

## MULTIPLE SCLEROSIS and BEMERtherapy

Multiple Sclerosis is one of the most common diseases of the brain and spinal cord, affecting some 2,5 million people worldwide. It means 'many scars', which refers to the plaques or lesions found in the brain and spinal cord of people with MS.

Multiple Sclerosis is a chronic illness of the central nervous system and spinal chord, which is characterized by defects in the tissue coating certain nerve strands. In the affected nerve strands, unknown causes lead to the degeneration or disappearance of the *myelin* (insulation) around the nerves. Demyelinated nerve fibres lose the power to conduct messages or impulses from the brain to the muscles, as well as the messages of touch, pain, vision and hearing to the brain. In consequence, there may be paralysis or numbness in an arm or leg, unsteady (ataxic) gait, blindness, loss of bladder and bowel control. Symptoms are specific to the locality and severity of the demyelinated areas.

In most cases, illness occurs between 20 and 40 years of age, and more often in women than in men. About 80% of the cases display a typical cycle of remissions and relapses, and 20% experience a slow, but steady progression of the disease. In both cases, the development of the illness may stretch out over decades.

The true cause of multiple sclerosis is still unknown. There appears to be a genetic disposition. Much points toward the presence of an autoimmune deficiency, for which certain viral infections and toxic exposure may be responsible. In many MS patients an increased concentration of mercury (amalgam) or other toxic substances can be found.

To date, there is no known therapy to treat the causes of the disease. Some basic measures are the stabilization of over all well-being and of the immune system. **For that purpose, the pulsing electromagnetic fields of the BEMER therapy can be of significant importance:**

- **Through the activation of metabolism, oxygenation and circulation the all over physical and psychological health can be positively influenced.**
- **The increased blood flow in the muscle tissues is an essential effect for paralysis and spasms.**
- **The immune system can be regulated and stabilized by the BEMER impulse, leading to a reduction of inflammatory and autoimmune-allergic reactions.**
- **Individual studies suggest that frequency and severity of the relapses can be reduced with long-term therapy, and the course of the illness can be milder.**
- **Melatonin production is regulated resulting in better sleep, less depression and improved cell regeneration**

The use of additional biological therapy concepts is strongly recommended, such as the elimination of heavy metals, especially mercury and other amalgam based substances; targeted use of supplements like vitamins, minerals, and trace elements; regeneration of the intestinal flora in order to activate the important associated lymphatic part of the immune system; a change in diet; homeopathic preparations according to individual symptoms.

The use of BEMERtherapy is a highly advanced treatment method, which not only improves blood circulation and oxygen supply to muscles and nerve tissues, but also contributes to the regeneration of the cell metabolic process.

## TEST FINDINGS FOR BEMER 3000

*Test conducted by:* **Center for Sports Medicine in Tarnobrzeg, VR Poland**

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*Timing:* December 1999 through February 2000

*Subjects:* Twenty-one patients with varying illnesses. In addition, the BEMER was used with 15 athletes as an element of biological regeneration.

### *Findings:*

During an initial walking test of the MS patients, the maximum achievement was 30 meters (threshold of fatigue). The movement speed was measured on an electric treadmill (Jaeger), and the subjects were able to handle a speed of 2,5 to 4 km/hr. After 20 therapies with the BEMER (one per day – more was not possible due to transportation constraints), the patients were able to walk an average of 400 meters on the treadmill at the same speed. One patient (40 years old), who needed to be transported by bus at the beginning of the therapy, was able to walk the distance from her home to the sports center (2km) after one month, and also was able to perform household chores on her own again.

*(Although this study is of less scientific significance due to the number of patients involved, it does support the accepted clinical trials already completed. (See Clinical Evaluations under "Science" on home page))*

A recent physician multicentric user study (24.10.2003 – AFB Institute) found among 14 MS patients with treatment over just 8 weeks that 10 patients (72%) reported significant improvement from the effects of MS.

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