



## What is Acupuncture in Fact? Yin and Yang

### Aslında Akupunktur Nedir? Yin ve Yang

Acupuncture, Yin and Yang

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#### To the editor:

Force and matter, particles and waves, motion and rest, existence and non-existence, these are some of the opposite or contradictory concepts which are transcended in modern physics. Of all these opposite pairs, the last seems to be the most fundamental, and yet, in atomic physics we have to go even beyond the concepts of existence and non-existence. At the same time, the transcending of the concepts of existence and non-existence is also one of the most puzzling aspects of Eastern mysticism [1]. Turkish philosopher, Biruni, Mevlana, Yunus Emre says, it is the active principle of the play, the total universe in action, where everything is dynamically connected with everything else. All this rhythm and changes starts with stimulus. What are we doing with acupuncture? We give stimulus our skin. While we sunk the needle into skin, nearly all of our body starts the rhythm. Acupuncture effects through changes in cellular activity, gene expression, enzymatic activity and organs homogeneity in multiple remote tissues. How could it be possible? If we evaluate the skin with embryological view, seen the epidermis develops from the surface ectoderm. The dermis, develops from the underlying mesenchyme [2]. Why important this condition. Because, interaction between mesenchyme and epithelium are classical examples of inductive interactions. These are instrumental for the development of lung, kidney, liver, tooth, and most glandular organs such as the mammary, salivary and pancreatic glands. In these organs, branched epithelial sheets arise from a small epithelial bud, which in response to signals from mesenchyme starts to grow, differentiate and branch [3]. Endodermal and mesodermal stimulation and their expressed genes and molecules are stimulate to organ develope. So, every organ in our body, content mesodermal and endodermal origin, that affects with each other. And these organs innervation belong to ectodermal origin, just like trilaminar germ disc connections in gestational third week [2]. In addition, while sunk the needle into skin, we starts a new consciously ectodermal-mesodermal communications. In other words, insert the needle into skin, starts a consciously trauma and inflammatory response. And, some group of polypeptide growth factors includes fibroblast growth factors which stimulate cell proliferation is mainly restricted to cells from mesodermal and neuroectodermal origin, including endothelial cells [4]. In other words, expressed factors stimulate mesodermal cells. While sunk the needle, stimulate whole organs and cells. Now, may be, understand the traditional Chinese medicine energy flow system and Yin and Yang. The Eastern philosophies are concerned with timeless mystical knowledge which lies beyond reasoning and cannot be adequately expressed in words. The relation of this knowledge with modern physics, embryology, developmental biology, teology and epigenetic sciences are.

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