



BLU LIGHT

THE COLOUR
OF REGENERATIVE
SCIENCE

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**CONTRIBUTION OF BLUE LIGHT IN THE PROCESS OF HEALING:
CASE STUDIES ON CHRONIC LESIONS.**

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Beginning of observation



Week 6

CASE STUDY A: PERI-MALLEOLAR DECUBITS

Level of healing: 100%

N of applications: 5

Age: 87 years old

Pathology: CVI

Type and ulcer location: peri-malleolar decubitus ulcer

Age of the ulcer: 4 months

CASE STUDY B: TRAUMATIC ULCER

Level of healing: 100%

N of applications: 5

Age: 87 years old

Pathology: CVI

Type and ulcer location: traumatic lower leg injury, tibia face

Age of the ulcer: 4 months

Clinical history: MA treatment in another health institution



Beginning of observation



Week 6



Beginning of observation



Week 7

CASE STUDY C: TRAUMATIC ULCER

Level of healing: 100%

N of applications: 3

Age: 49 years old

Pathology: CVI

Type and ulcer location: lower leg traumatic ulcer

Age of the ulcer: 11 months

Clinical history: ulcerectomy and homologous skin graft on 1/10. By 10/10 implant was no longer in place.

CASE STUDY D: TRAUMATIC ULCER

Level of healing: 100%

N of applications: 3

Age: 88 years old

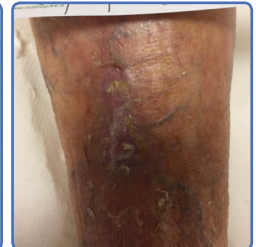
Pathology: heart disease, collapsed vertebra and osteoporosis

Type and ulcer location: lower leg traumatic ulcer

Age of the ulcer: 3 weeks



Beginning of observation



Week 3



Beginning of observation



Week 5

CASE STUDY E: MARTORELL ULCER

Level of healing: 95%

N of applications: 2

Age: 72 years old

Type and ulcer location: lower leg Martorell ulcer

Age of the ulcer: 4 months

Significant reduction of pain

CASE STUDY F: TRAUMATIC ULCER

Level of healing: 95%

N of applications: 4

Age: 82 years old

Pathology: CVI

Type and ulcer location: traumatic lower leg injury, tibia face

Age of the ulcer: 7 months



Beginning of observation



Week 10

References

Clinical investigation initiated by Dott. G Mosti and Dott. S Gasperini

Type of ulcers

Ulcers of various etiology with average age of 5.57 (SD 3,12 months)

End point

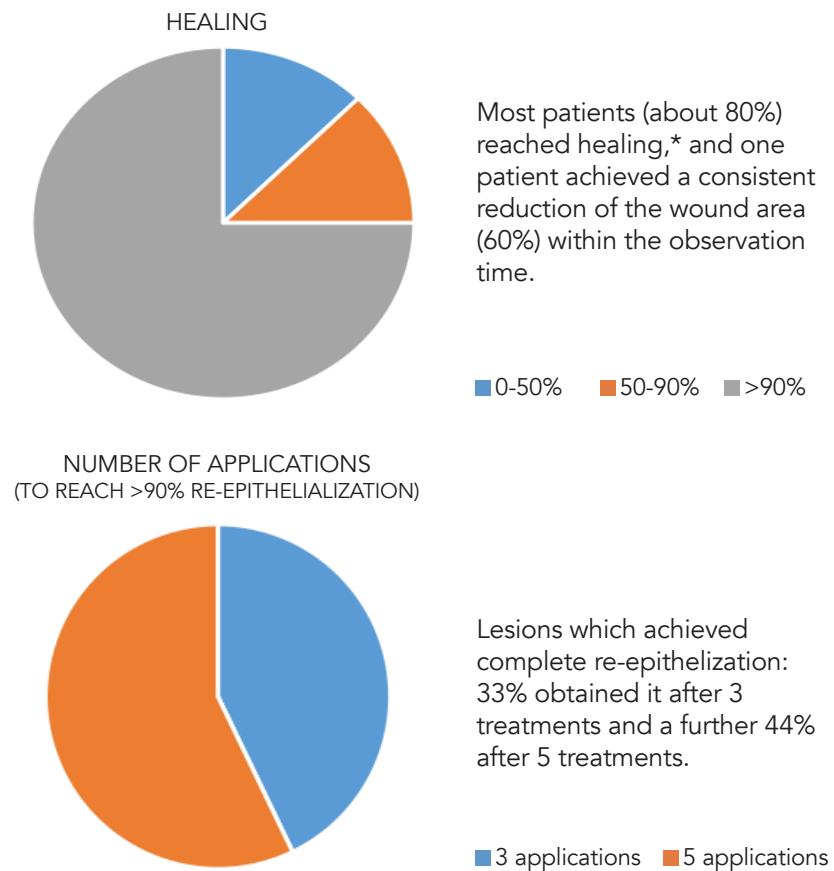
Measure of healing times

Method

Treatment of the wound area for 60s once a week or once a fortnight up to a maximum of 12 weeks.

