

CHAC technology  
CELLBOOSTER®



## CLINICAL EVIDENCE

CELLBOOSTER® **LIFT**    CELLBOOSTER® **GLOW**    CELLBOOSTER® **HAIR**

CELLBOOSTER® CLINICAL EVIDENCE

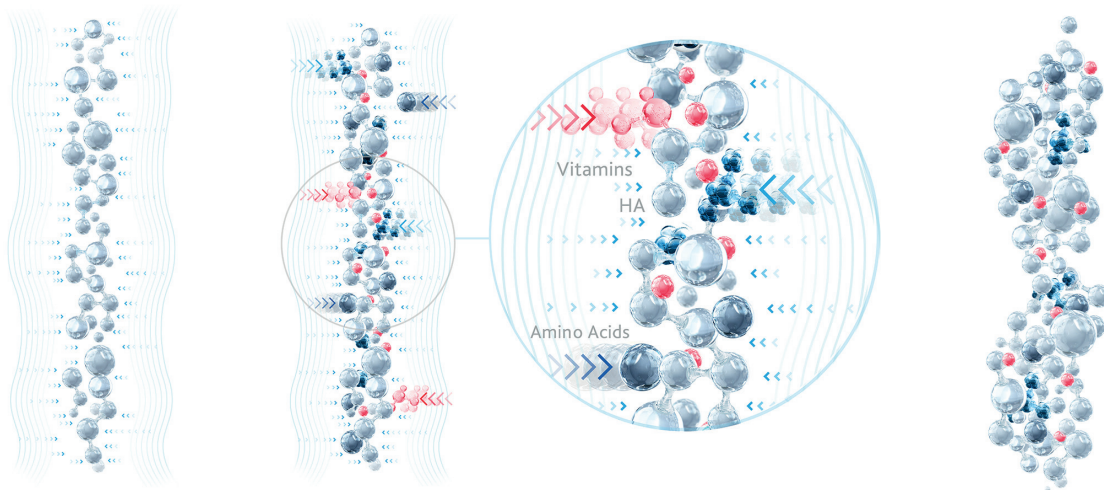
# CELLBOOSTER®

## CHAC TECHNOLOGY

**CHAC Technology** modifies and exploits the natural properties of Hyaluronic Acid (HA) making it an **optimal vehicle** for transporting essential nutrients to the skin, ensuring their **effective delivery** and **long-lasting results**.

This proprietary technology makes it possible to integrate biologically active ingredients onto HA macromolecules under conditions of mechano-stimulated reactions - **simultaneous pressure** and **shear deformation**. Specific bioactive components such as vitamins, and amino acids are **simultaneously integrated** and **uniformly distributed** onto the HA macro chains, **forming a large complex** that in essence represents a **unique macromolecular 'depot'** of biologically active material. As a result, multiple molecular complexes are formed.

These **molecular complexes** are based on supramolecular interaction between bioactive components and functional groups of HA, and unlike bioactive components **cannot be recognized by hyaluronidase**.



### STEP 1

#### FORMING OF A HA MATRIX:

**High pressure** and **shear deformation** ensures unfolding of the molecules of HA.

### STEP 2

#### FORMING OF LINKED COMPLEX:

**Integration of active components** into the structure of the HA "matrix" under the influence of pressure and shear deformation with **the formation of links** between HA molecules and active components (amino acids and vitamins).

### STEP 3

#### FORMING THREE-DIMENSIONAL STRUCTURAL CHAC-COMPLEX:

The pressure on molecules reduces resulting in "unfolding" of the HA molecules with **integrated active components**.

CHAC technology  
CELLBOOSTER®  
LIFT



## CLINICAL STUDY

A prospective, open study on the safety and effectiveness of CELLBOOSTER® LIFT (stabilized booster complex using CHAC technology) on healthy subjects. Study conducted by EUROFINs in collaboration with Dr. Patricia Morel Mandrino (France) and Dr. Gabriel Siquier (Spain).  
*Study led by Eurofins, independent laboratory (France).*



# CELLBOOSTER® LIFT

## CLINICAL STUDY

### INDICATIONS:

- Moderate skin depression, loss of firmness or laxity (facial tissue & contours)
- Fine lines & wrinkles
- Dehydrated skin
- Visible dryness
- Loss of skin tone & microcirculation
- Atrophic scars, post acne, striae
- Couperose.

- ✓ Lifts & Smooths Wrinkles
- ✓ Skin Redensification
- ✓ Skin Tone & Microcirculation Improvement

### TREATMENT AREAS:

Epidermis and dermis of:

- Face
- Neck
- Decollete area
- Back of the hands
- Internal face of the arms
- Body

### COMPOSITION:

#### Stabilized

HYALURONIC ACID 18 mg

#### VITAMINS

- Riboflavin (B2)
- Sodium Ascobyl Phosphate (C)
- Tocopherol (E)
- Biotin



#### AMINO ACIDS

- Arginine
- Glycine
- Lysine
- Proline
- Valine

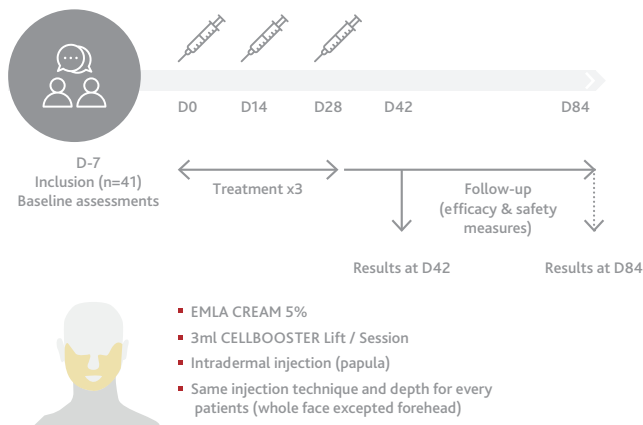
### STABILIZED REJUVENATING COMPLEX

## METHODOLOGY:

### Study design:

Prospective, monocentric, open, non comparative, post-marketing study designed to investigate the efficacy and safety of CELLBOOSTER® Lift on healthy female and male subjects (n=41) aged between 36 and 55 years old, with signs of cutaneous dryness on cheekbones and cutaneous aging on the face (wrinkles, skin laxity and dull skin).

