

USE OF BEMER THERAPY WITH MULTIPLE SCLEROSIS

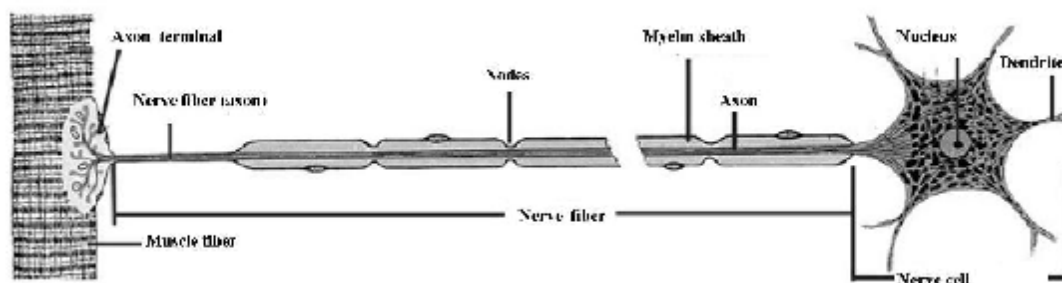
Multiple sclerosis is one of the most prevalent diseases of the nervous system that can affect all areas of the central nervous system and the spinal cord. It is characterized by tissue damages in the coating (myelin sheath) of certain nerve fibers. The circular lesions (demyelination) in the walls of the myelin sheath lead to disturbances in nerve conductivity. This results in a number of neurological deficits that vary depending on the affected areas.

Occurrence of the disease peaks between the age of 20 and 40, and women are affected more often than men. One remarkable fact is that MS is more prevalent in cold or moderate climates than in warmer regions. About 80% of those affected display the characteristic course of the disease in exacerbations or relapses that can develop over the course of days to several weeks, and then subside. Usually after a relapse some more or less pronounced disorders remain. About 20% of the time MS appears in the more slowly developing chronic progressive form. In both cases, the progression of the disease can be spread out over decades.

The symptoms can be many-fold and often are not all that characteristic. Initially there may be vision disturbances like double vision or blurred vision. In subsequent stages there can be partial or complete paralysis of the arms and legs, changes in skin sensation, bladder and bowel difficulties, problems with coordination and balance, as well as changes in speech so that it sounds drawn out, with incorrect syllables being emphasized, or with outburst-like pronunciation.

Although many risk factors for multiple sclerosis have been identified, no definitive cause has been found. MS likely occurs as a result of some combination of both environmental and genetic factors. Various theories try to combine the known data into plausible explanations. Although most accept an autoimmune explanation, several theories suggest that MS is an appropriate immune response to one or several underlying conditions like viral infections, toxic environment, etc. MS patients frequently show an increased level of mercury in their bodies as well as other toxic substances.

Due to the wide variety of physical and mental symptoms, diagnosis is often prolonged and can take several years. Generally, the recurring relapses become apparent and the attending physician will try to reconstruct the progress of the disease. Some of the clinical tests available are lumbar puncture to collect and test cerebrospinal fluid, MRI to show lesions (demyelinations), and tests that measure the speed of nerve conductivity.



There is no treatment for the causes of MS. During acute relapse phases anti-inflammatory medications are given and strict bed rest is prescribed. Additionally, some basic measures are stabilization of general health and strengthening of the immune system. To prevent recurrence of further relapses, patients should avoid strenuous physical activity and any factors that would tax the immune system.

Basic therapy often consists of the long-term administration of substances like interferon that have a positive effect on the immune system. Even though these medications can bring a reduction in the severity of relapses and slowdown of the progression of the disease, they often have a number of unpleasant side effects.

In Asian countries acupuncture plays a significant role in the treatment of symptoms related to bladder function and impaired movement.

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 multiple sclerosis:

- § 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.

In addition to a healthy diet and avoiding risk factors, the following measures are recommended:

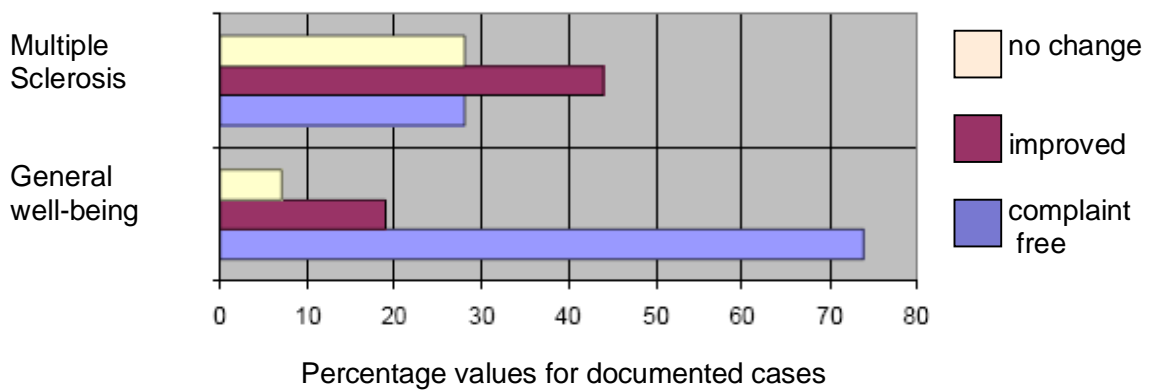
- § Targeted physical therapy to compensate for walking and coordination difficulties
- § Frequent appropriate physical activity (initial studies have shown that issues arising from unsteady gait can be improved through Tai Chi)
- § Orthomolecular medications in form of essential vitamins, minerals and trace elements
- § Regeneration of the intestinal flora in order to activate important intestinal lymphatic components of the immune system
- § Purification or removal of the presence of heavy metals, especially mercury or amalgam.

User recommendations for BEMER therapy with multiple sclerosis
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- § Once or twice a day on the mat according to the basic program
- § At bedtime on the mat with level 1

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 1116 patient protocols were captured. Since several patients presented with more than one clinical condition, 2031 cases of illness were documented. A therapy span of 8 weeks and observation of 14 / 223 subjects (see excerpt below) showed the results listed below. Individual observations suggested that the amount and severity of relapses decreased with long-term therapy, and that the all-over health improved.

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



Literature and studies:

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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)

Schütze, N., Walther, M., Kafka, W.A.: *Einsatz extrem niederfrequent (BEMER-typisch) gepulster schwacher elektromagnetischer Felder im Bereich der Orthopädie.* Orthopädische Praxis 41, 1 (2005)

Sedlacek, P., Cerny, M., Dbaly, J.: *Prä- und postoperative Behandlung klinischer Patienten mit dem BEMER 3000 Elektromagnetfeld.* 3. Medizinische Fakultät der Karls Universität, Prag (2002)

Silbernagl, S., Despopoulos, A.: *Taschenatlas der Physiologie,* Thieme (1991)

www.ms-service-center.de/mslife/cda/page/center/0,3409,29-14175,00.html

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.