



## Four sources of energy

The "Handy Cure s`` device combines four energy sources, each is known for its therapeutic effect.

Incorporation of this four sources- pulse laser radiation, pulsating infrared radiation, Pulse visible red light and static magnetic field, into one single device gives synergistic therapeutic effect and the recovery is achieved rapidly.

**Super Pulsed Infrared Laser Radiation** penetrates up to 7cm deep and has strong stimulating effects on blood circulation membranes and intracellular metabolism. Laser emits energy in a form of photons; these particles of energy are absorbed by cells and tissue resulting in conversion of light into biochemical energy. Multiple physiological responses are thereby initiated and normal cell function is restored. This process is curative and eliminates symptoms (i.e. pain, edema, etc).

Some of the biological effects of LLLT:

- Bio stimulation and photo-stimulation;
- Endogenous opiate production;
- Capillary and pre-capillary vasodilatation;
- Increased neo-vascularization;
- Increased collateral axons sprouting;
- Increase in perception of sensory nerve;
- Increase in amplitude of action potential of nerves;
- Prevention of post-traumatic degeneration of nerves;
- Stimulation of the regenerative processes of tissues;
- Stimulation of the immune system;
- Stimulation of the metabolic system;
- Increased leukocyte pagocytosis;
- Increased collagen and fibroblast synthesis;
- Increased DNA and RNA synthesis in E coli cells;
- Increased cell respiration and production of cellular products;
- Increased activity of succinic acid dehydrogenization in tissue surrounding wound rim;
- Acceleration of fracture consolidation;
- Increased ESR in patients with Rheumatoid arthritis;
- Decreased prostaglandin level;
- Increased epithelial activity;
- Increased drainage of interstitial liquids;

**The magnetic field** provides energy-mediated protection of organism against the deleterious environmental impacts, including climatic factors and electromagnetic fields. The magnetic field also keeps ionized molecules of tissues in a dissociated state, thus enhancing the energy potentials at the molecular and cellular levels.



In addition, the magnetic field influence the dipoles of the biological molecules of the fluid media of the body to pass from the chaotic state into the oriented state, lining up exactly along the power lines of the external magnetic field; the direction of these power lines coincides with the direction of the laser radiation. In this case less radiation is loosened than in case when there is no external magnetic field.

Clinical Effects:

- pain relief
- improvement of cell regeneration potential
- improvement of tissue nutrition
- antiedemic effect

**Infrared radiation** penetrates shallower tissue depths and has a broader spectrum compared to laser radiation. It has powerful tonic effects on the central and vegetative neural systems.

Clinical effects:

- prevention and treatment of cellulite
- heating of superficial tissue levels
- influence on skin receptors, with an increase of pain threshold
- activation of microcirculation
- improvement of epithelium and skin regeneration
- deepening of laser radiation penetration into tissues.

**Pulsed red light** is identified with beneficial anti-inflammatory effect (especially in areolar tissue). According to long-term studies, pulsed red light is known to improve psycho emotional tonus - despite the fact that it penetrates smaller tissue depths.

In addition, red light makes a treated area visible and has a local warming and psychotherapeutic effect.

Clinical effects:

- analgetic effect
- prevention and treatment of cellulite
- improvement of microcirculation
- antiedemic effect
- marked therapeutic effects on joints with the abundant areolar tissue.