

Active Optical Systems Ltd.

IPL Treatments Clinical Research

Our Thanks to the **Research Laboratory** of Surgical Medical Anatomy at the **Dermatology Department of the Sao Paulo University**, for the thoroughly research and the clear clinical report and photos that are shown in this presentation



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Technical Specifications:

Wavelengths:

420-1100nm

Max. Energy:

22 J/cm²

Treatment Spot Area:

15x 50mm

Flashes:

1 Flash every 3-4 seconds

Control Panel:

12 Programs controlled by a Digital LCD

Pulse Duration:

10 ms

Lamp Guaranteed Life Time:

100.000 Pulses (Crystal – 512)

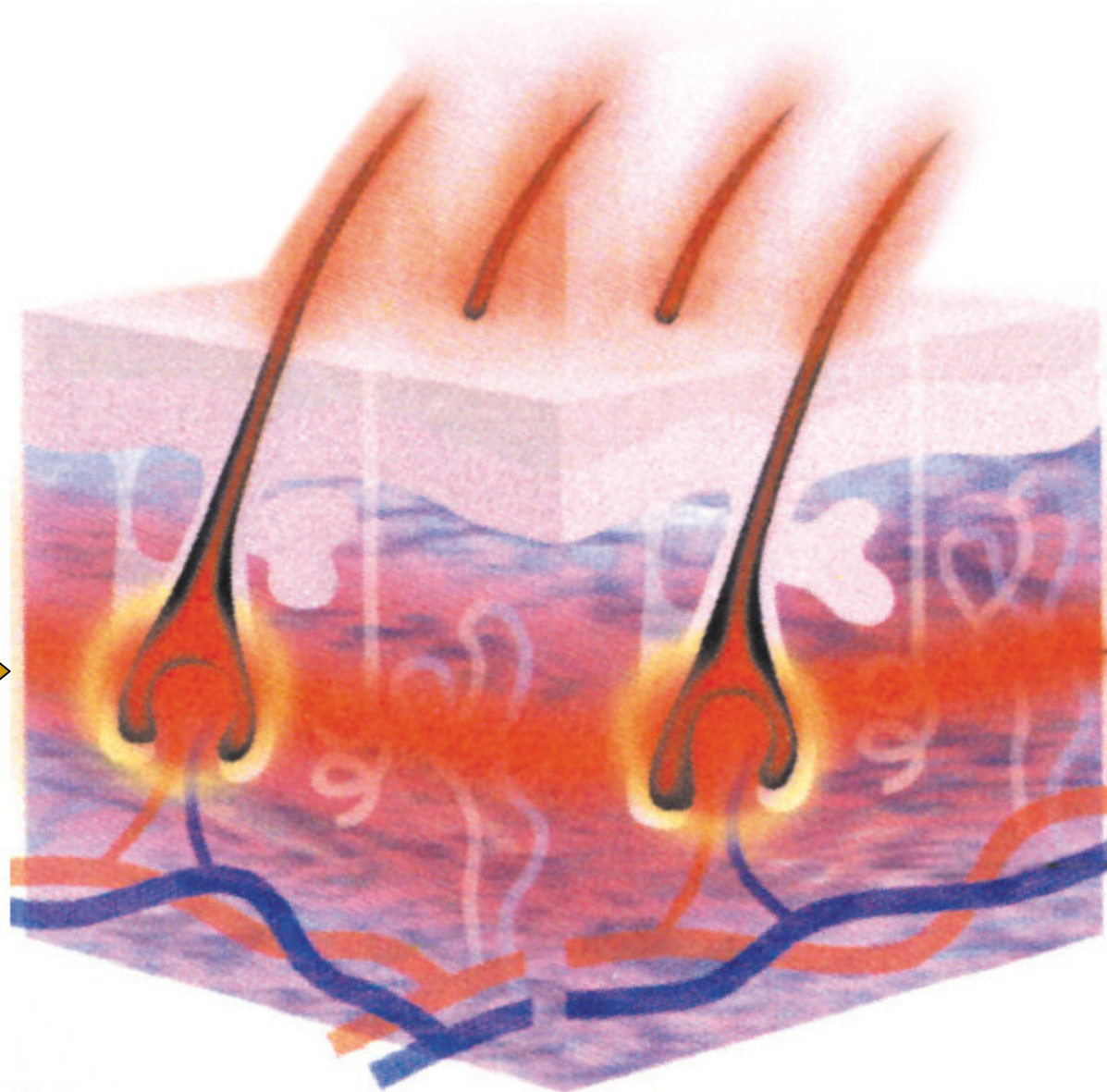
200.000 Pulses (Record– 618)



