# Review of EPI papers on medicine and psychophysiology published in 2008-2018

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Review Article





# Review of EPI papers on medicine and psychophysiology published in 2008-2018

#### **Abstract**

**Objectives:** The objective of this study was to evaluate the scale and scope of implementing Electrophotonic Imaging (EPI) analysis based on gas discharge visualization (GDV) technique in diverse medical applications and psychophysiology; to identify the range of applications in medicine; and to show in which areas the procedure can be useful to health professionals.

Design: The design of the study is a systematic review.

**Methods:** The database included articles published in peer-reviewed journals and proceedings of the international scientific congresses. Search restrictions were human subjects, English or Russian language, and publication date from 2008 to 2018. All studies were evaluated using Scottish Intercollegiate Guidelines Network.

**Results:** The search yielded 74 articles addressing medical and psychophysiologic applications of EPC/GDV technology. Among them were 13 SRR, 19 RCT, 23 cohort studies and 19 case reports or case series.

Conclusions: The EPI/GDV software and equipment is a convenient and easy-to-use, which allows examination of patients with various pathologies and, therefore, offers a wide range of applications. The investigations showed that the GDV method delivers valuable diagnostic information on the functional state of patients, allows their state to be monitored, and constitutes a convenient and easy method for conducting preventive examinations of individuals and control in various areas of application. No negative or undesirable characteristics identified for the EPI/GDV method in all reviewed articles was found. Also, there were no contraindications to application of the EPI/GDV technique.

**Keywords:** electrophotonic imaging, gas discharge visualization, medicine, psychophysiology, clinical study, review

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#### Introduction

The Electrophotonic Imaging or Gas Discharge Visualization technology (EPI/GDV) is based on computer image analysis of photons, emitted by a subject in strong impulse electromagnetic field. Several companies in different countries produce various types of devices based on GDV technology, the latest being Bio-Well camera (www.bio-well.com). This instrument is being used in a wide range of scientific and practical applications in more than 65 countries. Bio-Well camera has CE, EU and FDA certifications. In 2010 we published review of papers on application of GDV/EPI technology in medicine and psychophysiology published before 2007.

EPI/GDV technique have found a wide range of applications first of all in medical practice, both conventional and complementary; in analyzing sport activity; research on water and materials; etc.<sup>2,3</sup> More than 2000 professionals are using EPI/GDV instruments on 65 countries. A lot of books in different languages may be found at www. Amazon.com. In this paper we review articles dedicated to clinical and psychophysiological studies published in 2008-2018.

#### **Methods**

## **Article selection**

The literature search yielded 98 papers published in peer-reviewed journals, and proceedings of scientific conferences. In all these papers GDV technique was being used in clinical and psychophysiologic

investigations. Some papers were presented at the international conference called "Science, Information, Spirit," held in Saint-Petersburg, Russia, under the guidance of the International Union of Medical and Applied Bioelectrography (IUMAB). Applying the exclusion criteria listed below reduced this amount to 74 papers. 11847 people participated in the research.

Search restrictions were human subjects and articles presenting original data or an analysis of original data related to medicine and psychophysiology.

#### **Evaluation procedures**

Papers have been classified as follows:4

- a. Randomized controlled trial (RCT): studies using random assignment to treatment group and making between-group comparisons of an intervention or treatment. This class includes studies using comparison of placebo and experimental groups as well as those using comparisons of different treatments.
- b. Systematic research report (SRR): papers with statistical analysis of the results of research over a long period of time by one group.
- c. Cohort studies (CO): small studies for the explicit purpose of developing protocols or feasibility; or studies that were defined by their authors as "pilot studies". Single group interventions: preexperimental studies performed under controlled conditions;





- d. Case series (CS): articles reporting more than 2 cases observed in clinical practice.
- e. Case reports (CR): articles describing interesting clinical cases.

#### **Quality rating**

RCT and SRR articles were evaluated for quality using the Scottish Intercollegiate Guidelines Network (SIGN) which allows quite precise expert evaluation of published paper based on strict criteria (Table 1). All papers evaluated as low were excluded from this review.

Table I SIGN Check list

- 1.1 Study addresses appropriate, clearly focused question.
- 1.2 Treatment group assignment is randomized.
- 1.3 Adequate concealment method is used.
- 1.4 Subjects and investigators are kept "blind" about treatment allocation.
- 1.5 Treatment and control groups are similar at the start of the trial.
- 1.6 Only difference between groups is the treatment under investigation.
- 1.7 Outcomes are measured in a standard, valid, and reliable way.
- 1.8 What percentage of subjects in each treatment arm dropped out before the study was completed?
- 1.9 How well was the study done to minimize bias? How valid is the study?

#### **Results**

Tables 2 summarize classification of papers presented in this review. Tables 3 & 4 give the outline these articles with the number of patients involved in each study.

Table 2 Summary of papers published in 2008-2018

Field of study and	Type of paper							
reference	RCT	SRR	CO	CS	$\mathbf{CR}$	Total		
Clinical studies6-49	16	12	12	4		44		
Psychophysiology <sup>50</sup> — <sup>78</sup>	3	1	П	5	10	30		
Total	19	13	23	9	10	74		

### **Discussion**

It is interesting, that the amount and types of papers published in the last 10years was practically the same as published in previous period (Table 2) (Table 5), while the amount of GDV/EPI instruments being in use increased threefold. This may be explained by the fact, that most of GDV/EPI users are doctors and practitioners, who are using instruments in their everyday practice and have no time for research. Research projects with published results, be it clinical studies or psychophysiologic studies are conducted in research institutions or universities. This creates limitation to this study. We attempted to avoid the bias in evaluating the studies by using evaluation of all papers by several experts.<sup>5</sup>

Table 5 Summary of Papers published in 2008-2018

Field of study	Type of paper							
and reference	RCT	SRR	CO	CS	CR	Total		
Clinical studies	15	13	10	7	4	49		
Psychophysiology	4	13	3	2	I	23		
Total	19	26	13	9	5	72		

