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Research Article

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QTA Gitterchip Technology: Relationship Between Individual User Observations and Experimental Preclinical Data

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Abstract

Subjective evaluations, such as individual observations and anecdotal evidence, can provide valuable insights into the effectiveness and impact of devices providing beneficial health effects.

In the present study the relationship between subjective user oberservations and controlled preclinical laboratory research was examined in detail for the beneficial health effects of devices using the QTA Gitterchip technology. The term "QTA" stands for "Quantum Tunneling Accelerator". Both devices of the present evaluation, QiOne® 2 Pro and QiBracelet®, aim to influence biological systems by affecting the quantum properties of water. This was achieved particularly through the modification of electron and proton tunneling processes.

A total of 171 individually posted user observations were evaluated in detail. No formal questionnaire was used; users posted their subjective observations voluntarily and independently on social media forums. The corresponding experimental preclinical data were based on our publications during the last two years with cell culture techniques.

The most predominant user observations were more calmless and serenity as well as a deeper and more relaxing sleep. This was reported in 20% of the user observations. In addition, about 17% of the users reported more energy and vitality and a better well-being and attitude of life. The other beneficial individual observations were below 10% such as an increased regeneration, more mind power and less pain and illness. Most of the user observations are related to a reduction of environmental oxidative stress, which is confirmed by the preclinical experimental studies, which were conducted independently during a period of two years.

In conclusion, the present user observations and experimental investigations have shown that the QTA Gitterchip technology has a positive impact on cells by increasing their resistance against environmental stressors resulting in a positive impact on the human body. Thus, the use of the QTA Gitterchip technology improves and maintains well-being and health as well as the attitude of life.

Keywords: QTA Gitterchip technology, QiOne® 2 Pro, QiBracelet®, Oxidative stress, Health effects, User observations, Experimental data

1. Introduction

The correlation between subjective user observations and preclinical research is a crucial aspect of scientific inquiry, particularly in the field of medicine and healthcare. Subjective observations involve the collection and interpretation of information based on personal experiences, perceptions, and beliefs. On the other hand, preclinical research refers to studies conducted in a controlled laboratory setting to investigate the efficacy and safety of potential treatments before they are tested on human subjects.

The relationship between subjective observations and preclinical research is complex and multifaceted. Subjective evaluations, such as individual observations and anecdotal evidence, can provide valuable insights into the effectiveness and impact of devices providing beneficial health effects. These observations can help researchers to identify trends, patterns, and potential areas for further investigation in preclinical research.

Conversely, preclinical research plays a crucial role in validating and substantiating subjective observations. By using rigorous scientific methods and controls, preclinical studies can provide empirical evidence to support or refute subjective observations. This process helps to ensure the reliability and validity of findings.

The QTA Gitterchip forms a static field that stimulates water molecules to undergo a transition into the coherent state. Since our body consists of about 70-85% of water, the coherent state of the water molecules should be able to influence the cells of our whole body in a positive manner [1-6].

In the present study a total of 171 individually posted user observations were collected and evaluated in detail. No formal questionnaire was used. Users posted their subjective and multiple observations voluntarily and independently on different social media forums. The experimental preclinical data were based on our publications with the QiOne® Pro 2 and QiBracelet® during the last two years with cell culture techniques [7-9].

2. QTA Gitterchip Technology

The term "QTA" stands for "Quantum Tunneling Accelerator" with "T/O" denoting the form factor and the following number indicating the power volume relative to weight. Both devices of the present evaluation, QiOne® 2 Pro and QiBracelet®, aim to influence biological systems by affecting the quantum properties of water. This was achieved particularly through the modification of electron and proton tunneling processes. This concept is based on scientific findings that are still in the early stages. Further scientifically validated studies of the mechanisms of action are required to integrate the concept into established scientific practice. In the QiOne® 2 Pro, the chip used is the "QTA-T-333", while the QiBracelet® uses the "QTA-O-400" chip. For collection of experimental data, both devices were kindly provided by Qi Blanco UG (haftungsbeschränkt), D-97711 Maßbach, Germany, for the duration of the experiments.

3. User Observations

In the present study a total of 171 individually posted user observations were collected and evaluated in detail. No formal questionnaire was used. Users posted their subjective and multiple observations voluntarily and independently on different social media forums. The distribution of users was 63.7% being female, 31.7% being male, and 5.3% of users with unclear gender. Due to the small group of unclear gender, the further statistical analysis was focused only on female and male users

As shown in Fig. 1, the QTA Gitterchip technology in both devices had some marked beneficial effects in subjective user

observations. The most predominant observations were more calmless and serenity as well as a deeper and more relaxing sleep, which was reported in 20% of the user observations. In addition, about 17% of the users reported more energy and vitality and a better well-being and attitude of life. Interestingly, in the stated beneficial observations the gender distribution with about two third female and about one third male was nearly constant. This means, that these observations were gender-independent. The other beneficial individual observations were below 10% such as an increased regeneration, more mind power and less pain and illness and showed a predominance of female observations. Sleep is a biological necessity and insufficient sleep or sleep deprivation can have negative impacts on both individual health and well-being [10,11]. The ability to relax the body and mind during sleep may be influenced by the surrounding environment and many environmental stressors acting on the body [12]. Sleep is known to have restorative and rejuvenating properties, during which the body can replenish its energy and reserves after experiencing high levels of physical or mental stress. Clinical research suggests that oxidative stress and sleep are interconnected. Disrupted sleep patterns or insufficient sleep can lead to increased oxidative stress levels in the body, potentially exacerbating the risk of developing chronic diseases. Conversely, oxidative stress can also influence sleep quality. By using the QTA Gitterchip technology a reduced oxidative stress level obviously results in a deeper and more relaxing sleep as well as reduced inflammatory activity in the body. The correlation between sleep and oxidative stress has been reviewed by Heyat et al. [13]. Moreover, also other sleep disorders such as insomnia, obstructive apnae and others have been shown to generate an excess of reactive oxygen radicals [14-18]. As a matter of fact, a more relaxing sleep results in more vitality, energy and well-being as also reported by 17% of the users of the QTA Gitterchip technology.