THE GEM-PL TECHNOLOGY

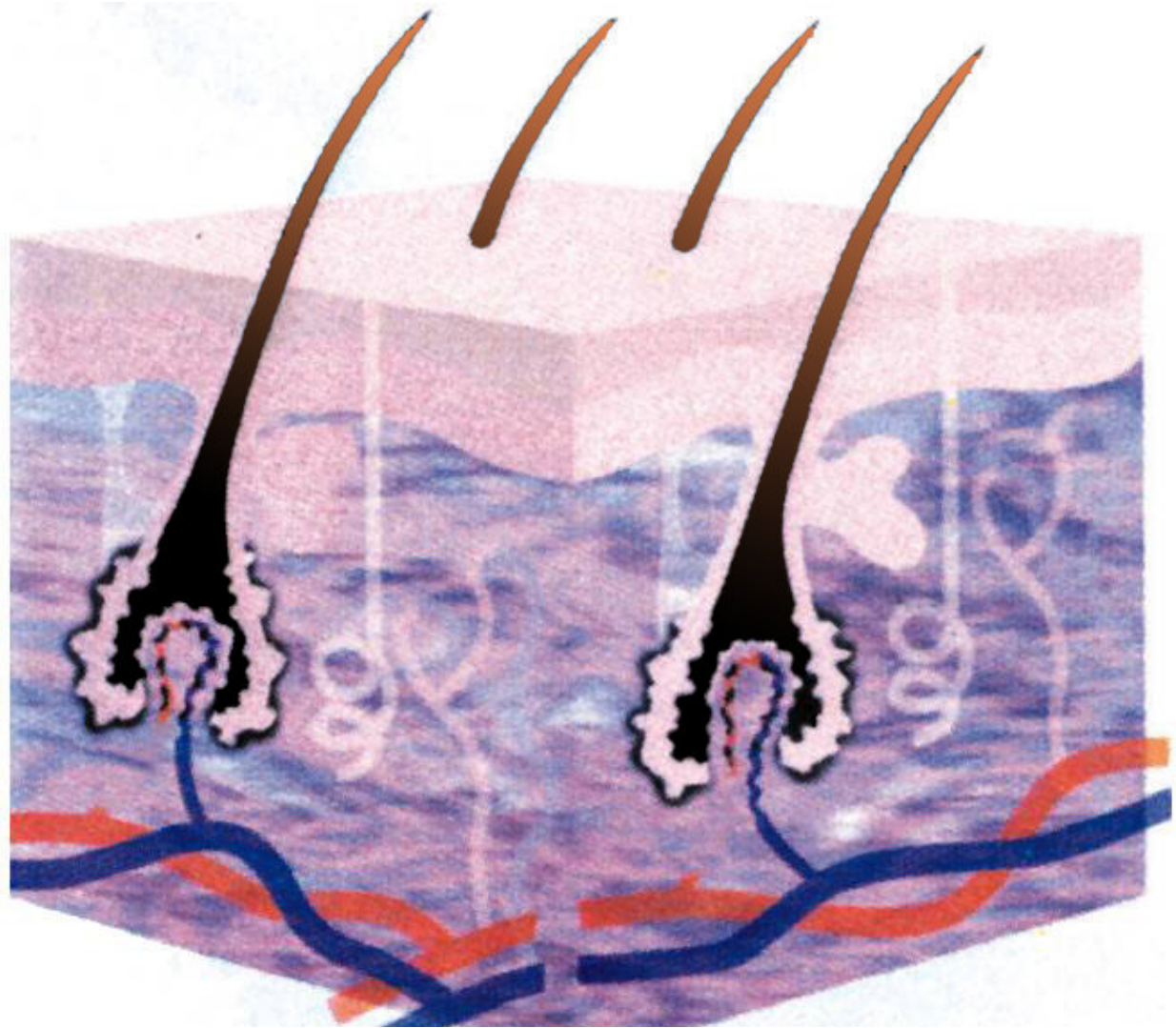


A layer of Energy is created underneath the skin



THE GEM-PL TECHNOLOGY

The Follicles
are damaged
by extensive
heat



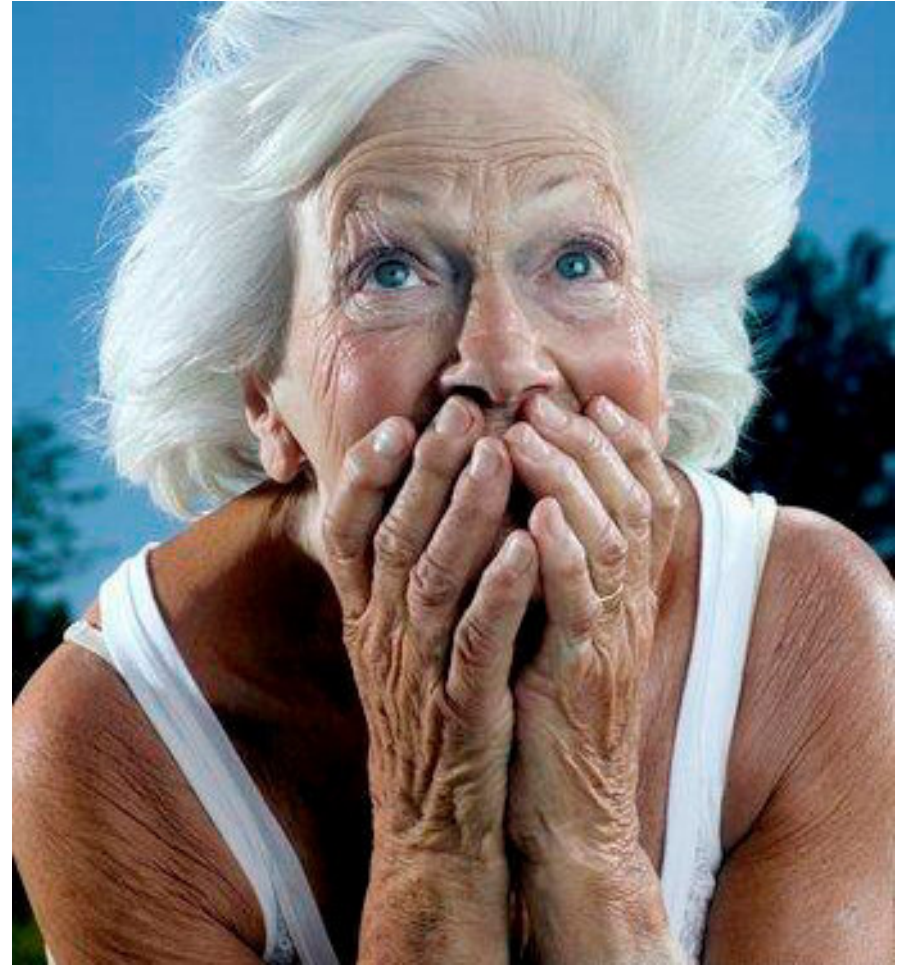
Program	Skin Type	Foto Type	Fluency (J/cm²)
0	Very Dark	V	10
1	Very Dark	V	11
2	Dark	IV	12
3	Medium Dark	IV	13
4	Medium	IV	14
5	Medium Light	III	15
6	Light	III	16
7	Light	II	17
8	Light	II	18
9	Very Light	I	19
10	Very Light	I	20
11	Very Light	I	21
12	High Power (very Light)	I	22

PROTOCOL: SKIN REJUVENATION

- 13 Patients
- Sex: Female
- Age: 35-65 years
- Phototype: II-IV

Remark:

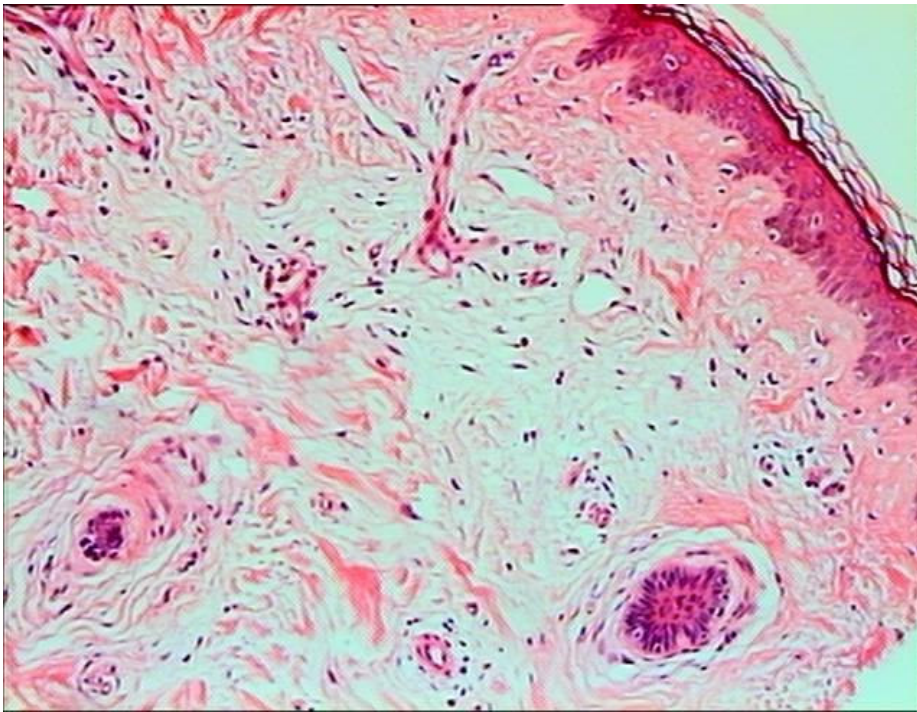
This Research is to confirm that a clear and visible skin improvement is achieved at the end of the treatment sessions. However, some months later (Post-Treatment), an expected regression in the skin Improvement, is expected.



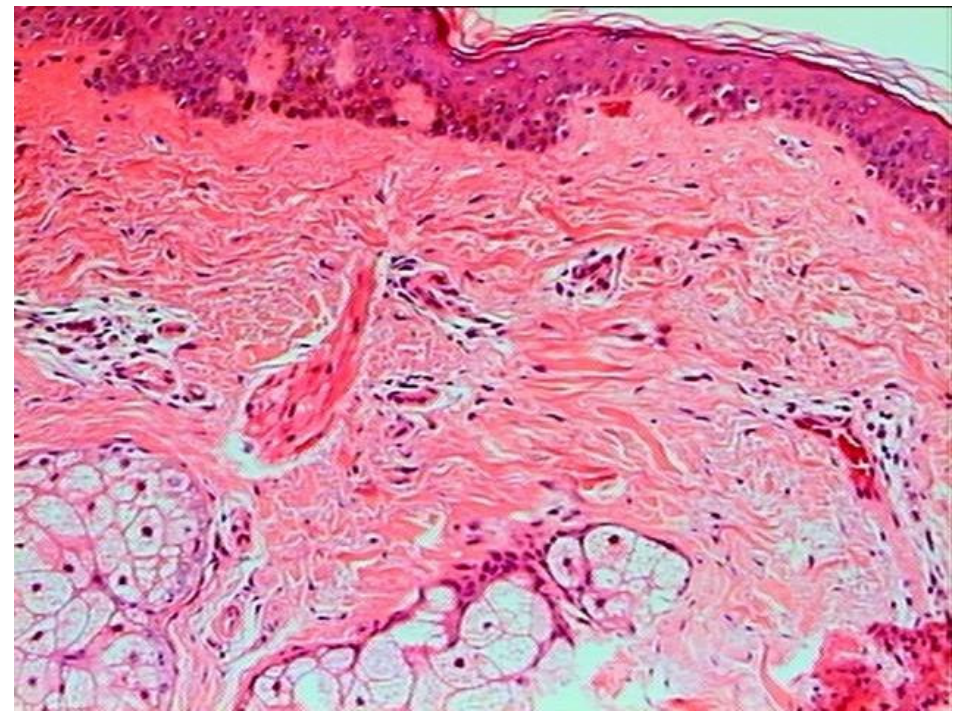
IPL – Rejuvenation

Biopsy (HE Colorant)

