

Hyalurance[®]

IONLINK™ Technology



Strong Bonds, Pure Beauty:
Hybrid HA Enhanced with **Ionlink™ Technology**

BIOREMODELING SKIN BOOSTER



HYDRATION

The moisture level in the skin shows
an increase of 86%.

Each package contains:

- 1 Pre-filled 2.2ml syringe
- 1 Product leaflet
- 2 Product traceability labels

LIFTING

Lifting effect by enhancing density
through dermal cell proliferation increased
by approximately 80%.

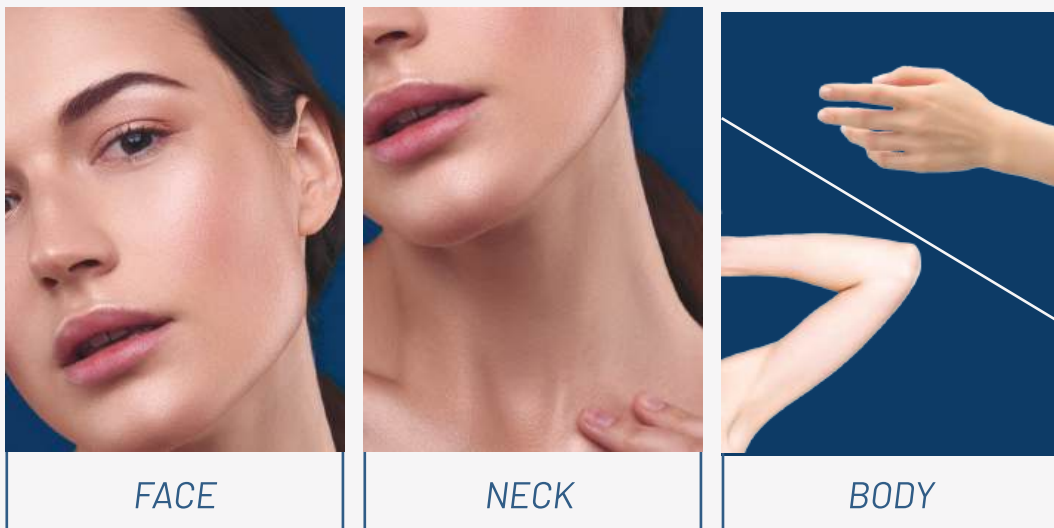
Hyalurance®

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Hyalurance® is an innovative hybrid hyaluronic acid (HA) product created using Ionlink technology. This technology enables the unique combination of high and low molecular weight hyaluronic acid. The resulting polymer networks are strengthened through both hydrogen and ionic bonds, ensuring stability. This distinctive combination provides Hyalurance with superior structural integrity and efficacy, delivering long-lasting and resilient performance in the skin.

SPECIFICALLY USE FOR

TISSUE REMODELING AND ELASTICITY IMPROVEMENT
IN SKIN:



Hyalurance®, in order to regulate the skin structure with a natural approach, involves the application of hyaluronic acid, the active ingredient most akin to human nature, to the right areas of the skin;

- increased collagen production, reduced wrinkles, noticeable improvement in skin elasticity, skin renewal, and deep hydration.
- skin tone balancing.
- tissue regeneration in acne scar issues.

PRODUCTION PROCESS

STEP 1 SELECTION OF HA

32mg of hyaluronic acid high
molecular weight (3 MDa)
+
32 mg of hyaluronic acid low
molecular weight (700kDa)

STEP 2 IONLINK™ TECHNOLOGY

Ionlink Technology combines high and low molecular weight hyaluronic acid without chemical additives. The polymer networks are stabilized by hydrogen and ionic bonds. Hyalurance Ionlink™ reinforces the 'straight bonds (S)' structures within hyaluronic acid gel polymer networks through hydrogen bonding, covalent bonds, and van der Waals interactions. Unlike standard sodium hyaluronate gels, Ionlink™ gel by Hyalurance transforms into a hydrogel-like substance when mixed with water. This transformation is facilitated by the ion bonds present in its structure.

