

# TOTAL DENSIFY



THE COLLAGEN BANK

 skymedic

# CROSS-MINERHYAL TECHNOLOGY

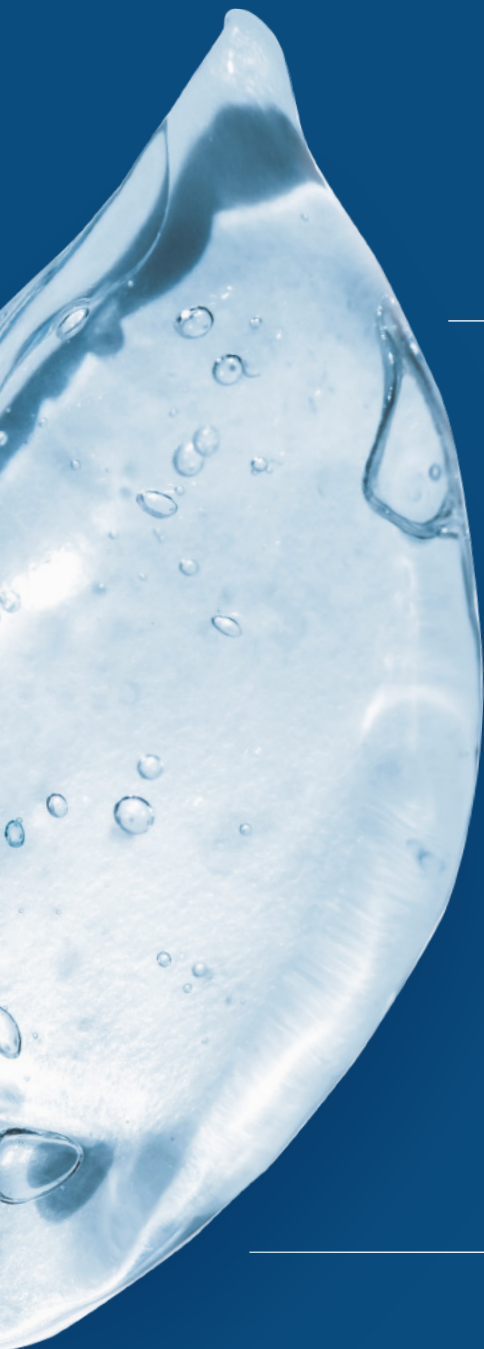
# 97.5%

## ALKALINE THERMAL WATER

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- |           |  |           |  |
|-----------|--|-----------|--|
| <b>NH</b> | <b>Ammonium</b><br><i>Amino acid synthesis</i>         | <b>Ca</b> | <b>Calcium</b><br><i>Protection</i>              |
| <b>Fe</b> | <b>Iron</b><br><i>Cellular oxygenation</i>             | <b>Mn</b> | <b>Manganese</b><br><i>Antioxidant</i>           |
| <b>Li</b> | <b>Lithium</b><br><i>Anti-inflammatory</i>             | <b>Sr</b> | <b>Strontium</b><br><i>Anti-inflammatory</i>     |
| <b>K</b>  | <b>Potassium</b><br><i>Skin hydration</i>              | <b>B</b>  | <b>Boron</b><br><i>Regeneration</i>              |
| <b>F</b>  | <b>Fluorine</b><br><i>Antioxidant</i>                  | <b>Mg</b> | <b>Magnesium</b><br><i>Regeneration</i>          |
| <b>S</b>  | <b>Sulfur</b><br><i>Dermal purification</i>            | <b>H</b>  | <b>Hydrogen carbon ions</b><br><i>Stabilizer</i> |
| <b>Si</b> | <b>Silica</b><br><i>Regeneration</i>                   |           |  |
| <b>P</b>  | <b>Orthophosphate ions</b><br><i>Anti-inflammatory</i> |           |  |





**3.2%**

HYALURONIC ACID

**DENSIFY III**

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**NEW**

**2.5%**

HYALURONIC ACID

**DENSIFY II**

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**1.9%**

HYALURONIC ACID

**DENSIFY**

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# FRACTIONAL MOLECULAR WEIGHTS

## MUCH MORE THAN HA

### ● HYALURONIC ACID

HIGH MOLECULAR WEIGHT  
2.5 MDa, 1.5 MDa

Attracts and releases water molecules, captures free radicals, and accelerates the exchange metabolism.