Before

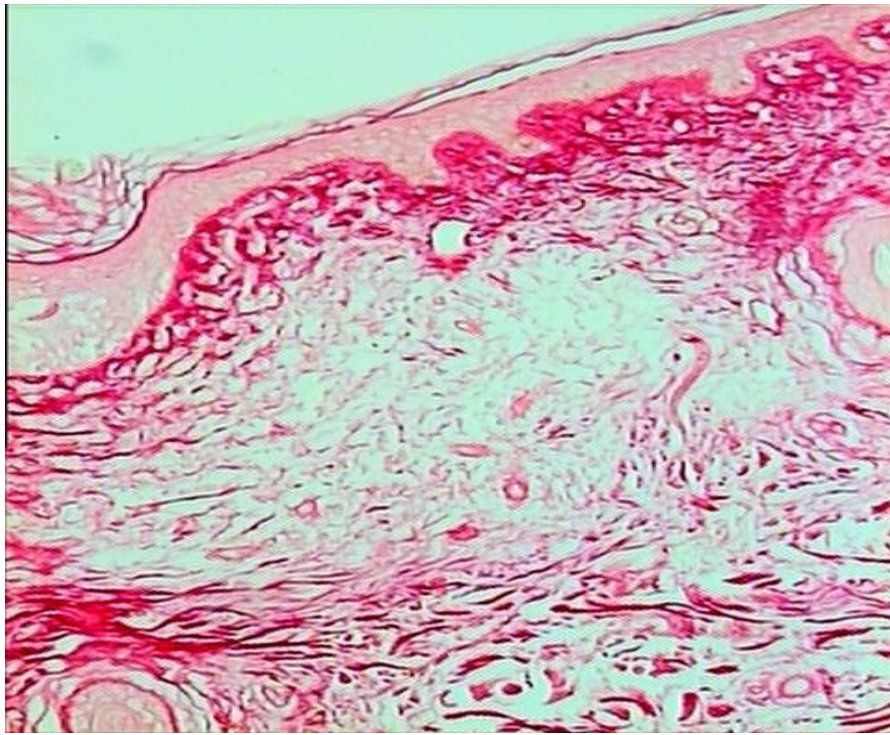


After

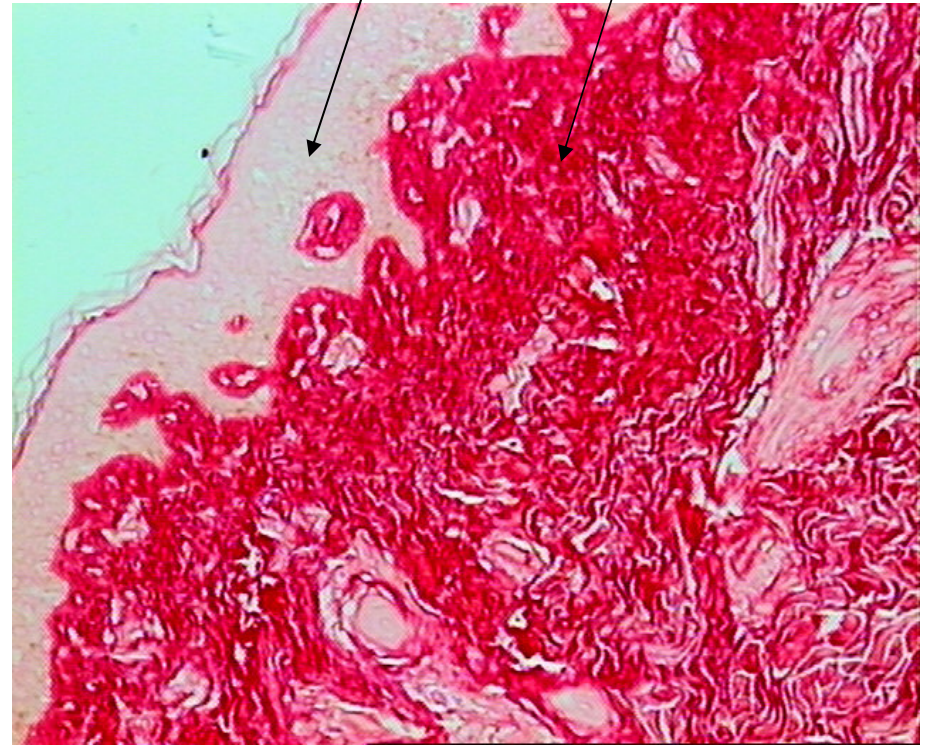


IPL – Rejuvenation Collagen (Picrosirius Colorant)

Before



After



Thicker
Epidermis

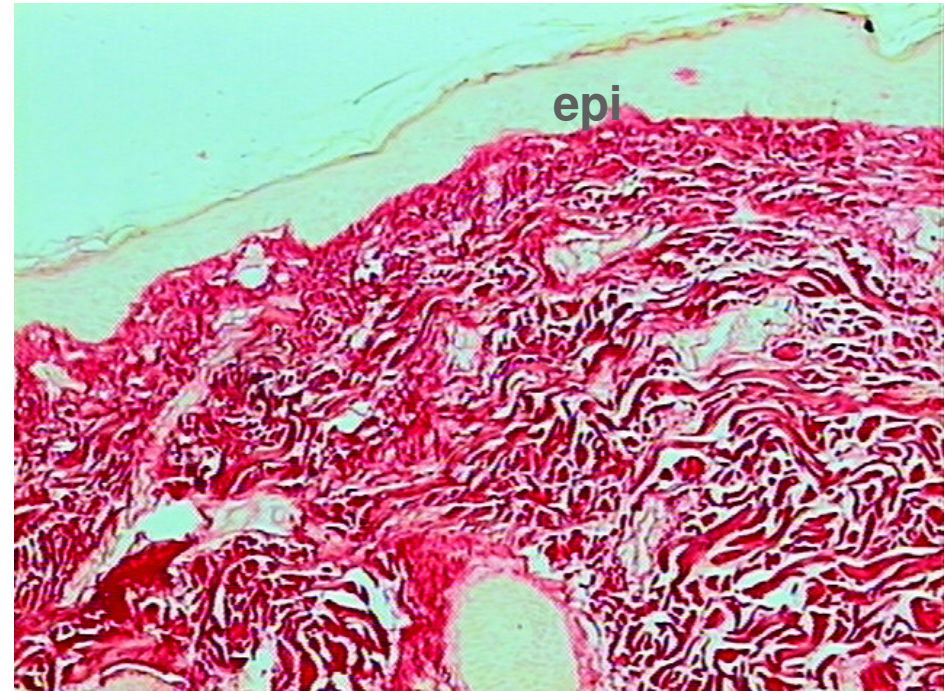
Condensed
Collagen Fibers

IPL – Rejuvenation Collagen (Picrosirius Colorant)

Before



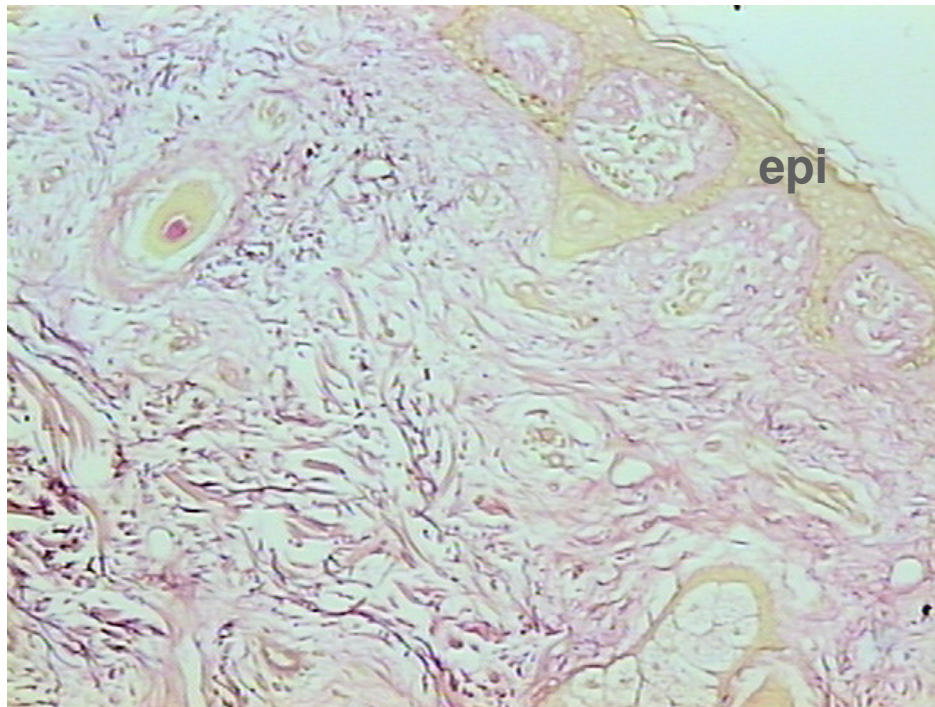
After



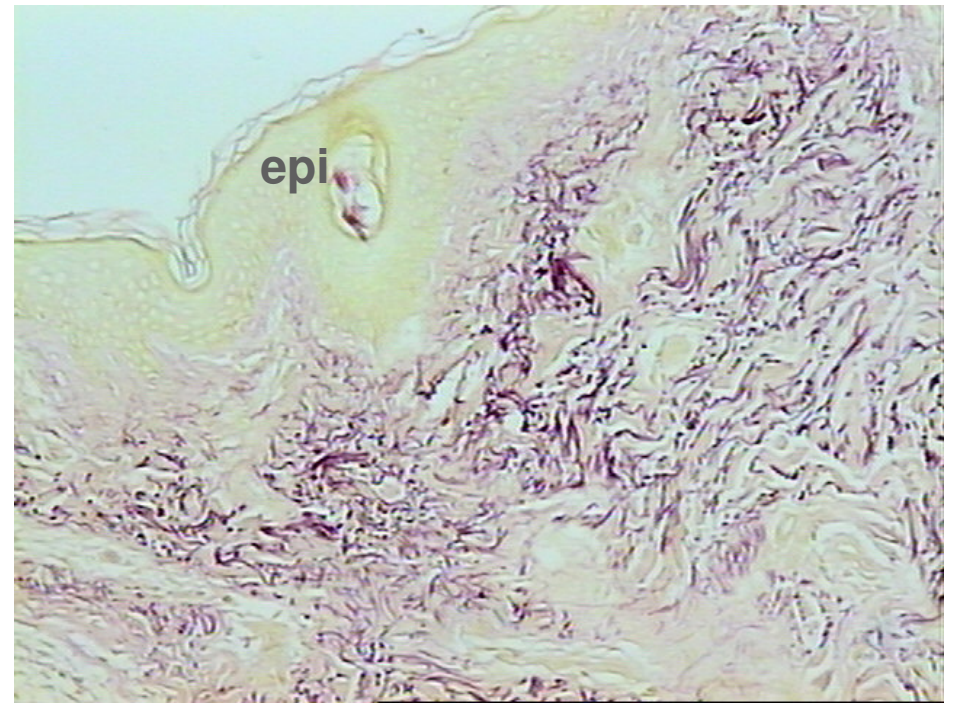
IPL - Rejuvenation

Elastic Fibers (Weigert-Oxona Colorant)

