

A case series of acute wound treated with Blue Light

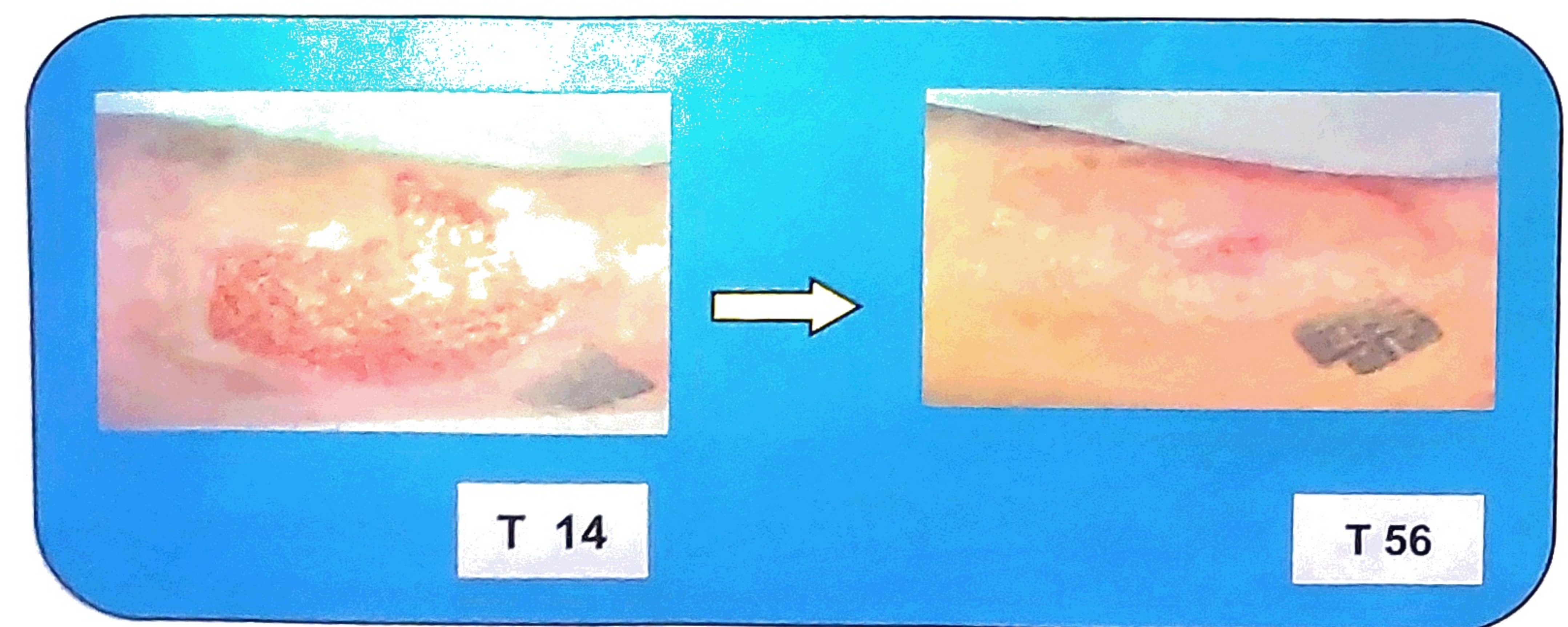
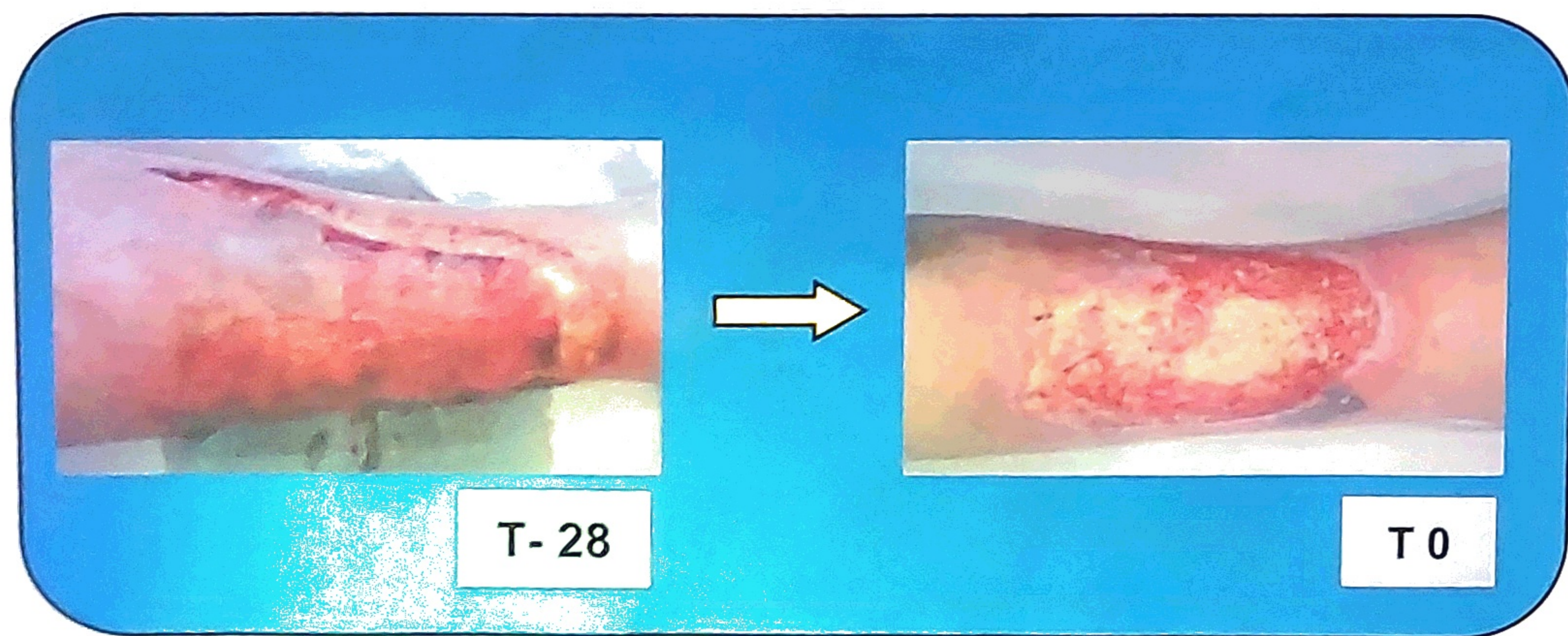
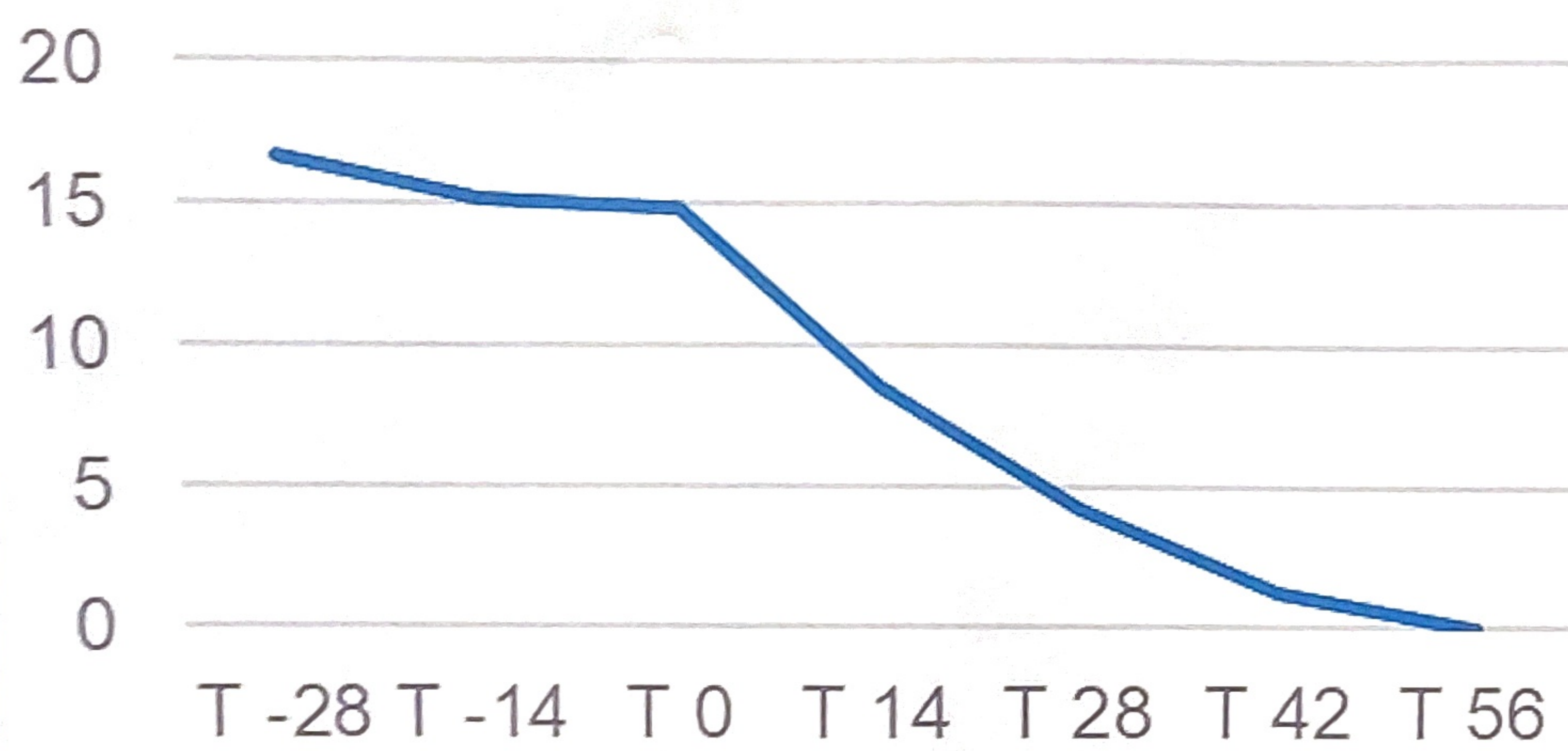
Ricci E., Pittarello M., Ricci A.P.

Difficult Wound Healing, Unit St. Luca's Clinic, Pecetto Torinese (Turin), Italy

AIM OF THE STUDY

Evaluation of a phototherapy device based on the use of blue light in the treatment of acute lesions at risk of becoming chronic. (1)

MEAN AREA EVOLUTION



DISCUSSION

The device was found to be extremely effective in preventing chronicity and accelerating repair.

MATERIALS & METHODS

15 patients with acute skin lesions, trauma or surgical dehiscence of lesions were enrolled, all patients at risk of becoming chronic due to underlying pathologies. Analysis on a single parameter, the reduction of the area. Patients underwent a 4-week run-in period with advanced medication treatment. In a second 4-week period, they underwent a double weekly blue light treatment. Finally they were observed for a further 4 weeks. Data were collected on a biweekly basis. The area was analyzed using a photographic detection system based on an artificial intelligence algorithm.

RESULTS

At the end of the 12-week period we obtained resolution of all treated lesions. At the end of the 4 weeks of treatment we obtained the resolution of 7 lesions (46.7%), at 6 weeks 13 healings were obtained (86.7%). The average reduction in the area was 10.6% at the end of the Inn run and 71% at the end of the 4 weeks of treatment.

(1) EMOLED