### Patient treatments and follow-up



### Patient inclusion & disposition

- ✓ 41 healthy patients aged from 36 to 55 years old (mean 47.8 ± 4.95 yrs, 37 female and 4 male subjects) were included in the study to receive injections of CELLBOOSTER® Lift.
- ✓ All subjects included had hydration values (measured by Corneometer® at baseline) <60AU (mean ± SD = 44.81 ± 8.66 AU).

### Objectives:

#### Primary:

- To evaluate CELLBOOSTER® Lift effectiveness on skin hydration improvement 2 weeks after the last treatment (considering a clinically relevant improvement with a change from baseline higher than 2 AU).

#### Secondary:

- To evaluate effectiveness on the improvement of skin quality by objective measurement of skin biomechanical parameters, density, hydration, microcirculation, wrinkles and colour, 2 and 8 weeks after the last treatment.
- To evaluate effectiveness on clinical Global Aesthetic Improvement, using the Global Aesthetic Improvement Scale (GAIS), evaluated by the investigator 2 and 8 weeks after the last treatment.
- To evaluate effectiveness on clinical Global Aesthetic Improvement, using the GAIS, evaluated by the subject 2 and 8 weeks after the last treatment.
- To evaluate the satisfaction of the injectors and the subjects using a subjective evaluation questionnaire 2 and 8 weeks after the last treatment.
- To illustrate aesthetic effect through 2D photography throughout the study period.
- To evaluate safety throughout the study period by Injection Site Reactions (ISRs) and adverse events (AEs) collection.

### Assessments/endpoints

#### Primary:



Moisture (corneometer)

Change from baseline of epidermis hydration (>2AU\*) at D42

\*Arbitrary Unit.

#### Functional measures

##### Secondary:

- Hydration (corneometer)
- Skin microcirculation (Laser Doppler)
- Skin parameters (cutometer)
- Skin density (Dermascan)
- Skin color (photographies)
- Skin wrinkles parameters (Fringe projection system)

Change at D42/84 vs. baseline

#### Subjective measures

- Aesthetic effect (photographies)
- GAIS score ≥ "improved" (investigator & subjects)
- Degree of satisfaction (subjective questionnaire – investigator & subjects)

#### Safety

Injection site reactions (ISRs) and adverse events (AEs) collection – Investigator & subjects

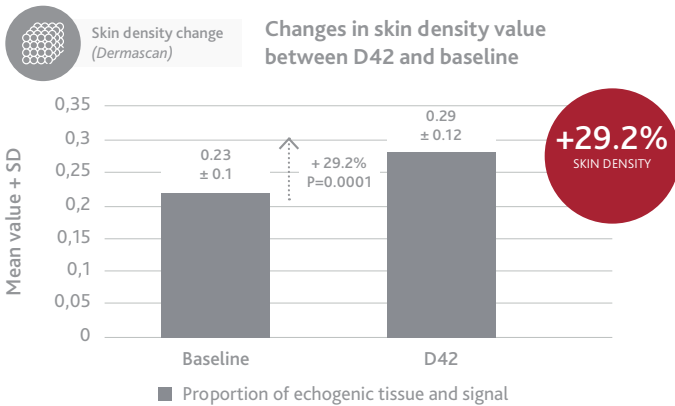
### Statistical analyses & populations

- FAS (Full Analysis Set): n=41 (any subject included in the study with at least a post-basal value)
- PP (Per Protocol) population: n=39 (any subject included in the study without major deviation)
- Safety population: n=41 (any subject having used the tested device).

CELLBOOSTER® LIFT

RESULTS AT D42

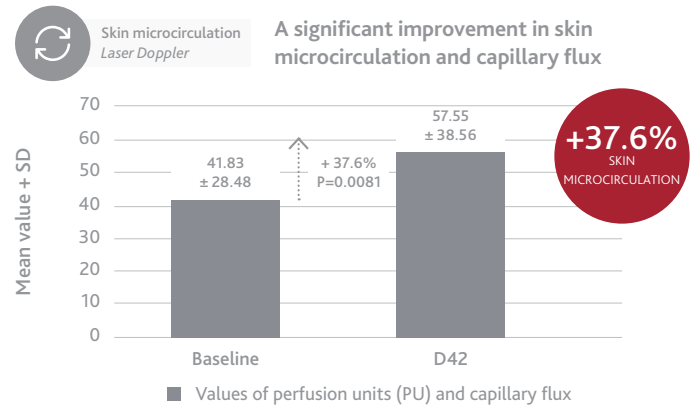
**A significant improvement in skin density**



More rejuvenated cells such as fibroblasts => working the skin from the inside!

Significant increase in the proportion of echogenic signal (+0.06, +30%) 2 weeks after the last injection

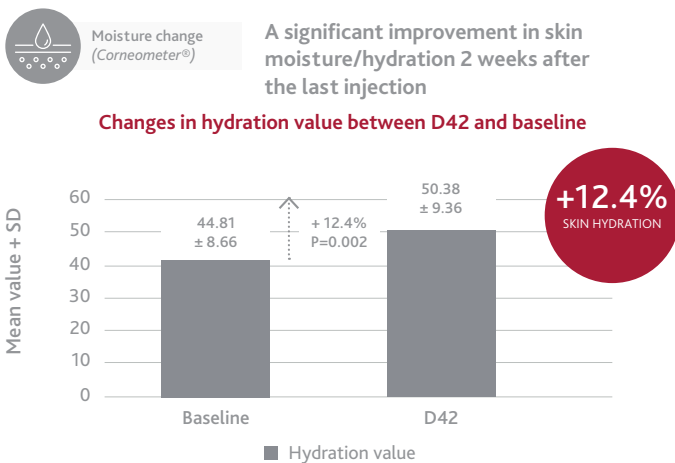
**A significant improvement in skin microcirculation**



A better blood flow, and thus more oxygen & energy for the tissue!

