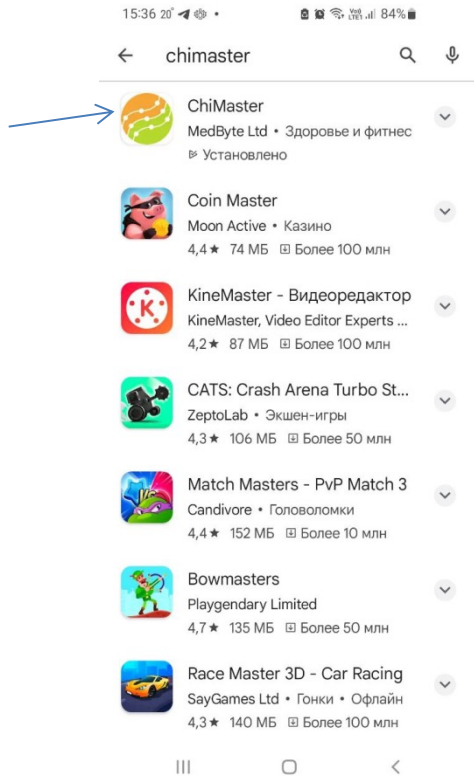
To turn on the device, press the ON button for 3 seconds. The screen should turn on.

If the battery is low, it is recommended to charge the device using a standard 5 volt phone or computer charger until the full battery icon on the display stops flashing.

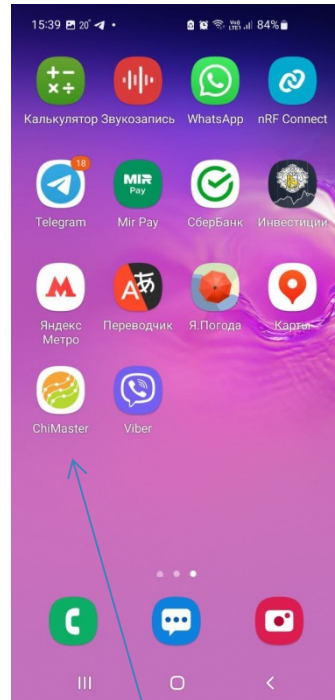
If you do not press the buttons on the switched on device for 5 minutes, it will turn off by itself!

The device works only in tandem with a Smartphone on Android version 4.3 and higher or iPhone version 6.0 and higher. To work with the device, the Chimaster program must be installed on the Smartphone.

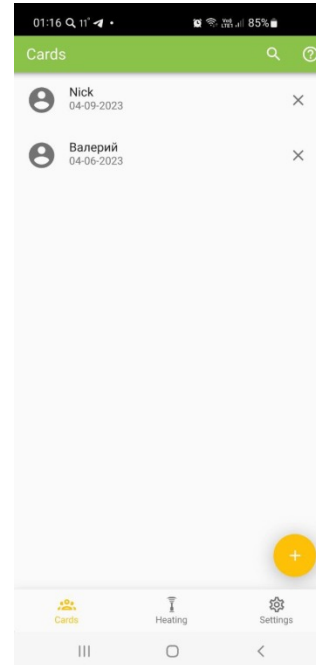
Program installation and patient registration



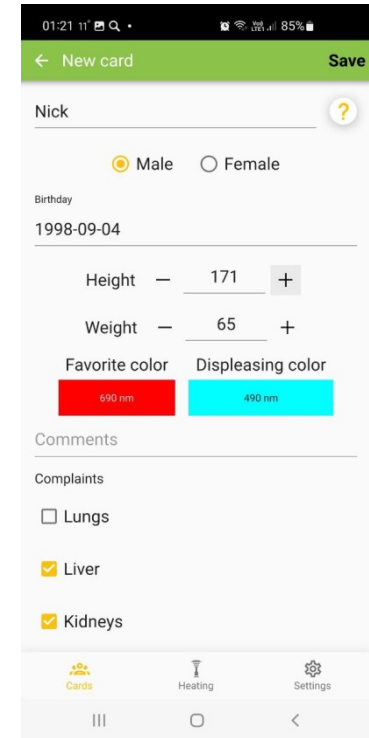
1) Select Chimaster software from Google Play or App Store



