



Low Intensity Laser and Deproteinized Extract of Sanguin on Lower Limb Ecthymatous Ulcerations

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Abstract: Purpose: to evaluate the efficacy of low intensity laser therapy (LILT) and deproteinized extract of sanguin on lower limb ecthymatous ulcerations. Methods of evaluation (Measurement of the ulcer surface area and the colony count). **Methods:-** Forty five patients (Males and Females) who had ecthymatous ulcerations of lower limbs, their ages ranged from 12 to 22 years, they were free from any immuno-deficiency disorders or disease that can affect healing process, they were selected randomly from patients of the dermatological department of Cairo university Hospitals. They were divided into three groups. Group A: (LILT group): composed of 15 patients who received the LILT in addition to the medical care of ecthymatous ulcerations. Group B:(Solcoseryl jelly group): composed of 15 patients who received the solcoseryl jelly in addition to the medical care of ecthymatous ulcerations. Group C : (LILT and solcoseryl jelly group): composed of 15 patients who received the LILT and solcoseryl jelly in addition to the medical care of ecthymatous ulcerations. Measurements were conducted before starting the treatment as a first record and at the end of the fourth week of treatment as a second (final) record. **Results and conclusion:-** Results showed that application of both the LILT and solcoseryl jelly had a valuable healing effects on ecthymatous ulcerations as evidenced by the highly significant decreases in ulcer surface area and colony count. But the cumulative effect of both the LILT and solcoseryl jelly was more fruitful than application of any one of them alone. **Key words** (Low intensity laser therapy, Solcoseryl jelly, Ecthymatous ulcerations, Ulcer surface area and Colony count).