#### **Conclusion**

Based on the presented data we can make several conclusions:

- a. There is constant interest between researchers in testing possible areas for EPI/GDV technique application in medicine and psychophysiology.
- Results of these research allowed creating several new algorithms of data processing, implemented in the cloud-based Bio-Well software complex.
- c. We pay attention to several papers on comparing groups of oncological patients with control groups published by different research teams. In all these papers significant statistical difference of EPI/GDV parameters between groups was found. It opens up interesting perspectives for further implementation of the EPI/ GDV technology in clinical practice.
- d. Psycho physiological studies revealed a lot of correlations between EPI/GDV indexes and psychological features of people evaluated by conventional methods. Based on these results, as well as data published in previous periods, we may conclude that EPI/GDV method is one of the few objective evaluations of the personality dimensions.
- e. Important area of the EPI/GDV method application is the evaluation of the influence of different interventions or treatment. This allows making quantitative analysis of the individual response of the patient's organism both to conventional and complementary methods of treatment and psychophysiological corrections.
- f. The overall conclusion is that EPI/GDV technology is non-invasive, easy to use, quick method for evaluation psycho physiological condition of people and their response to interventions both in clinical practice and under the influence of different environmental factors.
- g. We did not find published papers with negative results of EPI/ GDV technology application or contraindications for using this method.

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None.

#### **Conflict of interests**

Author declares that there is no conflict of interest.

#### References

- 1. Korotkov KG, Matravers P, Orlov DV, et al. Application of electrophoton capture (epi) analysis based on gas discharge visualization (gdv) technique in medicine: a systematic review. *J Altern Complement Med.* 2010;16(1):13–25.
- Muehsam D, Chevalier G, Barsotti T, et al. An overview of biofield devices. Global Adv Health Med. 2015;4(Suppl):42–51.
- Korotkov K. Science of Measuring Energy Fields. A revolutionary technique to visualize energy fields of humans and nature. *In: Bioelectromagnetic and Subtle Energy Medicine*. In: Paul Rosh, editor. London, New York: CRC Press; 2015:111–121.
- Scottish Intercollegiate Guidelines Network. A Guideline Developers' Handbook. Edinburgh: SIGN; 2001.
- 5. Korotkov KG. The Energy of Health. Amazon.com publishing; 2017.

- Aleksandrova EV, Kovelkova TN, Strychkov PV, et al. Electrophotonic analysis of arterial hypertension. J of Science of Healing Outcome. 2015;7(28):4–12.
- Bhat RK, Guru Deo, Mavathur R, et al. Correlation of electrophotonic imaging parameters with fasting blood sugar in normal, prediabetic, and diabetic study participants. *Journal of Evidence–Based Complementary & Alternative Medicine*. 2016:1–8.
- Ciesielska IL. The precursory analysis of the influence of garments on corona discharge created around a human fingertip. *Textile research* journal. 2010;80:216–225.
- Gedevanishvili EG, Kapanadze AG, Giorgobiani LE, et al. Application of the GDV method in oncology. *In: Proceedings of International Scientific* Congress on Bioelectrography. St Petersburg; 2015:36–45.
- Gagua R, Osmanova V, Gedevanishvili EG, et al. New radiobiological concept of urine droplet gas discharge visualization (GDV) in cancer patients. *In: Proceedings of International Scientific* Congress on *Bioelectrography*. St Petersbur; 2010:66.
- Korobka IE, Yakovleva TG, Korotkov KG, et al. Electrophotonic Imaging technology in the diagnosis of autonomic nervous system in patients with arterial hypertension. *J Appl Biotechnology and Bioengineering*. 2018;5(1):00112.
- Korobka IE, Yakovleva TG, Belonosov SS, et al. Gender Differences in the activity of the autonomic nervous systems of healthy and hypertensive patients in russia. *J Appl Biotechnol Bioeng*. 2017;3(6):84–87.
- Kumar SK, Srinivasan TM, Nagendra HR, et al. Electrophotonic imaging based analysis of diabetes. *Int J of Altern and Complement Medicine*. 2016;4(5):134–137.
- Polushin J, Levshankov A, Shirokov D, et al. Monitoring energy levels during treatment with GDV technique. *J of Science of Healing Outcome*. 2009;2:5–15.
- Kumar SK, Srinivasan TM, Nagendra HR. Neural network based analysis of electro photonic data for disease diagnosis and intervention recognition. India: PhD thesis. University Bengaluru; 2017.
- Sharma B, Hankey A, Nagendra HR. Gas discharge visualization characteristics of an indian diabetes population. *Voice of Research*. 2014;2(4):28–33.
- Strukov EU. Tuzhikova N.V. Monitoring of GDV parameters to predict the development of postoperative delirium. *In: Proceedings of XIV International Scientific* Congress on *Bioelectrography*. St Petersburg; 2010:24–26.
- Usubov R, Sherbakov DB, Fesenko MU. GDV Application in pediatrics.
   In: Proceedings of International Scientific Congress on Bioelectrography.
   St Petersburg; 2009:26–28.
- Yakovleva EG, Buntseva OA, Belonosov SS, et al. Identifying patients with colon neoplasias with gas discharge visualization technique. *J Altern Complement Med.* 2015;21(11):720–724.
- Yakovleva EG, Korotkov KG, Fedorov ED, et al. Engineering approach to identifying patients with colon tumors on the basis of electrophotonic imaging technique data. *Open Biomed Eng J.* 2016;2:72–80.
- Banupriya D. A Randomised, Blinded. Placebo-Controlled. Three armed parallel study on electrophotonic image changes during homoeopathic pathogenetic trial using molecular and ultra-molecular doses. PhD thesis, National Institute of Homoeopathy, India; 2018.
- Gimbut VS, Chernositov AV, Kostrikina EV. GDV parameters of woman in phase dynamics of menstrual cycle. *In: Proceedings of International Scientific* Congresses on *Bioelectrography*. St Petersburg; 2000:16–19 and 2004:80–82.