### ● HYALURONIC ACID

AVERAGE MOLECULAR WEIGHT  
600 kDa, 350 kDa, 150 kDa

It stimulates the proliferation of fibroblasts and basal cells.



### ● HYALURONIC ACID

LOW MOLECULAR WEIGHT  
4 kDa

Stimulates endothelial cells, amplifies neoangiogenesis and collagen production.



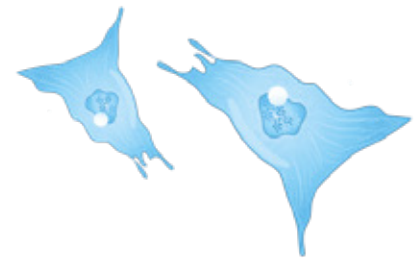
**SKIN NUTRITION AND ANTI-INFLAMMATORY EFFECT**

Thanks to the alkaline thermal water and **high molecular weight HA** (2.5 MDa, 1.5 MDa).



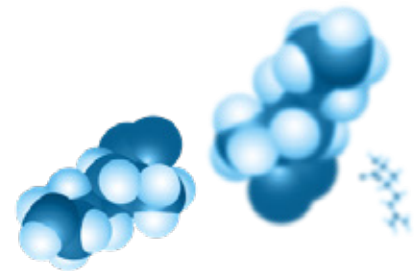
**FIBROBLAST STIMULATION**

Prevents aging by stimulating the natural production of elastin and HA by fibroblasts thanks to its **medium molecular weights** (600 kDa).



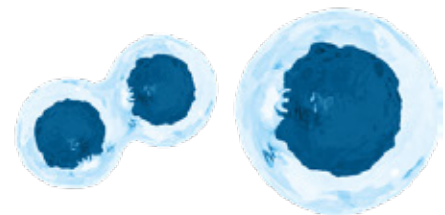
**PROMOTES AMINO ACID SYNTHESIS**

Regenerative action due to **average molecular weights** (350 kDa).



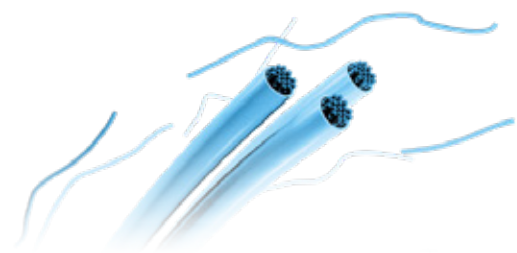
**FACILITATES CELL PROLIFERATION**

Regenerative action due to **average molecular weights** (150 kDa).



**NEOCOLAGENESIS & NEOANGIOGENESIS**

Thanks to its **low molecular weight** (4 kDa).





**300%**  
HYDRATION

**200%**  
BETTER SKIN  
QUALITY



**70%**  
REDUCTION  
OF FLACCIDITY

# **CROSS-MINERHYAL** TECHNOLOGY

The perfect union between hyaluronic acid of maximum purity with alkaline thermal water with a high content of antioxidant minerals.



