

**ACUPUNCTURE-BASED AND CONSCIOUSNESS-BASED HOLISTIC MEDICINE:
QUANTUM-INFORMATIONAL PSYCHOSOMATIC FRAMEWORK**

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Abstract. The subject of this lecture is integrative quantum-holographic framework for psychosomatics. This is of special importance because of wider application of integrative medicine in developed countries, as contemporary research of psychosomatic diseases indicates the necessity of application of holistic methods, oriented to the healing of man as a whole and not diseases as symptoms of disorders of this wholeness, implying their macroscopic quantum origin. In the focus of these holistic methods are body's acupuncture system and consciousness – which as macroscopic quantum biosystem have (fundamental!) quantum-informational structure of quantum-holographic Hopfield-like associative neural network, within the Feynman propagator version of quantum mechanics. So it seems that Nature has chosen elegant room-temperature quantum-holographic information processing, permanently fluctuating between quantum-coherent state and classically-reduced state of various biological hierarchical levels: from the level of cell, to the level of organism, and further to the level of collective consciousness, with biofeedback dynamic influence on gene expression. In the context of quantum-informational therapies, their goal would be a bioresonant excitation of the target palpatory-painful/psychologically-traumatic state of the acupuncture system/consciousness (as one of hundreds possible disordered states!) thus enabling that its initial memory attractor is bioresonantly excited becoming more shallower and wider on the account of deepening of the energy-dominating attractor of healthy palpatory-painless/psychologically-normal state of the acupuncture system/consciousness. This might have significant psychosomatic implications on necessity of including three front lines of integrative psycho-somatic medicine: (i) Spirituality and circular (psycho / energy) therapies from all relevant meta-positions, with possibility of permanent erasing of mutual memory attractors on the level of collective consciousness; (ii) Eastern (quantum) holistic medicine and non-circular (psycho / energy) therapies, whose efforts temporary erase memory attractors on the level of acupuncture system/individual consciousness, and prevent or alleviate their somatization, as a consequence of the indolence on the first level; and (iii) Western symptomatic medicine, whose activities on the somatic level via immunology, pharmacology, biomedical diagnostics and surgery hinder or soothe somatized consequences of the carelessness on the first two levels. The presented integrative quantum-holographic framework for psychosomatics might have significant holistic implications, providing fundamental quantum-informational framework for better understanding of the nature of psychosomatic diseases as well as limitations of the healing methods, which might help in developing strategies for integrative psychosomatic medicine in the 21st century.

Keywords: *quantum-informational medicine, quantum-holographic informatics, integrative biophysics, acupuncture system, individual consciousness, collective consciousness*

1. Introduction

Contemporary medicine has put its emphasis on „alopathic-dosed non-economic“ highly pharmaceutical-oriented medicine technologies. On the contrary, in the past years more attention is paid to bioadequate „homeopathic-dosed economic“ bioresonant quantum-informational medicine technologies, related to usage of such values of the field energy, appearing in normal functioning of human organism [1–9]. On these lines, contemporary investigations of psychosomatic diseases imply the necessity of application of holistic methods, oriented to healing the person as a whole and not disease as a symptom of disorder of the whole, suggesting their macroscopic quantum origin [3-9].

In the focus of these quantum-holistic methods are body's acupuncture system and consciousness – which have quantum-informational structure of quantum-holographic Hopfield-like associative neural network, within the Feynman propagator version of quantum mechanics [10] – with very significant quantum-holographic psychosomatic implications [3-9]. In this context, it should be noted that Resonant Recognition Model (RRM) of biomolecular recognition implies that on the biomolecular level information processing is going on in the inverse space of Fourier spectra of the primary sequences of biomolecules [11,12], similarly to (quantum) holographic ideas that cognitive information processing is going on in the inverse space of Fourier spectra of the perceptive stimuli [13,14], thus supporting idea on quantum-holographic fractal coupling of various hierarchical levels in biological species (cf. Fig. 1).

2. Quantum-holographic framework for psychosomatics

In the context of quantum-informational bioresonant therapies [3-9,15–20], their goal would be a external resonant stimulation of the corresponding band of electromagnetic (EM) spectrum of microwave/ultralowfrequency-modulated radiation of the treated psychosomatically disordered (palpatory painful) state (as one of hundreds possible disordered states) thus enabling that its initial memory attractor is resonantly excited becoming more shallower and wider on the account of deepening of the (energy-dominating) attractor of healthy acupuncture (palpatory painless) state (cf. Fig. 1) – which is then altogether quantum-holographically projected on the lower EM quantum-holographic cellular level, thus changing the expression of genes [3-8]. In this context, homeopathy might be also categorized into quantum-informational bioresonant therapies, as (non)disolved homeopathic diluted substance [19–23] with characteristic EM memory-attractor states (like any other substance, as demonstrated by muscle test of the Applied kineziology [24]), can interact with macroscopic quantum-sensory EM level of the acupuncture system/consciousness and imprint in there its program of homeopathic correction.