2) Install Smartphone software

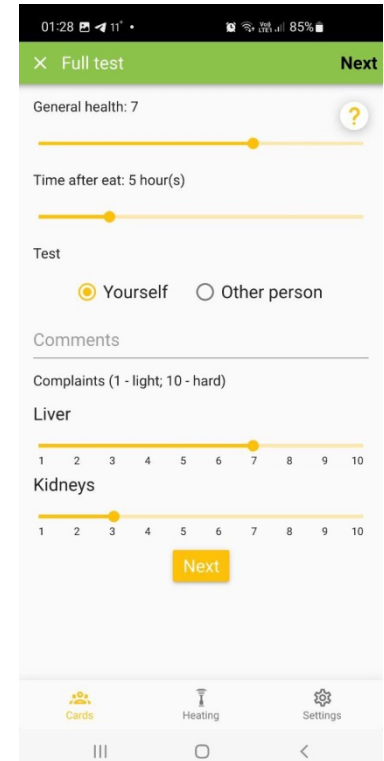
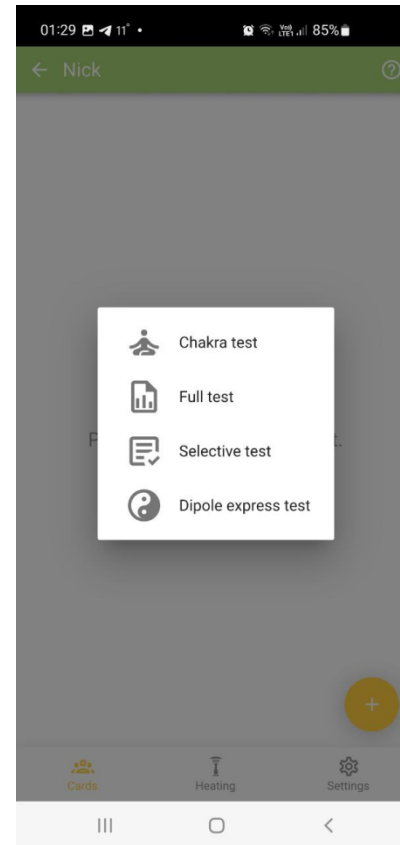
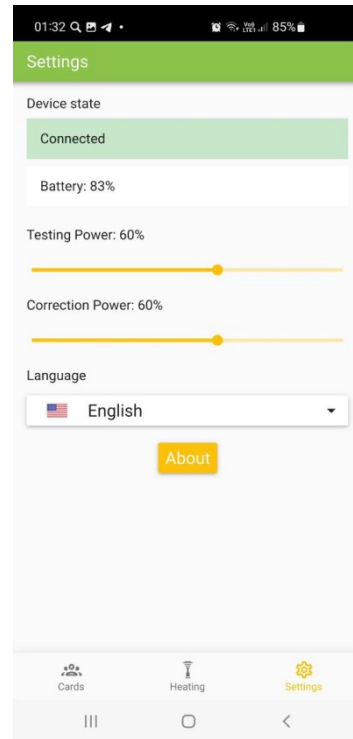
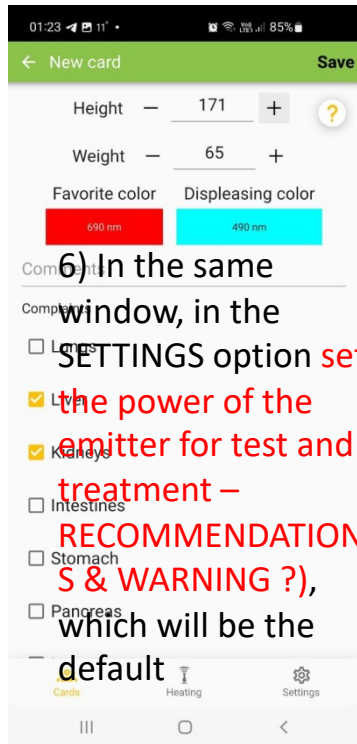


3) Create a card with patient data having previously included Device. At first, the instrument screen will flash Bluetooth icon. As soon as the connection with the Smartphone is established-The flashing will stop!



4) Enter basic Data. Here you can Also indicate your favorite and not my favorite color for Luscher test for further evaluation of channel links with psychosomatics

Program installation and patient registration



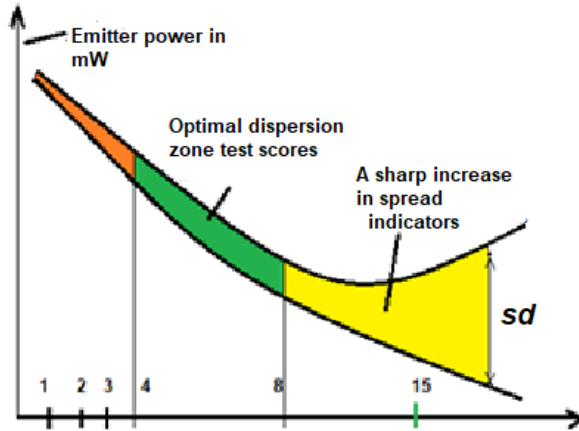
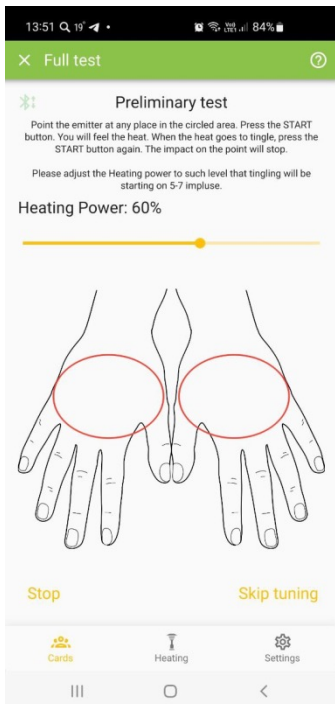
5) Based on patient complaints, select those systems that need to be monitored

6) In the same window, in the SETTINGS option set the power of the emitter for test and treatment, which will be the default. For testing, the optimal power is 60%, for treatment- 50%.