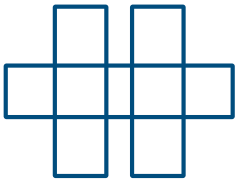
THE MAXIMUM  
**REGENERATIVE  
POWER**



**NEW**

**DENSIFY III**

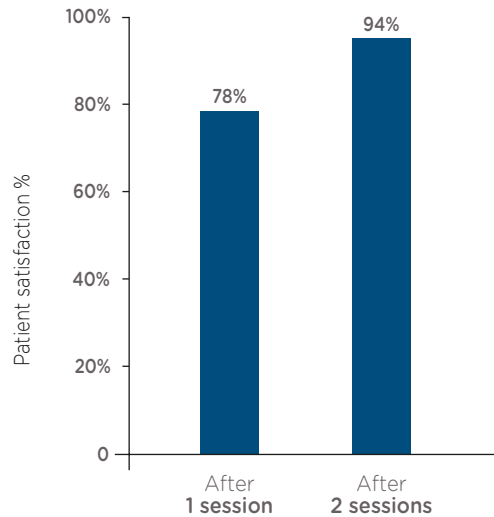
ULTRA-PURE HA



# DENSIFY III

ULTRA-PURE HA

**NON-CROSSLINKED FREE HA**  
**64 MG/2 ML WITH 3 MOLECULAR WEIGHTS**  
**80% 1 MILLION KDA | 10% 500 KDA | 10% 300 KDA**



The study was conducted with a total of 100 people and the following parameters were evaluated: With the Evelab V facial analysis equipment: measuring crow's feet, forehead wrinkles, pores, eyelid sagging and pigment spots.

## RHEOLOGICAL PROPERTIES

**G' 35 PA      G'' 15 PA**

The rheological properties of Densify III make it an ideal product for deep tissue regeneration: maximum fluidity for natural integration and optimal cell stimulation.

○ Face

○ Facial contour

○ Hands

Neck ○



# DENSIFY II

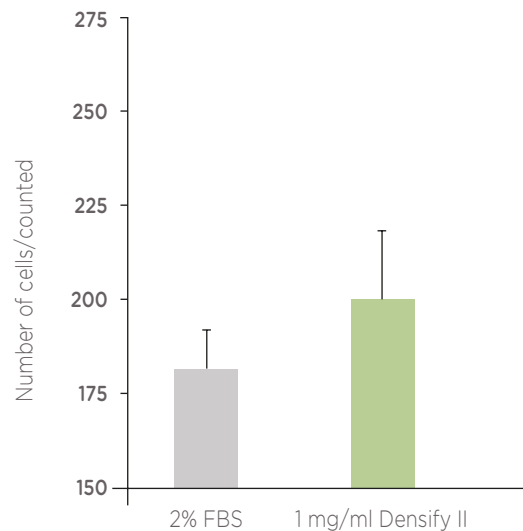
LOW CROSS-LINKED HA

**25 MG/ML**

**2.5 MD<sub>a</sub> + 1.5 MD<sub>a</sub> CROSS-LINKED**

**12% FREE HA**

**BDDE <0.1 PPM**



In vitro studies on fibroblast proliferation in the human dermis show that Densify II's ability to stimulate fibroblast proliferation in the human dermis is 40% higher than that of fetal bovine serum.

## RHEOLOGICAL PROPERTIES

**G' 30 PA**      **G'' 10 PA**

The rheological properties of Densify II make it an ideal product: predominance of fluidity over elasticity.

○ Full face, neck  
and décolletage

○ Hands

○ Intimate



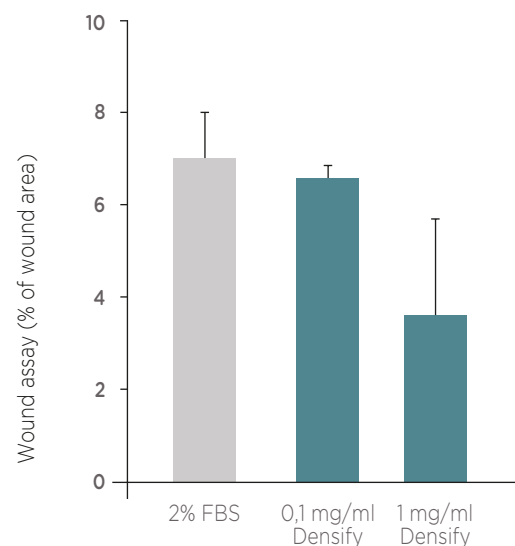
# DENSIFY

NON CROSS-LINKED HA

**OH NO LATTICE**

**16 MG/ML WITH 5 MOLECULAR WEIGHTS**

**High 1.5 MDa | Media 600 kDa, 350 kDa, 150 kDa | Under 4 kDa**



The cells were treated with Densify for 18 hours. The results are expressed as a percentage of the wound area relative to time 0. Fibroblasts attempt to cover the wound in the presence of Densify, thus demonstrating its regenerative effect.

