

THEORY AND CLINICAL APPROACHES TO CHRONIC BACK PAIN BY SYNCHRONISM AND ENTRAINMENT

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Abstract

Vibrations and rhythms, as a result of organs and single cells, are well known in the field of clinical medicine. Also their changes until a total stop (death) have been described for decades.

In cardiology and sports medicine for example it is well established to use time patterns (cell vibrations as a result of cell activity) for diagnostics.

On the other hand, to use time patterns (electrical, magnetical, mechanical, gravitational) specifically for therapy is new and opens the new field of vibrational and regenerative medicine.

Biophysics (Synergetics, Cybernetics, non linear thermodynamic of irreversible processes, Chaos-Theory) of today gives the idea how biological structures are the result of physico-chemical processes, that are driven by body intrinsic and / or body external rhythms. Such bio-informative fields interact the whole span of life and stabilize dynamically.

In the early 90th we already showed in high resolution videomicroscops cellular oscillations depending from the biophysical environment. More and more we recognized, that geometry can be seen as the informational link between time- and space-pattern and that by “entrainment” body-rhythms and physicochemical processes are locked into phase.

Next Step was to find out how far “basic evolutionary time patterns”, regarded as natural conductor-frequencies are disturbed in diseases like chronic back pain and how far such attractors can be systematically and continuously restored beginning from microscopic cellular level and brought back to a synchronous cooperation on macroscopic level.

Skeletal muscle clearly shows “bifurcation like” behaviour during contraction. The muscle turns either into quivering (rescue) mode or cramping, hardening (injury) mode. This injury mode is clinically seen in low back pain patients.

Following this dynamic approach the Matrix-Rhythm-Therapy, a “Rhythmic Micro-Extension-Technique”, was developed, that turns the injury mode into rescue mode by entrainment. For the first time the so far neglected time-structure (time-pattern) of the organism is directly used as order parameter for the treatment.

This innovation got the PCT and US patent and is used in present day modern medicine. Clinically evaluated studies have been done in governmental rehabilitation-clinics of the RVA and also at DaimlerChrysler, Stuttgart.