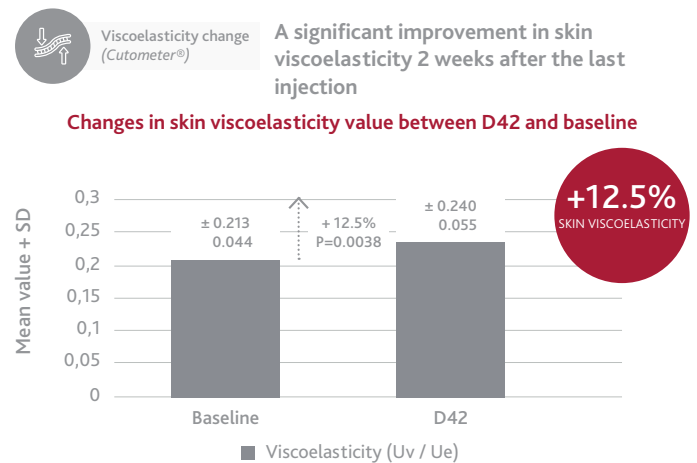
Significant increase in skin microcirculation (perfusion units & capillary flux by >15 units (>37%)) 2 weeks after the last injection

**A significant improvement in skin hydration (primary endpoint)**



The improvement of skin hydration was statistically superior from 2 (p=0.0286) at D42 (2 weeks after the last injection), which indicates the efficacy of the treatment

**A significant improvement in skin viscoelasticity parameter**



Statistically significant increase (+12.5%) in skin viscoelasticity (p=0.0038) two weeks after the last injection

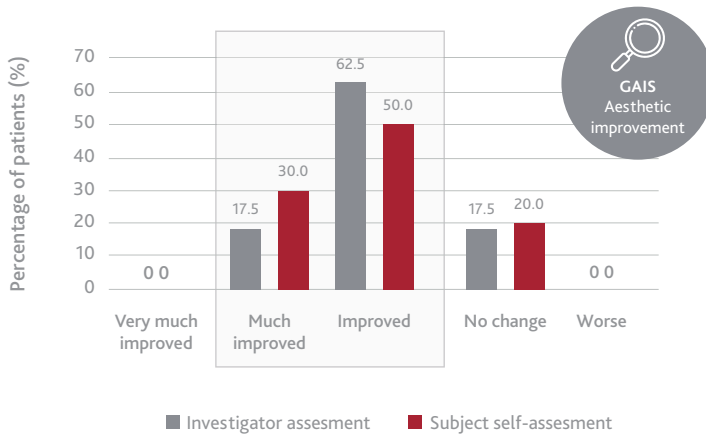
CELLBOOSTER® LIFT

RESULTS AT D42

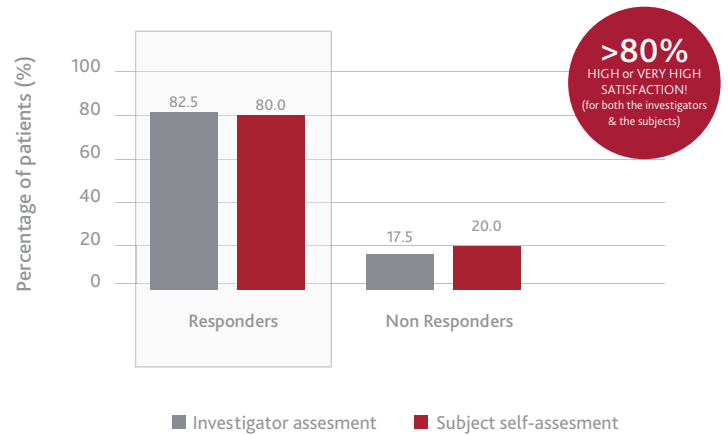
**A significant improvement in aesthetic rating**

A significant improvement in skin microcirculation and capillary flux

**Aesthetic change - GAIS**  
as measured by investigators and subjects



**Responders rates**  
as measured by investigators and subjects

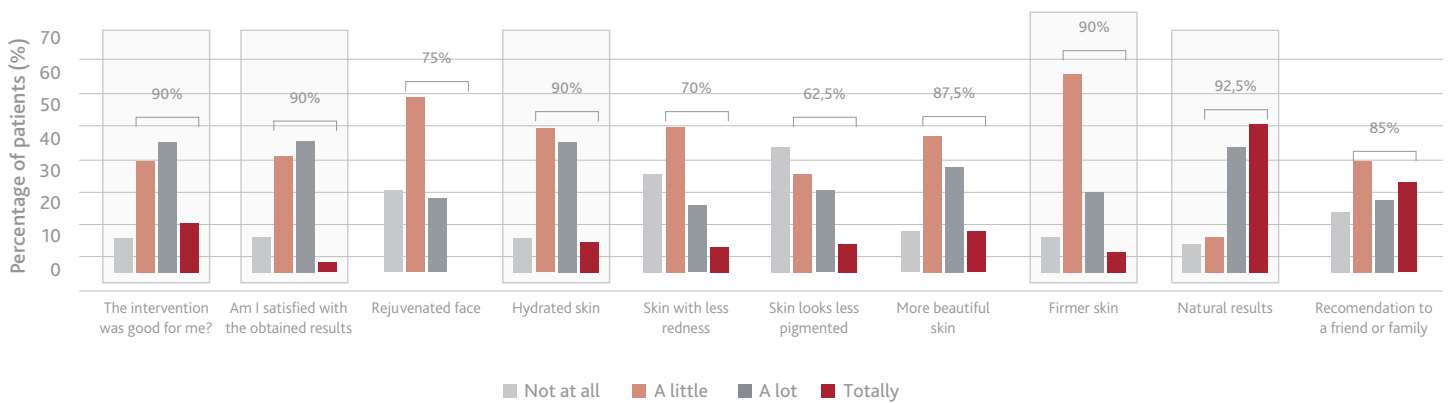


A very high satisfaction and a statistically significant responder rate as rated by the investigators and the subjects 2 weeks after the last injection

**CELLBOOSTER® Lift: a significant improvement in aesthetic rating**

Very high satisfaction rates among included patients

Patient satisfaction and agreement regarding the improvement of their skin



A very high satisfaction of the subjects 2 weeks after the last injection

**Subject Satisfaction**

**>90%** HIGH or VERY HIGH Patients SATISFACTION!  
« The treatment is good »  
« Obtained results »

**>60%** Patients SATISFACTION on all parameters!  
« Hydrated skin »  
« Firmer skin »

# CELLBOOSTER® LIFT

## A high satisfaction during injection sessions

Injectors appraisal on product features during the 3 injections

100%

HIGH or VERY HIGH SATISFACTION at D0, D14 & D28!