## RHEOLOGICAL PROPERTIES

**G' 20 PA      G'' 10 PA**

Densify's rheological properties make it an ideal product: predominance of fluidity over elasticity.

Face, neck  
and neckline

Hands

# ERGONOMIC DESIGN FOR ALL HANDS

## **COMFORT**

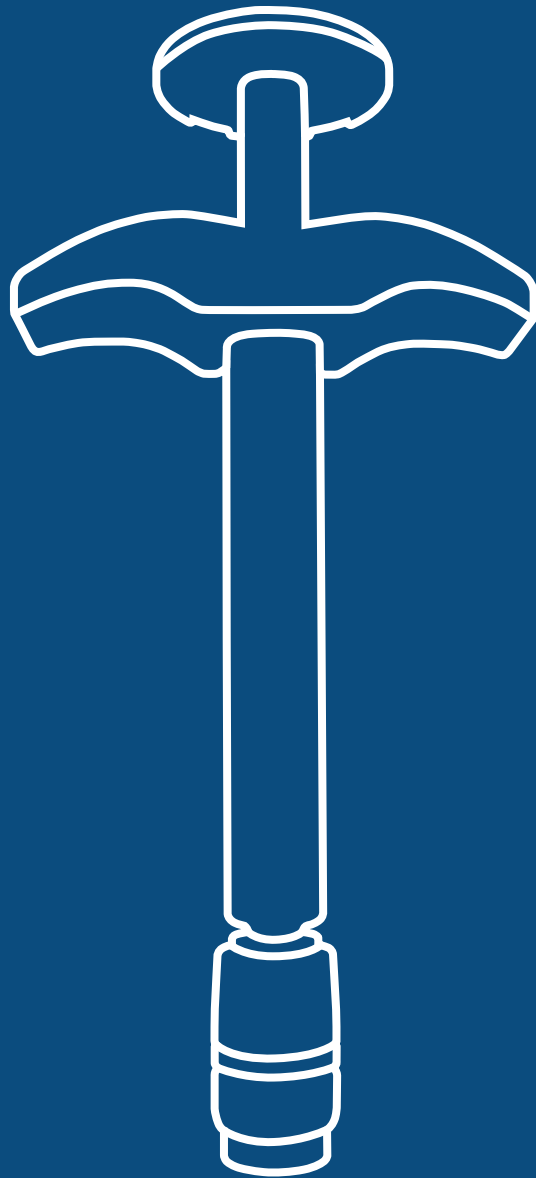
Ergonomic design created for the comfort of any user, especially those who inject a high volume of syringes daily. The wide surface area of the backstop and plunger allows for greater control with less force, facilitating extrusion.

## **DUAL-MATERIAL**

Each Total Densify syringe is made of a soft-touch, dual-material material that helps suspend the fingers while injecting the product.

## **ASPIRATION**

Total Densify syringes include an accessory to facilitate aspiration before injection, allowing the plunger to be pulled back with minimal movement.



# PROTOCOL

# TECHNIQUE 10/10

BY DR DANIEL DÍAZ TORRADO

## TREATMENT OBJECTIVE

Restore skin quality in all its layers through the synergistic combination of three molecular weights of hyaluronic acid, stimulating collagen, elastin and blood vessels to obtain denser, more elastic, hydrated skin with an even tone, reducing the future need for volumetric fillers.

## MECHANISM OF ACTION

- **Densify III (high molecular weight):** a non-inflammatory biostimulator; it anchors in the deep dermis/subcutis, stabilizes the extracellular matrix, and activates pericytes → collagen I-III and elastin.
- **Densify II (medium molecular weight):** acts in the mid-dermis, enhancing neocollagenesis and angiogenesis.
- **Densify (low molecular weight):** hydrates and bio-enhances the epidermis and superficial dermis; strengthens the skin barrier.

