Company

MALAYSIA DISTRIBUTOR

JLC ASIA

SWITZERLAND PRINCIPAL

HYALUAL

- Quality is confirmed by **CE mark**
- Manufacturing according to **GMP** (**Good Manufacturing Practice**)
- HA-Purification technology (**Hyalual Purification Technology**)
- Double Synergic Effect technology (**the synergic result of two components HA and succinic acid**)
- **Monodispersity** of HA molecules (2.5 million Da)
- Enhanced buffer protection of the redermalizing product

ELECTRI

Electri is a synergy of **succinic acid and high molecular weight hyaluronic acid** in the physiological concentration, which restores the energy exchange and metabolic functions at the cellular level, and **helps the skin regain its youthful look and healthiness.**

Composition of the product;

- Sodium succinate 1.6%
- HMW hyaluronic acid 0.55%
- Package: 1 syringe 1.5ml
- Set of needles: 30G, 8mm

Succinic acid

- Normalization of energy metabolism
- Antihypoxic effect
- Antioxidant effect
- Cytoprotective effect
- Activation of cell proliferation
- Synthesis of structural proteins
- Anti-inflammatory action
- Improvement of microcirculation

DOUBLE SYNERGIC EFFECT

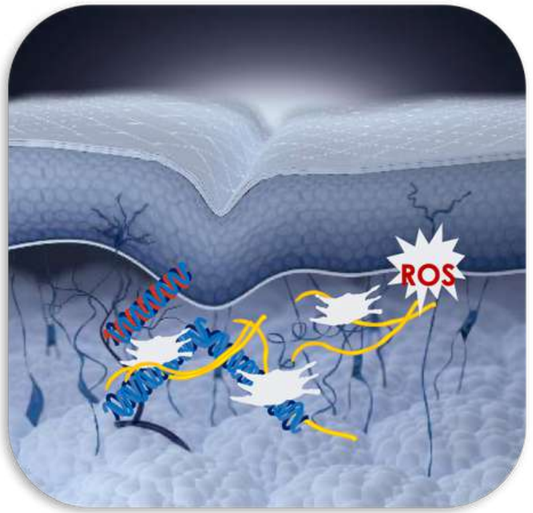
PATENTED PATENTED PATENTED

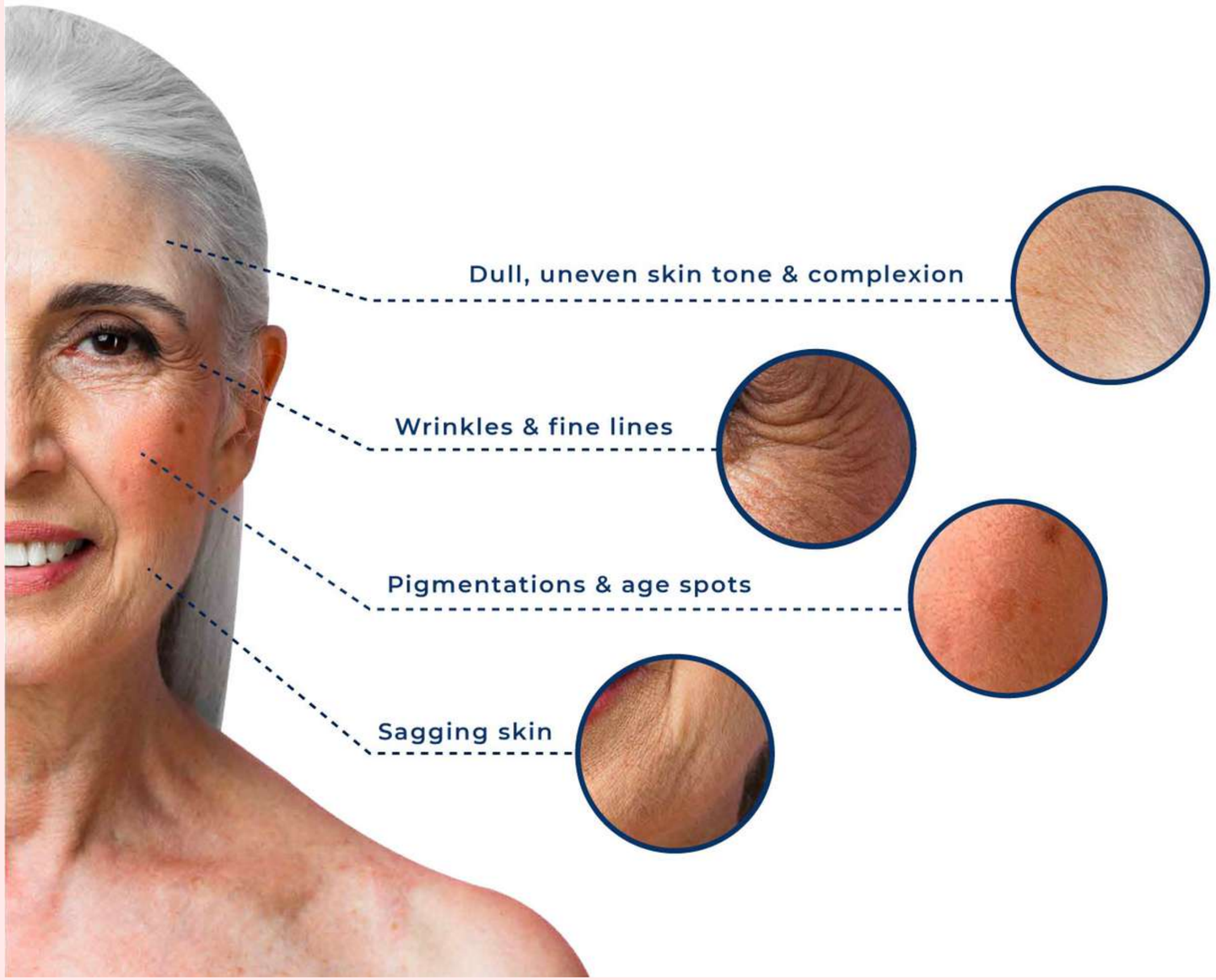
Hyaluronic acid

- Restoration and maintenance of water balance
- Mechanical support of tissues
- Anti-inflammatory effect
- Antioxidant effect
- Regenerative effect

Pathological Process

- Aggression of free radicals
- Activity of inflammatory cytokines
- Decreased microcirculation, trophism
- Hypoxic changes
- Energy starvation
- Decrease in biosynthetic activity




Dull, uneven skin tone & complexion
Wrinkles & fine lines
Pigmentations & age spots
Sagging skin

we focus

Yay !

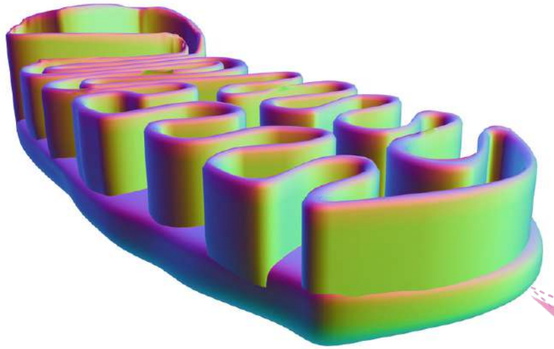
&

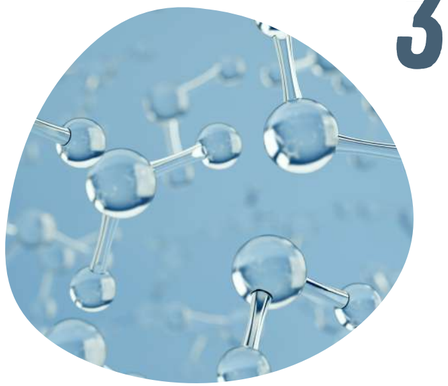
Nay!

