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Resonance Medicine Treats Diabetes Mellitus Effectively

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Abstract

Multiple factors contribute to the metabolic condition known as diabetes mellitus (DM), which is characterized by recurrent hyperglycemia as a result of inadequate insulin secretion, insulin action, or both. T-lymphocytes aim to destroy beta cells and other similar cells. DM can be successfully treated with pancreatic transplants, Langerhans islets and individual beta cells. Additionally, stem cell therapy for DM treatment is currently popular. The replacement of beta cells, also known as dead pancreatic cells, with stem cells forms the basis of stem cell therapy for DM. The stem cells differentiate into active cells after attaching to the pancreas' tissues. In DM, a catheter is inserted into the pancreatic artery using an X-ray scanner and the procedure takes 90 minutes. The foundation of DM stem cell treatment is the use of stem cells to replace damaged beta cells in the pancreas. Treatments for insulin-dependent diabetes mellitus include pancreatic transplants, individual beta cell transplants and islets of Langerhans.

Keywords: Bioresonance therapy • Depression • Alternative medicine

Introduction

The study's objective was to determine whether, when used as a stand-alone or complementary treatment, bioresonance therapy can reduce depression in patients with recurrent major depressive disorder and mild, moderate, or severe depressive episodes in a way that can be measured. 140 depressed individuals were included in the study, which was divided into three groups. The first group (40 patients) received only bioresonance therapy, the second group (40 patients) received both bioresonance therapy and pharmacological antidepressant treatment and the third group (60 patients) received only pharmacological antidepressant treatment. The Hamilton Depression Rating Scale, which has 17 items, was used to assess depression at the beginning of the bioresonance treatment and at the end of the five weeks of treatment in order to lower the level of depression. The study found a statistically significant difference (p=0.0001) between the treatment methods used in the analyzed groups and we discovered that therapy speeds up the healing process for depressed patients. The analyzed groups showed improvement, with mean values of delta for Hamilton score of 3.1, 3.8 and 2.3 decreasing between the initial and final phases of depression, respectively. We came to the conclusion that, either on its own or as a complement to antidepressants, bioresonance therapy might be useful for treating recurrent major depressive disorder with moderate depressive episodes.

Description

Tissues contain a lot of water molecules, whose concentration varies depending on the environment in which they are found. In order to produce a three-dimensional anatomical image of the pathological region of interest, MRI maps the spatial distribution of the water protons. One can measure a contrast agent's concentration-dependent capacity to reduce water protons' longitudinal/transversal relaxation rates to determine its effectiveness. Individual water proton spins align either parallel to or antiparallel to the applied external magnetic field, resulting in a net magnetization along the principal, or longitudinal, axis. This net magnetisation rotates away from the longitudinal axis and into the perpendicular plane (inducing a net magnetisation) when a radiofrequency pulse is applied. T1 and T2 relaxation are two distinct processes that bring the net magnetization back to the equilibrium state when this pulse is removed. The recovery of the net magnetization along the longitudinal axis is referred to as T1, while the recovery within the transverse plane is referred to as T2. T1 contrast agents brighten the physiological region of interest, while T2 contrast agents darken this region, depending on the relaxation process that a particular contrast agent promotes. The following is how the relaxation rate (Ri) can be calculated [1].

The thickness of the cortex appears to be also controlled by genes. Different developmental trajectories are exhibited by various brain regions as a result of the prominent regulatory role that genes involved in synaptic function, dendrite development and myelination play over cortical development. Hubs in associative cortices undergo rapid myelination and cortical shrinkage between the ages of 14 and 21 as the distribution of hub regions shifts toward the frontal areas during adolescence. As a result, associative cortices may experience higher genetic influence during late adolescence, while primary areas may experience a peak in genetic regulation over maturation during early adolescence. However, changes in grey matter volume appear to be non-linearly correlated with age in many structures, particularly deep grey matter structures, which experience a linear volumetric decrease between the ages of 13 and 17 and a slower decrease between the ages of 18 and 27. The hypothesis that different structures mature at different rates is supported by this pattern. The basal ganglia's early maturation may be related to basic developmental functions like motor initiation, learning and reward-seeking, while the thalamus, hippocampus and amygdala's later maturation may be related to the need for more complex, integrated responses for higher-order developmental functions like emotional processing and memory consolidation [2,3].

