

Abstract

3rd International Congress of the Hellenic Society for Breast Cancer
Research (HSBCR)
June 12 -June 16, 1997 Alexandroupolis - Greece

HISTOLOGICAL CHANGES OF THE OPERATED BREAST (CELL-MATRIX AND CELLS)

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Nonlinear thermodynamic-, Cybernetic- and Synergetic aspects of Carcinogenesis

Pathogenesis of breast carcinomas, discussed from a cybernetic, control-technical aspect, can be described as a result of decompensated regulatory mechanisms which occur subsequent to threshold-value reactions at micro levels (base acid content, temperature dielectric properties susceptibility).

They are the consequences of phasic transition due to processes of adaptation to a chronically altered milieu or function, the ultimate result of which is the loss of temporal-rhythmic organization, i.e. chaotic mutation of cellular dynamics. Thus, breast carcinoma can be classified as chronic- or "dynamic disease" and as reversal of „Symbiogenesis“.

Consequences to prevent recurrences of carcinomas

Depending from extension of the operation the terminal vessels that feeds the connective tissue (matrix), which is in close contact with the lymphatic and nervous system, is more or less destroyed after operation. As soon as possible the cells of the operation area have to be brought back to normal cellular function and regulation to avoid recurrences. That means firstly regeneration of cellular matrix.

Video-microscopy of unstained tissue probes shows that the flowing equilibrium, which sustains cell-life, must be functionally restored to adapt to the required extend of performance. In this several control processes work together in a complex cybernetic system. Most important is the adaptation of the cellular microenvironment, the regulation of the pH, directly at the membrane surfaces. From basic research we concluded that by focusing directly microcirculation therapeutically will enhances the chance to avoid fibroses and recurrences.

So we used the Matrix-Rhythm-Therapy (MaRhyThe) developed for problems in trauma-patients, for the first time in different breast diseases. With a particularly constructed resonator coherent, mechano-magnetical waves are applied to the tissue to readapt processes to normal.

We used it in patients pre- and post-operatively in the breast-organ,
Our preliminary results on patients having mastitis, or being in a pre-or postoperative situation even after radiation show quick benefits in a reduction of pain, resorption of swellings and lymphatic edemas as well.