Registration of the patient relevant data at the beginning of the observation.

Filling of a dedicated form at each visit and photo registration.

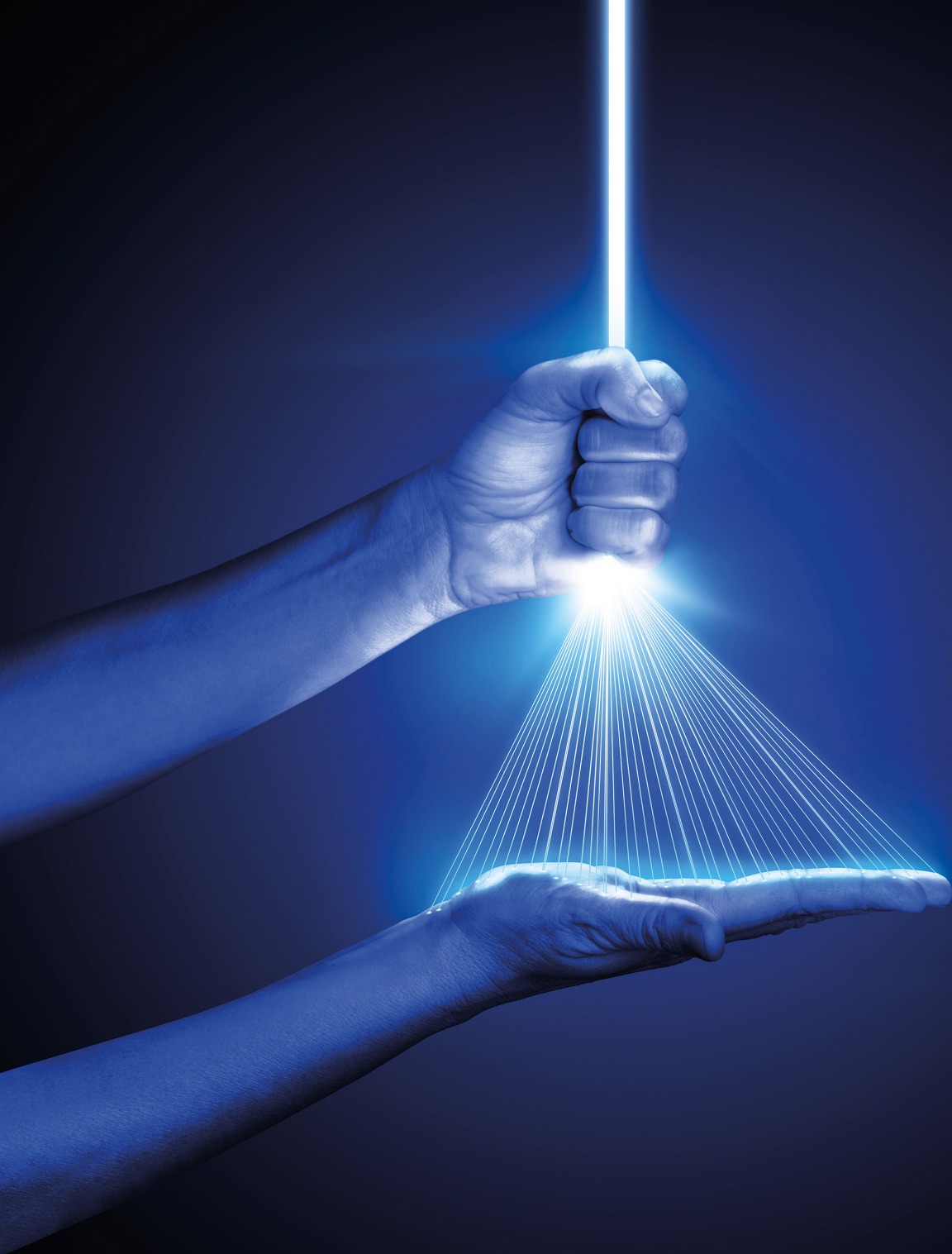


- All the lesions reacted to the treatment
- 78% of the lesions have healed within 12 weeks
- Average healing time was 6,6 weeks (minimum 3 weeks, maximum 10 weeks)
- No adverse events or side effect were observed

*An ulcer that has achieved >90% of re-epithelialization is considered healed.

Conclusions

The authors claim, albeit primarily, that Blue Light treatment is an effective and innovative therapy for the treatment of chronic lesions. The interesting preliminary results, based on what has been observed, have led the authors to plan a structured and multicentric study which will involve 90 patients.



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