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CHEMICAL SKIN RESURFACING

BY USING DIFFERENT FORMULATIONS RANDOMIZED CLINICAL EVALUATION

BACKGROUND

The main purpose of anti-aging treatments is to stimulate neo-cologonesis/elastine sintesys; to increase glycosaminoglycans which helps to improve the skin quality and hydration. Chemical skin resurfacing is the safest and monst effective treatment.

MATERIALS & METHOD

Study was conducted with 20 patients divided into equal 5 groups. Patients aged 35 - 40, with photo and chrono-aging: wilting, flabby skin, uneven skin tone, thin wrinkles. Patients received application of different chemical peelings. Group 1 Glycolic Acid 30% Group 2: TCA 15% Peel untill Grenz Zone Group 3: TCA 15% PainLess Group 4: TCa 8% & Phenol 15% Group 5: Control. Results evaluated from 1 to 5 by visual scale. Skin ultrasounds were performed before and after the treatment.

RESULTS

GROUP 1

Negligible results of external skin improvement. 2 points by visual scale. No skin changes noticed with ultrasound.

GROUP 2

Good clinical results. 4 points by visual scale. No skin changes noticed with ultrasound.

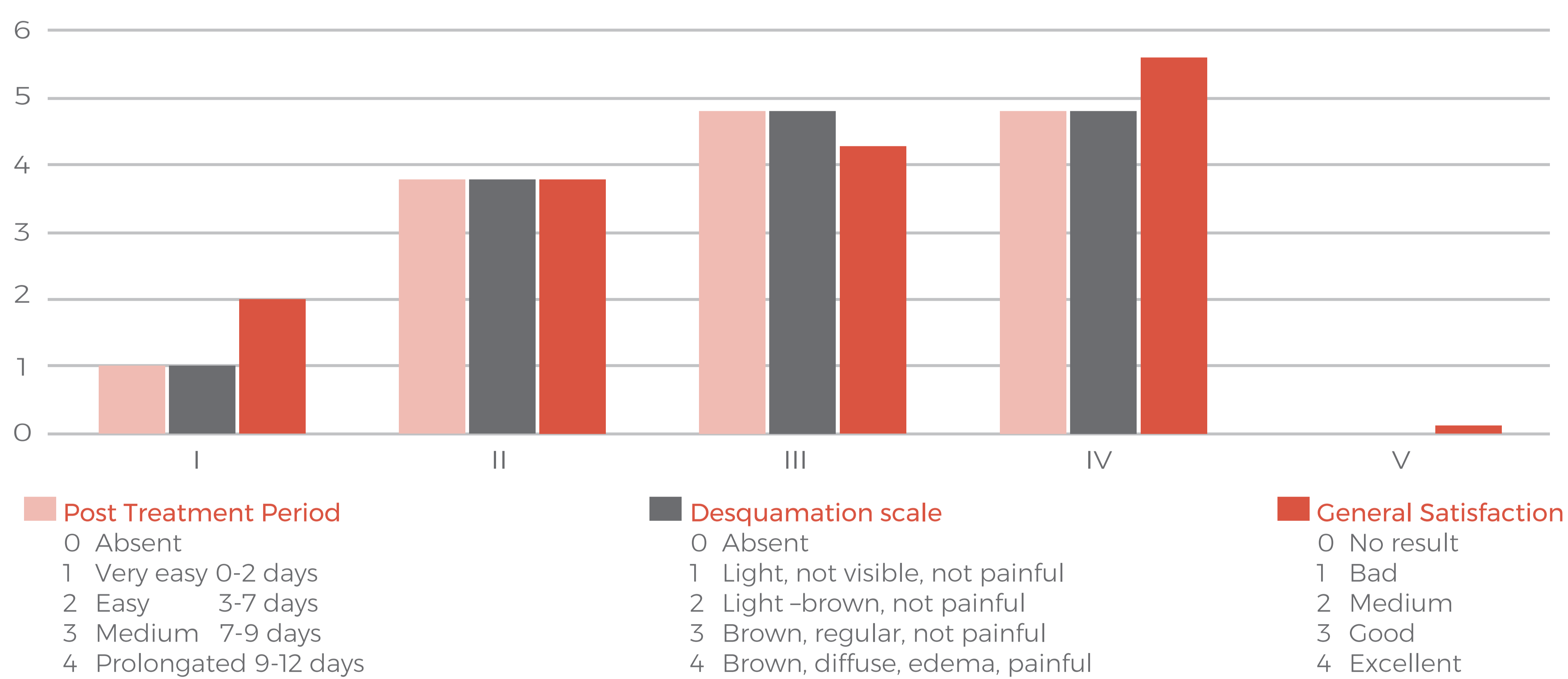
GROUP 3

Good clinical results. 4 points by visual scale. No skin changes noticed with ultrasound.

GROUP 4

Good clinical results. 4 points by visual scale. Ultrasound demonstrates the best results in dermis remodeling.

GENERAL SATISFACTION AND FOLLOW-UP



Before



Before



After



After

CONCLUSION

Combined formulation of 8%TCA + 15% Phenol – Chemical Peel Formulation lead to maximum clinical result for photo aged skin with superficial wrinkles and flaccidity in group of moderate aged patients. Ultrasound could be recommended as diagnosis method to make a follow-up and to control the skin condition before and after the treatment.