

## What is Physical Vascular Therapy BEMER?

With BEMER Physical Vascular Therapy we affect 74% of our cardio vascular system called microcirculation. Because the vessels are so small, we do not have any diagnostic tools for this area. Therefore, it is overlooked despite the fact that physiologically it is the most important part because this is where all exchanges take place. Every cell in the body depends on it.

BEMER works exactly in this area for which we do not have any diagnostic devices nor measures available.

The BEMER signal is the active ingredient. The use of an electro-magnetic field simply allows us to transport this specific stimulus. It penetrates throughout the entire body in the shape of the BEMER wave. Through empiric evidence, meaning by observation at the Institute of Microcirculation, it was discovered that BEMER triggers vasomotion.

Vasomotion is the rhythmic contraction and relaxation action in our small vessel system. It occurs pre-capillary on the arteriole side as well as post-capillary on the venule side. Vasomotion ensures that there will be adequate flow of nutrient and oxygen rich blood into the capillary beds as well moving blood away from the tissues transporting wastes and carbon dioxide. This basic function is the foundation for all healthy cell processes. Without adequate supply and disposal, tissues cannot remain healthy. Lack of oxygen and nutrients will lead to lack of ATP at the cellular level and the consequence is inadequate cell performance. ATP (Adenosine Tri Phosphate) is a catalyst molecule for every cell function. A lack of ATP results in imbalances throughout the body, which is called a disease when symptoms manifest. When waste disposal does not occur, the body will store these metabolic wastes in the interstitial spaces, then organs and in the end in the cells themselves. This highly toxic and acidic environment is a breeding ground for all pathogens. And it is called a disease when symptoms manifest.

BEMER is the first and only device to stimulate vasomotion body wide. Dr. Klopp who is the head of the Institute of Microcirculation is able to observe in real time if any stimulus put into the body, including medications, has an impact on vasomotion. He had been tasked by the German Government 2003/2004 to find something to improve blood flow in the elderly to help cut health care cost. As the leading researcher in his field, he has technology available at the Institute that makes real time observation and measurements possible. The technology is called: Intravital Microscopy. He observed that BEMER among all other devices tested was the only one to

stimulate vasomotion. That intrigued him and he called the BEMER Company in Liechtenstein to request a few units. As a researcher, he had to be able to repeat any of the findings and also to quantify and to apply to a random number of study participants.

The parameters measured were:

- vasomotion
- micro-circulatory blood perfusion
- venous return
- oxygen utilization

The BEMER signal's delivery configuration today results in the following improvements:

- 28% increase in vasomotion
- 29% increase in micro-circulatory blood perfusion
- 31% increase in venous return
- 29% increase in oxygen utilization

These results are unsurpassed. And the effect on the whole body is also unsurpassed.