

A NONLINEAR APPROACH OF THE INTRA-PSYCHIC CONFLICTS IN THE HUMAN BEING SYSTEM IN THE CONTEXT OF COMPLEXITY SCIENCE

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***Abstract.** From the perspective of the complexity science, in the research of complex systems, such as human beings, we have performed a non-linear evaluation of the complex, dynamic and interconnected relationships that occur in the complexity of the addressed problem. The human being is subjected to the conditioning of engramatic dysfunctional records of the emotional type Conditionals, as an unconscious construction mode as a set of implicit knowledge, work outside the conscious personality as an active and autonomous sub-personality (Sp). This sub-personality (Sp), which requires procedural knowledge, operates without conscious thoughts or memories, and is a non-verbal model involving the Self and whose manifestation is the symptom. Conditionals have the informational, energetic and emotional potential of the generating cause. The implementation of unconscious conditioning is performed under conditions specific to amplified state of consciousness (ASC). A way to highlight these conditioning is to measure psychoemotional parameters in these states. In order to eliminate the conditioning, it is also necessary to apply psychotherapeutic techniques involving the altered states of consciousness. Applying a QDP technique for 15 minutes only once during the interval study, highlighted the improvement of human performance in a 50-day pilot study. The processing of the results showed that the theoretical model of the evolution of the bio-psycho-emotional parameters can be considered as being specific to a second degree system.*

***Keywords:** intra-psycho conflict, complexity science, psychosomatic conditioning, subliminal engramatic records.*

1. Introduction

As an emerging approach to research, the complexity science is a study of a system. From the perspective of the complexity science, in the research of complex systems, such as human beings, we have performed a non-linear evaluation of the complex, dynamic and interconnected relationships that occur in the complexity of the addressed problem.

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Characteristics of the complexity paradigm such as nonlinearity, holism, initial conditions, evolution, systemic sensitivity, self-organizing, attraction, generalization-localization, dynamism, synergy, all are the subjects of the human psyche.

“Certain non-linear systems near the chaotic boundary L_1 or in chaotic transition do however display complex bifurcations and the development of novel structure within the system, and for this reason are termed complex systems by the Santa Fe school. These form good models for neurophysiology, and have the potential when given an adequate quantum foundation also to explain consciousness”[1]

2. Psychosomatic conditioning

The external information from environment is perceived on two levels. The first level is that of the ordinary, normal, conscious, supraliminal level and the second level is the subliminal, lacking conscious information processing. At this last level, sensory stimuli below the absolute threshold of perception are recorded at the terminal level. These stimuli, recorded subliminal – subconsciously and unconsciously – together with an intense emotional experience, may be triggering factors of emotional experiences and accompanying physiological reactions.

Compared to Cognitive-Behavioral Therapy (CBT) that uses the ABC model as a relationship between action, thoughts, emotions and behavior: A-Activating event of emotion or behavior; B-Thoughts of the person about the activating event; C-Consequence, response to activator event; response influenced by the way a person thinks about A. We have noticed that A-Activating Event of an emotion, of behavior, of manifestations can be at a conscious level, rational processed or at unconscious one that has passed the rational barrier and implemented subliminally. These unconscious schemes can generate unconscious experiences and unwanted behaviors that people cannot stop, making them seek help from psychotherapists. Sometimes the effects of activator event A are intense and can be triggered by addictive factors, sensory perceptual stimulus envelopes when deploying unconscious implementations. These subliminal engramatic records of sensory perceptions accompanying a traumatic event (conditioning) we called Initial Triggering Factors (FID) [2]. Rudrauf et al (2009) shows that somatosensory responses follow the incipient stages of the visual induction of emotions. The authors support the hypothesis of a processing sequence about the emergence of feelings. They suggest that even in the early stages of inducing a feeling, there may be representations in the brain of body responses to induction stimuli.

Conditionals, as an unconscious construction mode, as a set of implicit knowledge, work outside the conscious personality, as an active and autonomous sub-personality (Sp). This sub-personality (Sp), which requires procedural knowledge, operates without conscious thoughts or memories, and is a non-verbal model involving the Self and whose manifestation is the symptom. The latter activates and strengthens each time the perceptions at one point resemble a part of the initially modeled situation when two or more initial trigger factors (FID) are present [3].