7) Select a patient and Click + "Add new test. Select for example, full test Akabane (24 points at 12 main channels).

8) Enter basic data at the moment evaluating the severity of symptoms from 1 to 10 points. These entries in the future will help to assess the relationship of complaints with specific channels that need to be treated

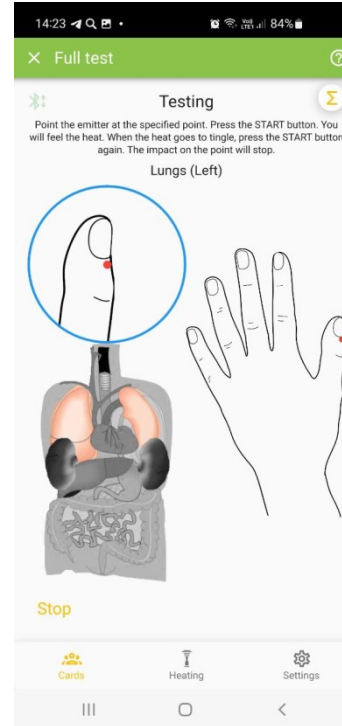
General test Akabane 12 channels



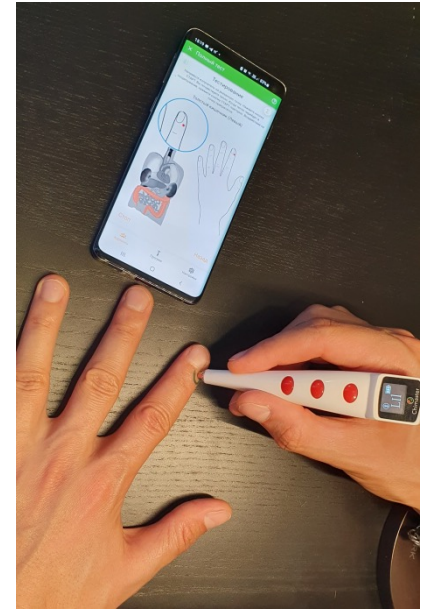
The number of impulses in the "Preliminary test" up to the pain

9) The "preliminary test" serves to adapt the patient to an unusual pain stimulus. Details about its details are set out in the tooltip under the  icon. When the test is executed, the instrument will display PR and the number of pulses for each sensitivity test. This test is recommended to be performed at least 2 times on both hands. At the same time, you adjust the power of the emitter so that the pain reaction is on average at the level of 4-8 impulses.

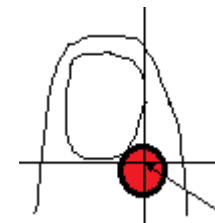
10) Data scatter plot ($M+_m$), when choosing the optimal emitter power. The higher the thermal energy momentum - the smaller the spread data but dynamic range and information content tests from this are reduced. Conversely, at low power pain response threshold blurred because no clear sensation of pain response. Therefore, the optimum power during the trial test, 4-8 impulses to painful response for each patient.



