WEARABLE PHOTOTHERAPY APPARATUS

BACKGROUND OF THE INVENTION

Field of the Invention

Embodiments of the invention generally relate to a wearable phototherapy apparatus that includes a non-transdermal container with Left-Handed molecules wherein the container reflects or emits specific wavelengths of light to stimulate nerves and in some embodiments, also acupuncture points. More particularly, but not by way of limitation, in one or more embodiments, the wearable phototherapy apparatus elevates specific peptides in a user including glycyl-L-histidyl-Lysine (GHK), which is also known as tripeptide-1 and/or copper binding peptide glycyl-L-histidyl-Lysine (GHK-Cu), which is also known as copper peptide. More particularly, but not by way of limitation, in one or more embodiments, the wearable phototherapy apparatus produces beneficial effects in human beings and animals, in some embodiments as a result of elevating copper peptide, including activation of stem cells, improvements in energy, elevation of antioxidants, reduction in inflammation, management of pain, improvements in stamina, elevation of collagen production, improved wound healing and other beneficial health effects, e.g., in some cases as attributed to copper peptide as well as benefits associated with stimulating the nerves and in some embodiments, also acupuncture points with light.

Description of the Related Art

Jewelries including ring, necklace, bracelets, and pendants are typically used for decorative purpose. However, there is a segment of the jewelry market that concerns itself for a purpose other than decorative. Examples of jewelries that are designed for the purpose other than decorative include copper bracelets and magnetic jewelries.

Copper bracelets are believed to perform functions of relieving pain and helping to alleviate symptoms of arthritis for a user. A mode of operation for these functions has been proposed as mobility of copper ions from the copper bracelet through the user's skin and into the user's blood stream. If the mobility of copper ions is the mode of operation of a copper bracelet, then an individual or a user could not obtain immediate relief from pain, etc., due to a long period of time required for this mode of operation to become effective. Accordingly, a drawback of existing systems with respect to a copper bracelet is that the therapeutic response, if any, takes place over a relatively long period of time. Another drawback of the existing systems is that the copper bracelets have a limited and narrow field of use.

Various types of magnetic jewelries are believed to perform functions of relieving pain and improving circulation. Clinical studies performed with magnetic jewelries indicated that there is an effect going on other than a placebo effect. An effect of a magnet on a human body could be due, in part, to the fact that human blood contains iron. In one theory, the iron in the blood causes the blood to be attracted to a part of the body in which the magnet is worn, resulting in improvement in circulation. However, there are biophysicists who question the efficacy of a magnetic jewelry. For example, it is well known that the DNA contains Hydrogen bonds. Because a magnet is polar in nature, a back EMF from the magnet to the Hydrogen bonds may be possible. This might cause the hydrogen to spin in opposition to what is normal and disassemble the DNA of that cell. In any case, long term studies of magnets as they apply to humans are needed. Another drawback of the existing systems with respect to a magnetic jewelry, is that the therapeutic response, if any, is limited and narrow with respect to the field of use.

Therefore, with respect to jewelries that may be utilized for the purpose of achieving a therapeutic effect, there is a need for an alternative to the copper bracelet and the magnetic jewelries that are found in the present market. Such alternative may require a mode of operation that is different from the modes of operation of the existing copper bracelet and magnetic jewelries. In this regard, an examination of alternative modes of operation for a passive therapeutic jewelry needs to be considered.

In addition, the body of evidence supporting acupuncture has reached the point of being irrefutable. This said, a conclusion may be reached that in addition to blood flowing through the human body, there is also an energy flow through the human body.

As an example, in acupuncture, a practitioner utilizes known techniques to detect "blockages" to energy flows in the human body. When the locations of these blockages are determined, then either needles or pressure is applied to this point for the purpose of relieving and removing the blockages. Accordingly, another drawback of the existing systems is a lack of an apparatus that can be placed over specific acupuncture points and that can interact with a humans' energy field and promote energy flow and circulation in a similar mode of operation to acupuncture but without needles or physical contact.

Various chemical species in the human body and biochemical materials may also need to be considered since they may play a role in interacting with energy fields within the human body. To this end, Left-Handed molecules may need to be considered. Generally, the Left-Handed group of molecules known as amino acids are utilized in the body for the purpose of building protein structures. This process of the amino acid forming a "building block" for a larger protein structure is generally recognized as being a solely chemical process, and existing systems lack any other processes that create a buildup of energy to assist in forming a new protein structure.

Therefore, another drawback of the existing system is a lack of an apparatus and a method for regulating the energy-flow, thereby producing a beneficial response within the human body.

Phototherapy devices currently on the market include things such as lasers, lamps and LED products. These products are typically designed to produce very specific wavelengths of light. For example, there are phototherapy devices which produce 660 nm light for stimulating energy production in the body and increasing collagen production or stimulating hair growth. In addition, these devices require a power source and are not disposable.

Generally, there are patches on the market, and most of these are transdermal devices that deliver drugs or herbs through the skin.

These and other drawbacks also exist in the known art and for these reasons there is a need for a wearable phototherapy apparatus, for example that does not require a power source and can be constructed to be a disposable device, that solves these problems and that produces the benefits as stated herein.

BRIEF SUMMARY OF THE INVENTION

Embodiments of the invention overcome the problems previously described above. In one or more embodiments,