The human being is subjected to the conditioning of engramatic dysfunctional records of the emotional type. Conditionals have the informational, energetic and emotional potential of the generating cause.

The implementation of unconscious conditioning is performed under conditions specific to amplified state of consciousness (ASC).

3. Intrapsychic Conflict

When different levels of the psyche exhibit disjunctions of varying intensity, we refer to intrapsychic conflicts. They were highlighted by investigation of the psychosomatic response of the subconscious and the unconscious of the subjects by measuring the physiological parameters (fig. 1) using the polygraph apparatus in the ordinary and altered state of consciousness induced by hypnosis [2].



Figure 1. Example-differentiations of parameter values recorded with polygraph equipment that have meaning that there is an intra-psyche conflict between the subconscious (SA) and unconscious (UA) levels relating to the physical (somatic) Self as a response to the question “Do you feel good about your body image?” [2].

The more the signals of the polygraph in the altered state of consciousness differ from those recorded in the ordinary state of consciousness (electro-dermal activity parameter – green trace), the stronger the intrapsychic conflicts are (fig. 2 and 3).

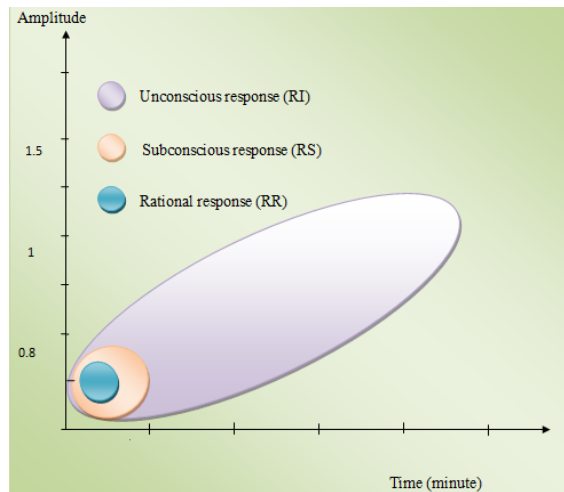


Figure 2. Is a visual model of the intra-psyhic conflict which shows that the differentiation of the intensity of internal conflicts is based on the amplitude and latency of the psychosomatic reaction recorded by the polygraph. These reactions are manifestations of intra-psyhic conflicts at different levels of the psyche (rational, subconscious, and unconscious) [2].

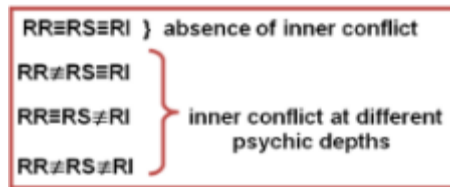


Figure 3. Possible relationships between rational responses (RR), subconscious responses (RS) and unconscious responses (RI); a method for highlighting the intrapsychic conflicts [2].

4. Emphasizing the method of psychotherapeutic action. Case study with repeated measurements

4.1. Objectives

To demonstrate that a single application of a psychotherapeutic technique can cause a significant change in the bio-psycho-emotional parameters of the human being in the direction of improving performance.

To follow up the evolution of variables representing the somatic and psycho-emotional state after using the QDP technique in a single session (15 minutes) for two participants.

4.2. Hypotheses

The QDP psycho-quantum therapy influences significantly the results obtained by measuring the effect on the human body state, using the biophotonic sensor (GDV).

4.3. Participants

Participants in the case study with repeated measurements where two subjects (a woman and a man). The case study was conducted for 1,200 hours (50 days).

4.4. Instruments

The equipment was used to determine the electro-photonic stimulated emission – Camera Pro GDV [4]

4.5. Procedure

A QDP psychotherapy technique was applied to the participants for 15 minutes [3]. The values of bio-psycho-emotional parameters were measured before and after the application of the psychotherapeutic technique, at intervals corresponding to the Fibonacci series (1h, 2h, 3h 5h ...), over 1200h.

5. Results

In the first ten hours, the values of the bio-psycho-emotional parameters corresponding to the somatic state (red route) decrease, while the values of the same variable for the psychosomatic state increase (blue route). After this period, the values of the variable vary, depending on the phase (simultaneous decrease and increase) for both somatic and psycho-emotional states [3].