- ✓ EASE OF INJECTION
- ✓ EASE OF VIAL MANIPULATION
- ✓ EASE OF PRODUCT POSITIONING
- ✓ EASE OF TURBIDITY DETECTION

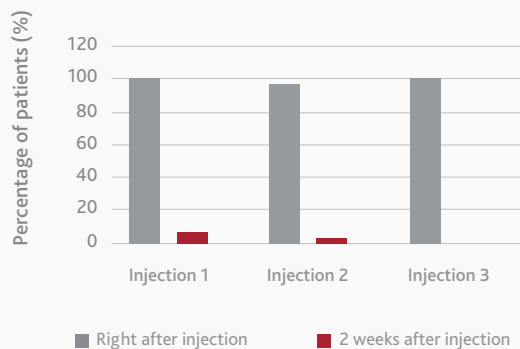
## CELLBOOSTER® Lift: Injection Site Reactions (ISRs) and Adverse Events (AEs) appraisal

Injection site reactions\* as reported by the investigators and the subjects



Safety endpoint - ISRs  
Investigators and subject report  
(ISRs collection)

Proportion of patients presenting at least one sign of ISR during the clinical trial



- ✓ Most of the ISRs observed by the investigators and subjects were judged as being mild.
- ✓ None of the reported ISRs were considered as severe whatever the injection point.
- ✓ All ISRs reported by the subjects lasted from 1 to 3 days & disappeared 2 weeks after each injection session.

ISRs were considered as expected following an injection with a Class III medical device & resolved 2 weeks after the last injection

\* ISRs reported by investigators and subjects were considered as expected after a Class III medical device injection and included Redness/Erythema, Pain/tenderness, Induration, Oedema, Lumps/Bumps, Bruising/Hematoma, Itching and Discoloration/Pigmentation.



CELLBOOSTER® CLINICAL EVIDENCE

CELLBOOSTER® LIFT

## CONCLUSION

A strong clinical trial that allows 2 weeks after a 3 injections protocol to observe that CELLBOOSTER® LIFT leads to:



With a well tolerated treatment

CHAC technology  
CELLBOOSTER®  
GLOW



## HUMAN SKIN EXPLANTS STUDY

Anti-Aging and Depigmentation Effect of a Hyaluronic Acid Mechanically Stabilized Complex on Human Skin Explants.

Gabriel Siquier-Dameto, Sylvie Boisnic, Pere Boadas-Vaello and Enrique Verdú.  
*Study Led by Gredeco, independent laboratory (France).*

## CELLBOOSTER® GLOW

## HUMAN SKIN EXPLANTS STUDY

Independent study conducted by GREDECO Laboratory (France), led Dr. Sylvie Boisnic to demonstrate the **depigmenting** and **anti-aging efficacy** of CELLBOOSTER® Glow injected into the dermis of human skin maintained in survival.

## COMPOSITION:

Stabilized  
HYALURONIC ACID 18mg

## VITAMINS

- Sodium Ascorbyl Phosphate (C)
- Biotin



## AMINO-ACIDS

- Cysteine
- Glutathione
- Glycine
- Lysine
- Proline
- Valine

## STABILIZED REVITALIZING COMPLEX

## METHODOLOGY:

In the present study, skin samples from four female donors between 29 and 57 years of age have been used.

**The depigmenting effect** was analyzed on native skin after 12 days.

For this purpose, CELLBOOSTER® Glow injections were performed at D0 in the superficial dermis and the upper part of the middle dermis.

The 2 following conditions were compared in duplicate for each donor: control skin *versus* CELLBOOSTER® Glow.

**The anti-ageing effect** of the products was analyzed in a UV ageing model.

For this purpose, an oxidative stress with UVA and UVB doses was carried out at D0.

After UV session, CELLBOOSTER® Glow injections were performed in the superficial dermis and the upper part of the middle dermis.

For anti-aging effect, 2 series of culture were made at D4 (MMP1 analysis, GAGs assay) and D12 (procollagen and elastin).

The 3 following conditions were compared in duplicate for each donor: control skin *versus* UV *versus* UV + CELLBOOSTER® Glow.

## CONCLUSION:

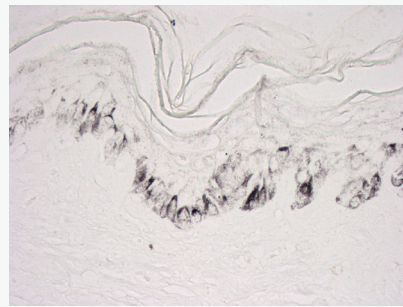
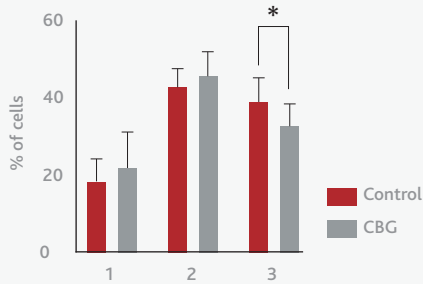
In an experimental aging model by ultraviolet (UV) on human skin maintained in survival condition, an anti-ageing effect was obtained after injection of CELLBOOSTER® Glow with an increase of **47.9% pro-collagen type I**, **25.3% elastin** and **22.4% sulfated Glycosaminoglycannes (GAGs)**.

Depigmenting effect of CELLBOOSTER® Glow was also shown with a significant decrease of cell number with important pigmentation.