Before

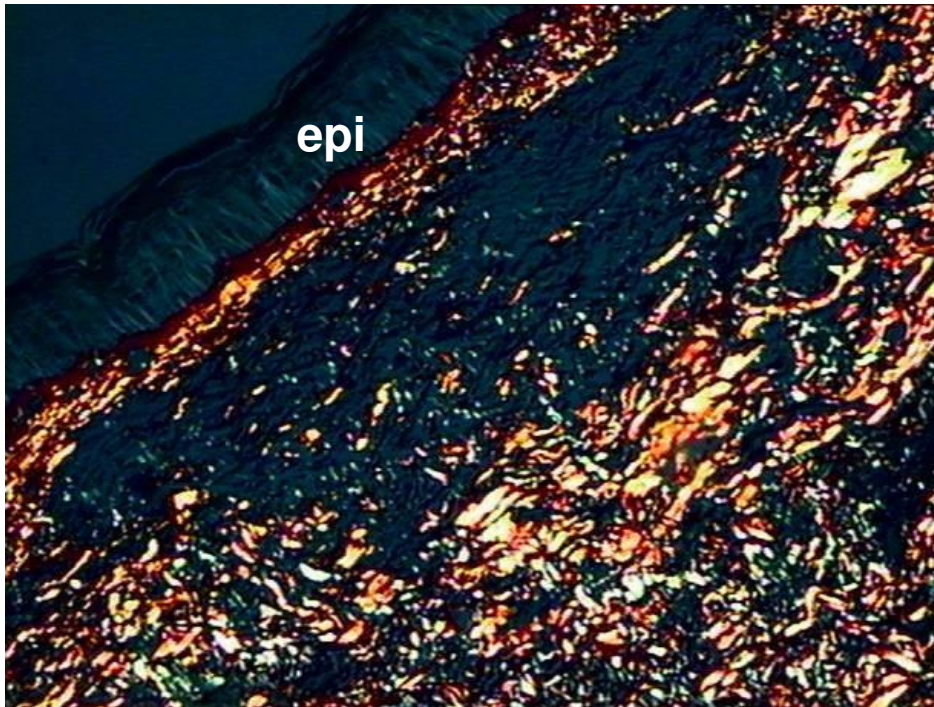


After

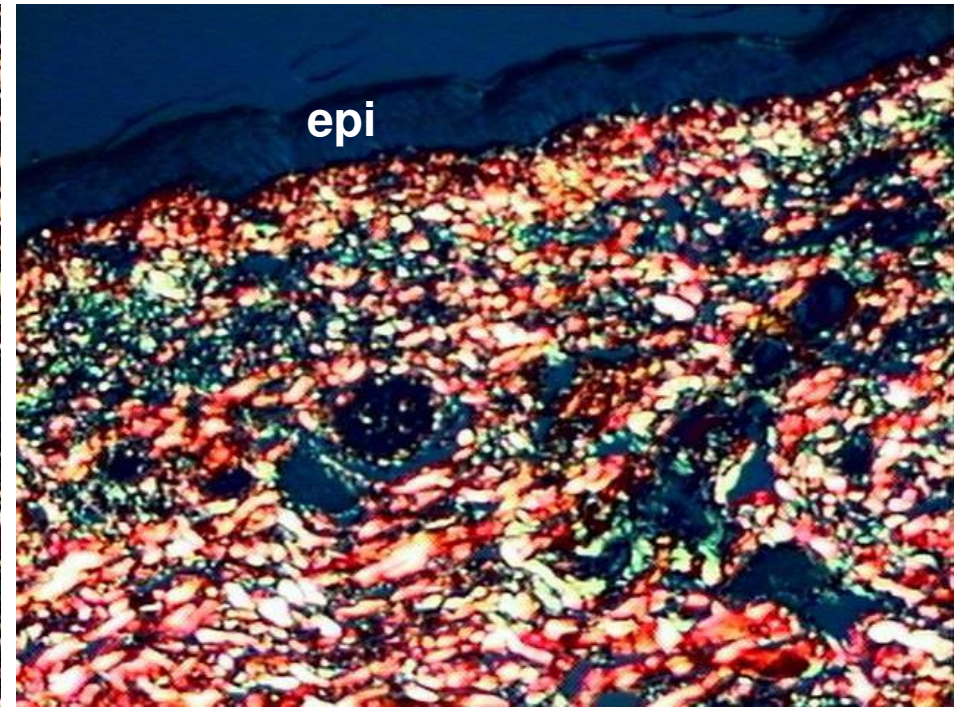


IPL – Rejuvenation Collagen (Polarized Light)

Before



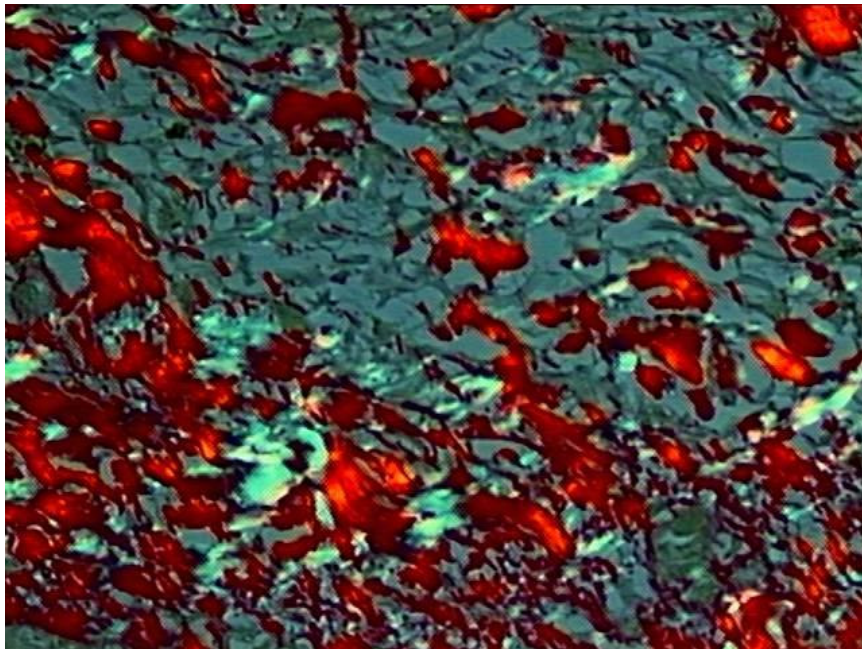
After



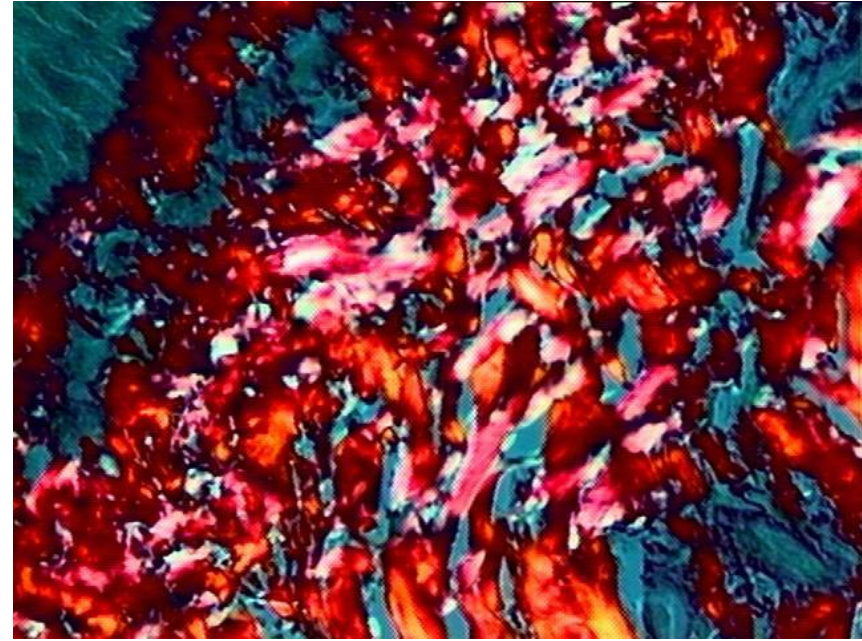
IPL – Rejuvenation

Colagen (Polarized Light)