## APPLICATION

### 1 DENSIFY III – 5 LIGAMENTOUS STITCHES

**DEPTH:** PERIOSTEUM/HYPODERMIS

**Entry points:** 25 G × 50 mm, 0.2 ml/point in vertical back-injection

- Superior temporal septum
- Inferior temporal septum
- Confluence point (1 cm anterior to the temporomandibular joint)
- Mandibular ligamentous septum (angle of the mandible)
- McGregor's point (1 cm anterior to the tragus, level of the mandible)

### 2 DENSIFY II – 5 BACK-INJECTIONS

**DEPTH:** MID-DERMIS

**Entry point:** 2 cm below the outer canthus of the eye, guided by the tragus

- 22G × 50 mm cannula, 0.2 ml/reverse injection, total 1 ml per side
- **Vectors:** ascending

### 3 DENSIFY – 5 MICRO-DEPOSITS

**DEPTH:** SUPERFICIAL DERMIS

**Entry point:**

- 30G × 13 mm needle, 0.05 ml/point, 2 mm papule
- Mandibular septum
- Nasojugal ligament
- Midway between both points
- 1 cm above the highest point of the eyebrow
- 1 cm above the previous point (temporal)

## MATERIALS NEEDED

- 1 x 2 ml syringe Modelha Densify III (64 mg/2 ml, high molecular weight)
- 1 x 2 ml syringe Modelha Densify II (medium molecular weight)
- 1 x 2 ml syringe Modelha Densify (low molecular weight)
- Cannula 25 G x 50 mm (Densify III)
- Cannula 22 G x 50 mm (Densify II)
- Cannula 30 G x 25 mm (Densify)
- Needles 30 G x 13 mm (entry points)

