

Question:

I am new to the concept of PEMF and not having an electrical engineering background, am having a little trouble wrapping my mind around some of the concepts. :)

There seem to be some conflicting opinions as to which types of PEMF are most beneficial to human health.

One theory seems to suggest that higher gauss (1000 or greater) with lower hertz and pulse rate is necessary to achieve positive effects, while others aren't concerned with higher gauss but place a bigger emphasis on microamperage. And then others don't focus on gauss or microamperage but instead focus on high voltage with higher frequency. I'm sure this is not well stated technically, so please let me know where I'm misunderstanding these different approaches. There doesn't seem to be a lot of information out there for lay people like me who aren't well versed in electrical theory.

I am particularly interested in trying a device that may help with enlarged prostate. I have seen four studies where PEMF was used successfully with this condition (three human, one canine), and it appears in most of these studies, high gauss instruments were used. You are aware of the one study (canine) but I am also including links to the other three for your reference:

(Elgohary article) <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5574357/>

(Herbert John article) [https://www.jurology.com/article/S0022-5347\(05\)63144-8/pdf](https://www.jurology.com/article/S0022-5347(05)63144-8/pdf)

(PAPIMI article)

http://www.papimi.com/PAPIMI%20STUDIES/PAPIMI_Effects_of_Pulsed_Electromagnetic_Fields_on_Benign_Prostate_Hyperplasia_EYANGELOU.pdf

I realize that individuals can potentially achieve improvement using a variety of methods, however, I am looking for the method that seems most likely to improve my severe BPH. I have been suffering for two years with this condition and do not have the financial resources to purchase multiple devices to try and see which one works best.

I realize you cannot make medical claims for your products, but based on these studies, do you honestly think your EM Pulser or PulsePad might have the potential to help with enlarged prostate? Or do you think a different device more closely matching those used in these studies might be more likely to help?

Answer:

I highly recommend the book, [Bioelectromagnetic Healing](#), where I explain the mechanisms of electrotherapy in electrical engineering terms, for the few who will understand it.

- 1) The Elgohary article you provide (above) on PEMF for BPH is the best one, with low microTesla intensity and low rep rate where the results show the PSA went down (p. 1307). The ElectroMeds device is similar to our Dr. Gordon EM Pulser. However, Gordon discovered the nanosecond risetime of PEMF being the active ingredient for lowering inflammation quickly.

- 2) The Hubert John article doesn't have PSA numbers and instead are vague "quality of life" parameters with higher current and voltage PEMF applications.
- 3) The PAPIMI device is dangerous and has been banned by the FDA. As discussed in the above book, it will induce electroporation with its extremely high current. Therefore, it can cause an overdose of any and all chemicals in the blood, including prescription drugs. Several sites below warn against its use and yet the Giannakopoulos article you cite actually shows the PSA going UP after treatment to men with very low PSA to begin with, with no other measurable benefits. Below are links to public warnings on PAPIMI:

http://sfsbm.org/wiki2/index.php?title=Pap-IMI_Device

https://bbj.hu/politics/us-fda-bans-import-of-unproven-machine_34388

<https://www.seattletimes.com/seattle-news/public-never-warned-about-dangerous-device/>

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