Before



After





Before



End of Treatments



6 months post treatments



Before



End of Treatments



6 months post treatments

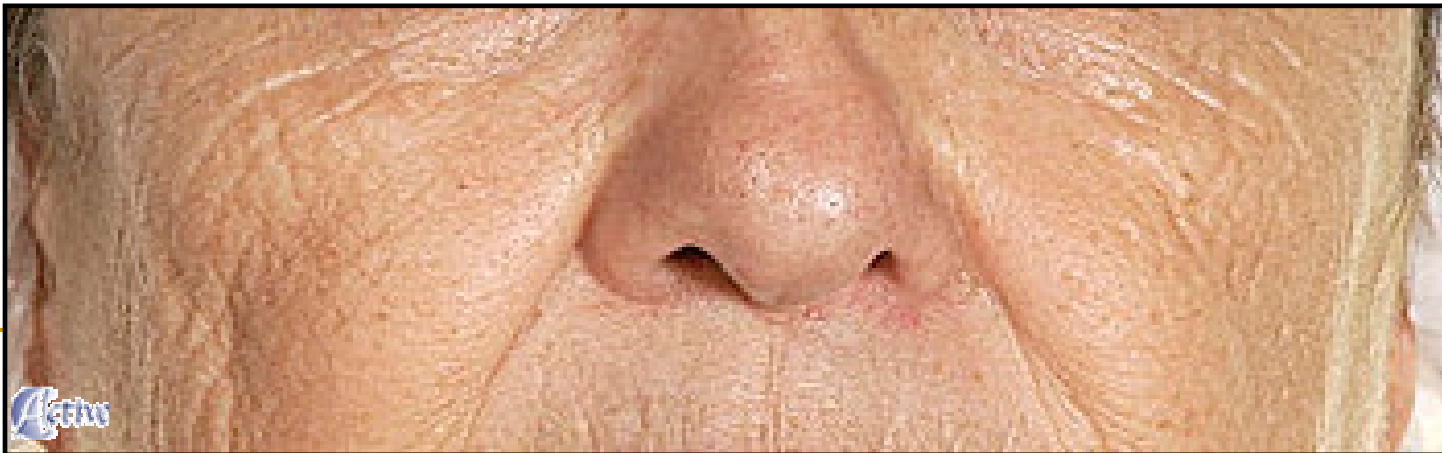
Before



End of
Treatments



6 months
Post treat-
-ments





Before



End of Treatments

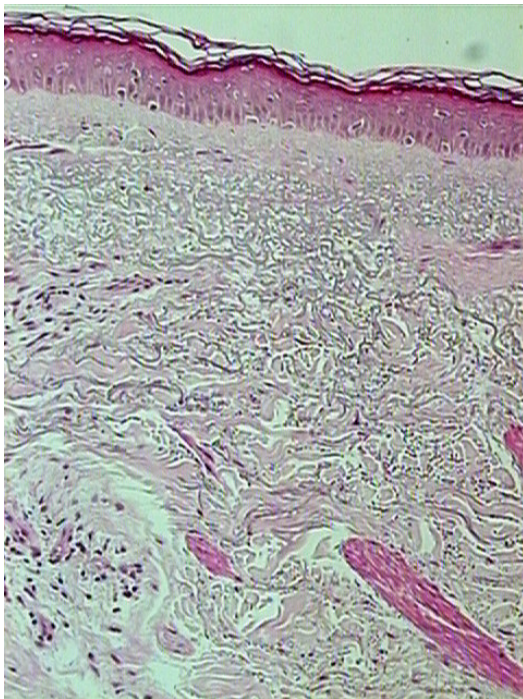


6 months post treatments

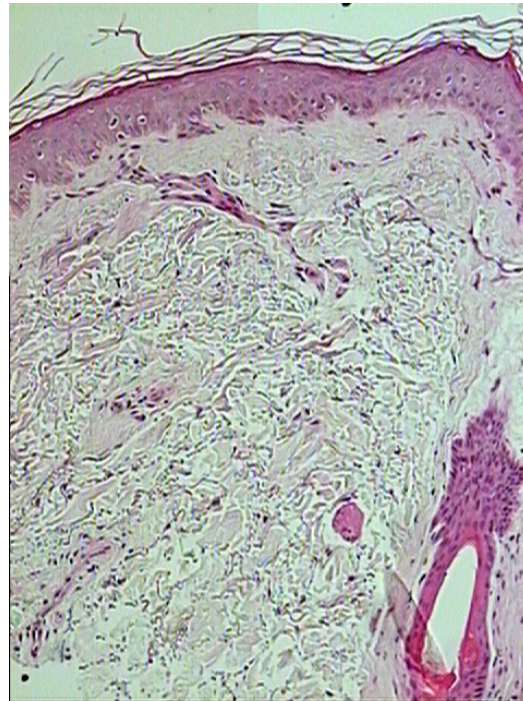
IPL - Rejuvenation collagen

HE colorant

Before

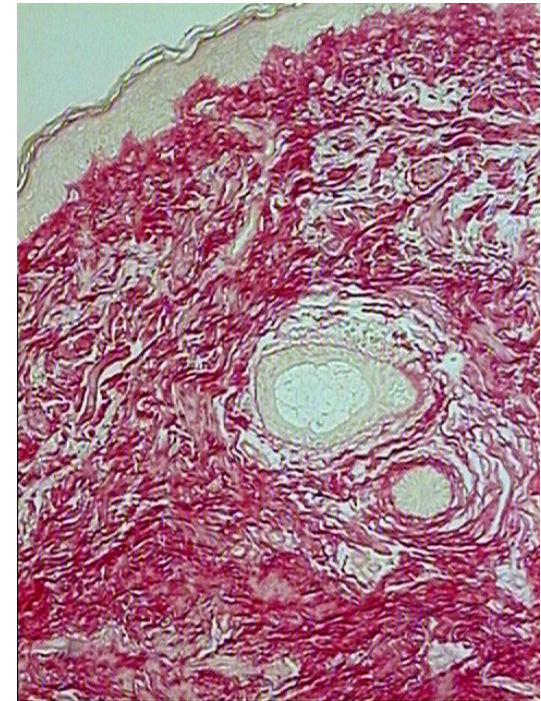


After



(Picrosirius Colorant)

After



6 months





Before



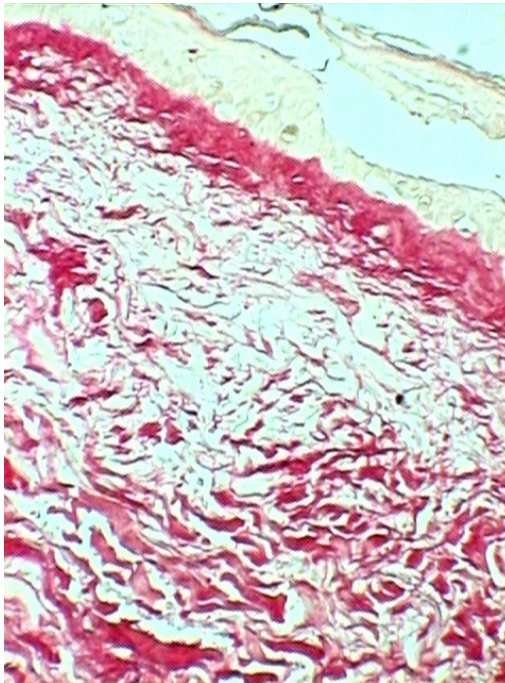
End of Treatments



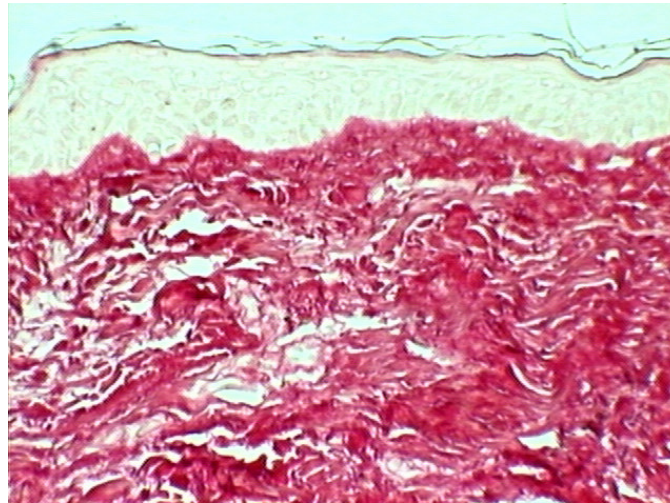
6 months post treatments

IPL – Rejuvenation Collagen (Picrosirius Colorant)

