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### HOLISTIC EFFECTS OF POLARIZED LIGHT (480-3400NM) IN THE TREATMENT OF CHRONIC WOUNDS: DIRECT AND INDIRECT BENEFIT

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**Aim:** Asses direct and indirect benefits for individual and society after appliance polarized light (480-3400nm) in the treatment of Chronic wounds.

**Materials / Methods:** We treated 50 patients with polarized light (480-3400nm) once a day for eight minutes on the distance of 10 cm from skin surface. Energy density is  $2,4\text{J}/\text{cm}^2$  for minute and power density is  $40\text{mW}/\text{cm}^2$ . For topic therapy we used hydrobalance dressing.

**Results:** Polarized light (480-3400nm) has a stimulatory effect on healing. Acceleration of wound closure. Stimulation of body defense mecanisms with general bactericidal and antitumor effects. Reduction of pain transmission by direct action and peripheral nerves.

**Conclusion:** Polarized light (480-3400nm) is suplemntar therapy in the treatment of chronic wounds and it is: simple, non invasive therapy, with biostimulative effects, without unwished effects.