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Light medicine: Holistic effects of Biopton light system (480-3400nm) on wound healing at patients with chronic wounds

Introduction: The sun is a powerful source of energy. Light is part of the electromagnetic spectrum. Light medicine is the science about effects of light therapy in the treatment diseases. Phototherapy is not new concept. In the ancient time Egyptians, Greeks were using sunlight like “Heliotherapy”. Hippocrates “Father of Medicine” prescribed heliotherapy for physical and psychological problems. Dr Niels Ryberg Finsen was awarded with nobel price for therapy skin diseases with light beams. We consume light through food and photosynthetic processes, our DNA produces light: each of our cells in the body emits more than 100,000 photon pulses per second. Impulses are called biophotons and are responsible for maintaining good health. The team of Hungary scientist made a light source using the combination of visible and infrared lights, which is the cause for the Biopton system light therapy. Project of Clinical research: “Appliance Biopton polarized light (480 -3400nm) in the therapy of dermatosis: Acne vulgaris and ulcer cruris”, was my first step in the world of light medicine. Project Approved by: members of Scientifically Research Institute of Clinical Center of University in Sarajevo and members of ethics committee of Clinical Center University in Sarajevo Number 03.05.-5768. date: 08.03.04). The physical parameters of this light source are as follows: wavelength 480-3400 nm power density 40mW/cm² at the distance of 10cm. At each treatment session, a patient received an average flounce of 19,2 J/cm² with bio stimulation effects. Water is an essential ingredient of all living organisms. In some organisms it makes up 99% of their mass, in humans about 70%. Water is a medium. When exposed to sunlight, water in a colored container absorbs the vibrational energy of that particular color. It absorbs and conducts information, messages, emotions, vibrations.

Aims: 1. Establish the influence of the Biopton light therapy on the skin disesses: Acnae vulgaris, chronic wounds different etiology, rosacea, anti-aging, vitiligo, pyoderma chronica. 2. How does it work – Photon, on the phasis of wound healing 3rd.

The aim of this research is to examine whether Biopton hyper light affects the properties of drinking water. Whether and what effects *Hyper Water*[®] has on the body.

Material and methods: Wound healing is a complex process that consists of different stages, which are traditionally divided into 3 overlapping phases. Patient with chronic wounds treated on the base GCP. CEAP (clinical, etiology, anatomy, patophysiology) clinical descriptive classification (American Venous Forum, 1994) corresponds to the clinical picture of ulcus cruris All patients made: basic laboratory findings, immunoassay (IL-1, IL-6, MMP-1, MMP-3), microbiological analysis, color doppler, biopsy of the edge and PHD to exclude or confirm an ulcerated tumor of the skin (basiliom, spinaloma). TIME principle (for local care). Six patients, aged 30-82 years, were included in the pilot study. Both sexes are represented: three females aged 30, 60 and 82 years. Three males, aged 30, 60 and 76 years. We monitored the general condition, mental and physical, blood findings, skin findings as well as specific findings for each patient. Light source was Biopton Pro with Fullerene C60 filter on standard operating procedure physico-chemical analyzes of ordinary water and treated water were performed (Euro-Inspekt d.o.o. date: 23.04.2021. Address: H. Kreševljakovića 16-18, Sarajevo, Bosnia and Herzegovina.

Results: The effects of Biopton system light therapy on wound healing involve two main pathways: 1. The fibroblastic structural pathway. 2. The immunological

cytokine pathway. 3. Pain is unpleasant sensation that service to limit or reduce injury to the body. 4. Improved local blood flow. 5. Reduce in muscle spasm. 6. Reduction of inflammation. 7. Induction of natural pain-killing. 8. Reduction of pain transmission by direct action on peripheral nerves. All patients with ulcers, had a positive value of the change in healing area size and depth, wound bed condition. Patients did not have pain faster healing of ulcers. Results of physical-chemical analysis of the pilot project "Influence BIOPTRON VLPL with Fullerene C60 filter in the process of "photophoresis water" show that *Hyper Water*[®] has different values of pH (7.37) and mineral concentration (mg/l: NO₃, SO₄, CaCO₃, Ca, Mg (9,7), in relation to ordinary water, which may explain and effects that patients reported as a sweet testing with feeling of fullness, very pleasant to drink. Patients reported feeling well psycho physically.

Conclusion: 1. *Hyper Water*[®] is alkaline water. 2. *Hyper Water*[®] has an ideal pH value of

7.37 (blood pH is 7.35-7.45). 3. Maintains a mild alkalinity of the body. 4. *Hyper Water*[®] has more Mg than ordinary water which is a key component in the range of alkaline enzymes. 5. *Hyper Water*[®] gives the body necessary a number of important minerals to regulate pH values, especially Ca and Mg. 6. *Hyper water*[®] molecules are energy pattern C60-quantum information (HPL Tesla Toroid) harmonizing effect on the water of human being. 7. Water in an optimal hexagonal state of coherence and

thus healing processes of body stimulate healing processes leading to homeostasis. 8. *Hyper water*[®] in a colored container absorbs the vibrational energy of particular color used to balance our physical and emotional state. 9. Color is energy, which is required by all cells in the process of all 3 phases of wound healing process.

Recent publications

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Biography

Jasmina Begić is a medical consultant for BIOPTRON, Zepter International for Bosnia and Herzegovina, founder of Association for Wound Management in B&H, founder and author of Euro-Asian Forum, one of founder of BALWMA. She is currently working as a dermatovenerologist in Biopton International team -Wound Healing. She finished her graduation and post-graduation studies at Medical School of University Sarajevo, Sarajevo, Bosnia and Herzegovina and completed her PhD in the field of tissue regeneration and wound healing from Indian Institute of Technology, Kharagpur. She is also active member in UEMS TF WH, EWMA, EADV.

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