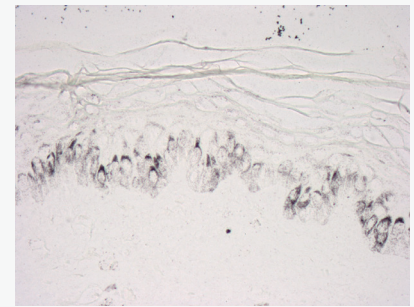
Fontana staining x 400

Histogram of the percentage of cells with low (score 1), medium (score 2) and high (score 3) melanin content in both experimental groups (Control, CBG). Values are mean  $\pm$  standard deviation (n = 8 values). \* p < 0.05 compared to the control group.

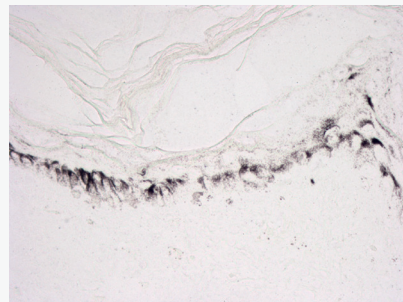
Melanic pigment (Fontana Masson staining)



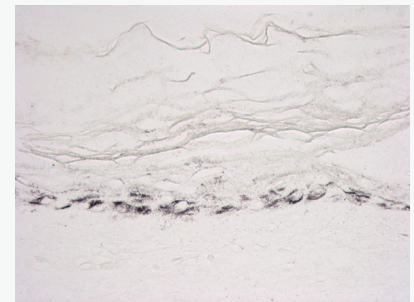
Control skin 1



Skin 1 after injection with CELLBOOSTER® Glow

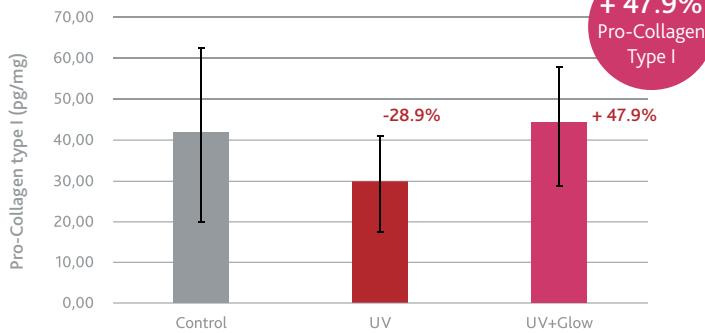


Control skin 2



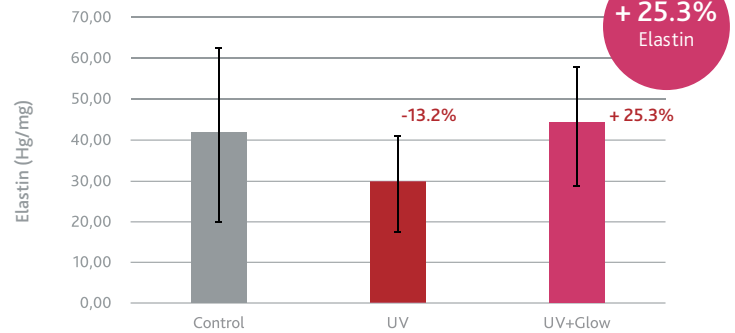
Skin 2 after injection with CELLBOOSTER® Glow

Pro-collagen type I assay



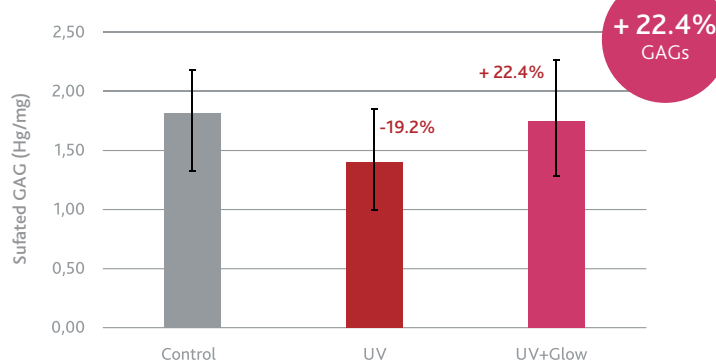
After injection of CELLBOOSTER® Glow, a significant increase of pro-collagen type I by 47.9% was obtained in comparison with UV condition.

Elastin assay



The elastin synthesis is significantly increased by 25.3% after injection of CELLBOOSTER® Glow in comparison with UV condition.

Sulfated | glycosaminoglycans assay



After injection of CELLBOOSTER® Glow, a significant increase of sulfated glycosaminoglycans by 22.4% was obtained in comparison with UV condition.



# Discover the full scientific article published in the renowned Polymers Journal: Anti-Aging and Depigmentation Effect of a Hyaluronic Acid Mechanically Stabilized Complex on Human Skin Explants by Gabriel Siquier-Dameto, Sylvie Boisnic, Pere Boadas-Vaello and Enrique Verdú.



NEW ARTICLE

Anti-Aging and Depigmentation Effect of a Hyaluronic Acid Mechanically Stabilized Complex on Human Skin Explants

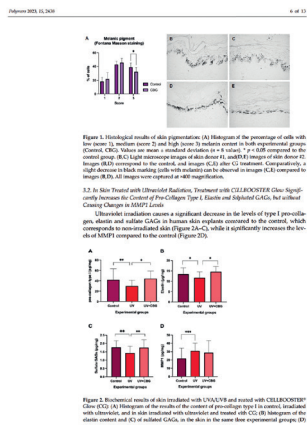
**Anti-Aging and Depigmentation Effect of a Hyaluronic Acid Mechanically Stabilized Complex on Human Skin Explants**  
Gabriel Siquier-Dameto<sup>1,2</sup>, Sylvie Boisnic<sup>1,3</sup>, Pere Boadas-Vaello<sup>1</sup> and Enrique Verdú<sup>1\*</sup>

<sup>1</sup> From: Clinica Universitaria IISVI, Dermatology, P.O. Box 100, 46100 Burjassot, Spain; <sup>2</sup> Institut de Ciències Avançades, Entomology and Neotropical Zoology, Department of Medical Sciences, University of Valencia, 46100 Burjassot, Spain; <sup>3</sup> Institut de Ciències Avançades, Department of Cell Biology, University of Valencia, 46100 Burjassot, Spain; \*Correspondence: verdue@iisvi.com

