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Research Article

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Hybrid-Plasma: Discovery of An Anti-Aging Effect in Plants with Potential Applicability for Longevity in Man

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Abstract

In a previous study we described the results when one of two plants of the same variety were exposed to Hybrid-plasma (HP) for 48-hours. Both were placed in a dark cabinet without watering. Every 24-hours, for one week, the plants were observed, and photographs taken. In each case, the plant not exposed to HP wilted within 3-5 days, whereas the exposed plant was unchanged throughout the week. In the present report we repeated our initial findings several times allowing us to remove the HP exposed plants to the lighted ambient environment. After 6 months the plants, previously exposed to HP, were unchanged from the store-bought condition. We hypothesized that HP had suppressed the metabolic source of energy and replaced it by a secondary electromagnetic energy source which is found in all living cells. These findings can therefore apply to the human condition providing similar longevity effects.

Keywords: Hybrid-Plasma; Plants; Growth in The Dark; Waterless Environment; Animal and Human Trials

Introduction

We have previously discovered that free water molecules released from bulk water developed an ionic reaction that can be confined in a closed container [1]. We have discovered a new form of non-thermal plasma, Hybrid-plasma (HP) which can be produced without external energy input, HP, part gas/part water (US patent 2022/0386442 A1). Moreover, it can be accumulated and stored for multiple applications. Free water molecules have been shown to comprise 12-19% of bulk water in a large range of temperatures [2]. Free water molecules when separated from bulk water interact based on their inherent kinetic energy to produce a mixture of ions, free electrons and neutral atoms, plasma. These

unique properties are based on the separation of free water molecules from bulk water due to osmosis and diffusion in a confined space.

Methods

According to a previous report [1], we formed an HP environment in a large plastic container. Two pairs of plants, each pair of the same variety, either Genus *Zamioculcas* (ZZ plants) or Genus *Coffea* (Coffee plants) were used for this study. One plant of each variety was placed in the HP container on a platform above the water level and the container resealed with snap covers. The



other of the pair was maintained in the outside environment. After 48-hours, the plants were removed from the container and each pair put in separate cabinets in the dark. Plants were observed and photographed every 24-hours for one week. All plants were removed and the wilted plants, those not exposed to HP, were discarded. Plants exposed to HP were maintained without water in the lighted ambient environment for 6 months. Extracting Aqueous HP (more water/ than gas) from gaseous HP (more gas than water). In a series of experiments, we produced an aqueous form of HP

by collecting water using a dehumidifier placed in a large plastic reaction container filled with gaseous HP. The collected HP water was tested and confirmed for its anti-aging effects [3].

Results

Figure 1 shows two coffee plants at the time they were initially purchased.



Figure 1: Two coffee plants, store bought.



Figure 2: The plant on the left was exposed to Hybrid-Plasma for 48 hours. Both were placed in a dark cabinet for 1 week. The untreated plant wilted.



Figure 3: HP treated plants in ambient environment after 6 months without water.

Discussion

Our previous experimental studies with unicellular organisms provided evidence that cells, in accordance with Quantum theory, are entangled dual source of energy, metabolic and electromagnetic [4-6]. The present findings represent an extension of this concept to living plants. Moreover, the role of our newly discovered Hybrid-plasma [1] was the critical element in demonstrating this dual nature of organisms. As shown in figures 1 and 2, the exposure of plants to HP for prolonged period maintains plant integrity in the dark while the unexposed HP plant, requiring light to metabolize, dies. In addition, the HP exposed plant returned to the lighted, ambient environment remains unchanged from its store-bought state. These results support our hypothesis that HP suppresses metabolic activity while cell homeostasis is maintained by electromagnetic energy. In accord with the 1st law of Thermodynamics: Energy cannot be created or destroyed but can be transformed. This imparts the anti-aging effect demonstrated by HP in a previous publication [6].

Extrapolation to the Human Condition

The extension of our hypothesis to the human condition relies on the exposure to HP providing similar anti-aging effects as seen in plants. A search of the Internet provides the common circumstances that would meet such requirements: "There is a link between sauna use and longevity, as clinical studies have shown that regular sauna use can reduce the risk of death and cardiovascular disease [7, 8]. In this regard, a 15-minute warm-water shower in an enclosed 400 square foot room induced a negative ion count >2 million/sec and a humidity of 99% which maintained for 20 minutes [unpublished observations]. It should be noted that the value of ion counts, and humidity represent the biomarkers of HP. In a practical, clinical trial, of the anti-aging effects of HP, the gaseous form (part gas/

part water) can be accumulated using a large, enclosed container, partially filled with drinking water. The space above the water level will test for HP within 48-hours [1]. The extraction of HP water (greater proportion of water than gas) can be achieved by collection of water by using a dehumidifier placed on a platform above the water level. Before initiating a human trial, the HP water can be provided for one of 2 groups of mice in metabolic cages. One set of mice will be supplied with HP water, the other with regular water. Over a pre-determined observation period, urine and/or blood samples will be analyzed for biomarkers of oxidative stress such as free radical species. HP has been shown to neutralize deleterious, reactive oxygen species (ROS) which are destructive to cell membrane and critical cell proteins (RNA and DNA). These established safety and effective animal studies can serve as the template for human clinical trials.

Conclusion

Short-term exposure of two different plant varieties to HP (part gas/part water) induces dark resistance to plant death and indefinite plant survival without water. We provide evidence that HP suppresses metabolism of cells allowing the emergence of an electromagnetic source for maintaining cellular homeostasis. Extraction of HP water is described (greater proportion of water to gas) with the same antioxidant and anti-aging properties as the gaseous form of HP. Using HP water, we propose safety and efficacy studies in animals as the basis for human clinical trials.

Acknowledgement

None.

Conflict of Interest

No conflict of interest.

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