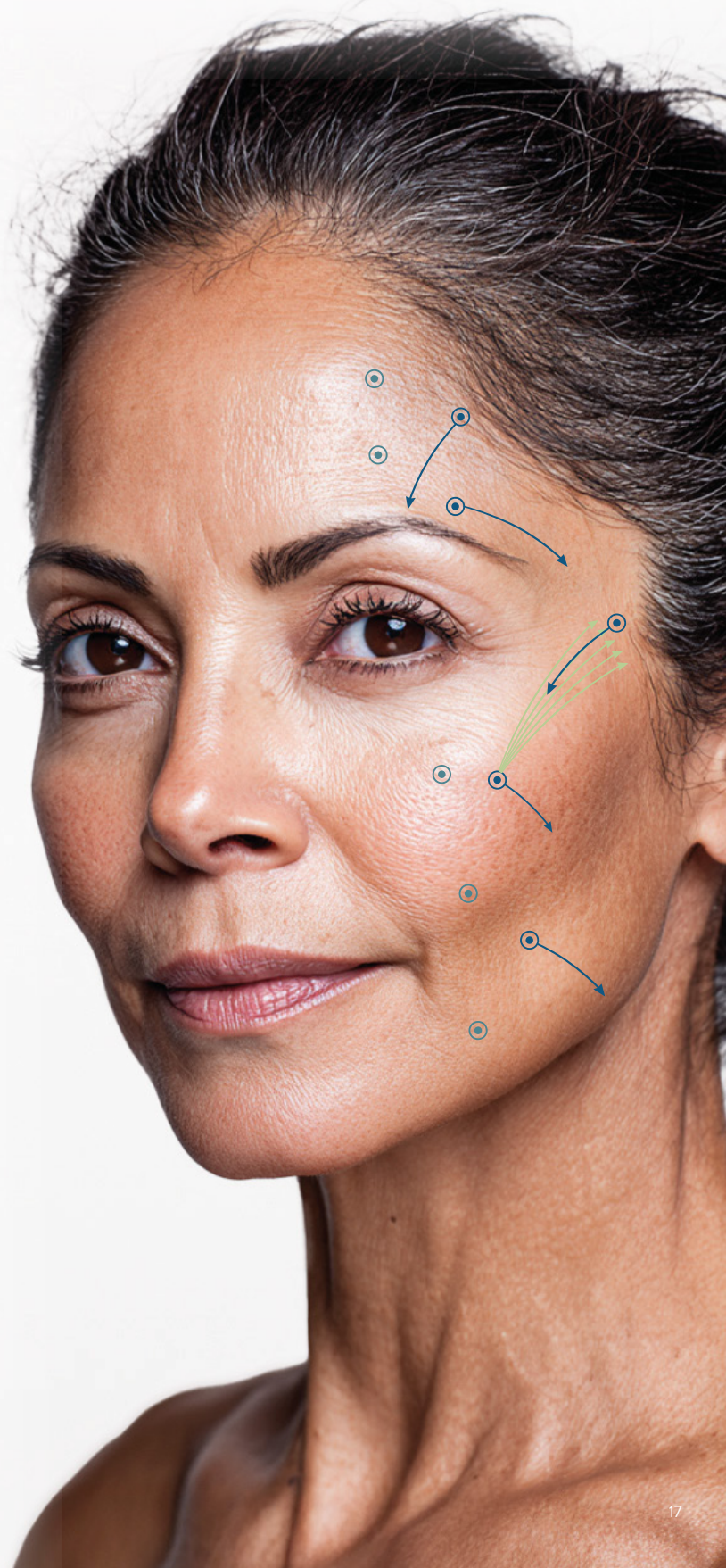
## SESSION SCHEDULE

- **Ages 20-30:** 1 session per year
- **Ages 30-45:** 1 initial session + booster after 6 months
- **Ages >45 or severe photoaging:**

*3 sessions spaced 30 days apart; then 1 maintenance session every 6-8 months*

## EFFECTS OF THE TREATMENT

- **Short term (2-4 weeks)**  
↓ Fine lines, ↑ hydration, improved texture and tone, reduced dark circles
- **Medium term (1-3 months)**  
Neocollagenesis, neoelastogenesis, angiogenesis → denser, more elastic skin, reduced TEWL
- **Long term (3-6 months)**  
Rejuvenated skin, progressive natural results, prevention of aging, reduced need for volumetric fillers



# PROTOCOL

# SKIN BOOSTER + CANNULA

## TREATMENT OBJECTIVE

Firming facial structures through deep injection of high molecular weight hyaluronic acid provides an immediate lifting effect in the facial fat compartments. This aims to counteract the effects of aging associated with volume loss, stimulating the regeneration of fatty tissue to restore definition and facial contour.

## MECHANISM OF ACTION

- *Modelha Densify III is a high molecular weight hyaluronic acid (64 mg/2 ml) with a non-inflammatory biostimulatory effect on adipose tissue. It is implanted in the deep dermis using a cannula, stabilizing and structuring the extracellular matrix while stimulating stem cell activity.*

## APPLICATION

It is performed every 21 to 30 days, using a 25G x 50 mm cannula, at 4 entry points on each side of the face, using different vectors. 0.5 ml is deposited at each vector via retro-injection.

- **Medial malar region:** 8 vectors fanned out (4 diagonally upwards and 4 downwards).
- **Mandibular angle:** 4 vectors.
- **1 cm posterior to the labial commissure:** 4 vectors.
- **Premasseteric zone:** 4 vectors.

## MATERIALS NEEDED

- 2 x 2ml syringes of Modelha Densify III
- Cannula 25mm x 1ml on each side

## ESTIMATED DURATION

The effects last for an average of 6 months. Afterward, it is recommended to repeat one or both phases, depending on the patient's needs.

