

## Bummer For BEMER

In the year 2013, RC, (Ranier) Klopp was retained by Peter Gleim and Nik Gleim (son of Peter) to perform “tests” using the Bemer product and make “observations” which manifested in 4 PubMed statements under the name of RC Klopp. Bemer is never mentioned in the abstracts as published nor were any of the results verified by a third party scientific review. Klopp convinced Peter Gleim that the credibility of any research was not in his lab, but a credible university based medical system with a formal Principal Investigator who is approved by an Institutional Review Board (IRB). Klopp found the University of Helsinki Finland and submitted the study parameters via BEMER and suggested the study based on potential success. The study noted no predicate (existing) science existed on the BEMER unit. Recruitment for nearly 300 respondents began in 2014 and was completed and presented to the IRB in December of 2016. The time frame for the study was 3 months and the final numbers after IRB review was 130 patients. The study was completed submitted for review on May 19<sup>th</sup>, 2017 and accepted for publication March 12<sup>th</sup> 2018 and ultimately published in the leading medical journal Bioelectromagnetics. Klopps prior publication of findings was also referenced among the 54 references in support of the study. The study concluded that BEMER had no effect in pain reduction, stiffness, or any functional improvement in fibromyalgia patients over a non-working placebo. Bemer marketing has expressed that Klopp founded/invented Intravital Microscopy (IVM) and it is used in an unreferenced and unverified video claiming that BEMER stimulates microcirculation seen in the following link below. This fabrication could be from any source including blood thinners or highspeed photography. Again the video was not produced by a credible scientific body and the only credible study proved BEMER ineffective. The remaining references reference the work of scientists including Marvin Minsky who developed IVM well before Klopp, who is not mentioned in any IVM reference.

Additional lack product efficacy and science were revealed directly by Klopp in a discussion at a Bemer National meeting in October of 2018 six months prior to his death. The only legitimate clinical study performed (link below) was referred to by Klopp as a “Katastrophe”, in German meaning “Disaster”. The B-Body used in the study according to Bemer’s own operator manual and FAQ’s page 10 item 4.4 indicates the maximum flux density of the B-Body is between 35 and 50 uT or MicroTesla. This is the same flux density range of the earth’s PEMF emission which can be experienced at a much lesser cost by buying a beach towel and laying on the beach or on the grass in a park or lawn. Dr. Fred Harms, and Sven Bieler, Bemers Medical Director(s) , attempted to obtain a 510K FDA submission and in February of 2017 the FDA refused to recognize both the B-Light and the B-Body for obvious reasons and B-Spot and the B-Pad were cleared but only for muscle conditioning per the direct quote from the FDA below. The device had nothing to do with microcirculation at all. FDA Quote:

“A powered muscle stimulator for muscle conditioning is a device used for other than medical purposes to apply an electrical current to electrodes on a person's skin to temporarily affect the stimulated muscle's contractile properties, force output, and/or fatigue resistance. Unlike the classified Powered Muscle Stimulator devices intended for use in physical medicine and rehabilitation, this device is not intended for use in patients with medical conditions and is intended only for muscle conditioning purposes.”

Continued confusion regarding the B-Light was expressed in Bemer Academies for years regarding “the Bemer signal” and whether or not the B-Light emitted the Bemer “signal” . Healing qualities of the B-Light continued at Academies which are a two day event consisting of hours of testimonials and zero credible scientific evidence. The B-Light is only a red LED light (no “signal”) again referenced in the FAQ document page 12 item 4.10 as only penetrating 660 nm or nano-meters. Similar products for human and plant applications can be obtained for well under \$100 at Amazon <https://www.amazon.com/ABI-Booster-Flowering-Spectrum-Enhancement/dp/B071Z12H67>.

<https://www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfpmn/pmn.cfm?id=k151834>

[https://www.youtube.com/watch?v=\\_XKuj9mV8tU](https://www.youtube.com/watch?v=_XKuj9mV8tU)

IVM Resources:

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3027219/>

<https://onlinelibrary.wiley.com/doi/full/10.1002/cyto.a.22295>

[https://en.wikipedia.org/wiki/Intravital\\_microscopy](https://en.wikipedia.org/wiki/Intravital_microscopy)

Study Link:

<http://earlightswindle.com/gloom/2018/01/tracing-a-phantom-the-bemer-institute-for-microcirculation/>

The company claims dozens and even hundreds of studies readily available on PUBMED. A search for Bemer reveals 162 results as of this report of which 151 pertain to a prolific researcher by the name of Bemer which is completely unrelated. The remaining 11 are made up only 6 relating to Bemer technology and zero were verified by third party credibility which explains the FDA 510k debacle because none of the science was recognized as acceptable to North American scientific standards. Chief science guru Rainer Klopp (RC Klopp) lists four unverified studies that were performed in 2013 as funded by Bemer long before his death in early 2019. The publications were esoteric statements about blood flow and a product comparison that, again, was unverified by a third party scientific body. His last public presentation in Florida, October 18<sup>th</sup> was an attempt to discredit IMRS when the same could be said of Bemer who has not produced a single credible North American standard of science when the company has been selling products for 20 years and in North America for over 11 years. Not a single safety study has been performed on their equine product that is recommended for equestrian competition horses.

North American Chief Science Officer Michael Lang asserted this opportunity for improvement and was subsequently terminated, which is the pattern for any credentialed individual associated with the company seeking credibility instead of hype.

The company has had a total of 11 acting general managers or CEO's for North America in the last 4 years including, Peter Hammer, John Adams, Nik Gleim, Jon Villasenor, William Sickert, Pit Gleim, Peter Gleim, Holger Dahmen, Veronica Besmer, Nick Huish and now Albert Bosch. Pit Gleim and Peter Gleim remain with Robert Moll in Liechtenstein and for some unknown reason Nik Gleim was terminated and is now excommunicated from his family per a directive by Peter Gleim. Bemer heart? That is pathetic.