Because of their anti-inflammatory and antipruritic properties, herbal preparations have been used internally and externally for a long time to treat skin conditions. In a review, the history of phytotherapy in dermatology has been compiled. There were two RCTs that examined the safety and efficacy of a camomile and a St. John's wort preparation, respectively, for topical application. A commercial camomile extract preparation (Kamillosan-Creme) was compared to either a 0.5% hydrocortisone cream or a foundation cream without an active ingredient in a side-by-side study of 69 patients with atopic eczema. After two weeks, the camomile preparation was slightly superior to the hydrocortisone preparation in terms of the most important clinical endpoints—

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pruritus, erythema and desquamation. The foundation cream and the camomile preparation, on the other hand, were identical. The publication does not, regrettably, provide information regarding the outcomes of statistical tests. A cream containing St. John's wort extract was compared to a vehicle cream in a side-by-side study with 18 patients with mild to moderate atopic eczema. The hyperforin content of the cream was standardized to 1.5%. Both treatments saw improvements in the modified SCORAD index after four weeks, with the active group seeing significant improvements. In comparison to the standard therapy, larger studies should demonstrate these advantageous outcomes [4].

To ensure accurate HIFU therapy, multimodal imaging probes or contrast agents must be introduced into the nanoplatform. However, the inherent limitations of each imaging method include the low resolution of ultrasound (US) imaging and the relatively low sensitivity of magnetic resonance (MR) imaging. Biomedical diagnosis would benefit greatly from the development of novel imaging contrast agents that combine the strengths of various imaging techniques. Compared to unimodal imaging, bimodal imaging provides more comprehensive diagnostic information. The therapeutic effect of HIFU ablation can be accurately assessed using US and MR imaging. The prognosis and survival rate can be improved with an accurate tumor diagnosis. As a result, combining US and MR imaging is crucial to the diagnosis of cancer. Under the direction of multimodal imaging, a B. bifidum-mediated nanoplatform for HIFU tumor ablation was developed in this study. To begin, the advantages of cationic liposomes include their superior biodegradability, their simple surface modification and their prolonged circulation time. As imaging agents and nanodelivery carriers for anti-tumor drugs, they are widely used. Second, in order to achieve synergistic HIFU treatment and enhance ultrasonic cavitation, liquid PFH was vaporized into microbubbles using acoustic drop vaporization (ADV). To further enhance NPs' capability for T2-weighted MRI, superparamagnetic iron oxides (SPIO, Fe_3O_4) were incorporated into the shell of the NPs. The bio-targeting nanoplatform was built by electrostatic adsorption of B. bifidum and PFH@CL-Fe_3O_4 NPs [5].

Conclusion

Organs and diseases oscillate at varying frequencies. Resonance will occur because it vibrates at the same frequency as the chosen nosode, causing, for instance, the tumor to vanish. The first nosode in the actual bioresonance therapy device is currently being investigated in the event that the chosen nosode's potency is insufficient (the nosode's oscillation frequency is lower than the tumor's oscillation frequency). To put it another way, the approach that was taken in this instance does not result in the resonance of the tumor or its elimination.

References

1. Brierley, Daniel I. and Colin Davidson. "Developments in harmine pharmacology-Implications for ayahuasca use and drug-dependence treatment." *Biol Psychiatry* 39 (2012): 263-272.
2. Callaway, James C., Glacus S. Brito and Edison S. Neves. "Phytochemical analyses of *Banisteriopsis caapi* and *Psychotria viridis*." *J Psychoact Drugs* 37 (2005): 145-150.
3. Chagas-Paula, Daniela Aparecida, Tiago Branquinho Oliveira, Tong Zhang and RuAngelie Edrada-Ebel, et al. "Prediction of anti-inflammatory plants and discovery of their biomarkers by machine learning algorithms and metabolomic studies." *Planta Med* 81 (2015): 450-458.
4. Chagas-Paula, Daniela A., Tong Zhang, Fernando B. Da Costa and RuAngelie Edrada-Ebel, et al. "A metabolomic approach to target compounds from the Asteraceae family for dual COX and LOX inhibition." *Metabolites* 5 (2015): 404-430.
5. Creek, Darren J., Warwick B. Dunn, Oliver Fiehn and Julian L. Griffin, et al. "Metabolite identification: Are you sure? And how do your peers gauge your confidence?." *Metabolomics* 10 (2014): 350-353.

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