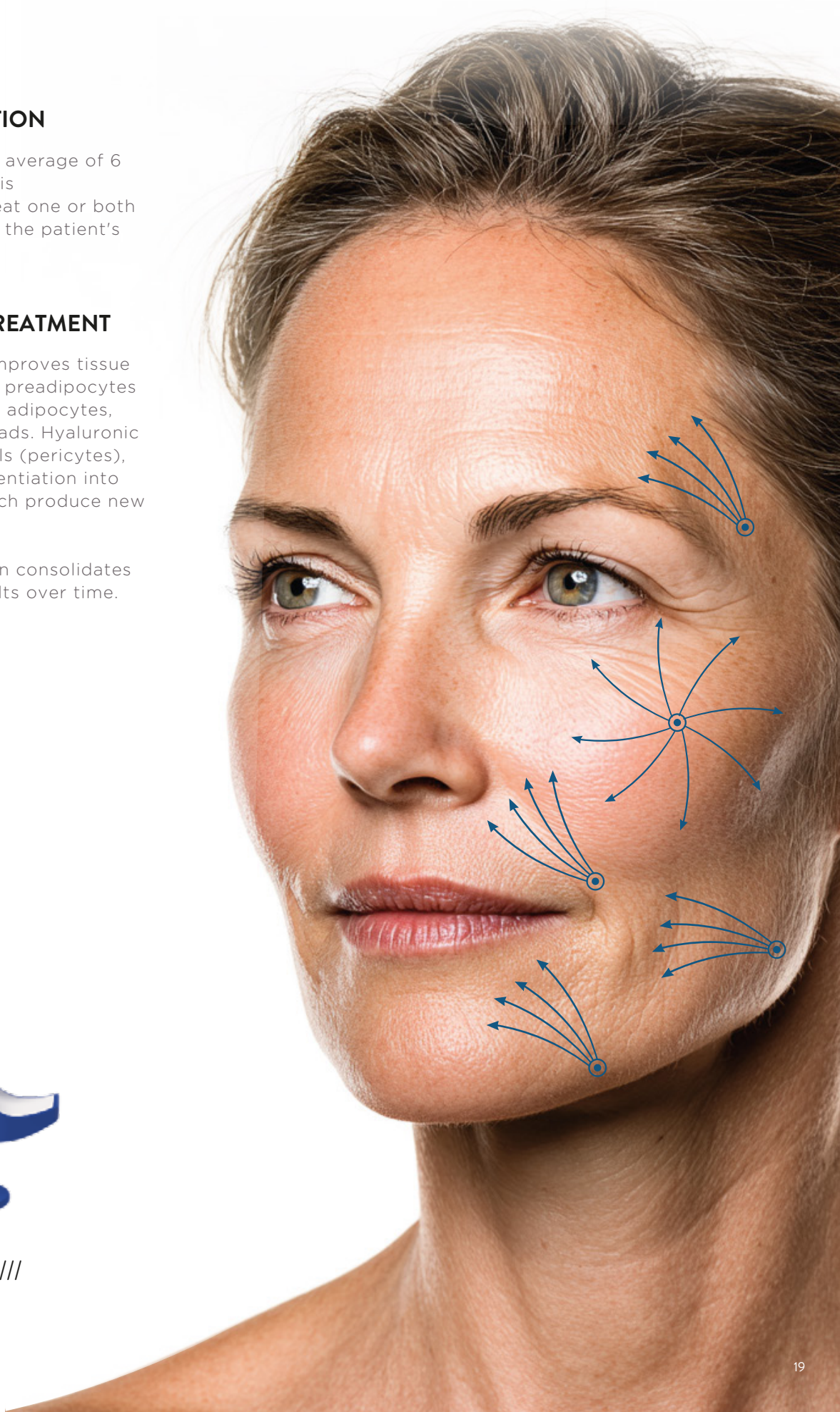
## EFFECTS OF THE TREATMENT

The first application improves tissue quality and stimulates preadipocytes to generate functional adipocytes, optimizing facial fat pads. Hyaluronic acid binds to stem cells (pericytes), promoting their differentiation into active fibroblasts, which produce new collagen and elastin.

The second application consolidates and prolongs the results over time.



*Densify III*



# PROTOCOL

# SKIN BOOSTER + NEEDLE

8 STITCHES WITH NEEDLE

## TREATMENT OBJECTIVE

Reaffirm and redefine your facial structure with a non-surgical lifting technique that involves strategic injections at eight key points on the face. This procedure aims to promote the regeneration of lost fat and collagen, while providing deep, long-lasting hydration, resulting in a noticeable improvement in skin firmness and overall quality.