HUMAN SKIN CELL

2

Mitochondria “powerhouse” typically range from 0.5 to 10 micrometers





3

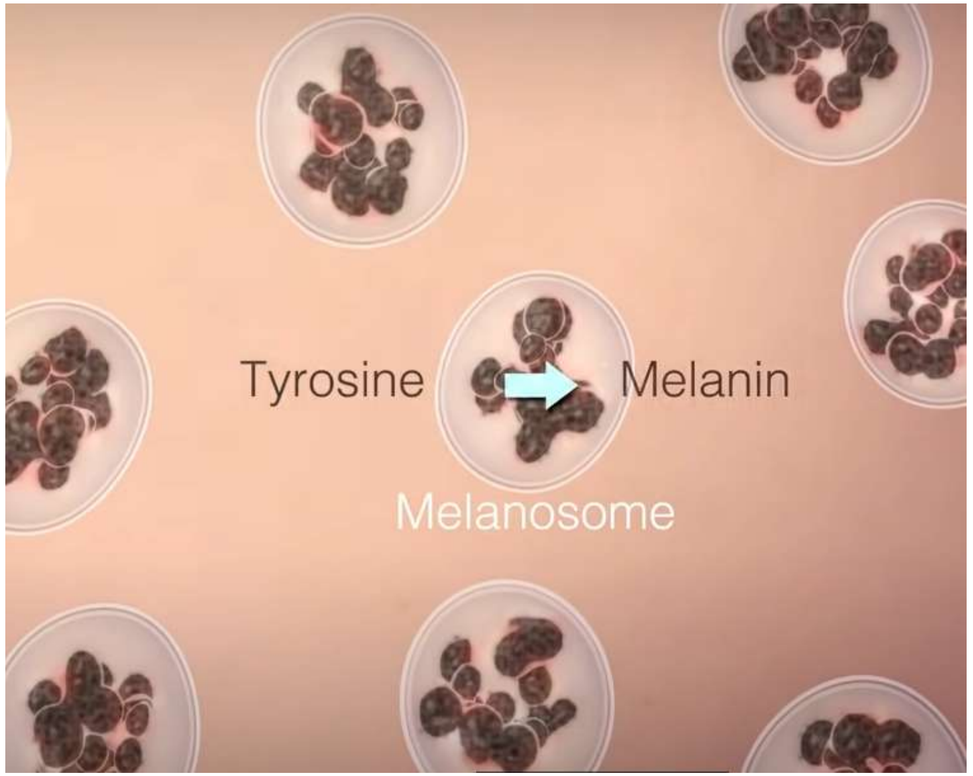
small organic molecule. In its pure form, succinic acid typically consists of small crystals or a fine powder

1

30 to 40 micrometers in diameter

MELANIN PRODUCTION

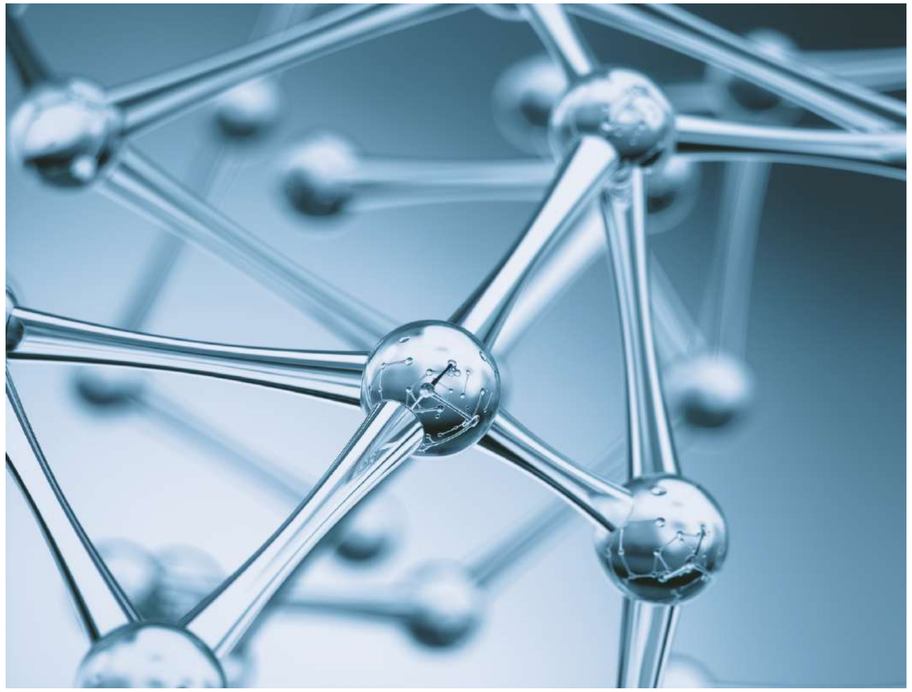
Melanin is the pigment responsible for the color of the skin, hair, and eyes. **Tyrosinase is a key enzyme involved in the synthesis of melanin.**