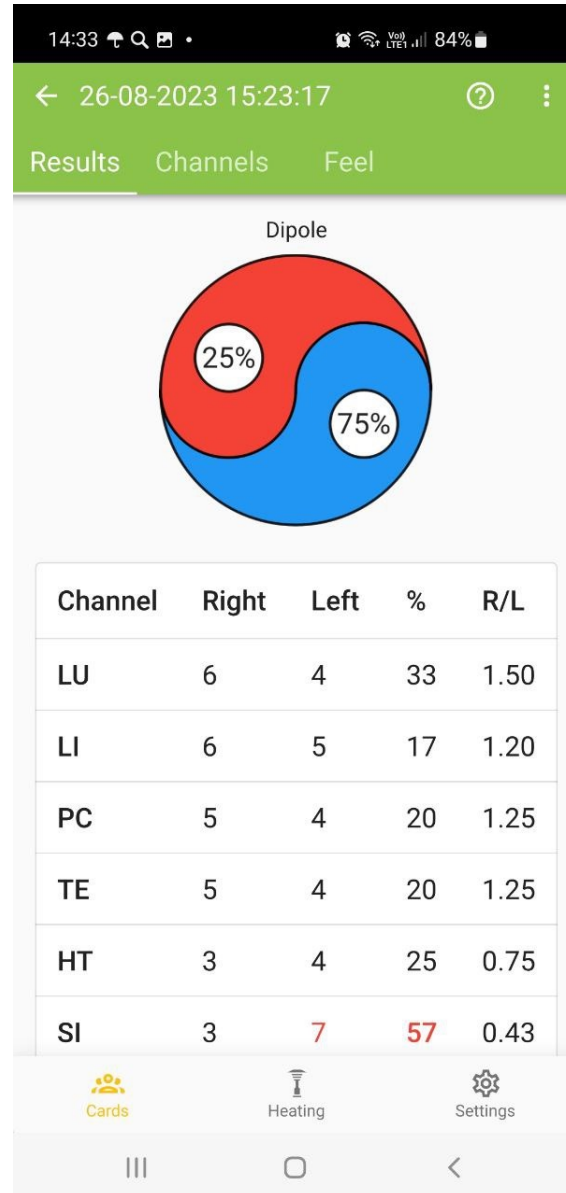
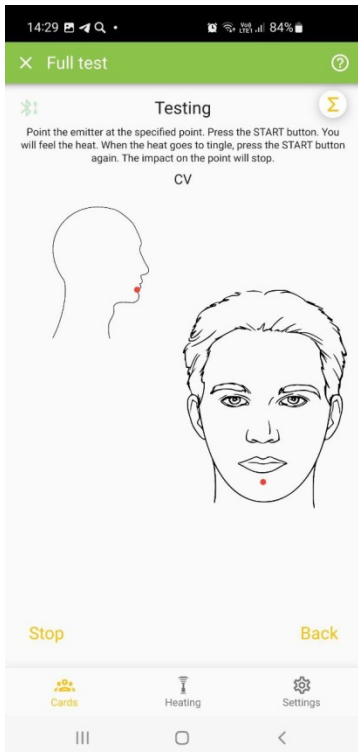
11) The test begins with the lung channel and so on in order to the right and left at the indicated points. Channel designations will be duplicated on the device screen. If some measurement is unsuccessful, it can be done again "Back". The test results in the table can be viewed immediately under the Σ icon, and the description of the channels under ?



12) Important during the test to hand with the device had a support, and the axis emitter was directed in the center of the finger, perpendicular to the surface of the skin. Spot on the skin for emitter installation may be within a 5 mm zone. If the test fails, it can be changed by moving emitter nearby.



General test Akabane 12 channels

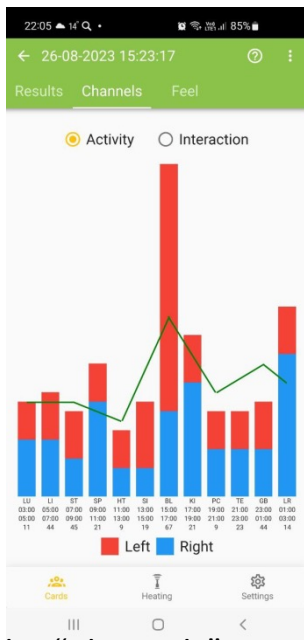


14) After the entire test is completed, a new window will appear with the test results. If you have done only part of the test, then the results can be viewed by clicking on the icon Σ

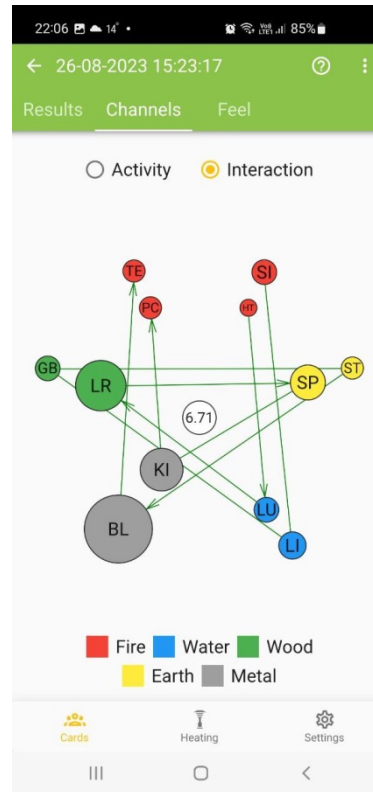
According to the test results, channels with an asymmetry of more than 40% are highlighted. Red indicates the indicators on the side of the channel - which needs stimulation. At the bottom of the table, the % of the sum of all indicators of the right and left branches of the channels will be indicated. Normally, with a normal physique, if there are no pronounced disorders in the body, the sum of all right channels in% will be 51-52% - which reflects the accumulation of energy in the right branches of the channels. The sum in % for the left branches reflects energy consumption at the level of individual organs and physiological systems.