Before

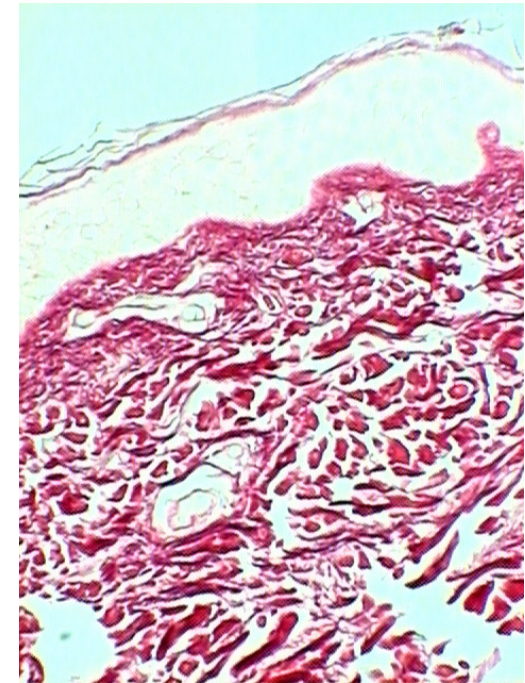


After



End of Treatments

After



6 months post Treatments



Pre Treatment



After 5 sessions



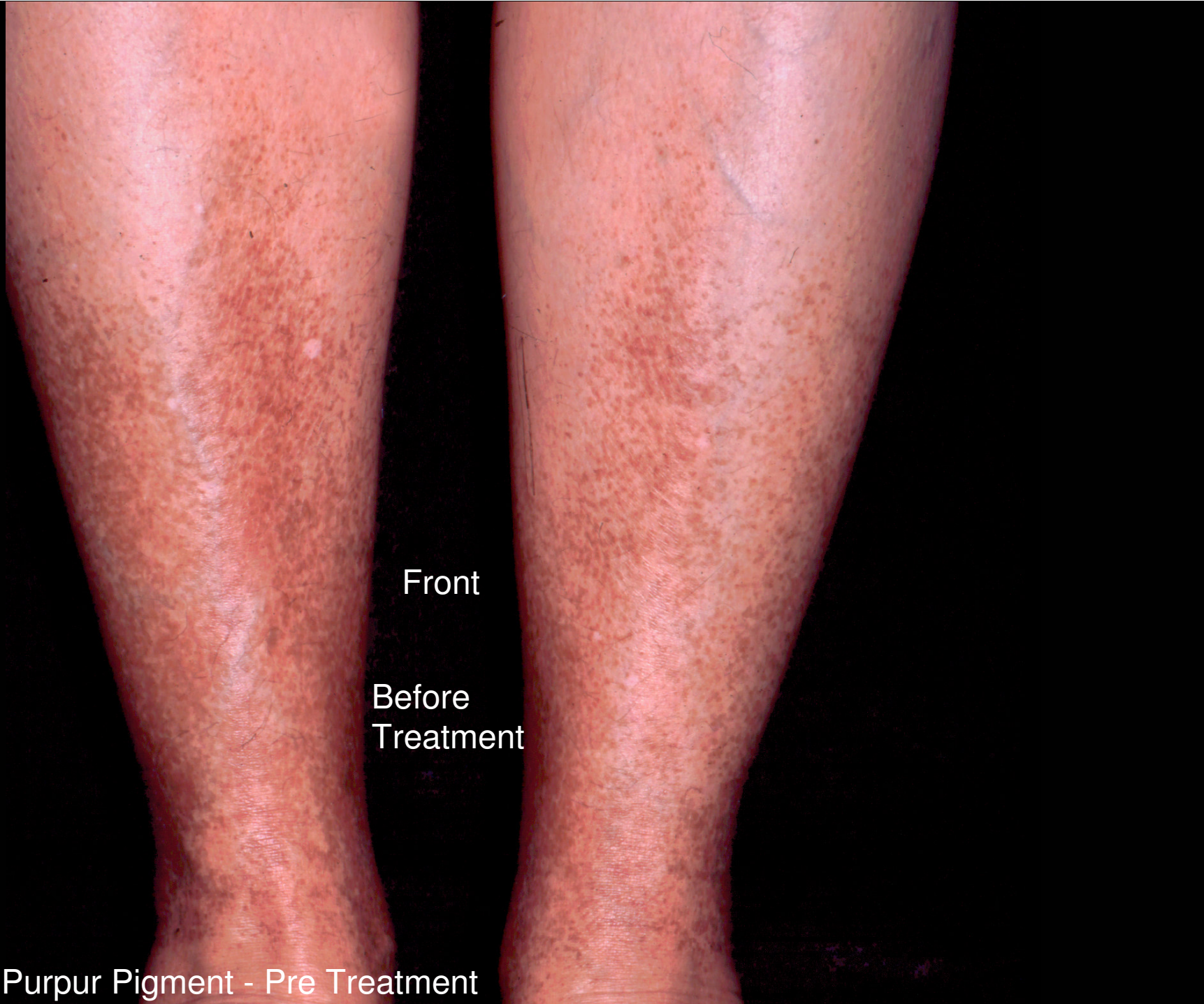
After 8 sessions

Before
Treatment



After
2 sessions

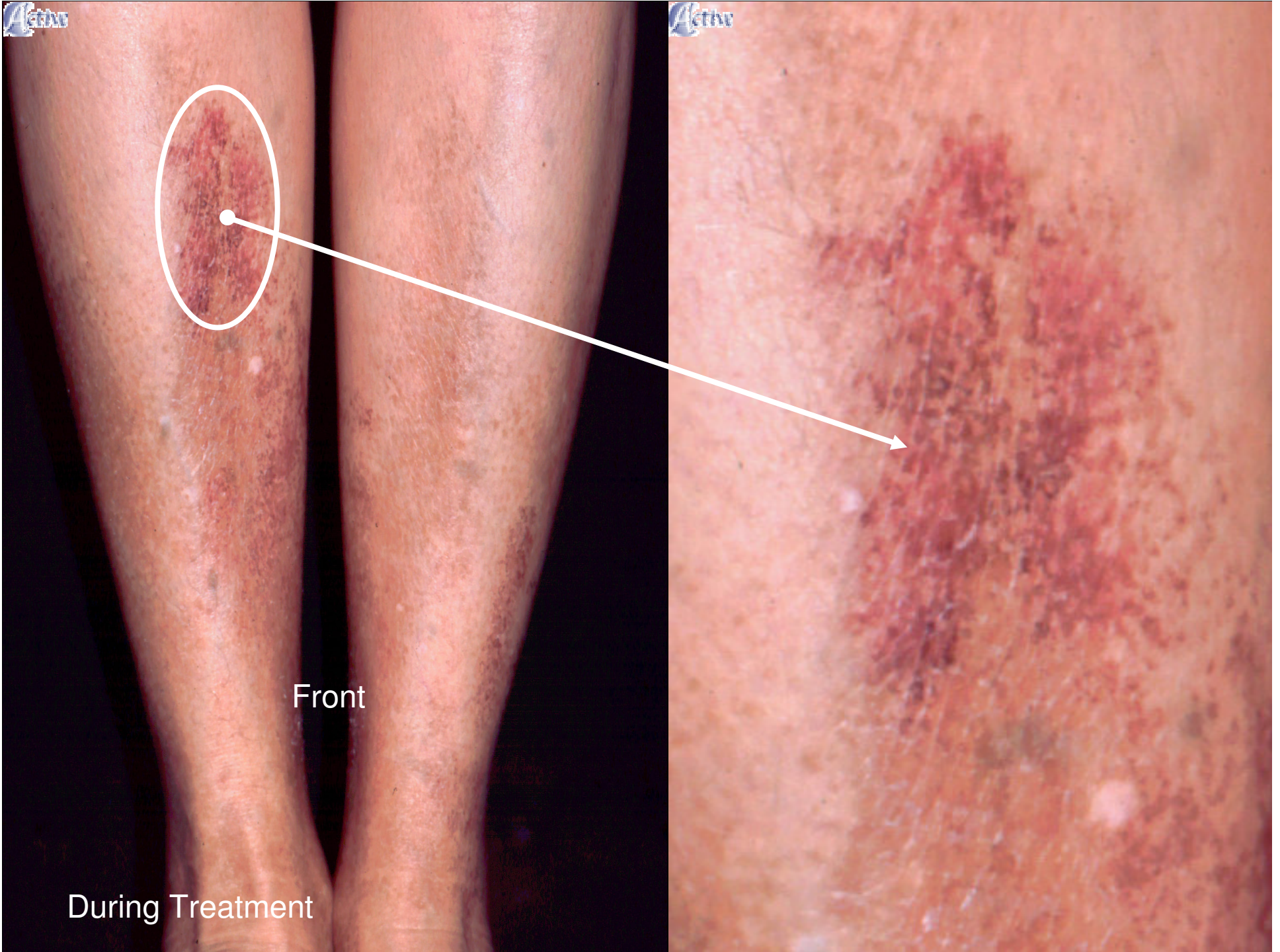




Front

Before
Treatment