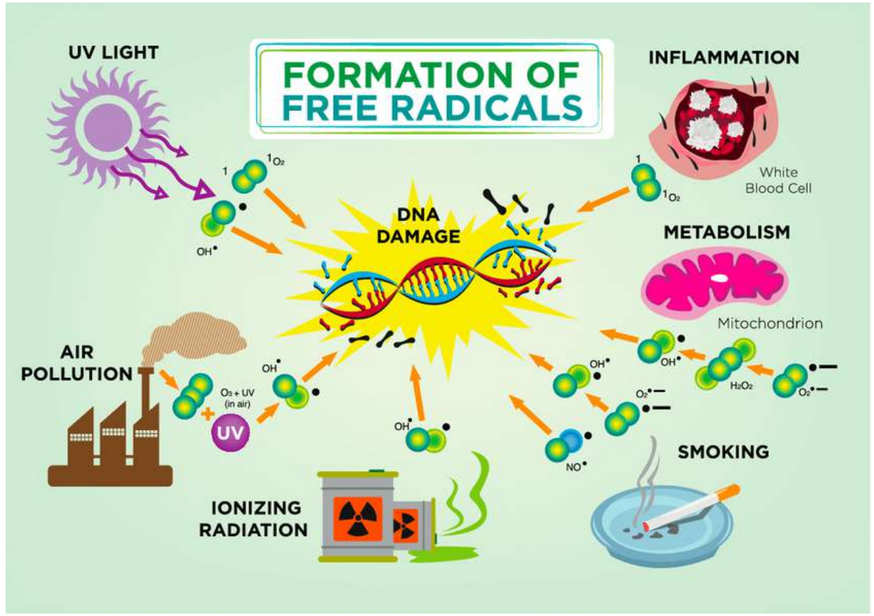


SUCCINIC ACID

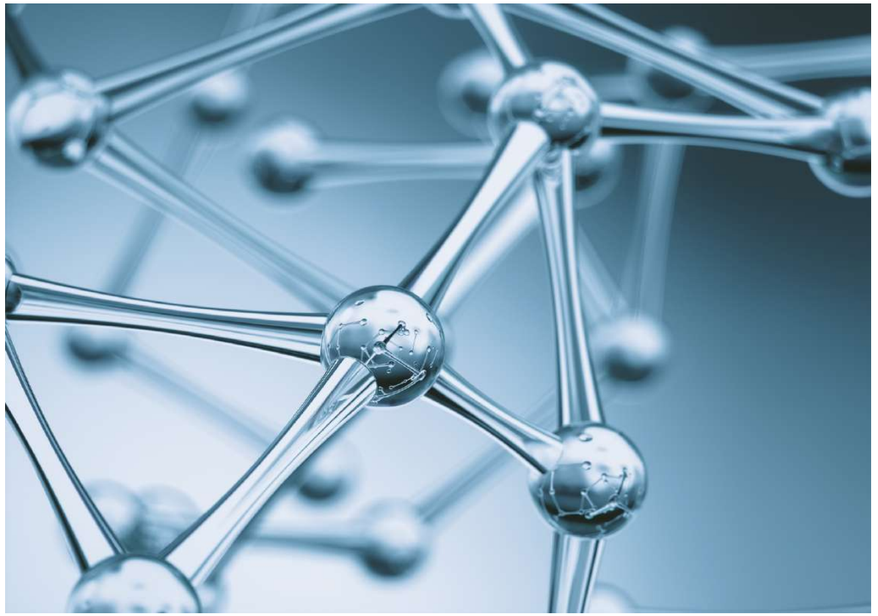
Succinic acid can **slow down the enzyme (tyrosinase) responsible for making melanin.** By doing this, it helps control the amount of melanin produced, **preventing excessive darkening of the skin.**