**Abstract:** Skin-related skin environmental problems are factors that cause changes in the skin that age skin aging. The objective of the study is to evaluate the repigmenting effects of a complex formed by hyaluronic acid and mechanically stabilized complex on skin explants of human skin. For this, explant skin samples have been obtained from donors that have been randomized and cultured in skin explant medium. The complex was cultured in skin explant and the percentage of cells with low, medium and high levels of melanin was evaluated as an indicator of the degree of repigmentation. Other skin explants were cultured with UVB/VA, which produce sun damage on skin explants with the levels of collagen, elastin, alpha-CG and MMP1 to be evaluated. The results show that the administration of the complex significantly reduced the percentage of skin cells with a high melanin content by 30%, and that skin explants with UVB/VA show an increase in the content of collagen, elastin and alpha-CG, and the complex reduces this reduction without changing MMP1 levels. This suggests that the complex has anti-aging and depigmentation effects on the skin, giving a skin repigmentation appearance.

**Keywords:** skin explants; melanin; extracellular matrix; hyaluronic acid; aging; depigmentation

**1. Introduction**  
Hyaluronic acid (HA) is one of the most widely used biopolymers of extracellular matrix components in dermo-aesthetic medicine, with the aim of covering the skin [1]. In human skin, hyaluronic acid is the glycoprotein, except for the epidermal and dermal layers and the stratum corneum, and in the first layers of the dermis supports and levels [2]. Hyaluronic acid content decreases with aging, both in men's and women's skin [3], so its depletion reduces the rigidity of the skin, especially in women's skin [4]. In this context, it has been observed that dermal injection of chemically cross-linked hyaluronic acid (CL-HA) fills wrinkles, smooths wrinkles and corrects pigmentation by skin fibroblasts [5]. CL-HA injections increased collagen formation around the filler [6]. Injection of chemically cross-linked high-molecular-weight HA supplemented with DPA, followed by dermal injections increases skin volume, improving the wrinkle appearance of the skin [7]. Intradermal injection of cross-linked HA causes a redistribution in wrinkles [1]. Injection of cross-linked HA also improves skin hydration and elasticity. In the periodical area, there comes an improvement of between 20% and 30% in skin hydration, texture and target [8,9]. The ideal application of Restylane® Hyaluronate (BHA) SA, Galderma (Cham, Switzerland), highly purified HA, has a significant improvement in facial wrinkles and skin texture [10].



Scan to read the full article:



CELLBOOSTER® CLINICAL EVIDENCE

CHAC technology  
CELLBOOSTER®  
HAIR



## CLINICAL TRIAL

Results of the clinical trial on 26 healthy subjects treated with CELLBOOSTER® HAIR (stabilized booster complex using CHAC technology).  
Fighting hair loss & Strengthening hair follicles to improve hair density and quality.  
*Trial led by Gredeco, independent laboratory (France).*

# CELLBOOSTER® HAIR

## CLINICAL TRIAL

### INDICATIONS:

- Non cicatricial alopecia,
- Alopecia areata,
- Androgenic alopecia,
- Damaged hair shaft (brittle, dull color, split ends),
- Premature graying,
- Seborrhea, psoriasis.

- ✓ Nourishes the scalp and fortifies follicles,
- ✓ Accelerates hair growth,
- ✓ Prevents hair loss and graying.

### TREATMENT AREAS:

Epidermis and dermis of the scalp (near hair roots according to the mesotherapy applied technique).

### COMPOSITION:

HYALURONIC ACID 18 mg

#### VITAMINS

- Niacin
- Pantothenic Acid (B5)
- Pyridoxine (B6)
- Biotin (B7)
- Cyanocobalamin (B12)
- Rutin



#### AMINO ACIDS

- Arginine
- Cysteine
- Glutamine
- Glycine
- Lysine

#### COPPER

#### ZINC

STABILIZED REJUVENATING COMPLEX

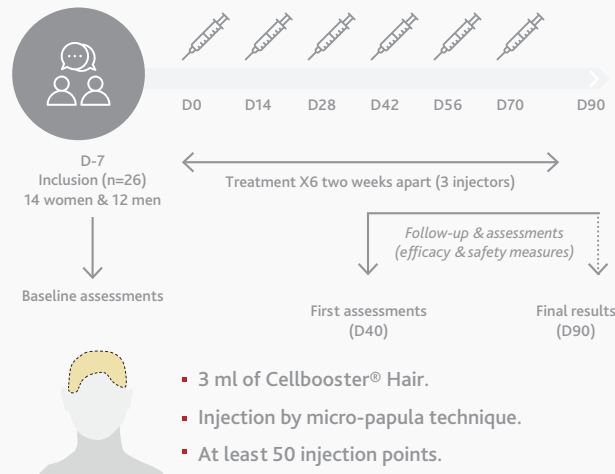
CHAC technology

### METHODOLOGY:

#### Study purpose:

The objective of this study was to clinically assess the effect on hair density and hair quality after 6 sessions of CELLBOOSTER® HAIR injections on 26 healthy subjects, equally shared between men and women.

#### Patient treatments and follow-up & assessments



### ASSESSMENTS:

#### Hair quality clinical analysis:

- ✓ Thickness
- ✓ Shine
- ✓ Hair loss

#### Hair density & thickness improvement:

- ✓ Scoring on macrophotography with Proscope x30

#### Hair shine

- ✓ Measurement with Glossymer

#### Effect of the product:

- ✓ Scalp photographs by LifeViz 2D mini®

#### Subject satisfaction (self assessment) and GAIS (global aesthetic improvement scale)

#### Tolerance:

- ✓ Check of the absence of undesirable events at each visit.
- ✓ Each adverse event was reported within 48 hours and was included in the study report.



