



Plasma jet for medical applications

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> **Description** This invention consists of an air plasma jet device that delivers atmospheric-pressure plasma over long distances which can reach up to 5 meters. This jet be applied in dental treatments, to heal spots and injuries, treat cancers, and treat and decontaminate surfaces.

> **Problem** The air plasma jet devices currently available on the market require the physical proximity of the user, and transportation of the device during the treatment of biological materials, thus limiting the applications of this instrument.

> **Benefits** The proposed invention consists of a device that transfers atmospheric-pressure plasma at a distance of up to five meters, thus facilitating its handling and increasing workplace safety. Moreover, the device allows inaccessible regions located within the human body to be reached, thus expanding the scope of application of this technology in the medical field.