

BIOPHOTONIC TREATMENT IN CHRONIC WOUND, EXPERIENCE IN A 4 WEEK OBSERVATIONAL STUDY.

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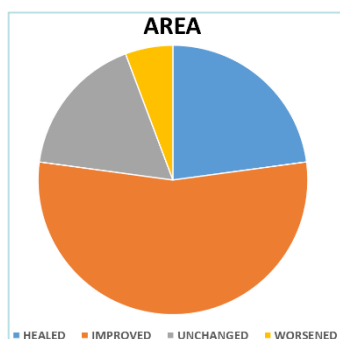
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Background and Aims: A new Biophotonic treatment with a device with a blue lamp was introduced in wound care treatment; the supposed activity is on mitochondrial level. A clinical observation was conducted to evaluate clinical effectiveness.

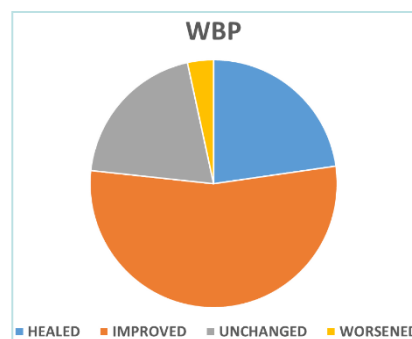
Methods: This is an open label observational study. 35 patients were enrolled with chronic leg ulcer. Inclusion criteria where ulcer with a minimum 8 weeks age and without clinical sign of healing. Exclusion criteria: necrotic tissue and infected wound. All patients received treatment for aetiology and local situation according to the gold standard guideline. Previous informed consensus signature patients were enrolled; data collected were aetiology, age of wound, WBP score according to Falanga, area and pain with VAS score. Treatment with the device was applied for 1 minute one time a week, data collected at every treatment.

Results: Out of 35 patients enrolled 34 ended the study; one dropped out due to an unrelated problem (pneumonia). 13 males and 22 females were included; medium age 71,8 with a range 18-96, medium age of wounds was 32,1 months with a range 2 – 260. Results are available on 34 patients, picture 1, 2 and 3. No adverse events were registered.

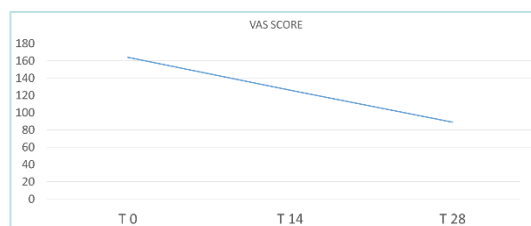
Conclusions: clinical data show a very exciting performance on all the parameter evaluated, in absence of adverse events.



Picture 1: area's result



Picture 2: WBP result



Picture 3: VAS result

BIBLIOGRAFY 1. Essex HN, Clark M, Sims J, Warriner A, Cullum N. Health-related quality of life in hospital inpatients with pressure ulceration: assessment using generic health-related quality of life measures. Wound Repair Regen 2009;17:797-805. 2. Gorecki C, Brown JM, Nelson EA, Briggs M, et al. Impact of pressure ulcers on quality of life in older patients: a systematic review. J Am Geriatr Soc 2009;57:1175-83.