

Effects of prayer and forgiveness on the human biofield

The following research was conducted using a device called Bio-Well. It is an advanced electrophotonic imaging device that is based on a principle known as "Kirlian effect". It is understood as a visual or instrumental observation of the glow of a gas discharge that appears near the surface of the object under study when it is placed in an electric field of high intensity. Therefore, scientific terms are gas-discharge visualization or bioelectrography. The subject puts a finger between the two electrodes. One of the electrodes is flat, and photographic paper is placed on it. An alternating high-frequency high voltage is supplied at electrodes. The finger near the flat electrode begins to glow with a violet blue glow, which is fixed on the photo paper. The subject almost does not feel anything during discharge, since the current of high frequency, due to the skin effect, flows over the surface of the finger. The glow of a person's finger is analysed using computer vision and machine learning. The type of gas discharge images changes with a change in the human health status. The energy status of a person influences the spectrum of glow. Gas discharge images of the fingers of a person allow us to assess the general level of its physiological activity. The intensity of the discharge glow and its area, as well as its fractal properties, are usually estimated in diagnostics and research of human biofield.



Fig.1 Bio-well.

Area - Amount of light quanta generated by the subject in computer units - pixels. **Area (C)** - ratio of Area or BIO-gram glow to the Area of glow of calibration cylinder (for sector or whole image). **Normalized area** - the ratio of BIO-gram area to the area of the inner oval. **Intensity** - Averaged Energy of light emission in computer units. **Inner noise** - Amount of light in the inner contour of the BIO-gram – characteristic of the organism activity. **Energy** - Energy of light in 10^{-2} Joules. **Energy (C)** - energy corrected to sectors angular size. **EC (Entropy coefficient)** - the ratio of BIO-gram external contour to the internal contour. **FC (Form Coefficient)** - is calculated according to the formula: $FC = aL^2/S$, where L is the length of the BIO-gram external contour and S is the BIO-gram area.

Norms of the calculated parameters for sector or whole image.

Value	Area (C)	Energy (C)
Very low	$-3 \div -2$	$0 \div 2$
Low	$-2 \div -1$	$2 \div 4$
Optimal	$-1 \div 1$	$4 \div 6$
Hightened	$1 \div 2$	$6 \div 8$
High	$2 \div 3$	$8 \div 10$

Fig.2 Parameters for analysing the Bioelectrograms.

Effects of prayer and forgiveness on the human biofield.

- A small test has been conducted with analysis of a personal energetic homeostasis by measuring energy fields using an advanced Electro-Photonic Imaging camera (EPI/GDV) to measure the subtle changes in the vitality of the human biofield after listening to the forgiveness prayer for 5mins.
- The results show in the baseline there is low energy flow in the respiratory system ($3.77/5 \times 10^{-2}$ joules) and immune system has optimum energy ($4.31/5 \times 10^{-2}$ joules). The emotional stress levels were high (2.43/2.5).
- After listening to the forgiveness prayer for 5mins the energy flow in the respiratory system and immune system was elevated to their highest optimal level ($4.66/5 \times 10^{-2}$ joules) and ($4.36/5 \times 10^{-2}$ joules) respectively. The stress levels had a slight reduction as well. (2.33/2.5)