# CLINICAL TRIAL

## INCLUSION CRITERIA

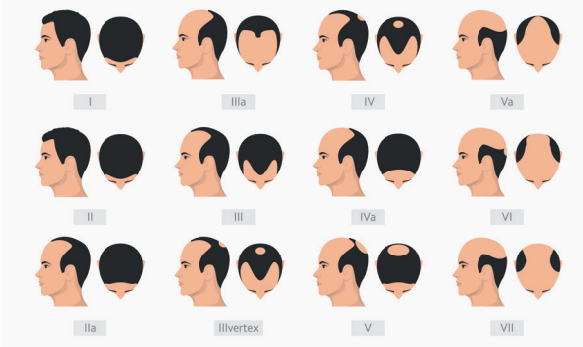
### General criteria:

- ✓ Subjects able to follow the trial procedures.
- ✓ Subjects giving their free and written consent after oral and written information about the study.

### Specific criteria:

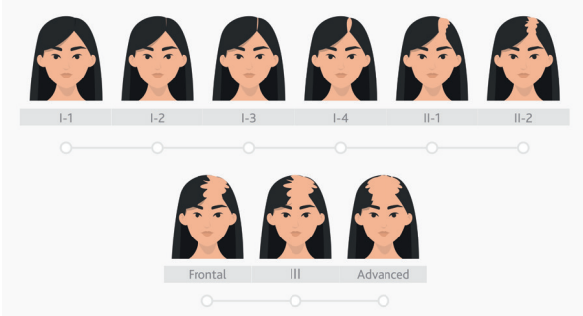
- ✓ Women or men, age over 18 years old.
- ✓ For men, qualification by the Norwood-Hamilton scale: class 2a, 3, 3a or 3a vertex.

### Norwood-Hamilton scale



- ✓ For women, qualification by the Ludwig scale: type 1 or 2

### Ludwig scale



- ✓ Women agreed to perform a pregnancy test (for women who can procreate a pregnancy test will be performed before each injection).
- ✓ Low to moderate capillary density.
- ✓ Subject not using care (topical or systemic) intended for hair growth/improvement.
- ✓ Subject agreeing not to be exposed to the sun for the duration of the study.

## PRINCIPAL EXCLUSION CRITERIA

### - SUBJECTS WITH:

### General criteria:

- ✓ Currently participating in another clinical study related to pharmaceuticals or medical devices or subject in a period of exclusion from a clinical study.
- ✓ Facial injections/implants of any non-absorbable filler in his or her lifetime.
- ✓ Pregnant or lactating woman.
- ✓ Often exposed to the sun or UV during the last 15 days.

### Allergies & inflammatory condition or other risk of infections:

- ✓ History of multiple severe allergies or anaphylactic shock.
- ✓ Known hypersensitivity to hyaluronic acid or to chlorhexidine.
- ✓ Tendency to develop inflammatory skin reactions or hypertrophic scars.
- ✓ An inflammatory skin reaction on or near the area to be treated (according to the opinion of the investigator).
- ✓ History of streptococcal disease (recurrent angina, rheumatic fever).
- ✓ Skin pathology, or an acute inflammatory reaction or bacterial or viral infection, at the study area level, or seen 6 weeks after the end of such an episode.
- ✓ Epilepsy not controlled by treatment.
- ✓ General pathology, skin pathology, dermatosis, acute or chronic systemic disease, and/or taking general or topical treatment that in the opinion of the investigator may interfere with the treatment or compromise the subject's participation in the study.
- ✓ Dermatological diseases that can reach the scalp (for example: pelade or lichen planus).
- ✓ Endocrine disruption mainly affecting the thyroid and more specifically hypothyroidism.

### Concomitant treatments:

- ✓ Oral/injectable corticosteroid (or not stopped for  $\geq 3$  months). Inhaled corticosteroids are allowed as well as topical corticosteroid therapy not involving study areas.
- ✓ Concomitant treatment (or not stopped for  $\geq 1$  year) of immunosuppressant or chemotherapy - A history of less than 12 months of radiation therapy at the study area level or of autoimmune pathology or connective tissue.
- ✓ Aspirin or anti-coagulants in regular doses during the past 15 days.

CELLBOOSTER® HAIR

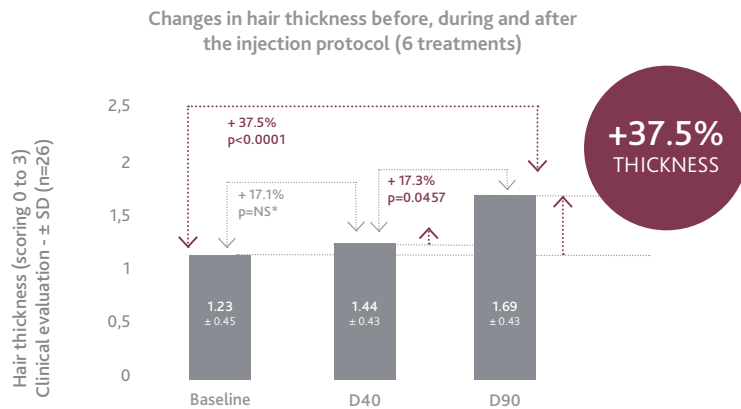
# CLINICAL EVALUATION RESULTS

3 weeks after the injection protocol (6 treatments)

**CELLBOOSTER® Hair:**  
for more hair strenght  
and resistance



Clinical evaluation

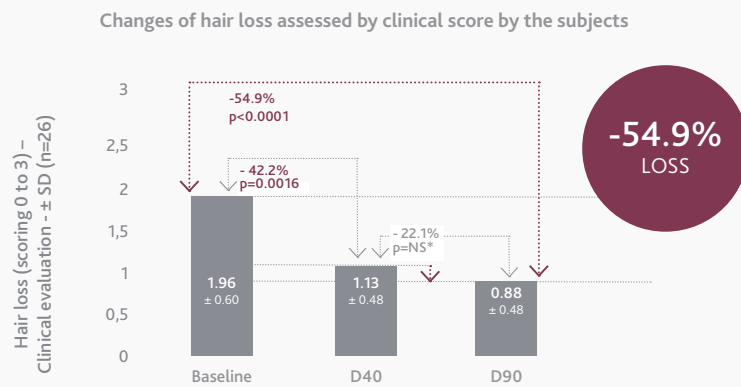


A continuous & additive improvement in hair STRENGTH after injections of CELLBOOSTER® Hair with a more and more SIGNIFICANT & beneficial effect