- Korotkov K. Science confirms reconnective healing. Amazon Publishing; 2011.
- Korotkov K, Korotkova A. Influence of massage with essential oils t human energy. Open Access Journal of Biomedical Engineering and its Applications. 2/2, 2018.
- Korotkov K, De Vito D, Arem K, et al. Healing experiments assessed with electrophotonic camera. Subtle Energies & Energy Medicine. 2010;20(3):1–15.
- Korotkov KG. Recent advances in electrophotonic image processing. Recent Patents and Topics on Imaging. 2015;5:1–5.
- Korotkov K, Shelkov O, Shevtsov A, et al. Stress Reduction with Osteopathy assessed with GDV Electro-Photonic Imaging: Effects of Osteopathy Treatment. J Alt Compl Med. 2012;18(3):251–257.
- 28. Kostyuk N, Rajnarayanan R, Isokpehi D, et al. Autism from a biometric perspective. *Int J Environ Res Public Health*. 2010;7:1984–1995.
- Pesotskaya LA, Kulikovich JN, Braga EF, et al. Application kirlianografii in the diagnosis of urological disorders. *In: Proceedings of International Scientific* Congress on *Bioelectrography*. St Petersburg; 2011:16–21.
- Pesotskaya LA, Goncharenko VI. Application of the GDV technique for the evaluation of children treatment. *In: Proceedings of XIV International* Scientific Congress on Bioelectrography. 2010:16–18.
- Sorokin OVVS. Druzhinin VG, Efimenko ME, et al. The nature of the relationship between photoelectron emission and autonomic regulation of cardiac rhythm in patients with ischemic heart disease. *Medicine and Education in Siberia*. 2009;4:23–27.
- Sorokin OV, Godunov AI, Korotkov KG, et al. Photoelectron (GDV) emission as a reflection of microvascular fluctuations. *Medicine and Education in Siberia*. 2009;4:28–32.
- Tumanova AL. Information risk factors in early diagnosis and prognosis
  of thalassemia with GDV. *In: Proceedings of International Scientific*Congress on Bioelectrography. St Petersburg; 2015:46–49.
- 34. Augner Chr, Hacker GW, Schwarzenbacher S, et al. Gas Discharge Visualization (GDV): Eine auf physikalischen Methoden und Meridiananalysen basierende Technik zur Untersuchung von Stressreaktionen und energetischen Schwachstellen Zwischenbericht laufender Forschung. (Gas Discharge Visualization (GDV): A Technique Based on Physical Methods and Meridian Analyses to Detect Stress Reactions and Energetic Weaknesses Report of Ongoing Research.) Dt. Ztschr. f. Akup. (DZA). German Journal of Acupuncture & Related Techniques. 2010;53:14–20.
- 35. Berne S. Electrophotonic imaging: measuring human consciousness. *J of Optometric Phototherapy*. 2010;3:9–15.
- 36. Bhargav H, Srinivasan TM, Varambally S, et al. Effect of mobile phone induced electromagnetic field on brain haemo-dynamics and human stem cell functioning: Possible mechanism link to cancer risk and early diagnostic values of electrophotonic imaging. *J Stem* cells. 2015;10(4):287–294.
- 37. Bhargav P, SureshV, Hankey A, et al. Application of gas discharge visualization technique for assessing effects of mobile phone-induced electromagnetic field on subtle energy levels of teenagers and protective value of yoga intervention. 2017.
- 38. Buck KH, Novelli C, Costa FT, et al. O uso da bioeletrografia na comparação entre mulheres com câncer de mama, mulheres saudáveis sedentárias e mulheres praticantes de corrida. Centro de Pesquisas Avançadas em Qualidade de Vida. 2016;8(2):9
- Cohly HH, Kostyuk N, Rajnarayanan R, et al. Bio–electrographic method for preventive health care. *In: Proceedings of XIV International Scientific* Congress on Bioelectrography. 2009:113–116.

- Deshpande PB, Korotkov K, Kowall JP. Bioenergy measurements for predictive medical diagnosis. *Journal of Consciousness Exploration and Research*. 2016. p. 126–136.
- Garinov G, Korotkov K. Prostate cancer groups statistics pilot study. *In: Proceedings of XVI International Scientific* Congress on *Bioelectrography*. St Petersbur; 2012:56–57.
- 42. Kushwah KK, Srinivasan TM, Nagendra HR, et al. Development of normative data of electro photonic imaging technique for healthy population in India: A normative study. *Int J Yoga*. 2016;9(1):49–56.
- Narajanan R. Understanding diabetes from the perspective of electrophotonic imaging (bio-well) and proposing yoga therapy for reversing Type-2 diabetes. *In: Proceedings of International Scientific Congress on Bioelectrography*. St Petersburg; 2017:36.
- Naranjan R. EPI readings of type II diabetes. In: Proceedings of International Scientific Congress on Bioelectrography. St Petersburg; 2018:16–23.
- 45. Narayanan RC, Korotkov K, Srinivasan TM. Bioenergy and its implication for yoga therapy. *Int J Yoga*. 2018;11(2):157–165.
- 46. Gedevanishvili EG, Gagua I, Kapanadze AG, et al. GDV estimation of homeostasis of ontological patients during singlet oxygen therapy rehabilitation after radical methods of therapy. *In: Proceedings of International Scientific* Congress on *Bioelectrography*. St Petersburg; 2017:32–33.
- Kostyuk N, Ayensu WK, Isokpehi RD et al. Therapeutic evaluation of soqi (solar energy) utilizing GDV. In: Proceedings of International Scientific Congress on Bioelectrography. St Petersburg; 2010:8–9.
- 48. Krashenyuk AI, Korotkov KG, Kuryleva NA. Study of the Influence of Diagnostic Ultrasound on the Human Aqua–System with Bio–Well Device. *J of Science of Healing Outcome*. 2017;9(36):5–15.
- Naranjan R. EPI readings of pain and other conditions. *In: Proceedings of International Scientific* Congress on *Bioelectrography*. St Petersburg; 2018:24–27.
- 50. Deo G, Kumar SK, Srinivasan TM, et al. Cumulative effect of short-term and long-term meditation practice in men and women on psychophysiological parameters of electrophotonic imaging: a cross-sectional study. *J* Complement *Integr Med.* 2016;13(1):73–82.
- Deo G, Kumar SK, Srinivasan TM, et al. Changes in electrophotonic imaging parameters associated with long term meditators and naive meditators in older adults practicing meditation. *European Journal of Integrative Medicine*. 2015;7:663–668.
- Dobson P, O'Keeffe E. Cognition as a moderator of GDV emission: past research, a current explanation and some ideas for the future. In: Korotkov KG. Energy fields Electrophotonic analysis in humans and nature. 2012. 240p.
- Kushwah KK. Efficacy of integrated yoga practices on healthy people using electro photonic imaging technique. PhD Thesis. Swami Vivekananda Yoga Anusandhana Samsthana (SVYASA); 2016.
- Bulatova TE. Dynamics of GDV indexes for school children. *In:*  Proceedings of XII International Scientific Congress on Bioelectrography. St Petersburg; 2011:42–45.
- Dobson P, O'Keefe E. Measuring human personality by machine: could it is true? *In: Proceedings of International Scientific Congress on Bioelectrography*. St Petersburg; 2010:14–17.
- Drozdovski A, Gromova I, Korotkov K, et al. Express–evaluation of the psycho–physiological condition of Paralympic athletes. *Open Access J Sports Med.* 2012; 3:215–222.