15) This table will show the activity of the Yang and Yin poles in the Main Energy Dipole, which reflects the overall energy balance of the body. Normally, it corresponds to the proportion of the "golden section" = 1.62, which in % corresponds to 38% Yang and 62% Yin and reflects the harmony of physical and emotional activity. This state of the dipole is most adequate for the age of 30-60 years. Yin is more pronounced in young people and this reflects a greater supply of potential energy. In old age, Yang begins to predominate and the dipole approaches 50/50%. With the onset of such balance and symmetry, life begins to fade. **Living systems are asymmetric!**

13) We entered into this test 2 additional channels CV and GV who collect and redistribute all the energy in the body. Their assessment is especially important with diabetes and various metabolic disorders. Under the ? you can find out the function of each the channel you are testing

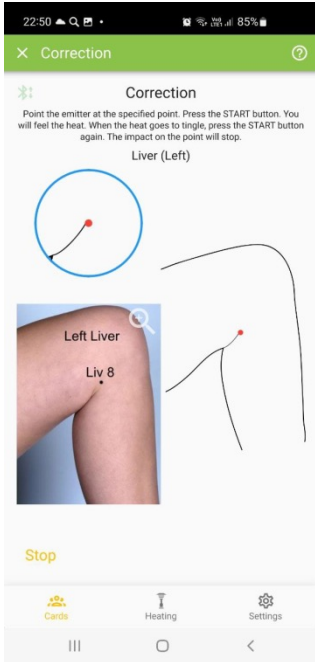


«Full test» results by channel



17) Another graph shows the Interaction between the channels, taking into account their position in the system of 5 elements. In this case, the activity of each channel is displayed as a circle, the size of which will be proportional to the test indicators. Each channel has a counterbalance along the Star through the braking links between the primary elements. Therefore, the charts usually show how channels with a large Yin potential ricochet off others, for example, the channels of the primary element "Fire", the potential of which is under the impact of "Water". As a result, their performance decreases with the predominance of the Yang factor. This map provides a great opportunity to assess the overall imbalance and identify its root cause. Thus, taking into account real interactions, it is possible to carry out better treatment by weakening or stimulating other channels, taking into account their inhibitory or creative connections. Thus, it is possible to create additional support for the diseased organ, taking into account the rules of "Mother-Son".

16) In the "Channels" option, a beam diagram is built based on the activity of the channels, displaying the activity for the right and left branches and for the channel as a whole. At the same time, approximate contours of the age norm calculated on the basis of the data of the basic Registration sheet of the card are shown. In general, the activity of a channel depends on the number of points on it. Normally, especially in young people, the diagrams should have three humps can be traced with peaks on the channels of the bladder BL, stomach -ST and gallbladder -GB, on which the maximum number of points that accumulate energy in the channel. With age, the points "close" and the graph flattens. In the presence of pathology, atypical emissions are observed

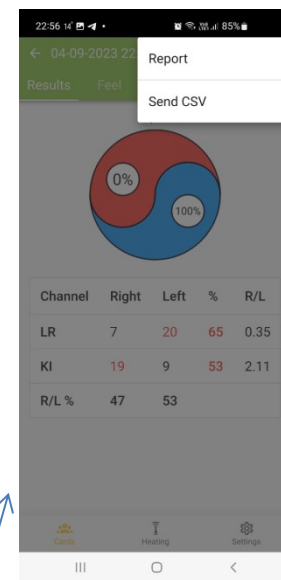
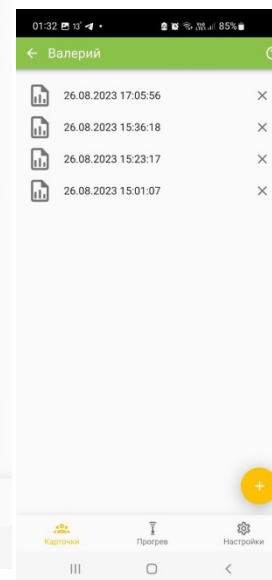


18) At the top of the data table there will be an announcement "Make correction". If you click on this ad, the 3 channels with the most asymmetry will be selected if it exceeds 40%. Channel correction is always carried out on the branch with high indicators, which reflects its functional insufficiency and "emptiness" with an excess of Yin.

Therapeutic correction of channels.



19) If you click on a photo with a cross on the diagram, its enlarged image and description will be shown.