Chronic Purpur Pigment - Pre Treatment



Front

During Treatment



Front

After 2 sessions



Back Side

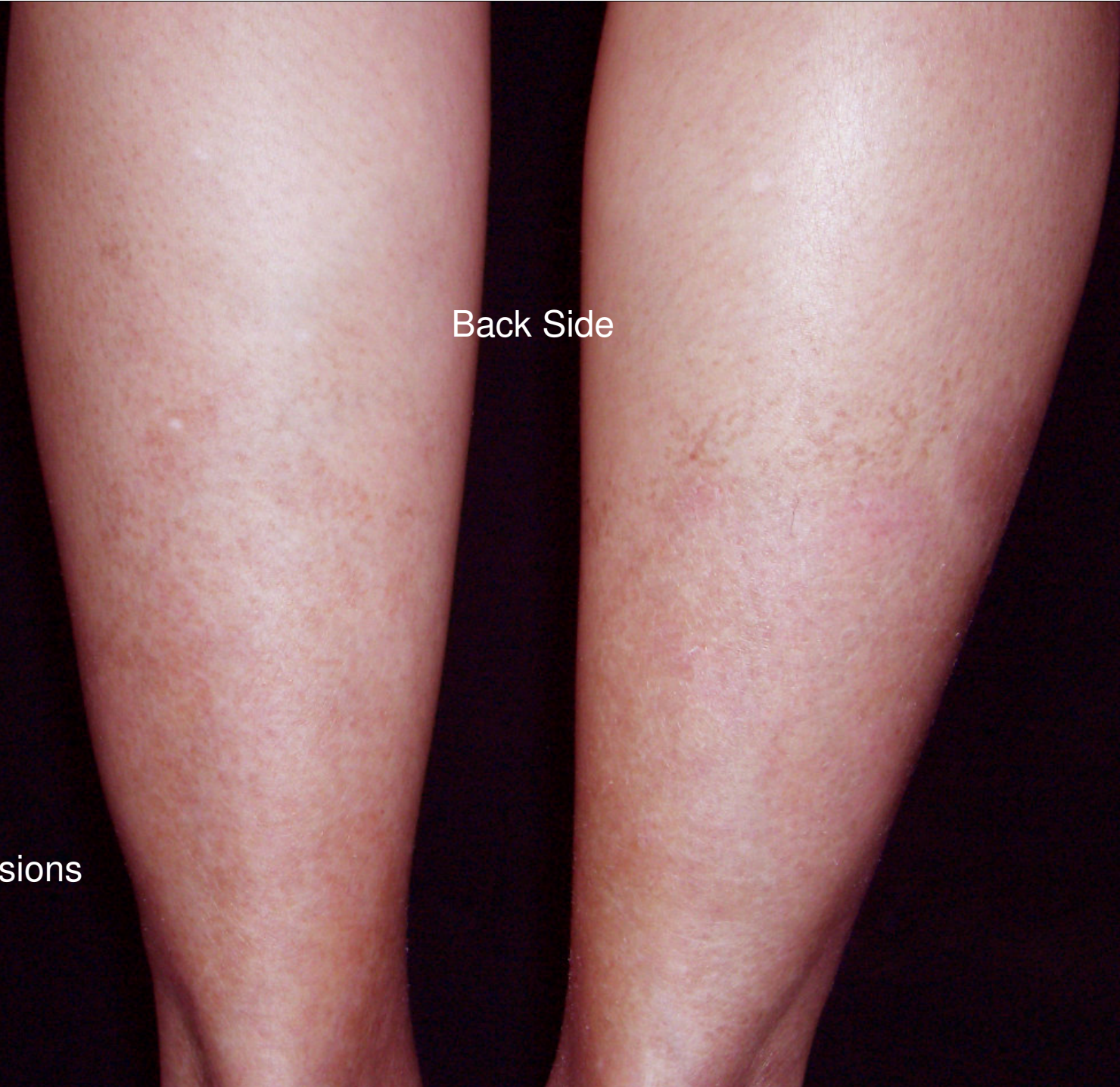
Before Treatment





Back Side

After 2 sessions



OCRONOSE



Before Treatment



After 3 sessions

NEVUS LESSION

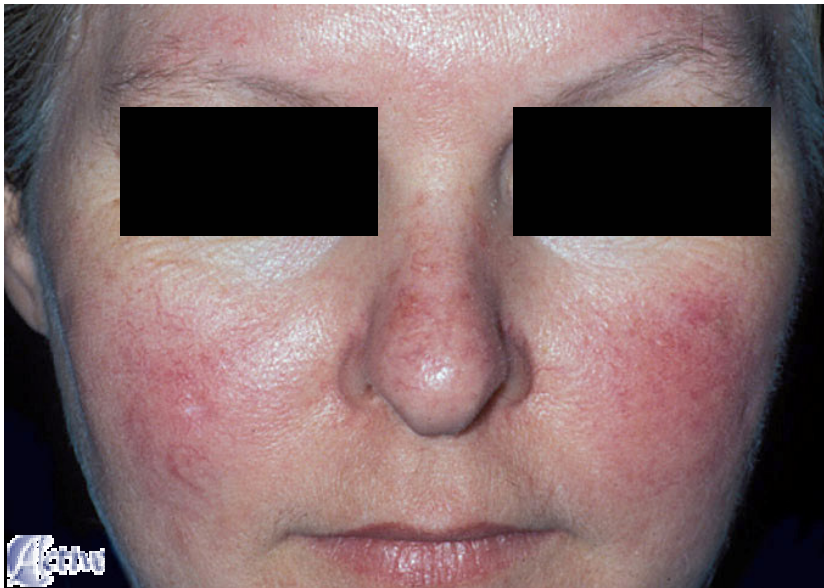


Pre Treatment

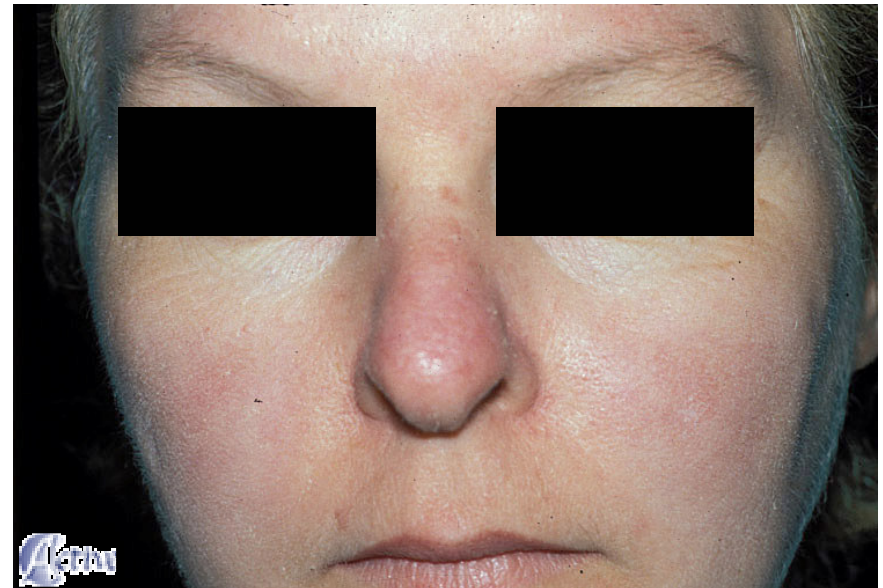