On the other hand, in the context of quantum-informational meridian (psycho)therapies [3-8,25,26], via simultaneous effects of visualization of the treated (psychologically traumatic) problem and tapping/touching upon the selected acupuncture points, new boundary conditions are imposed in the energy-state space of the acupuncture system/consciousness, and memory attractor of the initial psychosomatic disorder becomes shallower and wider, with greater overlap and followed associative integration into memory attractor of normal (energy-dominating) ego-state (cf. Fig. 1). In this context, techniques of energy healing of the acupuncture system/consciousness [27-30], positively-visualizing meditation healing [31,32], and various psychotherapeutic techniques for recognition/integration of psychological conflicts and personality growth [33-36]) might also be categorized into quantum-informational therapies, via introspective emotional/traumatic excitation with imposed new (psychologically healing) boundary conditions in the energy-state space of the acupuncture system/consciousness.

In the same context it is important to make half-a-year diagnostics and balancing of the acupuncture system, whose disbalance presumably originates from the restituted patient's mental loads from his non-reprogrammed mental transpersonal environment of the quantum-holographic collective consciousness [3–8] (as supported by the Tibetan pulse diagnostics, enabling precise diagnosis of psychosomatic disorders not only of the patient himself but also of his family members and enemies [37,38]). This implies that memory attractors of quantum-holographic network of collective consciousness might be treated as psychosomatic collective disorders which represent generalized field-related quantum-holistic records (including inter-personal finally-reprogrammable nonlocal loads, via hesychastic prayer or circular psychotherapies from all relevant meta-positions included in the problem [3–8]) – which might represent basis of quantum-informational medicine of collective consciousness (cf. Fig. 1).

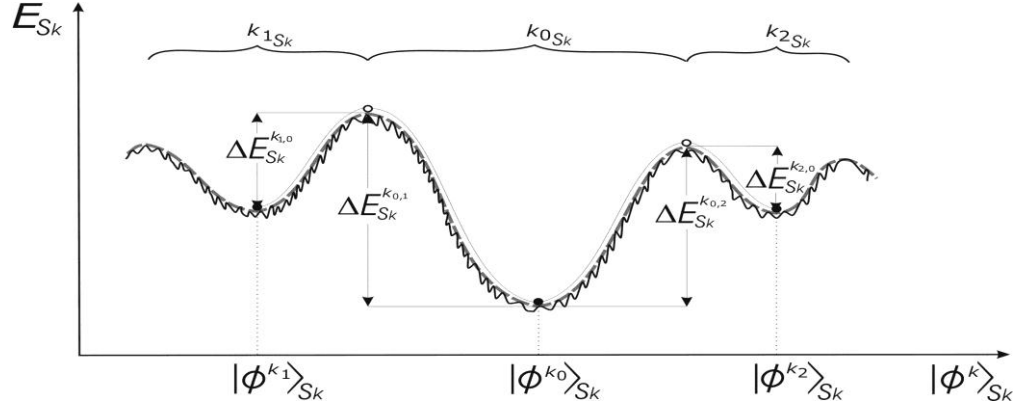


Figure 1. Schematic presentation of the adaptation of memory attractors in the energy-state ($E_{S_k}(\phi^k)$) hypersurface of the quantum-holographic memory/propagator of various hierarchical levels of biological macroscopic open quantum systems S_k (local cell's protein-target biomolecular one, local acupuncture system/consciousness, or nonlocal out-of-body consciousness/collective consciousness) [3–8]:

$$G(r_2, t_2; r_1, t_1) = \sum_{i=1}^P \phi^{k_i}(r_2, t_2) \phi^{k_i*}(r_1, t_1) = \sum_{i=1}^P A_{k_i}(r_2, t_2) A_{k_i}^*(r_1, t_1) e^{\frac{i}{\hbar}(\alpha_{k_i}(r_2, t_2) - \alpha_{k_i}(r_1, t_1))}$$

It should be pointed out that quantum decoherence presumably plays fundamental role in biological quantum-holographic neural networks, through presented energy hypersurface shape adaptation, equivalent to permanent solving of Feynman propagator version of Schrödinger equation by the open macroscopic quantum system S_k exposed to continuously changing boundary conditions (in contrast to low-temperature artificial qubit quantum processors where decoherence must be avoided until the very read-out act of quantum computation) – which implies that Nature presumably has chosen elegant room-temperature solution for quantum-holographic information processing (from the level of cell – to the level of organism – and further to the level of collective consciousness), permanently

fluctuating between quantum-coherent states $|\phi^k(t)\rangle_{S_k} = \sum_i c_{k_i}(t) |\phi^{k_i}\rangle_{S_k}$ and classically-reduced states $\hat{\rho}_{S_k}^k(t) =$

