



HYALU^{AL}

Redermalization – new era of anti-age therapy

ISO 9001:2001

Why should you choose Hyalual®?

Hyalual® is a basic product for redermalization

Hyalual® is an innovation in anti – age therapy

Hyalual® is a new generation of injectable anti – age products

Hyalual® is a unique formula combining succinate with highly purified hyaluronic acid of biotechnological origin

Hyalual® are the first in the world ready-to-use products that have effect on all the pathogenetic mechanisms of aging and provide a powerful integrated anti-age effect

Hyalual® means efficacy and safety proved in the preclinical and clinical studies

Hyalual® means high biocompatibility and hypoallergenic products

Hyalual® are the products produced according to the European quality standards (ISO 9001:2001, GMP)

Hyalual® are the products provided by the recognized Leader at the market of infusion products

Is it possible to control the aging processes?

There are 3 basic pathogenetic mechanisms of skin aging:

- 1 ***Inhibition of metabolic processes in the skin*** – cellular respiration, ion transport, inhibition of energy production and synthesis of proteins (collagen and elastin), as well as impaired microcirculation;
- 2 ***The accumulation of free radicals*** – uncontrolled synthesis of free radicals, the inefficiency of antioxidant systems, lipid peroxidation and destruction of the cell genome lead to the premature cell death, on the one hand, and the formation of the abnormal cells, on the other hand. Effects of free radicals can cause skin neoplasms and photoaging with all of its manifestations;
- 3 ***Impairment of the optimal water balance in the skin*** as a result of reduction in amount of hyaluronic acid in the dermis and reduced ability of the skin to retain water.

Taking into account the wide range of damaging factors and the mechanisms of skin aging, it is clear that the combined effect on the skin is required to reach the marked anti-age effect.

Fibroblasts are the main skin cells. They synthesize two main skin proteins: collagen and elastin, as well as hyaluronic acid. It is the functional activity of fibroblasts that determines the structure of the dermis and functionality of the skin. Decreased activity of fibroblasts and impairment of the metabolic processes lead to the appearance of first signs of aging and aging in general.

Monocomponent products of hyaluronic acid affect only one link in the pathogenesis of aging – namely, the impairment of the water balance, which is not sufficient to reach the expressed anti-age effect.

To solve these problems, *scientists have developed a unique Hyalual® formula (the combination of succinate with hyaluronic acid).*

It is proved that a new generation of Hyalual® products, due to the breakthrough development of scientists, provide redermalization and have an impact on all the mechanisms of skin aging.

Hyalual® products work not only at the tissue level but at the cellular and intracellular levels as well.

Redermalization

Redermalization is an innovative injection method of skin rejuvenation/revitalization through its regeneration.

Translated from the Latin, prefix «**Re**» means «restoration, regeneration», and «**derma**» means the basic layer of the skin, which is responsible for its youth.

It was scientifically proven that:

Redermalization is a combination of complex interrelated biochemical, metabolic and histological skin regeneration processes, aimed at its rejuvenation.

The redermalization process is carried out, using intradermal Hyalual® injections.

Composition of the product	Combined product: Succinate + hyaluronic acid
Mechanism of action	Effect on all the links in the pathogenesis of aging: <ul style="list-style-type: none">● Activation and recovery of metabolic processes● Powerful antioxidant effect● Restoration of water balance
Point of application	<ul style="list-style-type: none">● Fibroblasts are the main skin cells● The amorphous substance of the dermis
Stimulation of fibroblasts	It is carried out in two ways: <ul style="list-style-type: none">● The direct effect on mitochondria of fibroblasts due to succinate● Indirect effects on fibroblast by needle puncture
Efficacy	The morphophysiological studies have shown the following: The activation of fibroblasts (a direct effect on mitochondria) is more active and 3-fold higher than with the usage of mono-component hyaluronic acid products
Effect	<ul style="list-style-type: none">● Restoration of the cells (fibroblasts) and prevention of their death● Restoration the extracellular matrix of the dermis
Result	Skin rejuvenation through its regeneration

Hyalual®

is a new generation
of injectable products
for anti-age therapy

Hyalual®, the product of a new generation, is a unique formula, combining succinate with hyaluronic acid, thus, affecting all the links in the pathogenesis of skin aging and reaching a powerful integrated anti-age effect:

- **succinate, through its direct and active influence on mitochondria of fibroblasts**, provides a powerful restorative effect by activation of metabolic processes in the skin: it improves the cellular and tissue respiration, ion transport, protein synthesis (collagen and elastin). Succinate actively stimulates the production of energy (ATP), enhances the microcirculation and has a powerful antioxidant action, actively blocking free radicals and preventing lipid peroxidation and destruction of the cell genome.
- **hyaluronic acid** eliminates dehydration of the skin, moisturizes it, compensating for hyaluronic acid deficit in tissues.



As a result of such combined effects on the skin, highly effective and scientifically proven approach to skin rejuvenation is implemented, through its regeneration, slowing the aging processes and their timely prevention - through maximum activation of metabolic processes, antioxidant effects and skin moisturizing.

The result of such exposure is the restoration of skin tone (its elasticity, turgor and hydration), improvement of its texture and color, as well as expressed lifting effect.

THE RESULT:

- young healthy skin
- improvement of skin color
- improved skin texture and relief
- skin lifting
- reduction of the depth and size of wrinkles
- elimination of pigmentation
- prevention of neoplasms

Line of Hyalual® products for redermalization

Specially designed for face and body to solve various skin problems:

	HYALUAL® 1,1% (1-2ml)	HYALUAL® 1,8% (1-2ml)	HYALUAL® 2,2% (1-2ml)
Composition	The unique formula, combining succinate with hyaluronic acid		
The concentration of succinate	1,6% (16 mg/ml)		
The concentration of hyaluronic acid	11 mg/ml	18 mg/ml	22 mg/ml
Complete set	<ul style="list-style-type: none"> Fully ready to use pre-filled Luer-Lock glass syringe 2 needles 30G 13mm 2 stickers Prescribing information 		
Indications for redermalization:	<p>Correction (any age):</p> <ul style="list-style-type: none"> first signs of aging hyperpigmentation post-acne states <p>Preparation and rehabilitation for/after:</p> <ul style="list-style-type: none"> plastic surgery chemical peelings laser resurfacing phototherapy <p>Dry thin skin, areas with thin skin</p> <p>Oily and combination skin</p>	<p>Correction of:</p> <ul style="list-style-type: none"> expressed age-related changes (atony, atrophy, gravitational ptosis) Wrinkles (facial and gravitational) of various depth <p>Preparing for contour plastic</p> <p>Dry skin</p> <p>Age – from 35 years</p>	<p>Work on the face:</p> <ul style="list-style-type: none"> age – from 35 years in case of strongly expressed age-related changes correction of deep wrinkles, reinforcement – starting from 45 years) restoration of perioral area and lips (any age) <p>Work on the body (any age)</p>
Techniques of injecting	Only papular	Papular, linear	Linear – on the face. Papular – on the body

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For highly professional approach
to the development of Hyalual®,
the first Ukrainian product for
injectable cosmetology and its
introduction at the market