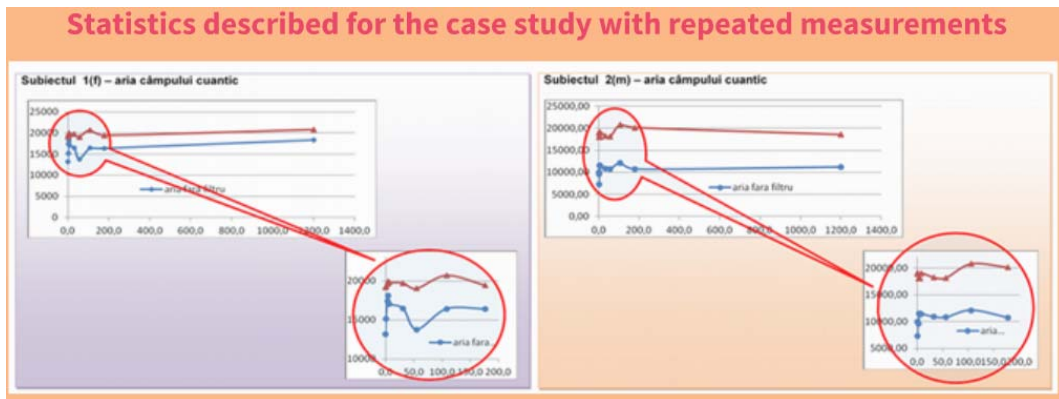


Figure 4. Graphical representation of temporal evolution for the bio-psycho-emotional parameters [3].

5. Discussions and conclusions

Referring to systems theory, in figure 4 it can be observed that the response recorded when the biophotonic activity of the two subjects was measured, can be assimilated with the response of a second degree system to a pulse type stimulus (applied technique 15 minutes only once).

The differential equation characterizing second-order systems is:

$$\frac{d^2 y(t)}{dt^2} + 2\xi\omega_n \frac{dy(t)}{dt} + \omega_n^2 y(t) = \omega_n^2 x(t)$$

where $x(t)$ is the input and $y(t)$ is the output of the system and ξ is called the damping factor.

In our case $x(t)$ is the QDP technique.

System's response to impulse is obtained by applying the inverse Laplace transformation.

For $0 < \xi < 1$ one can write:

$$h(t) = \frac{A\omega_n}{\sqrt{1-\xi^2}} e^{-\xi\omega_n t} \sin(\omega_n \sqrt{1-\xi^2} t) \sigma(t)$$

In the case $0 < \xi < 1$, the poles are distinct and complex. It is said that the system is in supercritical regime.

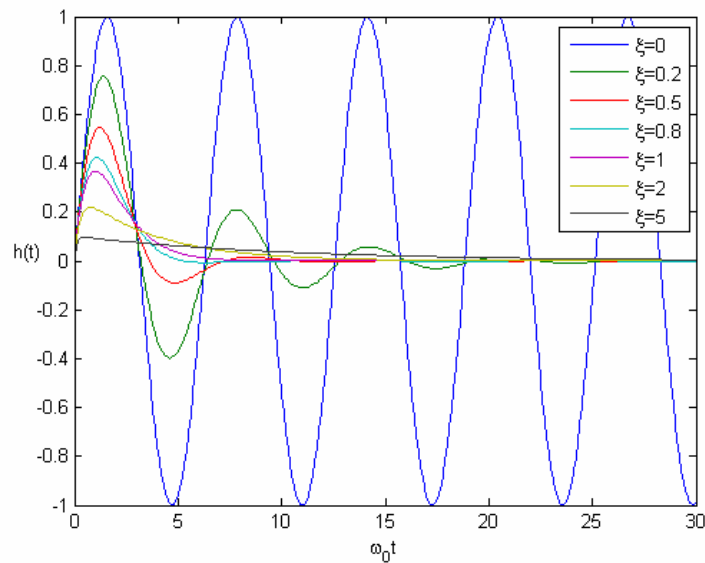


Figure 5. Graphic representation of the response of a second degree system to an impulse excitation, in the time domain.

It is about a transient response of the system that translates from the initial state to a later state characterized by higher values of the measured parameters. This aspect is a sign of the elimination of intrapsychic conflicts manifested in the state prior to the application of the psychotherapeutic technique.

The QDP psychotherapeutic technique has had positive effects resulting in a structural reorganization of the human psyche.

Human performance has significantly improved when, through the deconditioning action, even partially accomplished, intrapsychic conflicts are annihilated, eliminated or neutralized.

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