After 1 session

ROSÁCEA



Pre Treatment



3 sessions

EPIILATION



Pre Treatment



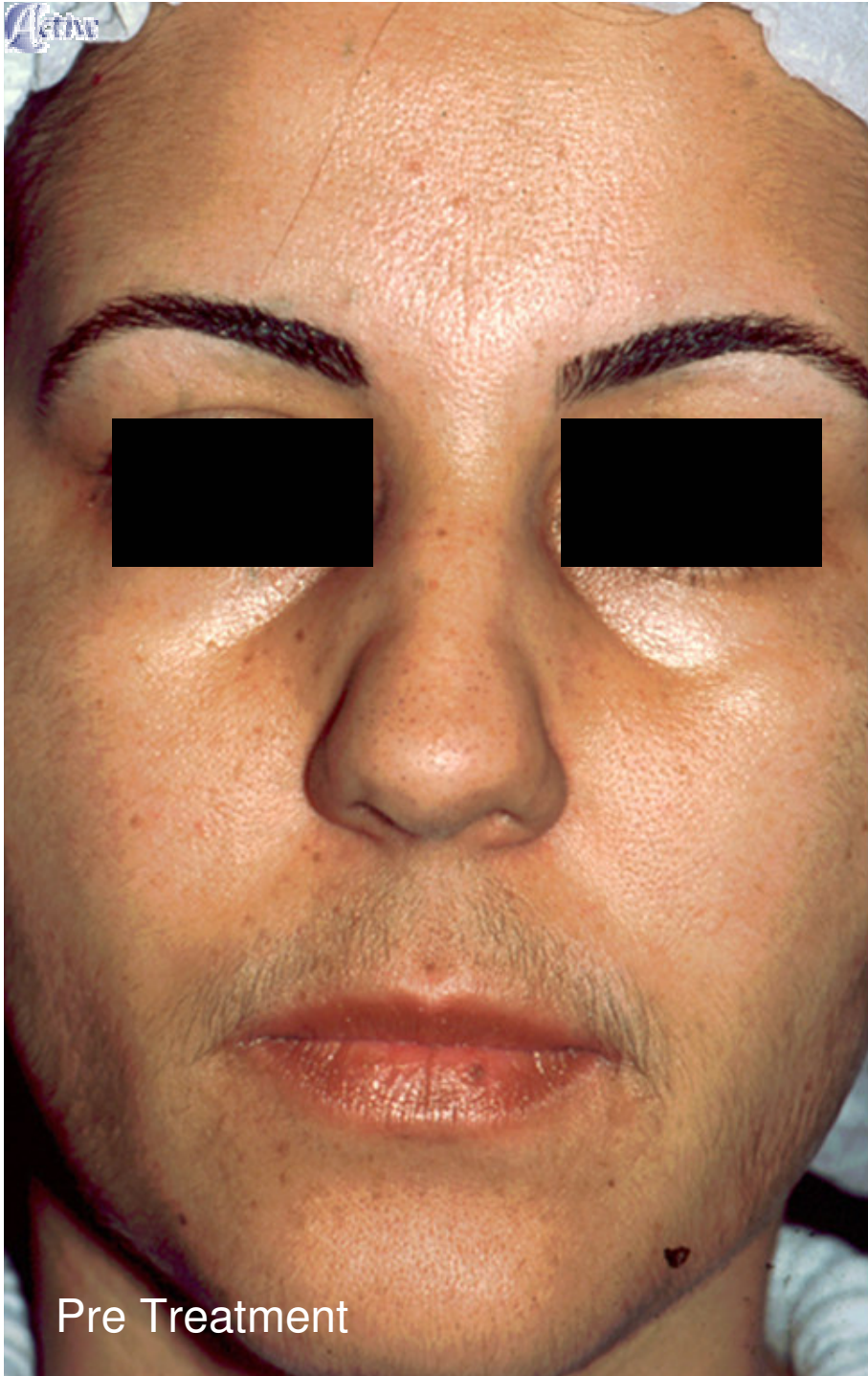
4 sessions



Pre Treatment



9 session

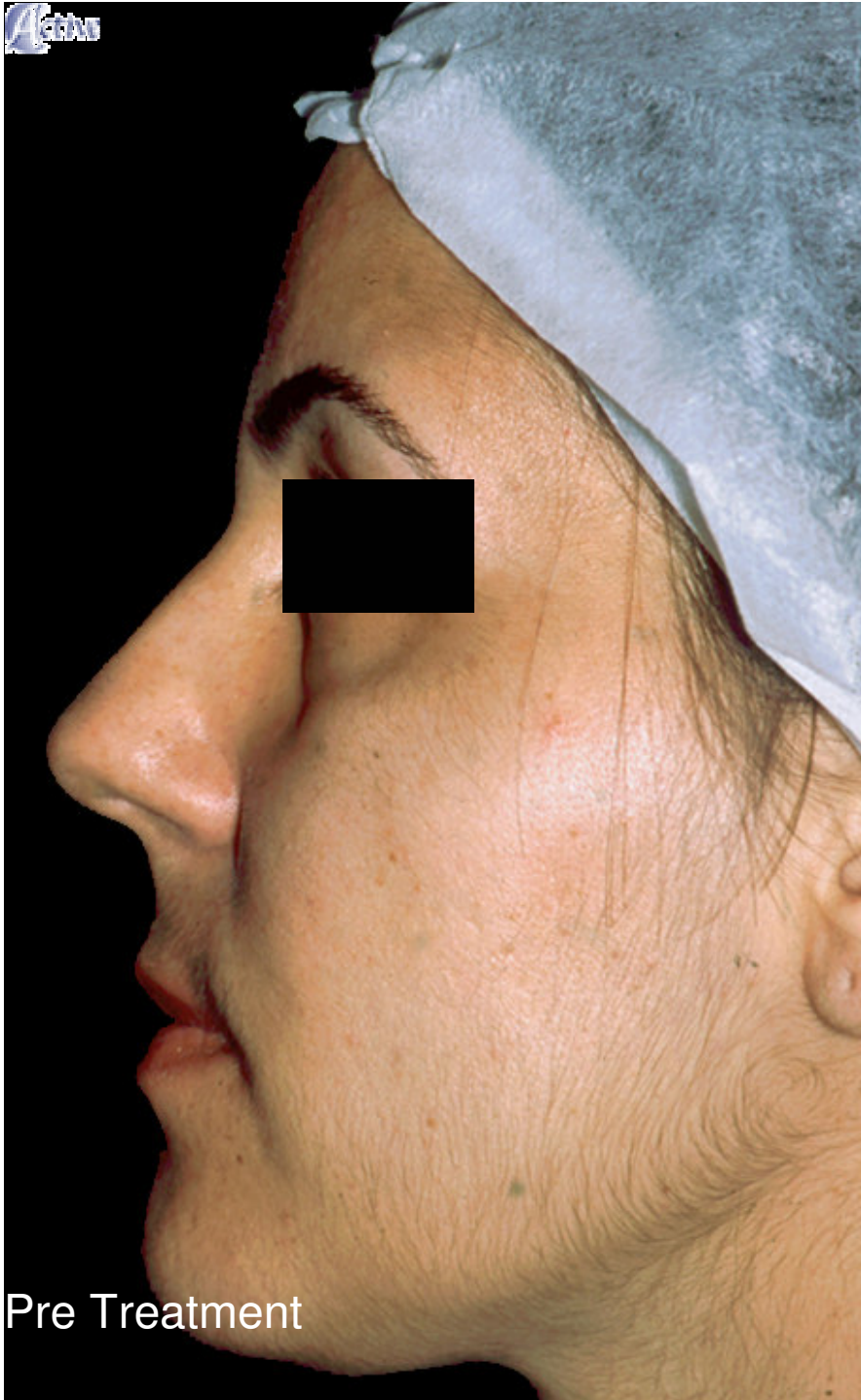


Pre Treatment

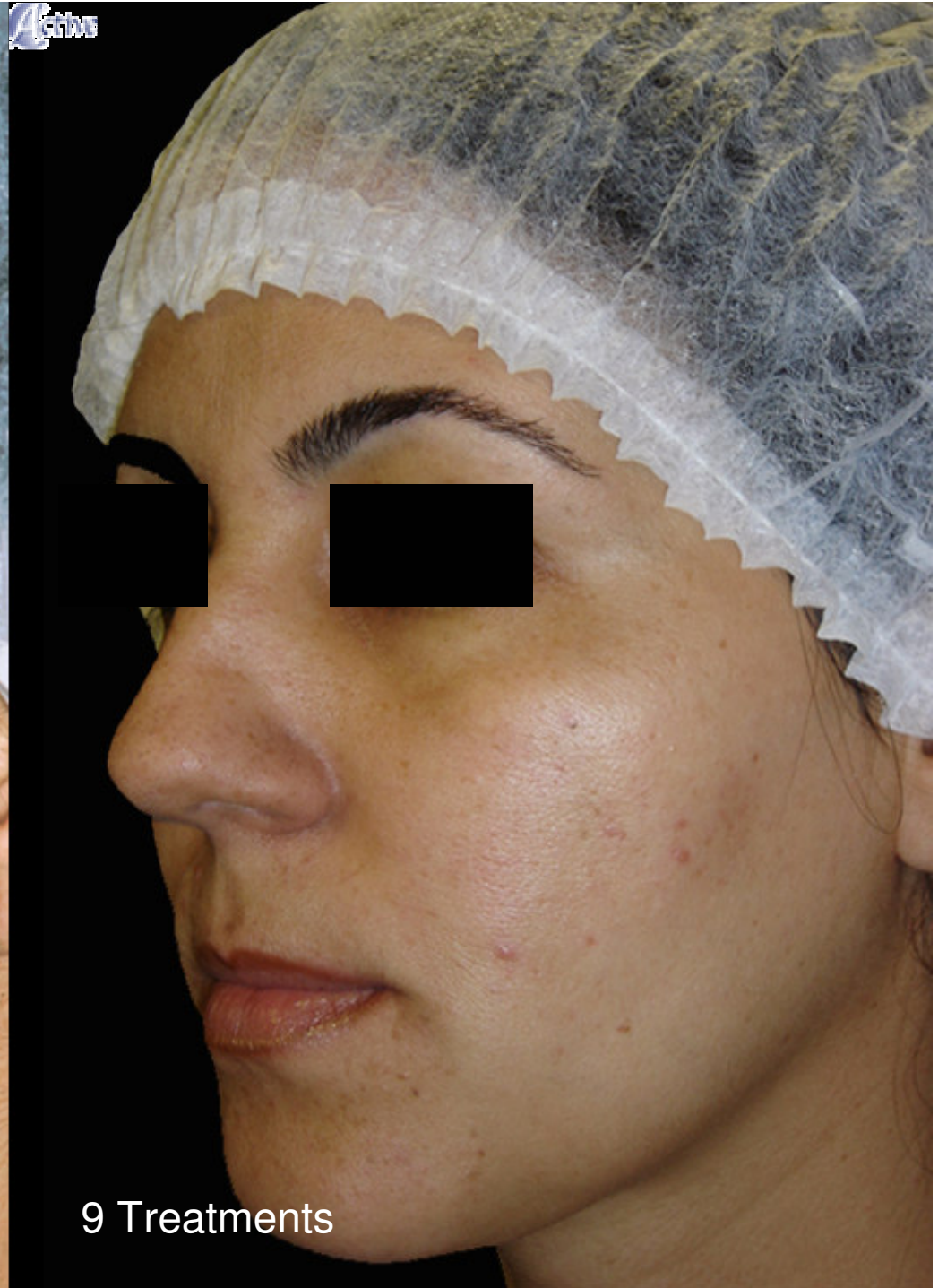


9 sessions





Pre Treatment



9 Treatments

THANKS