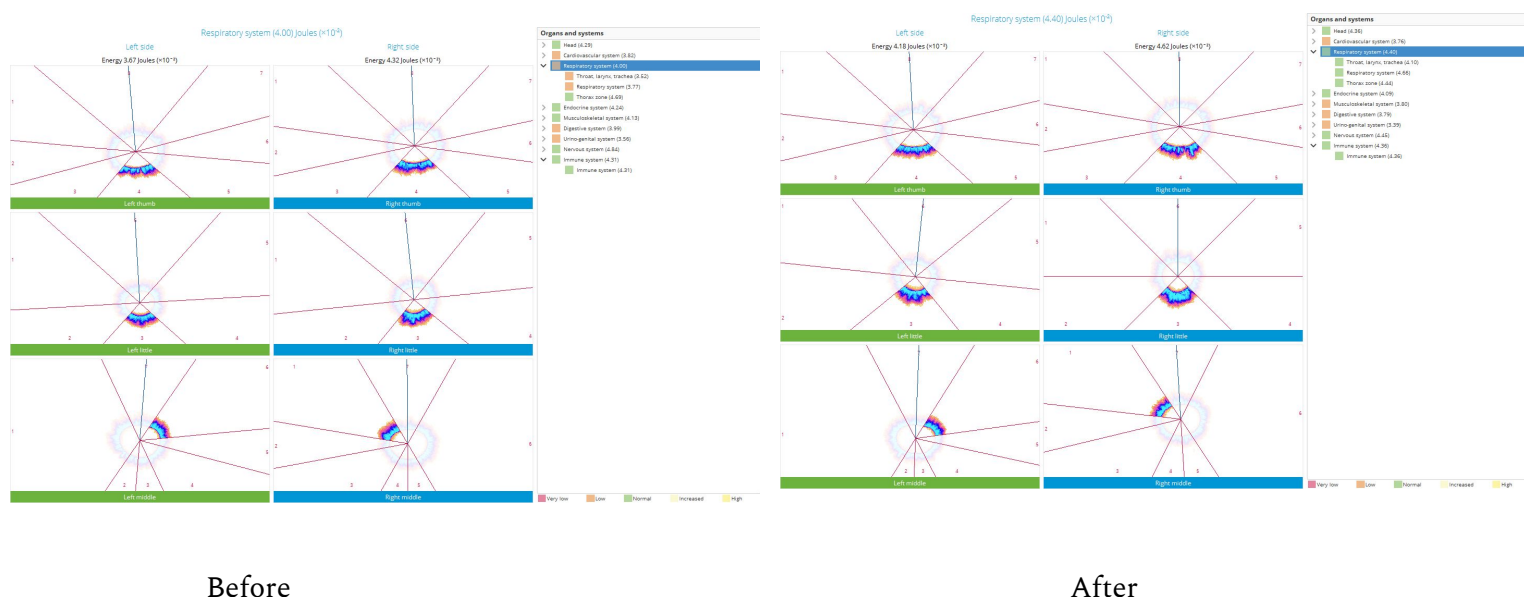


Fig 3. Comparison of the Bioelectrograms.

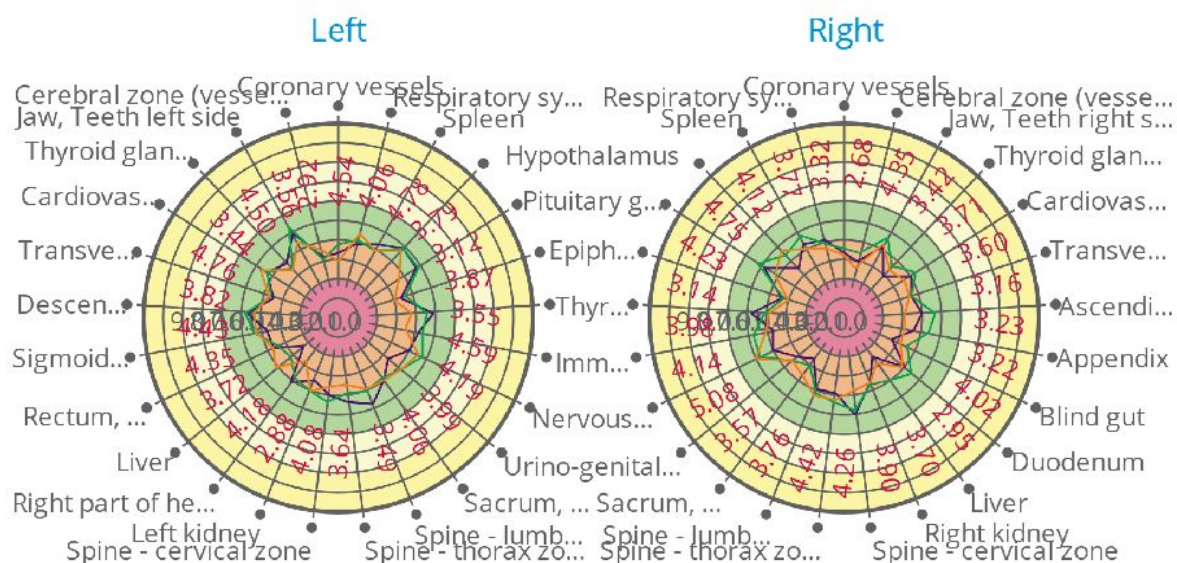
Effects of sahaj shuddhi prayer on the human biofield.

