



#redermalization
procedure for natural skin rejuvenation

Improve
the quality
of your skin!



XELA REDERM PRODUCT LINE:

1.1% sodium hyaluronate, 1.6% sodium succinate, 1 ml

1.1% sodium hyaluronate, 1.6% sodium succinate, 2 ml

1.8% sodium hyaluronate, 1.6% sodium succinate, 1 ml

1.8% sodium hyaluronate, 1.6% sodium succinate, 2 ml

2.2% sodium hyaluronate, 1.6% sodium succinate, 1 ml

2.2% sodium hyaluronate, 1.6% sodium succinate, 2 ml

XELA REDERM INGREDIENTS:

- water for injections
- sodium hyaluronate
- succinic acid
- sodium succinate
- sodium chloride.

REDERMALIZATION INDICATIONS

CORRECTION AND PREVENTION OF SKIN QUALITY VIOLATION CAUSED BY:

1. Aging
2. Pathologic environment factors (UV, air pollution, smoking etc.)
3. Skin side effects of some aesthetic procedures (scars, dyschromia, laxity).

REDERMALIZATION MECHANISM OF ACTION:

REDERMALIZATION EFFECTS 3 MAIN MECHANISMS OF SKIN QUALITY VIOLATION:

1. Dehydration
2. Pathologic action of free radicals
3. Violation of skin cells metabolism

REDERMALIZATION METHODS OF PERFORMANCE:

Point by point technique	Linear retrograde technique
Vector technique	Cannula technique

LEVELS OF REDERMALIZATION:

Level 1	Basic Redermalization
Level 2	Body zones Redermalization
Level 3	Redermalization based on ageing types

RESULTS OF REDERMALIZATION – NATURAL REJUVENATION

- Young healthy skin
- Skin lightening
- Lifting effect
- Improvement of skin elasticity
- Hydrated skin
- Decreases depth and length of wrinkles
- Improved skin surface and texture



before



after



before



after



before



after

REDERMALIZATION

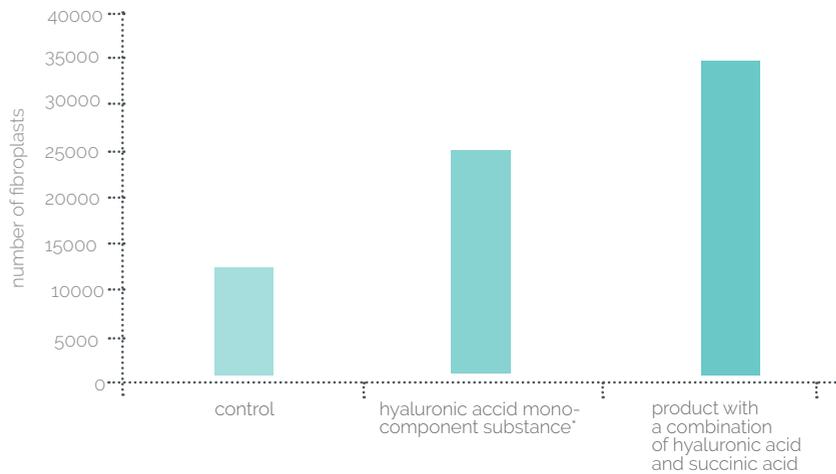
FROM THE EVIDENCE-BASED MEDICINE POINT OF VIEW

Results of the research of human skin fibroblasts physiological renovation speed stimulation with the help of a product with a combination of succinate with hyaluronic acid compared to monocomponent substance of hyaluronic acid*

The present research was devoted to proliferation and metabolism activities of fibroblasts that fulfill the main function of synthesis and renovation of intercellular substance.



MORPHOLOGICAL RESEARCH OF THE PROLIFERATION ACTIVITIES OF FIBROBLASTS

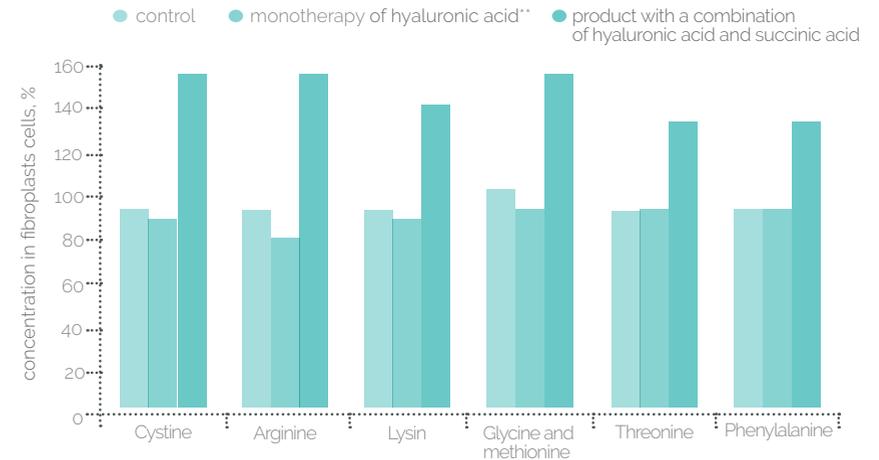


Affects of using the product with a combination of succinate with hyaluronic acid and monocomponent substance of hyaluronic acid on proliferation of human fibroblasts

(Counting is made on the third day from incubation)

* $p < 0.05$ compared to control

BIOCHEMICAL RESEARCH OF METABOLISM ACTIVITY OF FIBROBLASTS



Affects of using the product with a combination of succinate with hyaluronic acid and monocomponent substance of hyaluronic acid on free amino acids concentration synthesis.