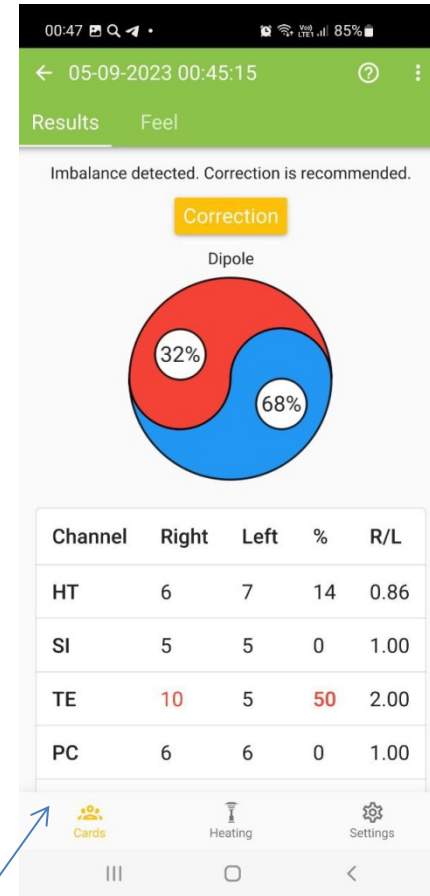
Treatment is carried out in the feedback function "on demand of the channel" and the organ or system associated with it. The impact is always carried out by IR radiation modulated at a frequency of 28 Hz through 2 points (Lo and the "Previous element") on this branch of the channel until a sharp pain response occurs at the point. With an exposure power of 30-50%, such a sensation usually occurs after 1-2 minutes, depending on the test indicators (the higher the indicators, the more cold Yin energy in the channel and the more Yang energy is required to warm it up. **Warning! The maximum duration of such exposure at a power of 50% should not exceed 3 minutes!** It is better to repeat it after the control test after 30-40 minutes. Usually this situation occurs with severe pathology with organic changes that cannot be eliminated at once.

20) After the test, all information is stored in a personal card by date and time. In the upper right corner, by clicking on the "connection" icon, you can send the test results, for example, to E-mail and then print them. Also, these data can be entered manually into the «Energoskop» program, which is freely available on the site for mathematical processing. We also plan to launch such processing on the server. When viewing the test results - if you select "Health" - you can compare them with the results of the "Current Questionnaire" and analyze the changes in the test depending on the initial assessment of the state

Selective test, Dipole-express test.

21) **Selective test.** Such a test is used to save time only for those channels that need constant monitoring. These channels appear in the list by default based on the analysis of complaints in the registration sheet. At the same time, if you are worried, for example, by the liver and hypertension, then first in the current questionnaire (5) you must indicate in points the severity of pathological symptoms for each disease, so that later, through this assessment, build a mathematical model of the relationship of the disease with specific channels. The list of current channels can be edited. This Test also starts with a Pre-Test (9) to properly tune in to the feeling of the temperature threshold. Then there are points for testing on previously selected channels. After the test, a table with the results appears. The dipole (15) is not calculated in this test. Those channel branches that need correction are also highlighted in red and a standard correction is performed.

23) The main principle - "Test - treatment – control test». The most optimal way to work with the device is to first make a test, build an individual pathology model based on it, then conduct a trial treatment, and after a 30-40 minute break, conduct a control test to evaluate the effectiveness of this treatment. Thus, according to the response of the body during the control, the correctness of your judgments and treatment strategies regarding a particular patient can be checked. A break after exposure for a new test is necessary so that during this time there is a redistribution of energy in the body.

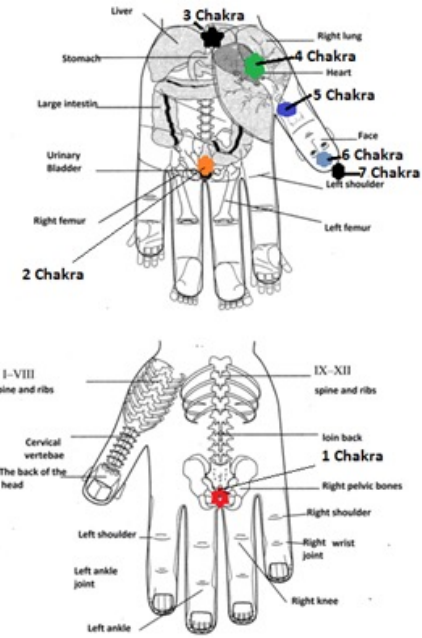


22) **Dipole Express Test** conducted to quantify the Yin/Yang Energy Dipole. Initially followed by a standard status questionnaire and a pre-test. Next, a selective test is carried out along the channels of the primary element of Fire (PC, TE, HT, SI), and Water (BL, KI). Their ratio is calculated in %, which can be viewed and corrected in case of asymmetry in these channels for a better dipole balance.

Chakra test, pain treatment.

24) **Chakra test** - activity control of 7 Chakras + 2 additional channels (CV, GV). Chakras can be quantified by the potential of their activity on the palms, taking into account their topography in the Su-Jok system. The evaluation of the Chakras in this way is more simple and is used mainly by those who practice yoga, meditation, etc. for example. Thus, it is possible to evaluate the effect of these procedures on the body, especially in the dynamics of observation. In case of asymmetry of the right and left structures of the chakra, it is corrected by standard heating until a pain response occurs at the correspondence point. The test begins as standard with filling out a questionnaire, which subsequently gives an assessment of the connections of the Chakras with specific problems in the body.