- The Bioelectrograms were recorded as a baseline and the subject started listening to sahaj shuddhi prayer and entered into a meditative state.
- The second test was conducted after listening to the sahaj shuddhi prayer for 30mins. It was observed that the energy in the immune system was lower than optimal in the

baseline ($3.84/5 \times 10^{-2}$ joules) which improved to optimal state ($4.06/5 \times 10^{-2}$ joules) after 30 minutes.

- A third test was performed after 30 minutes from the second test to observe the energetic trend. It was observed that the energy in the immune system has further increased to the highest optimal ($4.66/5 \times 10^{-2}$ joules). The overall rating of the combined bioelectrographic baseline test was 95% and it was improved to 98% in the third test.
- The overall vitality of the energy field also increased from 37% in the baseline to 52% in the final test.
- It can be concluded that listening to the sahaj shuddhi prayer has positive effects on improving the state of coherence in the human biofield and thereby benefiting the mental health and physical health.

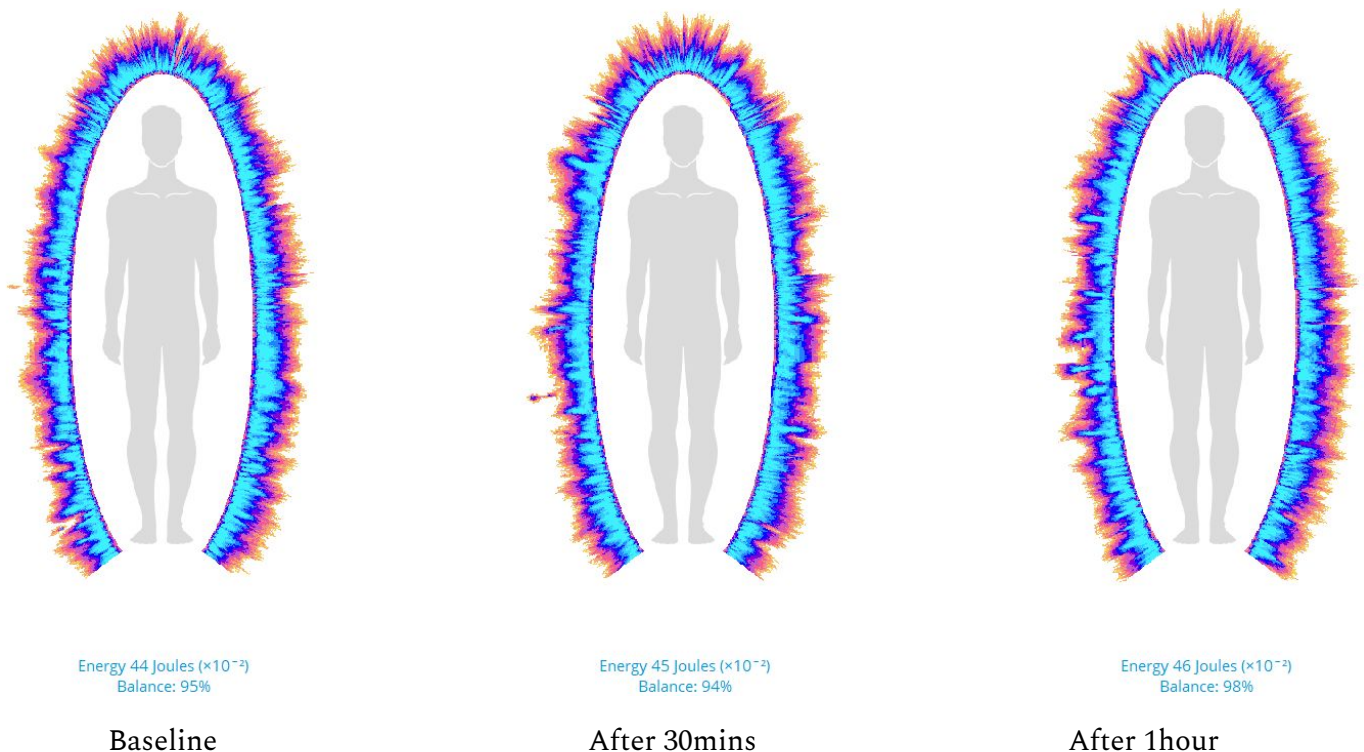
Energy diagram



Color	Name	Energy diagram
Orange	Baseline	37%
Purple	After 30mins	41%
Green	After 1 hour	52%

The Energy diagram is designed for analysis of the functional state of the human body, by calculating the Energy parameter of the particular sector (energy of the glow). "Energy reserve" parameter (experimental) reflects energy reserve at the cellular level. Overlaying of the Area diagram (measured in Relative units) on top of the Energy diagram has no physical meaning, but intended for relative comparison of two graphs.

Fig 4. Comparison of energy reserve scores.



References