The remaining user observations below 10% such as an increased regeneration, less pain and illness can also be related to oxidative stress – either from environmental stressors or endogenously by inflammatory processes or stress situations. Therefore, it can be concluded that the basic cellular mechanism behind most of the individual user observations is due to a reduction of oxidative stress resulting in an imbalance between the presence of reactive oxygen species (ROS) and the body's ability to detoxify them or repair the resulting damage. This can lead to cellular damage and has been implicated in various diseases, including cardiovascular disorders, neurodegenerative diseases, and cancer [19-23].

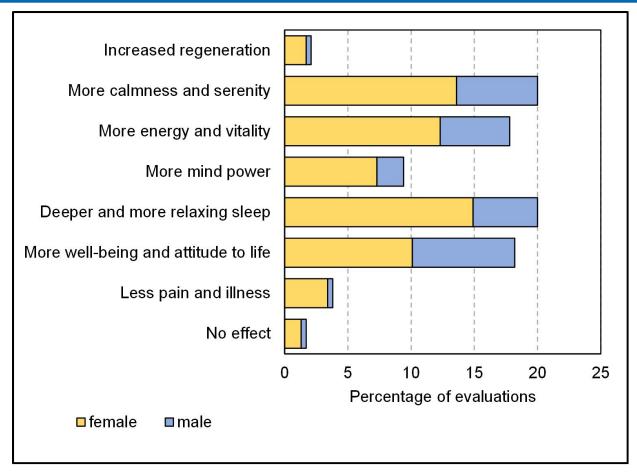


Figure 1: Impact of 171 individual user observations on the health effects after using the QTA Gitterchip technology. Users posted their subjective and multiple observations voluntarily and independently on different social media forums.

4. Experimental Results

The experimental investigations with the QTA Gitterchip technology demonstrated that both devices, QiOne® 2 Pro and QiBracelet®, were able to reduce unwanted cellular effects of oxidative stress [7-9].

In the case of QiOne® 2 Pro we investigated its effect on the generation of superoxide anion radicals by functional neutrophils after mobile phone radiation [7]. In this study, human promyelocytes, which have been differentiated into functional neutrophils for 6 days, were exposed to radiation from a current commercially available mobile phone. The study did not differentiate between thermal and non-thermal radiation, as both are present in real-life scenarios when making calls and using WLAN, and can affect the human body by oxidative stress [for review, see 24]. Our previous results demonstrated that unprotected cells showed a markedly decreased generation of oxygen radicals after being exposed to mobile phone radiation. In contrast, the cells protected by QiOne® 2 Pro showed a significantly higher oxygen radical generation at all placements demonstrating the higher vitality of the cells due to the protective effect of QiOne® 2 Pro. In conclusion, the efficacy of the innate immune system which might be reduced by mobile phone radiation in vivo, is markedly improved by QiOne® 2 Pro.

The intestinal epithelium, which is only one cell layer thick

represents a physical barrier between the contents of the intestinal lumen and the rest of our body. Moreover, it ensures an efficient absorption of essential nutrients from the gut lumen and produces mucus, anti-microbial peptides and cytokines with both protective and immune-regulatory properties. Thus, a reduced barrier function may have far reaching consequences, not only for intestinal, but also for systemic health [25]. This barrier function can be destroyed by oxidative stress as generated by mobile phone radiation [26]. When using intestinal epithelial cells after mobile phone radiation as an environmental stressor, we found that mobile phone radiation caused a rupture of the epithelial barrier in unprotected cells by causing cell death due to oxidative stress with a completely loss of morphological integrity of the barrier [8]. In contrast, untreated controls and QiOne® 2 Pro protected cells did not show any morphological changes of the cell layers and an epithelial barrier of great integrity with a 10-fold higher transepithelial electrical resistance than the unprotected cells. This result also confirmed the effective protection against environmental oxidative stress by the QTA Gitterchip technology.

Finally, the last experimental study with a variety of different cell types was directly related to environmental oxidative stress and was conducted with the QTA Gitterchip technology using the QiBracelet® [9]. We found that the environmental oxidative stress as induced by the addition of hydrogen peroxide

to the culture medium, and influencing different organ-specific cell types such as connective tissue fibroblasts and cells from liver, kidney, lung and intestine, was significantly reduced by the QiBracelet®. Moreover, the results showed that that the protection from environmental oxidative stress by the QiBracelet® was an overall mechanism and not related to one single cell type.

5. Conclusions

Although the principles of quantum electrodynamics (QED) are not really accepted in conventional medicine, the relationship between present user observations and experimental investigations have shown that the QTA Gitterchip technology has a positive impact on cells [3]. The QTA Gitterchip technology increases the resistance of cells against environmental stressors resulting in a positive impact on the human body. Thus, the use of the QTA Gitterchip technology improves and maintains well-being and health as well as the attitude of life.

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