- Kolosova OS. Psychophysiological correlates of life values of students. *In: Proceedings of International Scientific* Congress on Bioelectrography. St Petersburg; 2010:59–61.
- 58. Korotkov KG. Electrophotonic analysis of complex parameters of the environment and psycho–emotional state of a person. *Wise Journal*. 2015;4(3):49–56.
- Kushwah KK, Srinivasan TM, Nagendra HR, Ilavarasu JV. Effect of yoga based techniques on stress and health indices using electro photonic imaging technique in managers. *J Ayurveda Integr Med.* 2016;7:119–123.
- Kumar SK, Srinivasan TM, Guru Deo, et al. Electro–photonic imaging for detecting intervention (meditation). *Intern J of Current Medical and Pharmaceutical Research*. 2016.
- 61. Kushwah KK, Nagendra HR, Srinivasan TM. Effect of integrated yoga program on energy outcomes as a measure of preventive health care in healthy people. Central *European Journal of Sport Sciences and Medicine*. 2015;12(4):61–71.
- Semenichin EE, Geltjakove IN, Geltjakova UA. Correlations between GDV indexes and data of psychological testing. *In: Proceedings of International Scientific Congress on Bioelectrography*. St Petersburg; 2011:56–59.
- Semenikhin EE, Zeltyakova IN, Kozlov AV, et al. Assessment of individual influence of the music therapy by means of GDV-technic. *In:* Proceedings of International Scientific Congress on Bioelectrography. St Petersburg; 2010:5–58.
- Vasilenko SV, Kozik SV, Karnatovskaya NI. Evaluation of psychological state by gas discharge visualization. *Proceedings of the International* Conference "Ecology and Health" Kaliningrad. 2012:69–71.
- 65. Boulter C. The affect of the great pyramid on the human aura and the chakra system. *In: Proceedings of XVI International Scientific* Congress *on Bioelectrography*. St Petersburg; 2012:2–8.
- 66. Ciesielska IL, Masajtis J. The preliminary studies of influence of garments on human beings' corona discharge. *International Journal of Clothing Science and Technology*. 2008;20(5):299–316.
- Ciesielska LL, Masajtis J. The Influence of Textiles on Corona Discharge Created Around a Human Fingertip. FIBRES & TEXTILES in Eastern Europe. 2007;15:5–6:64–65.
- Osmanagich S. Bosnian pyramid healing energy. In: Proceedings of International Scientific Congress on Bioelectrography. St Petersburg; 2017;37–40
- Erdentuja C, Battulga M, Umsuran I, et al. The GDV analysis of the environment impact on the psychophysiological condition of people in Mongolia. *In: Proceedings of International Scientific Congress on Bioelectrography*. St Petersburg; 2016:81–83.
- Hassan M. Measuring the influence of the sacred sites' electromagnetic energy on the human biofield using gdv technology. an observational study in Egypt. *In: Proceedings of International Scientific Congress on Bioelectrography*. St Petersburg; 2017:34–35.
- Kostyuk N, Meghanathan N, Isokpehi RD, et al. Biometric evaluation of anxiety in learning english as a second language. *International Journal of* Computer *Science and Network Security*. 2010;10(1);220–229.
- Rabe L. Evaluation of Training Sessions for the EMF Balancing Technique using THE GDV/EPI Measurement Technology. *In: Proceedings of XIV International Scientific* Congress on *Bioelectrography*. St. Petersburg; 2009:140–144.
- 73. Rao TI, Nagendra HR. The effect of active and silent music interventions on patients with Type 2 diabetes measured with electron photonic imaging

- technique. International Journal Humanities and Social Sciences (IJHSS). 2014;3(5):7-14.
- 74. Rao TI. Kushwah KK, Srinivasan TM. Effect of indian devotional music on students and performers measured with electron photonic imaging. Online International Interdisciplinary Research Journal. 2014;4(4).
- 75. Deo G, Itagi RK, Thaiyar MS, et al. Effect of anapanasati meditation technique through electrophotonic imaging parameters: A pilot study. Inte J Yoga. 2015;8(2):117-121.
- 76. Rgeusskaja GV, Listopadov UI. Medical Technology of electrophotonics gas discharge visualization – in evaluation of cognitive functions. J of Science of Healing Outcome. 2009;2(5):15–17.
- 77. Sushrutha S, Hegde M, Nagendra HR, et al. Comparative study of Influence of Yajña and Yogāsana on stress level as Measured by Electron Photonic Imaging (EPI) Technique. International Journal of Science and Research (IJSR). 2014;3(8):1402-1406.
- 78. Sushrutha S , Madappa K, Nagendra HR. Effect of bhaishajya maha yajna on human energy field and environment. International Journal of Innovative Research in Science & Engineering. 2015.