IONLINK™ Technology

STEP 3 MIXING AND FORMULATION

A new molecule as a stabilized hybrid HA is hydroted and adjusted for PH and viscosity, all under sterile conditions.

STEP 4 STERILIZATION

Hyalurance undergoes sterile filtration through a 0.2 micron filter.

STEP 5 FILLING, PACKING, QUALITY CONTROL

Hyalurance is filled into pre-sterilized syringes in a cleanroom, sealed, and then packaged in sterile protective materials; it undergoes quality control testing for sterility, endotoxins, viscosity, and stability to ensure safety and efficacy.

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PROPERTIES AND SAFETY

HIGH HA CONCENTRATION (70.4 mg / 2.2 ml)

PROPERTIES OF HYALURANCE

1. Hybrid Formulation

- **Combination of Molecular Weights:** Hyalurance combines high molecular weight (HMW) and low molecular weight (LMW) hyaluronic acids. This blend ensures both deep hydration and surface-level benefits.
- **Ionlink Technology:** Utilizes Ionlink technology to stabilize the HA through hydrogen and ionic bonds, enhancing the gel's longevity and performance.

2. Gel Consistency

- **Viscosity:** The gel is formulated to have a specific viscosity, making it easy to inject and distribute evenly in the skin. It is typically designed to be smooth and less viscous compared to other HA gels.

3. Hydration and Moisturization

- **Deep Hydration:** LMW HA penetrates deeper layers of the skin, providing intense hydration and reducing the appearance of fine lines.
- **Barrier Function:** HMW HA forms a protective layer on the skin's surface, improving barrier function and preventing moisture loss.

4. Skin Remodeling

- **Collagen Stimulation:** Helps stimulate collagen production, which can improve skin elasticity and firmness.
- **Skin Laxity:** Assists in reducing skin laxity and enhancing overall skin texture.

5. Stability

- **Extended Longevity:** The Ionlink stabilization provides increased durability, which means the product maintains its effectiveness over time.

SAFETY PROFILE OF HYALURANCE

1. Biocompatibility

- **Non-Irritating:** Generally well-tolerated by the skin with minimal risk of irritation or adverse reactions.
- **Non-Allergenic:** Designed to reduce the risk of allergic reactions, as HA is a naturally occurring substance in the body.

2. Sterility

- **Manufacturing Standards:** Produced under strict sterile conditions to ensure the product is free from contaminants.
- **Quality Control:** Undergoes rigorous testing, including sterility and endotoxin tests.

3. Side Effects

- **Common Reactions:** Possible side effects include mild swelling, redness, or bruising at the injection site, which usually resolves within a few days.
- **Rare Reactions:** Severe allergic reactions or infections are extremely rare but should be monitored for.

4. Post-Treatment Care

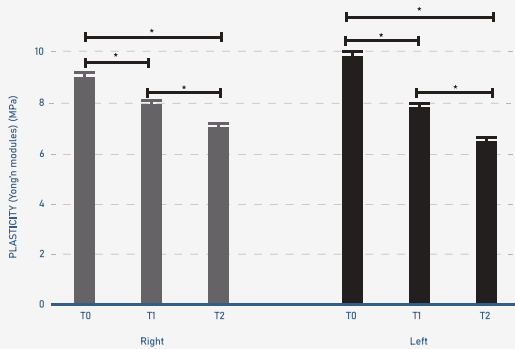
- **Aftercare:** Following the injection, patients should follow recommended aftercare instructions, such as avoiding direct sunlight and harsh skincare treatments for a few days.

CLINICAL STUDIES AND DATA

- **Efficacy Studies:** Clinical studies often support the efficacy of Hyalurance in improving skin hydration, texture, and firmness.
- **Safety Data:** Clinical trials and post-marketing surveillance help ensure the safety profile remains positive and any emerging issues are promptly addressed.

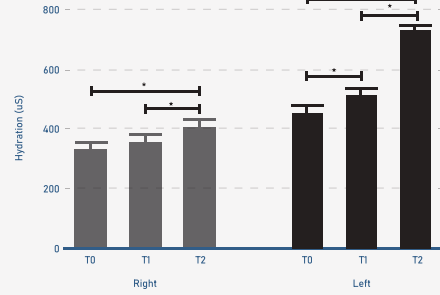
RESULTS

Elasticity Effect



Facial skin elasticity (Young's modulus) mean SEM values (*P<.01).