Succinic acid may **influence melanin production by interacting with copper ions.** It has been suggested that succinic acid may **chelate or bind to copper ions, potentially reducing their availability for tyrosinase activity.** This interference with copper ions could contribute to the inhibitory effect of succinic acid on melanin synthesis.





OXIDATIVE STRESS CAN STIMULATE MELANIN PRODUCTION



BY **MITIGATING OXIDATIVE STRESS**, SUCCINIC ACID INDIRECTLY CONTRIBUTES TO **REGULATING MELANIN SYNTHESIS**.

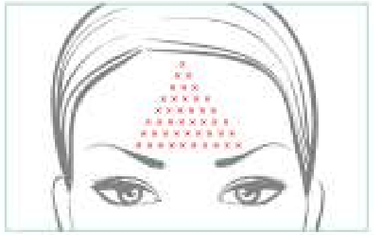
ELECTRI BASED ON SA AND HA <u>INHIBITS MELANOGENESIS</u>

SUCCINIC ACID is a dicarboxylic acid with metal chelating potential and a particular affinity to copper. Copper is present in the active site of **tyrosinase** and has a vital role in the activity of this enzyme.
The chelation of the copper in the tyrosinase results in blocking its enzymatic activity and complete enzyme function loss.

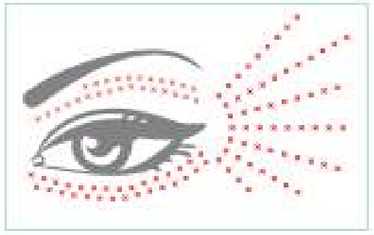
Tyrosinase is an enzyme containing copper that catalyzes the production of melanin from tyrosine through oxidation (oxidase).

1.Panich U. Antioxidant Defense and UV-Induced Melanogenesis: Implications for Melanoma Prevention. In: Current Management of Malignant Melanoma. Chapter 12. ISBN 978-953-307-264-7. InTech, 2011
5, Hwang JS, Lee HY, Lim TY, Kim MY, Yoon TJ. Disruption of tyrosinase glycosylation by N-acetylglucosamine and its depigmenting effects in guinea pig skin and in human skin. J Dermatol Sci 2011; 63(3): 199–201

ELECTRI. PROCEDURE PROTOCOL

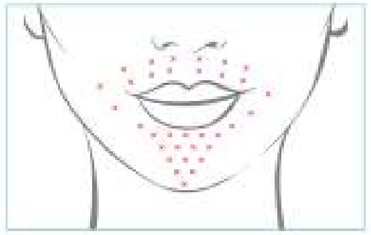


Forehead



Periorbital zone

Cheeks



Perioral zone and chin

- Papules D = 1mm, distance between rows 0.5 - 1 cm, depending on the area of the treated area
- The amount of the drug per procedure: 1.5 ml
- Intradermal injections by papular technique
- Course from 2 redermalizations with an interval of 10-14 days

COMBINATION ELECTRI WITH LASER CO2

1 Pre-preparation of the skin before laser resurfacing

✔ Hydration (water is a chromophore; hydration increases the effectiveness of the procedure). Normalization of melanogenesis.