* $p < 0.05$ compared to control

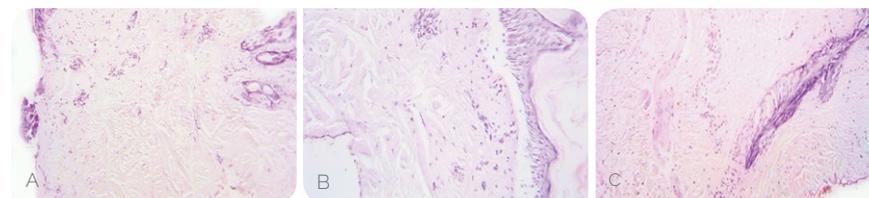
*Connected to the question of exogenous regulation of human skin physiological renovation. V.A. Berezovskiy, O.V.Bohomolets, N.N.Derkatch, I.G. Litovka, S.P. Veselskiy, L.L.Lukash, T.A.Ruban, R.V.Yanko – the Ukrainian magazine of dermatology, venerology and cosmetology, #3-2011

✓ RESULTS

Combination of succinic acid and hyaluronic acid promotes a more expressed increase in fibroblasts number, synthesis of collagen and basic substance of connective tissue extra-cellular matrix amino acids compared to monocomponent substance of hyaluronic acid.

Results of the clinical-morphological research of affect caused on human skin by combination of succinate with hyaluronic acid in a product copared to monocomponent substance of hyaluronic acid*

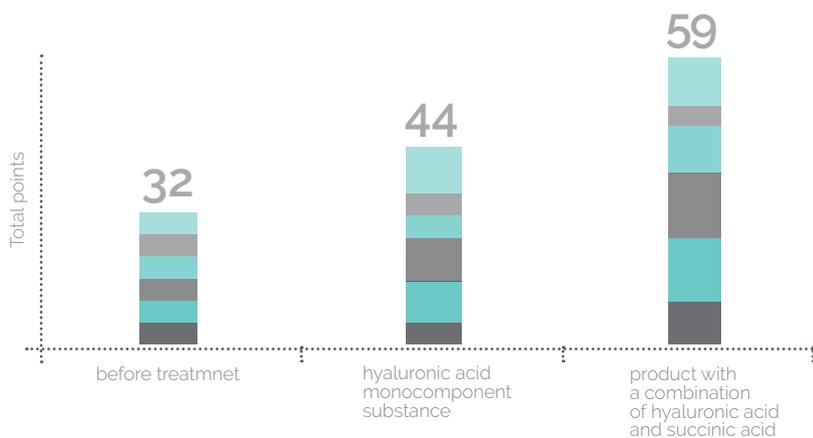
Methods of research: analysis of bioptats, taken from the female patients aged between 28 and 50, of the original condition of skin (without affect of any substance), bioptats after a course of a product with a combination of succinate with hyaluronic acid and monocomponent substance of hyaluronic acid. Both substances were injected, using papular technique. The frequency of the injections was once every 2 weeks, 5 injections (treatments) in general.



Product with a combination of succinate with hyaluronic acid promotes a considerable increase in the general derma structuredness – as a result of both moderate or significant growth and spatial organization of collagen fibers, partly their functional hypertrophy, and moderate proliferation of elastic fibers in derma. After a course of injections of the substance, derma nearly does not contain loose areas or areas of necrobiosis. Moreover, the research showed moderate angiogenesis processes – new capillary appeared in derma.

RESULTS OF THE TOTAL DERMA EVALUATION ACCORDING TO THE HISTOLOGICAL CHANGES

- Condition of the main substance (comparative features)**
- Condition and comparative quantity of collagen fibers
- Condition and significance of capillary vessels
- Structuredness of the deep layer of derma
- Condition evaluated on the basis of the quantity of elastic fibers
- Structuredness of the outer and deep layers of derma



Skin bioptats before treatment (A), after course of injections with monocomponent substance of hyaluronic acid (B) and after a course of injections with a product combining succinate and hyaluronic acid (C). Staining with hematoxilin eosin. Magnification 200.

✓ RESULTS

The histological analysis of skin bioptats confirms a much more significant affect of of the product twith a combination of succinic acid and hyaluronic acid on the derma structure and the capillary network of skin.

Injections with combination of succinate and hyaluronic acid prodive injections provide a more expressed improvement in the skin appearance due to increase in skin tightness and elasticity and removal of the problems of dry and flaky skin, and improvement in complexion.



* Comparative clinical-morphological research of the affects made on skin by hyaluronic acid containing substances. Liskina I.V., Derkach N.N., Kuzovkova S.D. – the Ukrainian magazine of dermatology, venerology, cosmetology, #2- 2010, p.64-70

** The volume of the basic substance was evaluated according to the total number of free spaces of derma between the stained structures (fibers) of connective tissue with the same magnification.