


Cold Plasma Source for Medical Treatment (Technion)

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Over the last decade, a significant interest has developed in applications of the dielectric barrier discharge (DBD) for generation of “cold” plasma (low-ionized and non-thermal atmospheric plasma) which can be used for different applications in medicine and industry. However, existing designs of cold plasma sources cannot be implemented for in-vivo treatment of patients, they have low efficiency of plasma generation, and they are hazardous to patients through electromagnetic radiation and electrical breakdown. The presented technology allows for the development of a reliable and efficient source of cold plasma which can be used for the treatment of cancer and other diseases, as well as blood corrugation and tissue sterilization.

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