

Extracorporeal Shockwave Therapy for Chronic Skin Lesions: Cases Reports

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The aim of this study was to evaluate the efficacy and safety of extra corporeal shock wave therapy for the treatment of chronic skin lesions.

The study consisted of patients with ulcus cruris or ulcers at their extremities as well as chronic open wounds, septic or aseptic. To be included in the study, patients must have had the disease for a minimum of 3 months and it should be categorized as chronic disease; and to have failed conservative therapy for at least 3 months. Patients aged 18 and older were included in the study.

Exclusion criteria :

- malignant mutations in the therapy area;
- anatomic anomalies in the therapy area;
- acute inflammation in the therapy area;
- treatments at the head or neck;
- coagulopathies;
- pregnancy;
- and children.

Since October 2005, we have treated 12 patients with different etiologies (diabetes type I and II and venous ulcer) using a Reflectron device (HMT) with a special therapy head.

The patients were separated into 2 groups:

Group 1 - one application / week

Group 2 - one application every 2 weeks

The energy flux density was 0.03 mJ/mm² to 0.06m/mm². The treatment was performed without anaesthesia.

The study showed promising results with complete or partial healing in most of the patients . Prospective randomized trials have to be performed in order to prove safety, efficacy and stability of the results of shockwave therapy to treat chronic skin lesions.