Table 3. Summary of papers in clinical studies

Citation	N of patients	Туре	Summary
<sup>6</sup> Aleksandrova EV	603 Control group	RCT	All people were divided into groups according to arterial hypertension
	- 136		(AH) degree and stage and degree of cardio-vascular complications risk
	patients – 467		in the nearest 10 years. Groups were divided as follows: Experimental
	1		group was in its turn divided in different ways according to the degree,
			stage of AH and the risk of cardio-vascular complications. Reliable
			differences between the control group of healthy patients and groups
			with various AH degrees and stages were calculated with sufficiently
			high degree of accuracy which allows to include GDV technique into
			the population screening.
<sup>7</sup> Bhat RK	102	RCT	Fasting blood sugar (FBS) correlates differently in the contol,
Dilat KK		KCI	
	29 control, 13		prediabetic, and diabetic groups. In the prediabetic group, correlation of
	prediabetic, and 60		FBS with EPI parameters pancreas and right kidney is noteworthy and
° C' ' 1 1 TT	diabetic.	D. CIT	in line with latest findings in medical research.
<sup>8</sup> Ciesielska I.L	126	RCT	Age, gender, temperature in examination rooms as well as frame of
	96 patients with		mind of the study population exerted a similar effect on EPI in both
	coronary heart		groups. Heart rate, blood pressure and the pattern of coronary heart
	disease and the		disease exerted varied effects on the patients' EPI parameters in the
	control group		study group. Conclusions: The analysis of changes in EPI may be a
	composed of 30		source of information about the effect of physiological and
	healthy persons		pathophysiological changes in the human health state, physical as well
			as mental.
<sup>9</sup> Gedevanishvili E.	1210	RCT	Sensitivity of GDV analysis was 85% for all pathologies. GDV method
	control – 450,		allows to follow up progress of oncological treatment.
	breast cancer -		
	210, lung cancer –		
	350, other		
	nosology – 200.		
<sup>10</sup> Gagua R.	16	RCT	We had visualized urine droplets with GDV technique. Some of
Sugua It.	8 patients with	1001	parameters of urine droplet GDV-image fractality can allow us to
	malignant tumors		characterize dynamics of appearance of organic free radicals.
	and 8 patients with		characterize dynamics of appearance of organic free radicals.
11 77 11 75	chronic diseases	D.C.	
<sup>11</sup> Korobka I.E.	138	RCT	GDV and HRV analysis of the data revealed statistically significantly
	32 healthy and 106		different EPI/GDV parameters in patients with arterial hypertension and
	patients with		healthy subjects. The values of the medians of parameters indicated the
	hypertension		activity of the right hemisphere of the brain in patients with
			hypertension, most pronounced in individuals with the II degree of the
			disease. The comparison also revealed statistically significant difference
			in the index of stress of regulatory systems, while in patients with
			arterial hypertension it was much higher than normal.
<sup>12</sup> Korobka I.E.	175	RCT	HRV and EPI methods. The difference in parameters was not due to
	138 patients with		hyperactivity of sympathetic center, but due to a lower parasympathetic
	hypertension and		function.
	37 healthy.		
<sup>13</sup> Kumar S. K	200	RCT	Diabetic condition have significant effect on EPI parameters. The
Tenniui D. IE	80 healthy, 120	1101	impacted parameters have logical link with corresponding organs and
	diabetics		organ systems. The meridian theory and Chakra theory appear to have
	diauctics		
14 Deliver to	122	D.C.T	a scientific significance.
<sup>14</sup> Polushin J	132	RCT	Groups had statistically significant EPI parameters. The parameters of
	36 healthy people		the EPI-grams reliably changed in response to operative trauma and
	and 96 patients with chronic		their dynamics depended on the severity of the of the somatic state of