Alexandrova, R., Fedoseev, G., & Korotkov, K. (2004). Analysis of the Bioelectrograms of Bronchial Asthma Patients, 75–82.

B. Williams, “How does gas discharge visualization technique assess a body? Emerging models of energy and control in biophysics and physiology,” in Proceedings of the 18th IEEE Symposium on Computer-Based Medical Systems, pp. 446–448, Saint Petersburg, Russia, June 2005

Korotkov KG, Matravers P, Orlov DV, Williams BO. Application of electro photon capture (EPC) analysis based on gas discharge visualization (GDV) technique in medicine: A systematic review. J Altern Complement Med 2010;16:13-25.13.

Korotkov KG. Human Energy Field: Study with GDV Bioelectrography. Fair Lawn, NJ: Backbone Publishing Co.; 2002.14.

Cohly H, Kostyuk, Isokpehi R, Rajnarayanan. Bioelectrographic method of preventive healthcare. In: First Annual ORNL Biomedical Science and Engineering Conference; 2009. p. 1-4.

Lutz A, Greischar LL, Rawlings NB, Ricard M, Davidson RJ. Long-term meditators self-induce high-amplitude gamma synchrony during mental practice. *Proc Natl Acad Sci U S A* 2004 101:16369-73.

E. V. Krizhanovskyy, S. A. Korotkina, and K. G. Korotkov, "Role of the human central nervous system in the formation of the glow of the skin in high intensity electromagnetic field," in *Proceedings of the IXth Annual International Congress "Science, Information, Spirit"*, Saint Petersburg, Russia, July 2005.

K. Priyadarsini, P. Thangam, and S. Gunasekaran, "Kirlian Images in Medical Diagnosis: A Survey." in *International Conference on Simulations in Computing Nexus, ICSCN*, 2014, pp. 5-7.

I. Ignatov, O. Mosin, and C. Stoyanov, "Fields in Electromagnetic Spectrum Emitted from the Human Body. Applications in Medicine." *Journal of Health, Medicine and Nursing*, vol. 7, pp. 1-23, 2014.