Redermalization

10-day interval

Redermalization

10-day interval

10-day interval

Redermalization

2 ЭТА
П

✔ **Shortening the rehabilitation period**

Reduced risk of hyperpigmentation

CLINICAL CASE. URBANIC AGING OF THE SKIN, FOTODAMAGE

Design

Patient, 43 y/o

Product **ELECTRI**

Indication Heterogeneous skin tone, pigment spots, thinning of the skin, reduced turgor

Protocol **ELECTRI, 3** sessions with a 3 weeks interval.

Electri: 5,5 mg/ml hyaluronic acid + 16 mg/ml Succinate)

Unretouched photos were taken before treatment and 14 days after

Before course

After 2 weeks of course

CLINICAL CASE. URBANIC AGING OF THE SKIN, FOTODAMAGE

Design Patient, 42 y/o

Product **ELECTRI**

Indication Heterogeneous skin tone, pigment spots, thinning of the skin, reduced turgor

Protocol **ELECTRI, 4** sessions with a 3 weeks interval.

Electri: 5,5 mg/ml hyaluronic acid + 16 mg/ml Succinate)

Unretouched photos were taken before treatment and 14 days after

Before course

After 2 weeks of course

Before

After

Before

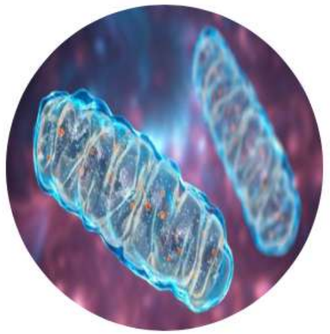
After

SUCCINIC ACID NORMALIZES MICROCIRCULATION

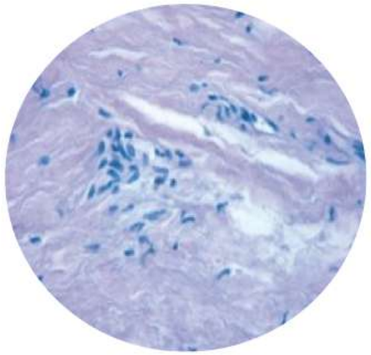
- ACTIVATION OF THE REPAIR OF THE VASCULAR WALL
- LEVELING THE INFLUENCE OF VASODILATORS
- NORMALIZATION OF VASCULAR TONE
- CYTOPROTECTIVE EFFECT ON ENDOTHELIOCYTES
- INCREASED PRODUCTION AND RELEASE OF VASCULAR ENDOTHELIAL GROWTH FACTOR (VEGF), ANGIOPOIETIN-1 AND 2, ANGIOGENIC ANTI-INFLAMMATORY MEDIATORS (IL-1 AND IL-6)
- STIMULATION OF LYMPH FLOW THROUGH GPR 91 RECEPTORS

MAIN SYNERGISTIC EFFECTS OF THE COMBINATION OF HYALURONIC ACID AND SODIUM SUCCINATE

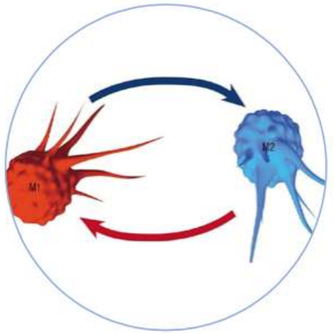
ENERGY RECOVERY



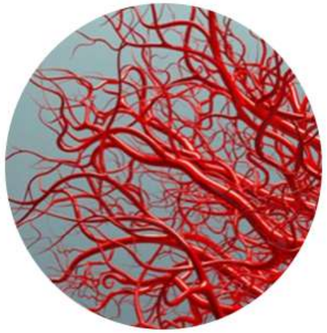
REGENERATIVE ACTION



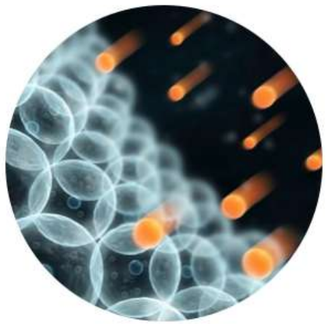
ANTI-INFLAMMATORY EFFECT



ANGIOGENIC ACTION & ↑ MICROCIRCULATION



ANTIOXIDANT EFFECT



ADVANTAGES

- EFFECTIVENESS

The unique formulation combining high molecular weight hyaluronic acid in a physiological concentration (0.55%) with sodium succinate ensures quick absorption.

