Oncothermia combination with Traditional Chinese Medicine: network approach

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**Background:** Acupuncture and their connective pathways the meridians are ancient Chinese knowledge but it is not understood yet in details [1]. Request of the stable homeostasis of the complex organisms is demanding interdisciplinary approach and new paradigm for the topic. The detecting and reconstructing the deviation from the normal balance of the homeostasis is the basic principle of TCM. The Chinese herbs, the physical (mechanical or electromagnetic acupuncture, acupressure) and mixed forms of heating and diffusion therapies (moxa therapies) approaches are pointing these problems, and solving it with ancient methods. Oncothermia method (OTM) uses also the deviations from the normal homeostasis for selecting the tumor cells and on this basis ignite natural processes to eliminate them from the system, reestablishing the communication harmony between the cells [2]. This technique [3] is well proven from the laboratory level to the clinical applications [4]. Our aim is to synergize the TCM with OTM on the common basis of equilibrium demand; and use the recognition of the deviations from the complex harmony of the organism or its part for selection to act properly.

**Method:** An extended network approach was presented in the topic [5], and we would like to continue our research on this basis. The in silico studies will have their roots from the network analysis together with the modern fluctuation theory for complex living organisms (fractal-physiology) was developed in the last decades to study this complexity: like self-organization ([6], [7], [8], [9]), fractal physiology ([10], [11], [12], [13]), and the bioscaling ([14], [15], [16]). Oncothermia widely uses these new scientific results [17], [18]; as well as the resonance phenomenon is studied and used in the light of a new theory [19], and special vector-potential theory [20], [21], [22] helps to complete the method. The problems of the thermal limit in the deep-seated tissues is theoretically [23] and experimentally [24] solved, so it has no any barrier for the wide investigations in synergy experiments. TCM involves electro-acupuncture and laser acupuncture, which are similar in their electromagnetic (conductive) approach to oncothermia effects. The in vivo studies will be performed using a BalbC/nu/nu mice xenograths; using specialized experimental setup (EHY110, Histech). The effects will be studied histomorphologically (HM) and immunhistochemically will be performed using a BalbC/nu/nu mice xenografts; using specialized experimental setup (EHY110, which are similar in their electromag netic (conductive) approach to oncothermia effects. The in vivo studies will be performed using a BalbC/nu/nu mice xenograths; using specialized experimental setup (EHY110, Histech). Oncothermia combination with traditional Chinese medicine: network approach

**Conclusion:** Recognition of the distortions in the healthy tissue have some common principles and possibilities in TCM and OTM. The synergy of the ancient knowledge and the high-tech state-of-art of the medical knowledge could be established with this research.

**References**

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