



PERIORBITAL DARK CIRCLES

are defined as bilateral, round, homogeneous dark macules on the infraorbital regions.*

CAUSES

- 1. Pathological vascularization
- 2. Dermal hyperpigmentation
- 3. Special anatomy

REDERMALIZATION



SOLUTION:

REDERMALIZATION

proven improvement of the skin quality by increasing its regenerative potential

REDERMALIZATION AS A PROBLEM MECHANISM OF ACTION SOLUTION PATHOLOGICAL Mechanical activation Microvascular spasm causes hypoxia that results in lack of VASCULARIZATION of regenerative skin oxygen, water, nutrients. Consequentially, wrinkles, dry, thin function, intensification skin develop. · Static - Excessive or Weak microcirculation within vessels means that blood enters and restoration of the tissue, but tends to pool there. With blood vessels flooded, superficial subcutaneous microcirculation vasculature (A) toxins may build up. Dark circles and swelling appear thanks · Atonic -Periorbital edema to liquid accumulation under the skin. Succinic acid accelerates reparation and growth of new vessels. **DERMAL** Succinic acid (SA) SA mechanically blocks melanin production **HYPERPIGMENTATION** mechanically blocks tyrosinase enzyme that triggers melanin SPECIAL ANATOMY Skin biopsy before treatment (A), after a course of injections Dermal recovery, of a hyaluronic acid only (B) and after a course of injections of increase skin thickness, · Lack of volume and intensification XELA REDERM (combination of succinic acid and hyaluronic acid) (C). Stained with hematoxylin-eosin. UV-200 expression of tear through and restoration of · Shadows caused by microcirculation pseudoherniated orbital fat Thin skin B

REDERMALIZATION

Treatment course for skin quality improvement with XELA REDERM.



HYALURONIC ACID

is a natural material that is contained in neuronal, connective and epithelial tissues

- It helps to activate antiinflammatory mediators
- Restores and maintains water balance
- Contributes to the synthesis of basic structural proteins
 - Provides mechanical support for tissues •

Preparations based on high molecular weight hyaluronic acid are used for the Redermalization procedure. Due to its properties, it provides a much longer lasting effect on improving skin quality



SUCCINIC ACID

(succinate) is a natural component, which is found in all cells in the body

- Contributes to the normalization of microcirculation and activation of lymphatic drainage
- Regulates cellular energy exchange
- Has antioxidant properties
- Prevents damage of the cell membrane
- Contributes to the stimulation of the synthesis of basic structural proteins

Succinic acid has been found an important component which has provided a breakthrough in improving skin



Hyperpigmentation



Hyperpigmentation, Excessive vascularization, wrincles



Edema, periorbital pseudohernia



Product: XELA REDERM 1.1% 1-2 ml. Intradermal injections with the papular technique. Diameter of the papula = 1-2 mm, the distance between papules 2-3 mm. Amount of product 1-2 ml.

The course: 3 procedures with the interval 2 weeks









Polina, 28 years oldIndications: dark circles under the eyes
Procedure & products used: Three treatments with XELA REDERM 1.1%, 1 ml
Redermalization 10 days apart