This is followed by a "Preliminary Test" to adapt the perception of the pain response. The test itself begins with the first Chakra on the back of the hand, where a standard measurement is made and further in order. The test ends with testing the CV/GV points for a better understanding of the energy flow in the body (for details, see the book). The test results can be viewed in the table indicating the points in the projection of those Chakras that need correction in the presence of pronounced asymmetry. Correction is carried out as standard, by acting on this zone until a pain response appears at the point. A control test based on the results of the correction can be done in 15-20 minutes



01:16 85% 05-09-2023 01:14:03

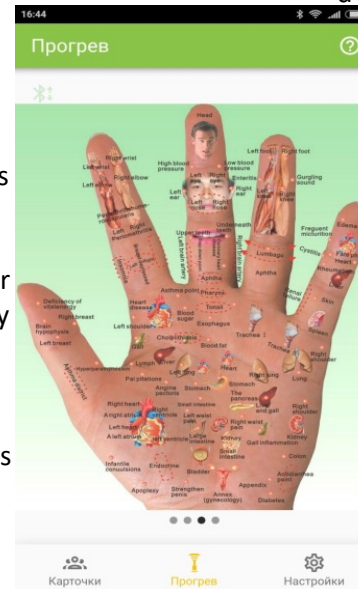
Results Feel

Imbalance detected. Correction is recommended.

Correction

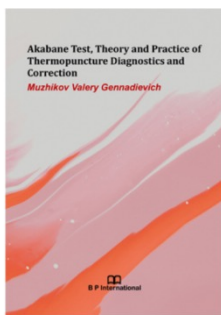
Chakra	Right	Left	%	R/L
Muladhara	4	6	33	0.67
Swadhistana	6	5	17	1.20
Manipura	4	5	20	0.80
Anahata	5	3	40	1.67
Vishuddha	8	7	13	1.14
Ajna	12	8	33	1.50
Sahasrara	14	10	29	1.40
CV/GV	4	5	20	0.80
R/L %	54	46		

Cards Heating Settings



25) **Warming up painful areas.** In this option, the Su-Jok principle is again implemented in the representation of various organs and parts of the body on the hands. After clicking on the Warming up icon at the bottom of the screen from the Main Menu, you can view several pictures that display the topic on the hand of various organs and bones of the skeleton. If, for example, your knee hurts, then first we find its projection on the palm map. Then, in this zone, with the tip of a pencil, we find a sharply painful zone, which we begin to warm up, moving the emitter in a circle in this zone until a clinical result appears ..

At the same time, we evaluate changes in the pain syndrome. If the pain increases, we do a similar effect on the other hand to balance the Yang syndrome. In this way, pain can be stopped, for example, from the abdominal organs, lungs and heart. However, to assess the cause of such pain and more rational treatment, it is necessary to do a complete test through the channels. A more detailed map of relationships allows you to relieve pain, for example, with tonsillitis, runny nose, toothache, etc.



Наши последние публикации по использованию прибора

Новая книга по тесту Акабана-2022г

<https://www.bookpi.org/bookstore/product/akabane-test-theory-and-practice-of-thermopuncture-diagnostics-and-correction/>

Последние международные публикации в рецензируемых научных журналах:

52. Muzhikov, V.; Vershinina, E.; Belenky, V.; Muzhikov, R. Significant Heat Sensitivity Increase Detected in Various Types of Diabetes Mellitus Patients by Akabane Test for Use of Management of Diabetic Patients 1. *Acupuncture and Electro-Therapeutics Research*. Vol. 41, pp 1 – 19, 2016. <https://yadi.sk/d/OE8pHr1preA>
53. Muzhikov, V.; Vershinina, E.; Belenky, V.; Muzhikov, R. Comparative Assessment of the Heart's Functioning by Using the Akabane Test and Classical Methods of Instrumental Examination *Journal of Acupuncture and Meridian Studies*, 10 (2017) pp. 171-179. <https://doi.org/10.1016/j.jams.2017.01.005>
54. Valery Muzhikov^{1*}, Elena Vershinina², Ruslan Muzhikov³ System of Thermopuncture Diagnostics and Monitoring of Patients with Type 1 Diabetes. *J Altern Complement Integr Med* 2017, 3: pp.2-7 DOI: [10.24966/ACIM-7562/100036](https://doi.org/10.24966/ACIM-7562/100036)
55. Valery Muzhikov, Elena Vershinina. Possibilities of the Akabane test for monitoring and correcting diabetic patients. *J Diabetes Metab* 2017, 8:11 (Suppl) 25th Global Diabetes Summit and Medicare Expo, December 04-05, 2017 Dubai, UAE. DOI: 10.4172/2155-6156-C1-075. (<https://www.omicsonline.org/conference-proceedings/2155-6156-C1-075-014.pdf>)
56. Valery Muzhikov^{a,1}, Elena Vershinina^{b,1}, Vadim Belenky^{c,2}, Ruslan Muzhikov^{d,3} Assessing the links between anthropometrics data and Akabane test results. *Journal of Acupuncture and Meridian Studies*. February 2018 Volume 11, Issue 1, Pages 31–38. DOI: <https://doi.org/10.1016/j.jams.2018.01.001>
57. Valery Muzhikov^{1*}, Elena Vershinina² and Ruslan Muzhikov³. Opportunities of the Akabane Test for Diagnosis and Monitoring of Patients with Type 2 Diabetes. *Journal of Diabetes and Metabolism*, 2018, 9:2 DOI: 10.4172/2155-6156.1000785
58. Valery Muzhikov, Elena Vershinina, Ruslan Muzhikov, Kirill Nikitin. Thermopuncture for the diagnosis, monitoring, and treatment of patients with type 2 diabetes. *Journal of Acupuncture and Meridian Studies* (2018), doi: 10.1016/j.jams.2018.05.004; [https://www.jams-kpi.com/article/S2005-2901\(17\)30232-7/fulltext](https://www.jams-kpi.com/article/S2005-2901(17)30232-7/fulltext)
59. Valery Muzhikov, Elena Vershinina, Ruslan Muzhikov, Kirill Nikitin. [Structure of Interchannel and Five Primary Elements Connections According to the Test of Akabane](https://doi.org/10.11648/j.ijcm.20180203.12) *International Journal of Chinese Medicine* Volume 2, Issue 3, September 2018, Pages: 18-29 DOI: [10.11648/j.ijcm.20180203.12](https://doi.org/10.11648/j.ijcm.20180203.12) <http://www.sciencepublishinggroup.com/journal/paperinfo?journalid=283&doi=10.11648/j.ijcm.20180203.12>

Наши последние публикации по использованию прибора

Последние международные публикации в рецензируемых научных журналах:

60. Valery Muzhikov*, Elena Vershinina, Ruslan Muzhikov and Kirill Nikitin. [THE METHOD OF INDIVIDUAL ASSESSMENT OF THE ACTION OF INSULIN AND ITS ADEQUATE DOSE IN DIABETES MELLITUS](#) World Journal of Pharmaceutical Research. (WJPR). Volume 8, Issue 7, 176-205. Research Article I
61. Valery Muzhikov*, Elena Vershinina, Ruslan Muzhikov. Possibilities of the Akabane Test and Cosinor Analysis to Predict the Level of Glycemia and the Individual Selection of Drugs and their Doses in the Treatment of Diabetes. Biomedical Journal of Scientific & Technical Research. (BJSTR). .-2020; 29(3): 22502-22509 DOI: 10.26717/BJSTR.2020.29.004814 PDF: <https://biomedres.us/pdfs/BJSTR.MS.ID.004814.pdf>
62. Valery Muzhikov, Ruslan Muzhikov Possibilities of the Akabane Test and TCM Principles for Monitoring Patients with Sick Sinus Syndrome. Journal of Integrative Cardiology Open Access Volume 3(6): 2-9. doi: [10.31487/j.JICOA.2020.06.03](https://doi.org/10.31487/j.JICOA.2020.06.03)
63. Valery Muzhikov*, Elena Vershinina, Ruslan Muzhikov. Possibilities of The Akabane Test to Monitor Excess Body Mass Index and Control Its Transformation into Type 2 Diabetes. Biomedical Journal of Scientific & Technical Research (BJSTR). Volume 33-Issue 3. DOI: 10.26717/BJSTR.2021.33.005406. <https://biomedres.us/pdfs/BJSTR.MS.ID.005406.pdf>
64. Valery Muzhikov*, Elena Vershinina, Ruslan Muzhikov. Principles of Individual Quantitative Assessment of the Effect of Drugs in Diabetes According to the Akabane Test. Int. J. Pharmacogn & Chinese Med. 2021, 5(1): 000213. Published Date: March 01, 2021 DOI: 10.23880/ipcm-16000212 <https://medwinpublishers.com/IPCM/principles-of-individual-quantitative-assessment-of-the-effect-of-drugs-in-diabetes-according-to-the-akabane-test.pdf>
65. Valery Muzhikov. Express system for individual monitoring of the action of drugs based on an assessment of the violation of symmetry in the body. Conference report. <https://disk.yandex.ru/i/Ocvf3uwhMiCrhA> 10th Edition of International Conference on World Pharmaceutical Sciences & Drug Delivery (World pharma 2021, London, August 26).
66. Valery Muzhikov*, Using the Akabane test for an individual assessment of the effect of drugs on the body. **"4th International Conference on Traditional Medicine, Phytochemistry and Medicinal Plants** (Online Meeting), scheduled for February 08, 2022