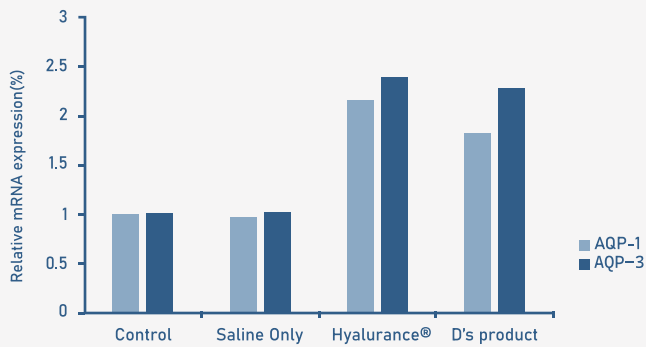
Hydration Effect



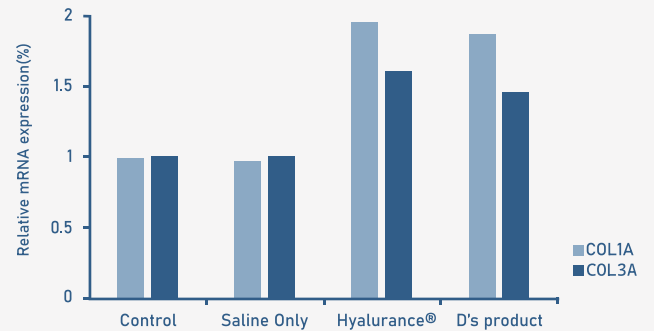
Facial skin hydration mean SEM values (*P<.01).

Ref.Carmen Laurino, MSc, Beniamino Palmieri, MD, & Alessandro Coacci, MD.(2015). Efficacy, Safety, and Tolerance of a New Injection Technique for High- and Low-Molecular-Weight Hyaluronic Acid Hybrid Complexes

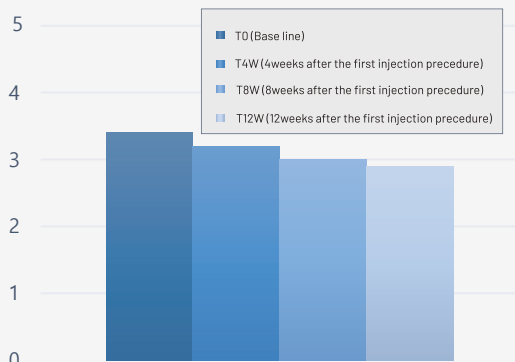
Skin Moisturizing Effect



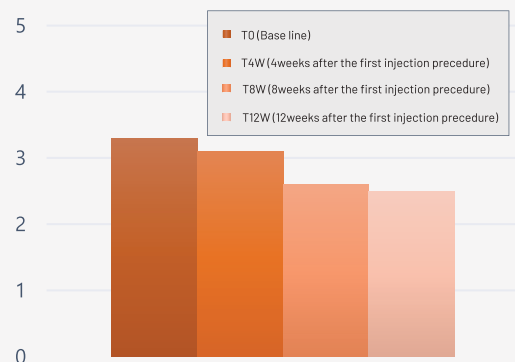
Collagen Synthesis Effect



TISSUE REMODELING



Reduction in the WSRS "wrinkle severity" throughout the study. Note:*P<0.005 vs T0. Abbreviation:WSRS, wrinkle severity rating scale

