

BEMER Therapy proved effective for post-operative recovery and wound healing

The effect of Pulsed Electro Magnetic Field Therapy (PEMFT) has long been known to improve blood circulation. Now, a new study by the Microcirculation Institute of Berlin under Dr. Rainer Klopp have proved not only the increased blood circulation, but that the BEMER 3000 stands alone among the PEMFT devices tested.

BEMER users and those interested in effective therapies will find this new Clinical trial most exciting! As microcirculation plays a vital role in supplying the cells with oxygen and nutrients, its natural, regular and correct functioning is a prerequisite for post-operative recovery and wound healing.

In a randomized placebo controlled clinical trial, healthy test subjects were subjected to a 2 minute application of the BEMER. The findings suggest that to a significant extent, the BEMER would accelerate tissue regeneration and protect against possible complications.

This is the conclusion arrived at by several research studies conducted at the Institute and published in a special issue of Orthopaedic practice, 41, January (2005)

Measurements were taken off the gums of healthy patients before BEMER therapy, then after in the 2nd, 4th, 6th, and 8th minute after the device was switched off.

Results after only 2 minutes on Level 3 showed the following significant improvements:

- Increased number of blood cell perfused nodes within the capillary network—12% increase on average
- Capillary microcirculation increased by more than 10% and continued after therapy
- An increased pressure gradient between arterioles and venules (small blood vessels that transfer blood from the capillaries to the veins)
- Increased arteriolar and venular vasomotion (Increased diameter of blood vessel)
- Clear improvement of the immune system indicated by the large concentration of ICAM-1 molecules thanks to increased adhesion performance of white blood cells
- Oxygen partial pressure increased by 15% which means that more oxygen was available to the cells

Summary: Dr. Klopp says: “The BEMER therapy system on level 3 setting and an application of only 2 minutes causes a biologically significant improvement of microcirculation and the activation of immunological reactions that continue after the device is switched off.

Similar reactions of circulatory improvement can be expected in the whole intestinal tract, the skin, and the organs.”