- SAFETY

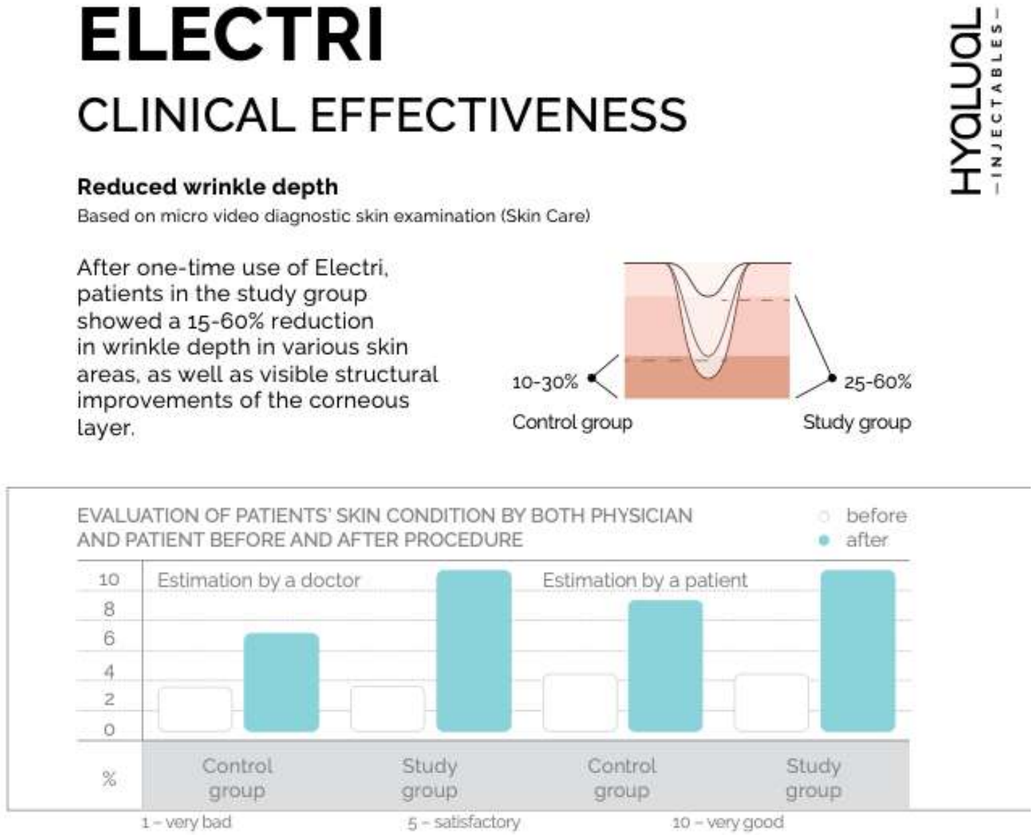
Elecri's hypoallergenic formulation is highly bio-compatible. It is free of any ingredient not found in the human body.

- CONTROLLABILITY

Physiological concentration of hyaluronic acid (0.55%) ensures easy product administration that does not provoke stable tissue swelling (pastosity).

- RELIABILITY

Electri is manufactured according to international quality standard ISO. It also has the CE mark.



One ELECTRI procedure provides:

- Dark eye circle
- Natural skin moisturization
- Visible complexion improvements
- Normalized microcirculation
- Structural skin improvements
- Slowed process of skin aging
- Antioxidant defense in dermis cells
- Delayed initial onset of skin aging
- Maximum effectiveness with fast results

HAPPY SELLING