

P-106

THE SPECIFIC FREQUENCY MAGNETIC FIELD MEDICAL-BIOLOGICAL EFFECTS.

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INTRODUCTION.

We have 30 years experience of using static and electromagnetic fields (EMF) with various induction and frequency. During last years we had possibility to use therapeutic EMF devices "Viofor" (Poland) generating modulated low frequency EMF's and "Deta" (Russian) generating different frequencies EMF specific for different diseases and injured organs.

OBJECTIVE.

The aim of this study was to assess the effects of low intensity EMF with various frequencies or specific resonance frequency on the clinical status and physiological and biochemical reactions of treated patients.

METHOD.

We used electromagnetic apparatus "Viofor" generating modulated low frequency electromagnetic fields, the induction does not exceed 70 μ T. The exposure lasted 8-12 minutes 1-2 times per day. The course lasted 10-20 days. With a part of patients this therapy was combined with other electromagnetic devices, with laserotherapy and as a monotherapy method as well. This method was used with 400 patients of both sex suffering from various diseases.

Device "Deta" generates impulse EMF in range from 0,9 to 100 Hz. Specific frequencies of various organs and pathological processes earlier were investigated with a help of electroacupuncture method. These frequencies have been applied for creating "Deta" treatment programs. Each program comprises from 5 to 7 frequencies, each frequency lasts from 5 to 7 minutes. The treatment course lasted from 1 to 2 months. The apparatus "Deta" has been applied to 150 patients and to 45 patients it was applied at home with our observation.

RESULTS.

The patients treated by modulated EMF ("Viofor") significant decrees of muscular tension and spasticity, increase a muscle contraction force, improvement of gait were observed. It is important that we have observed decrease of muscle tonus in patients with parkinsonism, arthrogryposis.

The majority of patients showed improvement in various degree after exposure of "specific frequency fields" generated by "Deta". We have observed improvement in patients with bronchial astma, with disturbance of hearing and tinitis, decrease of high blood sugar level in patients with diabetis 2. There are specific resonance frequencies that help to fall asleep, decrease the stress and depression.

The results of the treatment depended not only on the parameter of the fields but also of the individual sensitivity of the organism. We have noted variable reactions of subjective status and cardiovascular systems in different days, which partly depend on the climatic conditions and especially on geomagnetic field (during solar storms).

CONCLUSION.

Our experience of electromagnetotherapy allows us to recommend the treatment with both ways of our applicated electromagnetotherapy: applying modulated low frequency EMF and EMF device generating large diapason of specific resonance frequency EMF for various diseases and damaged organs.