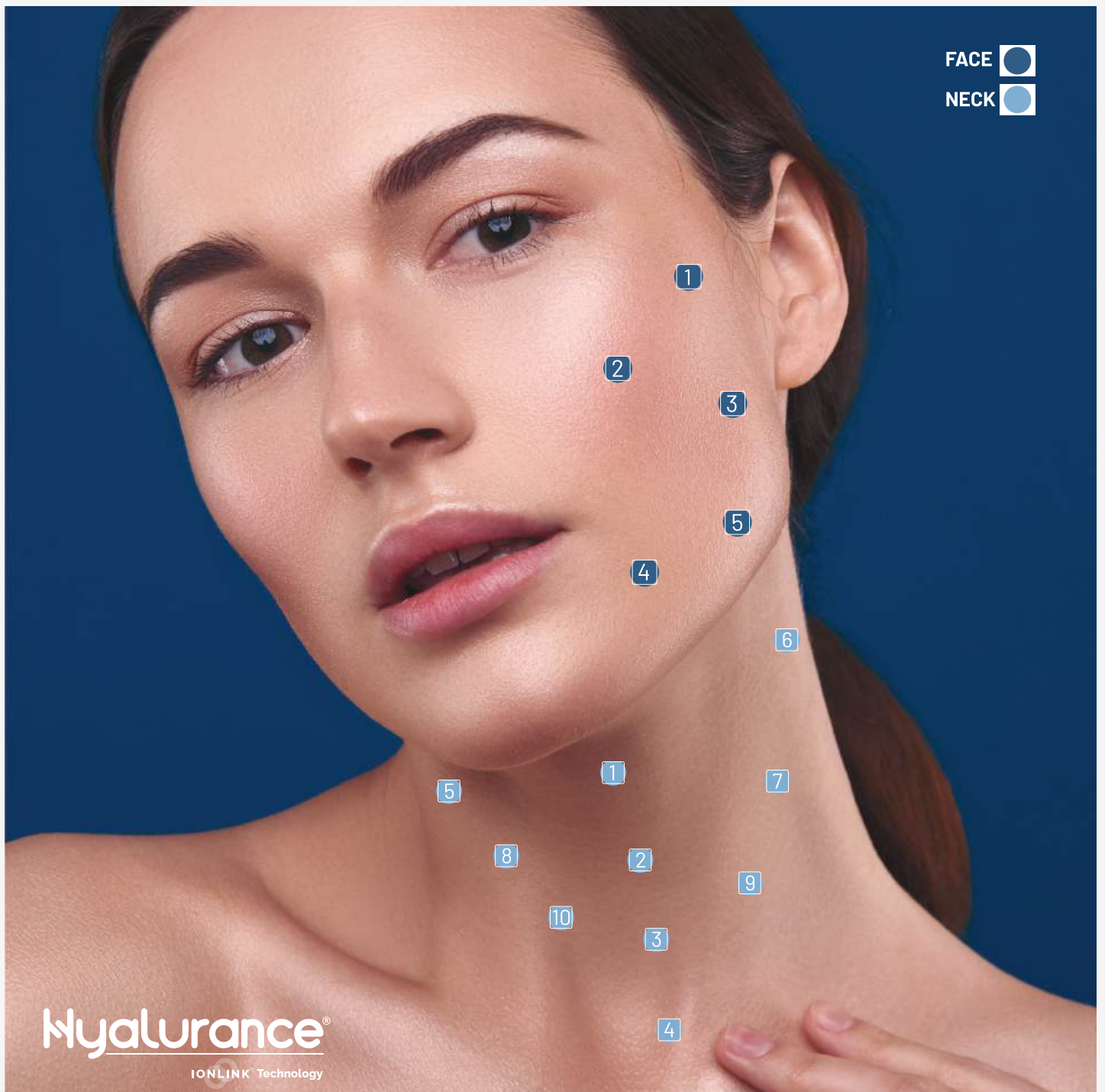


Reduction in the FVLS "check volume loss" throughout the study. Note:*P<0.005 vs T0. Abbreviation:FVLS, facial volume loss scale.

HOW TO USE

Thanks to its unique rheological properties, tissue can be reshaped and collagen production can be stimulated with **TWO SESSIONS** performed in the superficial subcutaneous layer at **30 DAYS INTERVALS** using all aesthetic injection techniques. **REMINDER SESSIONS EVERY SIX MONTHS** can help maintain the optimal level of your skin.

It is recommended to tailor the Hyalurance protocol based on the patient's level of aging, adjusting the number of treatments and product quantity accordingly.



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for
PDF



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