

BEMER Therapy and Bronchial Asthma

The cardiovascular and respiratory systems assure that all of the body's cells are provided with sufficient oxygen at all times and that the carbon dioxide produced during the metabolic process can be removed; this happens via the gas exchange in the lungs and the gas exchange between the blood and the cells.

Aside from a well functioning respiratory mechanism and normal environmental conditions, a physically healthy and intact bronchial system and lung tissue, as well as sufficient circulation of the lungs and certain attributes of the blood are critical to the optimal oxygen supply and thereby the capacity of the body. If only one of these components becomes affected by more or less severe damage, the oxygen supply of the entire body becomes compromised. Conversely, an improvement of function in any of these parameters will have a positive effect on the oxygen supply. In addition to treating diseases and their symptoms, optimizing the body's oxygen supply is gaining increased importance among preventative and wellness therapy options.

All bronchio-pulmonary diseases (caused by allergies, inflammation, degenerative disease, functional disorders, tumors, etc.) have one thing in common – they lead to a decrease in oxygen supply. Bronchial Asthma (Greek: shortness of breath / breathlessness) is a chronic inflammatory disease of the deep lying airways (bronchi). In those affected, the bronchi overreact to certain irritants, which leads to acute swelling and increased mucus production in the bronchial mucous membranes along with spasms of the bronchial muscles. The symptoms are bouts of breathlessness with considerable difficulties exhaling accompanied by wheezing and rattling noises, coughing spells that produce a stringy, clear mucus, and a fear of suffocation or death in more severe cases. Over the course of the illness, increased bouts of breathlessness and coughing may occur between acute attacks. Long-term severe bronchial asthma can lead to emphysema or right-sided heart failure (Cor pulmonale).

Allergic (exogenic) bronchial asthma is caused by specific substances, the most common ones being pollen, animal hair, dust and dust mites, fungi, chemicals, food, etc.. Non-allergic asthma is caused by a variety of unspecific agents like tobacco smoke, cold air, air pollution, stress or physical exertion (exercise induced asthma). Illnesses caused by viral and bacterial infections of the airways can lead to infectious endogenous bronchial asthma.

The most important measure in preventing allergy-related asthma is the avoidance of activating substances (allergens) as well as to stop smoking and limiting exposure to second hand smoke. Additionally, it is important for asthma patients to know that they should avoid medications containing acetylsalicylic acid (aspirin) when experiencing pain or fever. These medications can provoke asthma attacks just like cortisone-free anti-rheumatic pharmaceuticals and beta blockers.

Long-term drug treatment in the form of inhalers or pills is utilized only for advanced and severe cases of respiratory illness. The various medications mainly have an anti-inflammatory effect and reduce the sensitivity of the bronchial mucous membranes. Acute asthma attacks usually are treated with drugs that instantly dilate the bronchi – administered through an inhaler or nebulizer. In extreme cases it may be necessary to

administer glucocorticosteroids and oxygen. Education of the patient is extremely important, including information on how to manage the condition and the medications, as well as the teaching of appropriate breathing and relaxation techniques.

BEMER-therapy can be used to improve the circulation and to give general support to the body's self-regulatory mechanisms. Through the following scientifically proven effects, BEMER therapy can lead to the improvement or stabilization of physical well-being and can contribute significantly to the complementary treatment of bronchial asthma:

- § Positive physiological effect on the condition of microcirculation, and increased utilization of oxygen in the capillary tissue
- § Positive effect on the protein biosynthesis (repair proteins)
- § Improved micro-hemodynamic conditions for the first steps of immunological processes, and thereby in indirect strengthening of the body's own defense mechanisms
- § Positive effect on the vegetative nervous system

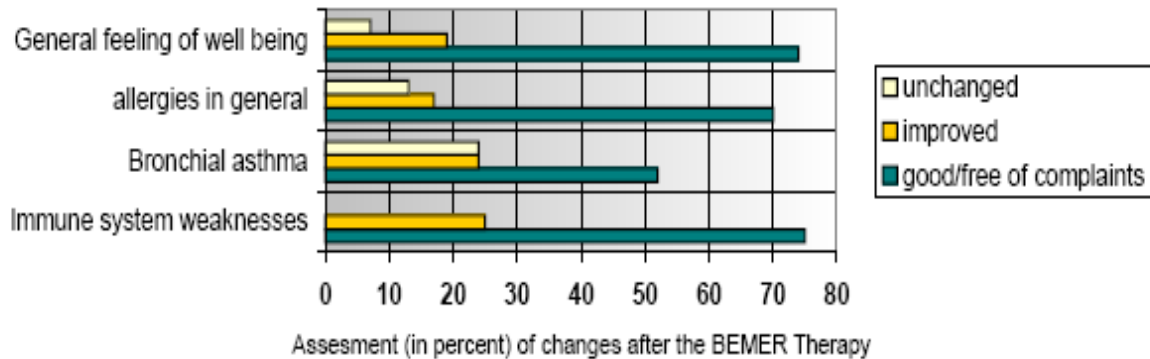
BEMER therapy is a complex method that optimizes energy production by the individual cells(ATP) through improved circulation and increased oxygen utilization, thereby contributing to the overall regulation of the body's metabolism. It is therefore an important and essential foundation for strengthening the body's self-healing mechanisms, supporting other treatment measures in the environment of a holistic approach, and increases effectiveness of clinical treatment concepts. The harmonizing and relaxing effects can be a significantly positive factor for the vegetative nervous system and the bronchial muscles.

User recommendations for BEMER therapy with bronchial asthma

- One to two times a day (morning and evening) on the mat according to the basic program
- For infectious and allergy-related asthma add one time on the mat on level 10
- For functional disturbances of the lung tissue use of the intensive applicator or coil cushion over the lungs is recommended
- During an acute asthma attack, the intensive applicator or coil cushion can be used initially with P1 and immediately following with P3 over the sternum or between the shoulder blades

A European physician's user study under the direction of the AFB documented the effects of the electromagnetic field of the BEMER 3000 therapy system
A total of 2032 cases of illness were documented. The following diagram represents a summary of 283 cases with an average therapy time of 6 weeks.

Excerpt from the physician's user study with the BEMER 3000 therapy system



Literature and studies:

Gesundheitsberichterstattung des Bundes: *Spezialbericht Allergien*. (2002)

Klopp, R.: *Magnetfeldtherapie: Komplementär-therapeutisch sinnvoll oder Unsinn?* Institut für Mikrozirkulation Berlin (2005)

Michaelis, H.: *Ärztliche Anwenderstudie 09/03*. Akademie für Bioenergetik (2003)

Michels-Wakili, S., Kafka W.A.: *BEMER 3000-typisch gepulste elektromagnetische Felder niedriger Energie reduzieren Zahnarztangst* (2003)

http://www.akdae.de/35/10Hefte/86_Asthma_2001_1Auflage_K.pdf

<http://www.universimed.com/stage/networkcenter.php>

Please note: Broad acceptance of medical products generally takes several years. We are committed by law to advise you that the effectiveness of electromagnetic fields is still being discussed controversially and has not been commonly accepted.