	surgical pathology		patient, which allowed to use GDV technique to follow up patients in
	in the abdominal		postoperative period.
	organs		
<sup>15</sup> Kumar S.K.	200	RCT	The classification accuracy of the neural network classifier was in the
	120 diabetic, 80		range of 80% to 100% for classifying diabetic and non-diabetic subjects.
	control		Meditation was found to have a significant impact on EPI parameters.
			Further, neural network was able to classify pre and post meditative
			population using EPI data with an accuracy ranging from 84% to 100%.
			Electro Photonic Imaging combined with neural network works as a
<sup>16</sup> Sharma B	147	RCT	good framework for intervention recognition.  Statistically significant difference of GDV parameters both between
Silatilla D	90 diabetics, 57	KCI	apparently healthy population and diabetes groups and between groups
	healthy		with different levels of diabetes was found.
<sup>17</sup> Strukov EU	122	RCT	GDV-grams were recorded in all the group before surgery and during
Strakov Ec	47 healthy people,	Rei	the next five days postoperatively. Dynamics of the glow area parameter
	50 patients		of patients, whose postoperative period is complicated by the
	operated on the		development of delirium, is different from the normal distribution and
	abdominal organs.		was characterized by high amplitude of the GDV area. Dynamic
	25 patients treated		changes in the glow area were similar to the dynamics of GDV images
	at the clinic of		of patients with psychiatric profile. However, these changes in the
	psychiatry with		operated patients may be revealed 10-12 hours prior to the development
	the abstinent		of the clinical picture of delirium. As the delirious syndrome subsided,
	syndrome in pre-		the parameter of GDV area comes-back to the original data and fits into
	and delirious state.		the standard distribution.
<sup>18</sup> Usubov R	139	RCT	Children 10-14 years were tested with GDV before and after 21 days of
	74 chronic		treatment. Significant statistical difference between groups was found
	tonsillitis and 65		in both measurements.
	control		
19 Yakovleva E G.	78	RCT	There were a significant number of differences between the control
	56 patients with		group and the group of patients with colon tumors. We examined the
	colon tumors, 22		dynamic of the parameters as the level of tumor dysplasia (neoplasia)
20.77.1	control.	D 000	varied.
<sup>20</sup> Yakovleva E.G	137	RCT	Based on the identified indicators decision rules to determine the
	82 patients with		patients with tumors of the colon were constructed. The specificity of
	colon tumors, 55		the resulting function was 80.0% and sensitivity 75.6%. Decision rule
	control.		was built as well with logistic regression. The specificity of the resulting
			function was 78.2% and sensitivity 90.0%. The accuracy of this
21 Danumius D	125	DCT	approach was higher than using discriminant analysis.
21 Banupriya D	135	RCT	People were divided to 3 groups: Belladonna – 6C, Belladonna – 200C
	(45 in every group)		and the placebo group. Analysis showed a statistically significant difference in eight GDV parameters with the trend: Belladonna 6C >
	group)		Belladonna200C > Placebo.
<sup>22</sup> Gimbut VS	226	SRR	The aim of the study was to evaluate informative diagnostic criteria of
Giiilout V5	220	Sicie	normal and pathological flow of pregnancy in I and II trimesters. High
			level of correlation between GDV parameters and disturbed blood
			circulation of the "mother – placenta – fetus" system was found. This
			allows to use GDV method for prognosis of potential miscarriage for
			pregnant women.
<sup>23</sup> Korotkov K	118	SRR	Two types of positive effects for participants during Reconnection
==			Healing sessions were recorded: increase in Area and decrease in Form
			Coefficient (FC). In most cases either one effect or another was
			recorded. At some sessions Area of EF was increasing for most of the
			participants; while in LA 2008 session it was practically no changes of
			Area, but very significant changes of the FC. No difference between
			women and men responses was found.
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<sup>24</sup> Korotkov K	100	SRR	Before and after the massage participants filled in a special Mood Mapping Evaluation questionnaire. GDV measurements was administered to the panelists before (baseline) and immediately after
			massage. It was shown that for the Energy Massage with essential oils statistically significant changes in GDV indexes were recorded for most
			of the panellists. For Energy Massage without oils effect was less, but the group effect was statistically significant.
<sup>25</sup> Korotkov	15	SRR	Different types of healing have positive effect on Human Energy Field.
<sup>26</sup> Korotkov	225	SRR	Review of EPI/GDV patents and their applications.
<sup>27</sup> Korotkov K	49	SRR	Participants apparently healthy adults were measured with EPI before, after and 30 min later osteopathy treatment. Overall the recipients had decreases in their GDV activation coefficient levels. In addition, the levels stayed stable, as shown by the readings done thirty minutes later. Such data can be interpreted as especially meaningful, when even the sympathetic system parameters hold in a relaxed pattern for a length of time.
<sup>28</sup> Kostyuk N	32	SRR	The autistic children in this study were previously diagnosed with mild autism and/or Asperger's Syndrome. Results revealed heterogeneity and unique features in the participants with ASD and their parents. GDV method is a promising step towards creating autism profile and identifying unique signatures pertaining to the parents and their siblings.
<sup>29</sup> Pesotskaya LA	13 patients with genital organ dysfunction, 60 people - chronic prostatitis, 16 people - a benign tumor of the prostate.	SRR	Patients were men with urological disorders. In some patients were on two of these pathologies.GDV advantage over other instrumental methods in medicine is its ability to determine the irregularities in the cell for up to nosological level, regardless of the results of standard clinical and laboratory studies.
<sup>30</sup> Pesotskaya LA	86 31 patients, 55 control	SRR	31 children from Chernobil zone with thyroid dysfunctions have been treated with homeopathy, while 55 children with the same diagnosis served as control. Significant difference in GDV parameters was found in treatment group compared with control.
<sup>31</sup> Sorokin O.V.	26	SRR	The GDV area of the fifth finger of the right hand positively correlates with the cardiac fraction of creatine phosphokinase (CPK), as well as the blood content of total protein, direct bilirubin and glucose concentration. CPK is an early marker of myocardial necrosis. From the point of view of traditional Chinese medicine, the fifth finger is a projection of the acupuncture Meridian of the heart. An increase in the level of centralization of heart rate control with the transition to an energy-consuming and low-efficient variant of regulation is associated with a decrease in the area of illumination. The increase in the total power of the spectrum of neurohumoral regulation is positively correlated with the average intensity of luminescence.
<sup>32</sup> Sorokin O.V.	32	SRR	Demonstrated that one of the physiological mechanisms affecting the oscillations of the primary photoelectron avalanche initiating the gas discharge and which basically determines the rest of the phenomenology of GDV emission, is connected with the peculiarities of the microcirculatory pulse fluctuations.
<sup>33</sup> Tumanova A.L.	150	SRR	Retrospect study of population of Cyprus statistically demonstrated that GDV technique may serve as method for early diagnosis of risk of thalassemia.
<sup>34</sup> Augner Chr.,	24	СО	EPI method is efficient tool to detect Stress Reactions and Energetic Weaknesses