## MECHANISM OF ACTION

- *Modelha Densify III is a high molecular weight hyaluronic acid (64 mg/2 ml) with a non-inflammatory biostimulatory effect on adipose tissue. It is implanted with a needle, stabilizing and structuring the extracellular matrix while stimulating stem cell activity.*

## APPLICATION

It is performed every 21 to 30 days, using a 30G or 29G needle, at 8 strategic points on each side of the face, using different injection points. 0.125 mg is deposited at each point as a papule.

- **Medial malar region:** 3 points
- **Mandibular angle:** 1 point
- **1 cm posterior to the labial commissure:** 1 point
- **Temporal region:** 3 points

## MATERIALS NEEDED

- 1 x 2ml syringe of Modelha Densify III
- 30G or 29G needle

## ESTIMATED DURATION

The effects last an average of 2 years. It is recommended to repeat 3 sessions over 3 months, depending on the patient's needs.

## EFFECTS OF THE TREATMENT

The first application improves tissue quality and stimulates preadipocytes to generate functional adipocytes, optimizing facial fat pads. Hyaluronic acid binds to stem cells (*pericytes*), promoting their differentiation into active fibroblasts, which produce new collagen and elastin.

The second application consolidates and prolongs the results over time.



*Densify III*



# PROTOCOL

# BIO-LIFTING 5 + 1

BY DR XAVIER BATALLA

## TREATMENT OBJECTIVE

Create a natural facelift without overloading the face:

- **STRUCTURE** 5 key points with Volume
- **REGENERATE** the entire dermis with Densify III Result: restore bone-periosteal support, redensify collagen and elastin, redefine oval and cheekbone.

## MECHANISM OF ACTION

- **Volume:** Cross-linked HA acts as a support vector injected onto the periosteum; it lifts descending compartments and creates immediate mechanical scaffolding.
- **Densify III:** High molecular weight (**64 mg/2 ml**) is distributed in the deep dermis; it binds pericytes → stem cell activation → neocollagenesis I-III-IV + neoelastogenesis + angiogenesis (progressive bio-lifting effect).

## APPLICATION

### 1 VOLUME – THE 5+1 POINTS (2 ml total)

DEPTH: SUB-PERIOSTEUM

Cannula 25 G × 50 mm | 0.2-0.3 ml/point

*Entry points:*

- **Zygomatic region:** 0.2-0.3 ml
- **Maxilla:** 0.2-0.3 ml
- **Posterior mandibular angle:** 0.5 ml
- **Lateral chin:** 0.5 ml
- **Piriform fossa:** 0.2-0.3 ml
- **Optional “+1” point (depending on assessment):** 0.2-0.3 ml mid-supraorbital

### 2 DENSIFY II – GLOBAL BIOSTIMULATION (2 ml total face)

DEPTH: DEEP DERMIS

25G × 50mm cannula | 3ml half-face

*Entry points:*

Distribute 1 ml per half of the face in a cross-mesh pattern (reverse injection 0.05 ml/step, 2 cm separation) covering:

- Temporal
- Zygomatic
- Mid-cheek
- Mandibular line

## MATERIALS NEEDED

- 5-6 syringes 1 ml Modelha Volume (crosslinked HA 25 mg/ml, medium-high viscoelastic)
- 3 syringes 2 ml Modelha Densify III (HA 64 mg/2 ml, biostimulator)
- Cannula 25 G × 50 mm (Densify III)
- Cannula 22 G × 50 mm (Volume)
- Needle 30 G × 13 mm (entry points)
- Topical anesthetic 30 min

## SESSION SCHEDULE

- **Initial session only;** evaluate after 30 days.
- **Maintenance:** repeat only PHASE 2 every 6-8 months.
- If deep wrinkles persist, add 0.3 ml Volume as a vector touch.

## EFFECTS OF THE TREATMENT

- **Immediate**  
Slight lifting, improvement of the oval shape and projection of the cheekbone.
- **Week 2-4**  
Hydration, radiance, reduction of edema.
- **Month 1-3**  
Neocollagenesis → denser skin, increased elasticity, reduced nasolabial fold.
- **Month 3-6**  
Consolidated “bio-lifting” effect; ≥30% reduction in the need for additional fillers.



# MODELHA

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