

## **LifeWave Explained: Explanations.Terms.Definitions.**

**Photobiomodulation** therapy is defined as the utilization of non-ionizing electromagnetic energy to trigger photochemical changes within cellular structures that are receptive to photons. Mitochondria are particularly receptive to this process.

**PhotoTherapy** is light therapy. We know that specific light frequencies cause specific changes within the body. LifeWave technology is an advanced form of phototherapy utilizing a non-transdermal patch delivery system that is composed of organic crystals. When exposed to body heat the patch emits specific wavelengths of light which activate particular nerve and skin points on the body. LifeWave patches begin to work immediately upon placement. LifeWave is unique because it is the only phototherapy product that uses human body heat as its power source. No batteries or electronics are involved.

**GHK-Cu** is a peptide that occurs naturally in human plasma. The level is about 200 ng/ml at age 20. By age 60 the level drops to 80 ng/ml. GHK-Cu promotes wound healing, attraction of immune cells, antioxidant and anti-inflammatory effects, stimulation of collagen and glycosaminoglycan synthesis in skin fibroblasts and promotion of blood vessel growth. It has the ability to modulate the expression of a large number of genes, generally reversing gene expression to a healthier state.

**Pluripotent Stem Cells** are cells that have the capacity to self-renew by dividing and developing into three primary germ cell layers of the early embryo and therefore into all cells of the adult body.

**Retracing** is a process in which a body that has been strengthened and balanced properly with a development program re-experiences residual illnesses or traumas in order to heal them. Retracing is a natural ability of all bodies. However it is not well-known or well-understood because it rarely occurs with conventional therapeutic methods.

**Detoxification** is one of the more widely used treatments and concepts in alternative medicine. It is based on the principle that illnesses can be caused by the accumulation of toxic substances (toxins) in the body. Eliminating existing toxins and avoiding new toxins are essential parts of the healing process.

**How do the patches work if nothing enters the body?** An organic crystal is embedded in the patch. This crystal reflects the lightwaves in the body and taps into the body's natural flow of energy and ability to heal itself. The brain is signaled to produce **GHK-Cu**, which promotes healing, most notably by repairing and regenerating **pluripotent stem cells**.

This occurs based on two main principles. The first principle is **acupuncture**. LifeWave patches have all the benefits of acupuncture without the necessity of using needles. The second principle is **light frequency**. It has been known for thousands of years that that specific frequencies of light cause specific changes in the body. For example, when you go out into the sun, your body automatically produces Vitamin D despite the fact that there is no Vitamin D in the sun. It is the specific frequency of sunlight that will stimulate our bodies to produce Vitamin D.

LifeWave patches work on the same principle. Once the patches are applied to a specific point on the body, the patch will start stimulating that point with a similar effect to that produced by using a needle. The patches use light to gently stimulate the acupuncture points which have been used to balance the flow of energy in the body for thousands of years.

**What is in the patches?** LifeWave patches contain a combination of amino acids, water, stabilized oxygen, and natural organic compounds. They are made of 100% natural ingredients. They contain no chemicals or synthetic substances. They activate immediately once they touch the skin or are placed within three inches of the body. They are even effective when placed on top of clothing. There are no side effects because they are non-transdermal patches, meaning that nothing is being transferred from the patch to the body.