35 Berne S.	28	СО	EPI data was correlated with HRV for a group of athletes, Finnis healers and massage therapists. During the healing simulation EF parameters changed in all groups, however more pronounced change was found among healers.
<sup>36</sup> Bhargav H,	25	СО	Studies have recorded acute effects of Mobile Phone Electromagnet Fields using EPI and found quantifiable effects on human field. Prese manuscript reviews evidences of altered brain physiology and stem confunctioning due to mobile phone/cell tower radiations, its association with increased cancer risk and explores early diagnostic value of Elimaging in detecting EMF induced changes on human bis electromagnetic field.
<sup>37</sup> Bhargav P	30	СО	After mobile phone influence, different subtle energy variables showed reduction in energy levels as compared to control. Adding simultaneous practice of <i>Nadishuddhi</i> Yoga did not enhance subtle energy in any the organs.
<sup>38</sup> Buck KH	26	СО	Results demonstrate the efficiency of GDV for follow up dynamics cancer treatment.
<sup>39</sup> Cohly H.	130	СО	We used bio-electrographic methods to collect the base values of sturparticipants and establish possible deviation from the standard norm Bio-electrographic method was recognized and successfully implement into preventive health care systems. We developed the bio-electrograph dataset of residents of Mississippi, mainly of African-American origin average age of 25. We found our results corresponding to the standard norms of bioelectrographic parameters. Therapies like far infrart treatment have been shown to improve functional state as observed by recordings of bioelectrography.
<sup>40</sup> Deshpande P. B	Review	СО	Unlike a routine medical diagnostic device such as an MRI or a C Scan, the Bio-Well analysis relies on statistical inference at a high lev of confidence but the possibility of outliers (false positive or fal negative indication of the physiological/psychoemotional state) cannube ruled out.
<sup>41</sup> Garinov G.	100	СО	Patients diagnosed with prostate cancer (PC) with conventional mean including biopsy; and having conventional treatment have been select for the study. Based on the results of the PSA analysis and clinic observations participants were distributed to three groups: "negati prognosis", "positive prognosis" and "intermediate prognosis Statistically significant difference between GDV parameters of patien with positive and negative prognosis of prostate cancer was found.
<sup>42</sup> Kushwah KK	1297	СО	As the data were not normally distributed, quartile based statistics we used for setting the norms. 25 <sup>th</sup> and 75 <sup>th</sup> percentile were calculated a they were further verified using bootstrap procedure. Uniquely, t results showed a clear difference in integral area parameters among t Indian and the European population. Although other parameters we found almost similar to the European population, inter quartile rang were narrower in the Indian population as comparison to the Europe values. Similar trends were observed in the sub group analyses: i. male versus female genders, and age range 18 to 40 versus 41 to 60.
<sup>43</sup> Narajanan R	12	СО	GDV is very useful in following diabetic patients treatment with Yo therapy
<sup>44</sup> Naranjan R	12	СО	Diabetic patients treatment with Yoga therapy. EPI measures Naadi, to underlying Information Management system that regulates the body a given instant. The immediate impact on the EPI readings from you interventions suggests that EPI could be an valuable tool for effecting yoga therapy.
<sup>45</sup> Narayanan RC	12	СО	Implications for furthering research in yoga therapy using EPI, a implications of EPI as a translational technology between tradition

<sup>46</sup> Gedevanishvili E.	30 20 patients on chemotherapy and 10 patients on radiotherapy with cancer of different	CS	medicine systems and modern medicine is discussed. Illustrative cases of successful therapy with yoga practices in a wide variety of abnormal conditions are examined and in every case entropy is shown to decrease for the affected organ system, while communication energy stays within stable range.  After completion of main course of therapy patients received the rehabilitation course of Singlet Oxygen therapy. Our results showed that after main courses of therapy all GDV parameters was worsened and after rehabilitation course the main part of this parameters became better.
	localization.		
<sup>47</sup> Kostuk N	120	CS	Pilot study of simultaneous influence of FIR and mechanical oscillatory vibration (SOQI) using the GDV showed that FIR had stabilizing effect on tested individuals. The data obtained from the GDV were confirmed by the testimonies of the participants about the general improvement of their functional state.
48 Krashenyuk A.I.	12	CS	Diagnostic ultrasound had a pronounced impact on a person. HRV data showed a shift of indexes to sympathicotonia, while EPI dynamics allowed to follow up parametric shift for 40 min after the ultrasound application.
<sup>49</sup> Naranjan R	5	CS	3 Cases of Pain, 1 Depression and 1 of Mild Sleep Apnea. Stress/relaxation and balance appear to change the instantaneous readings of the organ system with perceptive improvement in pain condition.

Table 4. Summary of papers in psychophysiological studies

Citation	N of patients	Type	Summary
<sup>50</sup> Deo G.	432	RCT	In both groups, lower values of stress (activation coefficient) were found
	220 long-term		in woman meditators as compared to men. In both groups, highly
	meditators and		significant gender-related differences were observed in integral area
	212 short-term		para- meter, which measures the overall health of an individual. Both
	meditators		groups showed cumulative health-related improvement. Moreover, in
			gender-related analysis woman meditators exhibited more positive
			improvement in EPI parameters than men.
<sup>51</sup> Deo G.	309	RCT	Comparison between groups yielded - less disorderliness at the
	180 long-term		psychophysiological level in naive meditators (NM) group. The gender
	meditators and		related results showed highly significant improvements in the health
	129 naive		related parameter at the physiological and psychophysiological level in
	meditators		females compared to males.
<sup>52</sup> Dobson P	82	RCT	Authors that have investigated the psychological correlates of the GDV
	67 people with		technique. All people volunteered to have their GDV image taken before
	types of mental		and after a three hour interval. Significant relationships between GDV
	training, 15		parameters and State anxiety and less significant relationships with
	control		Trait anxiety and Neuroticism. Significant relationships are also found
			for the personality dimensions of Openness and Agreeableness. These
			results point to a central role for cognition in determining the nature of
			the GDV image.
53 Kushwah KK	1297	CRR	Some of the EPI norms for Indian population were found different from
	1000 yoga, 297		European norms. Both groups Yoga interventions have demonstrated
	control		effectiveness in reducing stress level and improvement in health indices.
<sup>54</sup> Bulatova TE	1676	CO	Children from the 5 <sup>th</sup> to 10 <sup>th</sup> grade were studied with GDV during a year.
			Results allowed to define psychophysiological conditions of children,
			distribute them in groups in accordance with health risks and follow up
			their progress during the year.