$\sum_i |c_{k_i}(t)|^2 |\phi^{k_i}\rangle_{S_k} \langle \phi^{k_i}|$ of the open macroscopic quantum system S_k , through non-stationary bioresonance

interactions with out-of-body farther environment and through decoherence by bodily closer environment of biological open macroscopic quantum system S_k . It should be also pointed out that the proposed quantum-holographic/quantum-decoherence model might serve as bioinformational basis of Quantum-informational medicine (QIM) related to acupuncture system/consciousness and its psychosomatic states [3-8]. So, for instance, during application of some QIM-therapy for transferring disordered acupuncture system/consciousness S_k from the psychosomatically disordered excited state $|\phi^{k_2}\rangle_{S_k}$ (as one of hundreds possible disordered states [38]) into the attracting healthy ground state $|\phi^{k_0}\rangle_{S_k}$,

it is necessary during the bioresonance external action (T_{ext}) to provide external energy of the QIM-source (similar to annealing procedure in artificial neural networks [39]) for skipping over potential barrier of the (acupuncture palpatory-painful or psychologically traumatic!) disordered state ($\Delta E_{S_k}^{k_2,0}$), which after relaxation process (T_{rel}) of taking-off the excess external energy ($\Delta E_{S_k}^{k_0,2}$), gives rise to condition of the completed quantum state change of the acupuncture system/consciousness, with additional decoherence time (τ_D) and decrease of one quantum of energy in the state $|\phi^{k_2}\rangle_{S_k}$ and increase of one quantum of energy in the state $|\phi^{k_0}\rangle_{S_k}$. By multiple repeating of this process, the depth of

the memory attractor k_2 is getting shallower in favour of deepening of the attracting healthy state k_0 , finally giving rise to complete erasing of the psychosomatic disorder $|\phi^{k_2}\rangle_{S_k}$ and deepening of the healthy state $|\phi^{k_0}\rangle_{S_k}$, i.e. dynamic

modification of the potential hypersurface of the acupuncture system/consciousness, in full analogy with the situation of learning classical Hopfield associative neural networks.

3. Discussion

It should be pointed out that on all quantum-holographic hierarchical levels of biological macroscopic open quantum systems S_k (local cell's protein-target biomolecular one, local acupuncture system/consciousness, or nonlocal out-of-body consciousness/collective consciousness), there exist *two* (interacting) macroscopic quantum subsystems [4-6]: first with *modifying many-electron hypersurface* $E_e(\phi_e^{(k)})$ and second with *modifying EM multi-phonon hypersurface* $E_v(\phi_v^{(k)})$.

It should be added that an energy hypersurface of multi-phonon quantum state might also include low-energy long-range coherent microwave Frohlich excitations (created as a result of interaction of electronic and phonon subsystems [40-42]), of particular significance in microwave resonance therapy (MRT) of a dynamic modification of the EM multi-phonon (and related many-electron) acupuncture macroscopic quantum subsystem [3-9,16-18].

The mentioned quantum-holographic picture implies that quantum-holographic hierarchical parts carry information on wholeness, enabling subtle *quantum-holographic fractal coupling* between different hierarchical biophysical levels – including various acupuncture projection zones and corresponding organs and cells, with underlying *macroscopic quantum-informational control mechanisms of embryogenesis/ontogenesis and morphogenesis* and their backward influence on the *expression of genes*, starting from the first fertilized cell division which initializes differentiation of the acupuncture system of (electrical synaptic) "gap-junctions" [3-9].

This underlying quantum-coherent nonlocality might be of fundamental importance in understanding macroscopic (quantum)holistic very nature of *psychosomatic health and diseases* as well [11] – implying also a *fuzzy borderline* between quantum coherent (nonstationary) and semi-classical decoherent (stationary) manifestations of macroscopic quantum-informational *acupuncture system* and *consciousness* (as well as any macroscopic condensed-state physical (sub)system), and their *close relationship* with significant psychosomatic-cognitive implications [3-9,43].

4. Conclusion

The presented integrative quantum-holographic framework for psychosomatics might have significant holistic implications, providing fundamental quantum-informational framework for better understanding of the nature of psychosomatic diseases as well as limitations of the healing methods, which might help in developing strategies for integrative psychosomatic medicine in the 21st century.

Thus, it might be said that three front lines of integrative psychosomatic medicine do exist [3–8]: (1) Spirituality and circular (psycho)therapies from all relevant meta-positions, with possibility of permanent erasing of mutual memory attractors on the level of collective consciousness; (2) Eastern (quantum) holistic medicine and non-circular (psycho)therapies, whose efforts temporarily erase memory attractors on the level of acupuncture system/individual consciousness, and prevent or alleviate their somatization, as a consequence of the indolence on the first level; and (3) Western symptomatic medicine, whose activities on the somatic level via immunology, pharmacology, biomedical diagnostics and surgery hinder or soothe somatized consequences of the carelessness on the first two levels.

Hence, necessary activities on the second and third levels, with neglect of the first level, might have a consequence of further transfer of memory attractors on the level of individual and collective consciousness in this and further generations, thus accumulating quantum-holographic loads which afterwards might cause not only illnesses, but also inter-personal fights, wars, and other troubles.

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