An overview of microwave resonance therapy and EEG correlates of microwave resonance relaxation and other consciousness altering techniques


References:

Abstract:
Microwave Resonance Therapy (MRT) is a novel medical treatment, which represents a synthesis of the ancient Chinese traditional knowledge in medicine (acupuncture) and recent breakthroughs in biophysics. Affecting the appropriate acupuncture points by the generation of high frequency microwaves (52-78 GHz), remarkable clinical results of the treatment are being achieved. In this paper the quantum-like macroscopic biophysical bases of the MRT are elaborated too, offering a new insight in the mechanisms of the assembling gap junction hemichannels upon the internal microwave (MW) electromagnetic field spatio-temporal maximums at the temporary position of the acupuncture system, and hence the very biophysical nature of the temporary psychosomatic health or disease. Such a picture also supports the EM/ionic "optical" ultralowfrequency modulated MW quantum holographic neural network-like function of the acupuncture system (similar to complex-valued oscillatory holographic Hopfield-like neural networks), and its essential relation to consciousness, as strongly suggested from biophysical modeling of altered states of consciousness. Finally, our electroencephalographic investigations showed more or less characteristic EEG features in many subjects of relaxation induced by microwave resonance therapy applied to corresponding acupuncture points, as well as by some other activities which may alter consciousness (transcendental meditation, musicogenic states, healer/healee noncontact interaction, drowsiness), demonstrating that EEG may permit rapid and reproducible identification of different states of consciousness, useful in evaluating the effectiveness of consciousness altering techniques and related stress reduction.

Keywords:
Acupuncture, Microwave resonance therapy (MRT), alert wakefulness/drowsy wakefulness., Microwave resonance relaxation, Some other consciousness altering techniques (transcendental meditation, healer/healee interaction, EEG correlates, musicogenic states, Biophysical basis