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55 Dobson P	77	СО	A strong relationship (R = .69, p < .000) was found between the GDV parameters and one of the "Big Five" personality dimensions, namely, Openness to Experience. Some significant results for Extraversion was found as well.
<sup>56</sup> Drozdovski A	18	СО	It was found that the higher the level of Energy Potential achieved by the athlete in the training period, the lower the Stress Level (SL) in the competition time. The SL of an athlete recorded in the training period significantly correlates with the SL both before and at the time of competition. SL before the World Cup was negatively correlated to the results of skiing competitions.
<sup>57</sup> Kolosova O.	121	СО	Psychological parameters like will, good mood and positive attitude to others increase GDV parameters, while aggression, envy, anxiety decrease it.
<sup>58</sup> Korotkov	113	СО	During Joe Dispensa workshop measurements with Sputnik sensor in the process of collective meditation was performed. Decrease in the signal in the process of meditation for all 4 days of the workshop was observed. During the break, the signal level increased. There was also an increase in the signal from day to day.
<sup>59</sup> Kushwah KK	66	СО	Cyclic Meditation has produced a highly significant reduction in stress level, whereas this reduction was not found significant within Supine Rest group.
<sup>60</sup> Kumar S. K.	51	СО	Meditation was found to have a significant impact on EPI parameters. Neural network was able to classify pre and post meditative population using EPI data with an accuracy ranging from 84% to 100%. The receiver operating characteristics was captured for each of the classification and the area under the curve was close to unity.
<sup>61</sup> Kushwah K K,	152	СО	The parameters considered for analysis were activation coefficient (ac), Integral area (Ia) and Integral Entropy (IE). Reduction in stress levels (ac), increase in general health index (Ia) and decrease in disorderliness (IE) on the left side parameters were found reproducible in all four experiments. The results also revealed a highly significant reduction in stress levels and highly significant improvement in the health indices at the psycho-physiological level. baseline comparisons between males and females showed significant difference in general health index at both psychophysiological and physiological levels. In conclusion. The EPI outcomes are reproducible. Study also found that the energy pattern differs with gender. Hence, it is suggested that studies with male and female participants may be conducted separately.
<sup>62</sup> Semenichin EE.	15	СО	The following strong correlations between GDV indexes and psychological parameters were found: positive – concise and GDV Intensity; friendliness and GDV Area; negative – extraversion and entropy.
<sup>63</sup> Semenikhin E.E.	120	СО	GDV method gives the possibility to reveal patterns of influence of music on a human body and on this basis to write out «musical prescriptions».
<sup>64</sup> Vasilenko N	112	СО	The aim of the research project was evaluation of possible correlations between results of psychological testing and GDV indexes. This approach allowed to calculate 63 correlation prognostic models with correlation coefficients 0.91 – 0.99 and statistical value 0,05-0,00001. Models were tested on independent group of people and demonstrated very high prognostic value. Simple direct correlations may be efficient only in cases of very strong inner bonding, but in most cases, we should use multiple regression analysis.
<sup>65</sup> Boulter C	39	CS	A pre-test GDV was conducted at the Movenpick Hotel in Giza. Special permission was granted by the Supreme Council of Antiquities for private entry into the Great Pyramid for 2 hours beginning at sunrise on

		1	
			10-10-10. People entered the Kings Chamber one by one, they stepped into the granite coffer with 4-inch stone walls and laid down for 2 minutes immediately after being tested on the GDV/EPI. The data
			showed that mean Chakra values were positive approaching 0.00 balance Inside the Pyramid. Before and After mean values show a
			greater range with both positive and negative values indicating less
			balance. On the Area of Energy Field 3 people demonstrated increase of
			Energy Field inside the Pyramid compared with Before data, 2 people
			did not change, and 25 people demonstrated decrease of Energy Field
			inside the Pyramid compared with Before data.
<sup>66</sup> Ciesielska I.L	20	CS	There were significant statistical differences between parameters of EPI
Crestelska 1.12	20		recorded during contact with knitted acrylic fabric and knitted viscose
			fabric, knitted acrylic fabric and knitted wool fabric, knitted acrylic
			fabric and lack of any fabric (bare arm) as well as during contact with
			knitted wool and viscose fabrics, viscose and lack of any fabric and wool
			and lack of any fabric.
			Menstrual cycle of female volunteers; the later the day of the cycle, the
			higher the value of standard deviation from the mean EPI parameters.
<sup>67</sup> Ciesielska L.L.	20	C S	Statistically significant differences were stated between the mean values
			of parameters during volnteers' contact with lack of sleeve and acrylic,
			coarse wool, and viscose sleeve, between acrylic sleeve and coarse wool
			and viscose sleeve, and between viscose and coarse wool sleeve. There
			is a correlation between the mood of the volunteers described by them
			by the means of a questionnaire and some parameters, such as: the
			average radius, and the number of free fragments. The higher value of
			these parameters, the higher level of stress. There is an influence of the
			female menstrual cycle on female parameters. At the beginning and at
			the end of the cycle the parameters achieved higher values of their
			standard deviations than in the middle of the cycles.
<sup>68</sup> Osmanagich S	65	CS	Positive effect of Bosnian tunnels was demonstrated by GDV
			measurements.
<sup>69</sup> Erdinatujaa C.	150	CR	The Area of GDV-grams has positive correlation with the altitude of
<sup>70</sup> Hassan M.	15	CD	their living place Significant change of the human GDV indexes detected at different
Hassan M.	13	CR	sacred locations in Egypt was found. After visiting the Great pyramid –
			Queen Chamber most of the subjects had significant increase of their
			energy biofield, best energy balance and alignment of the chakras.
<sup>71</sup> Kostyuk N,	4	CR	Our pilot data confirms the recent findings of correlation of right
Kostyuk IV,	7	CK	hemisphere involvement in second language acquisition at the level of
			language proficiency. Thus, computational biometrics based GDV tool
			may be used to evaluate and potentially identify anxiety present in ESL
			1 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
			learners.
<sup>72</sup> Rabe L.	10	CR	learners.  The goal of the study was to verify whether or not the training of the EMF
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