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Information concerning the integration of the BEMER-therapy as part of an overall complementary medical concept in the treatment of tumor patients

Operations, radiation treatment and chemotherapy are proven methods used in clinical medicine to reduce tumor tissue. However, these procedures often have a very negative impact on the quality of life and harm the immune system. Therefore tumor patients, in addition to the desired oncological primary treatment, should also have a recidivist and metastasal treatment. This procedure would be adapted to the individual's biological therapy concept and have the goal of stabilizing the weakened cellular and humoral immune system.

The positive effects of magnet field therapy have been known and described in numerous scientific articles over the past few decades. Due to the technological development of modern equipment, a broader base of people can now be treated using these important tools. This contributes to an improved quality of life for the patients, free of side effects. Due to the extreme variations in electromagnetic fields, it is impossible to make any general statements as to its efficaciousness. However scientists do agree on the following points:

- Basic functions characterizing life are couple to electromagnetic interaction (reciprocity), eg metabolism, muscle activity, sense perception, a highly developed neurological system.
- Living systems require external magnetic and electromagnetic fields, such as the earth's magnetic field and sunlight, in order to maintain vital life functions.
- Electromagnetic fields can affect life functions.

Whether or not these influences on the organism and its method of functioning are beneficial or detrimental depends largely on the method, the flux density and duration of exposure to the field.

The BEMER 3000-System uses a lower frequency, pulsating static magnetic field, which can optimally provide the body with vital electromagnetic energy. This effect is of special importance with malignant tumors since the patient's organism is no longer bioenergetically balanced and can be further affected negatively by intrusive therapeutic measures.

Based on the scientifically proven mechanisms listed below, the BEMER-Therapy can contribute to the stabilization, or improvement, over a wide range of parameters that affect the overall condition of the patient and can make a significant contribution towards the improvement, or maintenance, of the tumor patient's quality of life.

1. Increase of the reaction capability of molecular and submolecular structures in the organism by means of an until now unique broadband signal that generally makes it easier to initiate a wide spectrum of chemical reaction processes (Kafka, WA).
2. Electromagnetically induced activation of HSP 70, resulting in a synthesis of the special proteins necessary for repairs (Jelinek, R), and improved and faster healing of wounds (Preissinger, M).
3. Increase of the circulation, down to the microcirculation (Michaelis, H), resulting in an increase of oxygen partial pressure and the unclotting of erythrocyte clusters into the blood (Malkomes, Ch), improved metabolism of the red blood cells through the filling up of the ATP- and other energy rich phosphate storage depots (Spodaryk, K). Low-

ered blood pressure and a reduction in pulse frequency and vegetative relaxation (Michels-Weikili, S) are of basic importance for the overall improvement of the patient's condition, as well as for the regeneration and activation of the immune system.

4. The side effects of chemotherapy and radiation treatment can be softened and the body can better compensate.

Supplemental information: The BEMER-Therapy can be recommended as an integral part of a complementary medical treatment of tumors and post-tumor treatment. In accordance with the European Observation and Reporting System for medicinal products, there is no indication that the BEMER-Therapy could be involved in the creation or growth of a tumor.

Recommended use of the BEMER-Therapy as a complementary therapy for post operative treatment, radiation treatment or chemotherapy

	During chemotherapy or radiation treatment	General recommendations between and after chemo- or radiation therapy cycles
Morning	Mat at Level 3	Mat corresponding to BP
Day	Mat at Level 3	Mat at Level 10
Day	Mat at Level 3	Mat corresponding to BP
Evening, shortly before bedtime	Mat at Level 1	Mat at Level 1

To expedite wound and scar healing after an operation, the use of intensive applicators containing P4 is recommended.

To support liver functions during and up to 3 weeks after chemotherapy, intensive applicators with P4 can be applied.

During radiation therapy an intensive applicator with P2 can be applied to the area radiated in order to reduce local side effects and pain.