**CELLBOOSTER® Hair:**  
for significantly less  
loss



Clinical evaluation

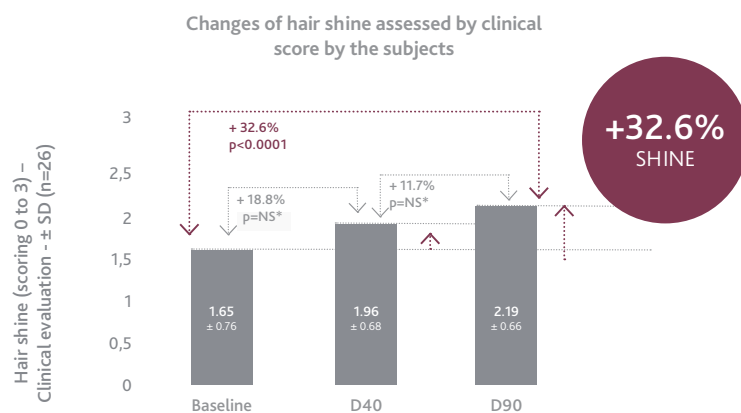


CELLBOOSTER® Hair for a SIGNIFICANT reduction of hair loss After 3 injections and even more after a full protocol of 6 injections

**CELLBOOSTER® Hair:**  
for shiny hair



Clinical evaluation



CELLBOOSTER® Hair for more shiny and beautiful hair with a SIGNIFICANT benefit after 6 injections

\* Not significant  
Statistical analyses were performed with the Friedman test.

CELLBOOSTER® HAIR

# BIOMETRIC EVALUATION RESULTS

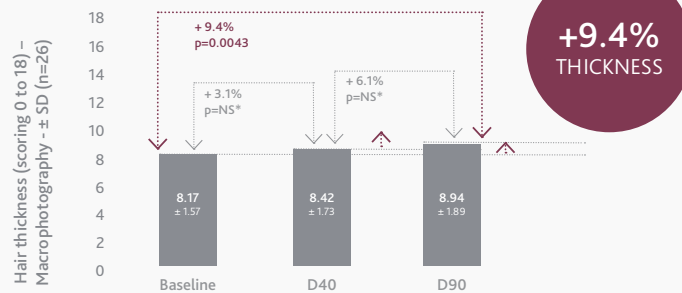
## 3 weeks after the injection protocol (6 treatments)

**CELLBOOSTER® Hair:**  
a confirmation of the  
improvement of hair  
thickness by Proscope  
X30



Macrophotography

Changes of hair thickness assessed by Proscope X30



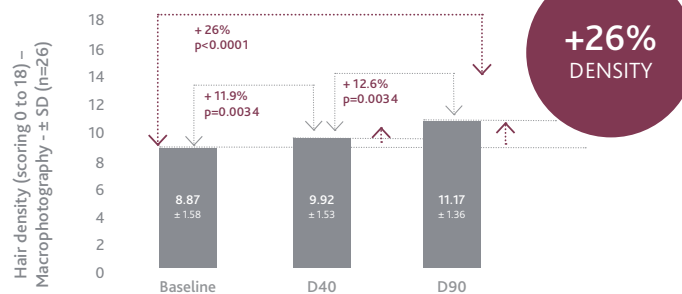
A biometric confirmation of hair THICKNESS improvement with CELLBOOSTER® Hair with a SIGNIFICANT benefit after a full protocol (6 injections)

**CELLBOOSTER® Hair:**  
for more density



Macrophotography  
(Proscope X30)

Changes of hair density assessed by Proscope X30



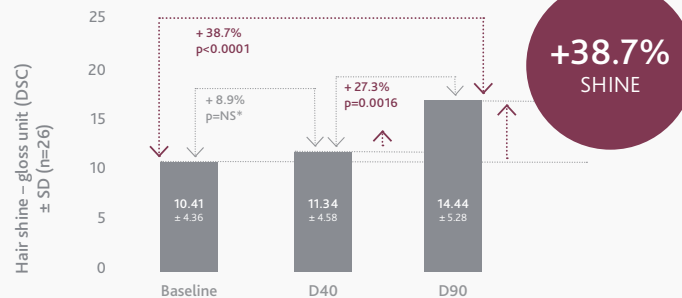
CELLBOOSTER® Hair for more DENSITY of the hair in all assessed areas (posterior & middle central line, vertex, occiput, left & right temple) with a SIGNIFICANT benefit after 3 injections and an even more pronounced effect after a full protocol (6 injections)

**CELLBOOSTER® Hair:**  
a confirmation of the  
improvement of hair  
shine by glossymeter



Biometric  
assessment  
(glossymeter)

Changes of hair shine assessed by glossymeter



A biometric confirmation of hair SHINE improvement with CELLBOOSTER® Hair with a SIGNIFICANT benefit after a full protocol (6 injections)

\* Not significant  
Statistical analyses were performed with the Friedman test.

## CELLBOOSTER® HAIR

A very high satisfaction of the subjects regarding the benefits of CELLBOOSTER® Hair

**96%**

"MY HAIR CONDITION IS GLOBALLY IMPROVED"

**88%**

"MY HAIR LOSS IS REDUCED"

**88%**

"MY HAIR IS DENSER"

**84%**

"MY HAIR IS THICKER"

**77%**

"MY HAIR IS SHINIER"

**65%**

"MY HAIR GROWTHS BACK FASTER"

*\*(% of patients who "completely agree" or "rather agree" on quality of their hair – answer gathered with a self questionnaire)*

D0



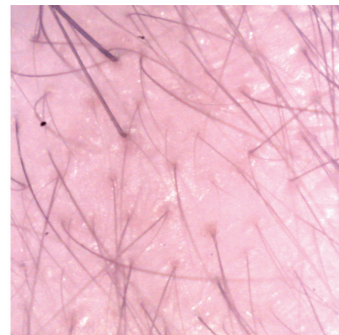
D40

D90



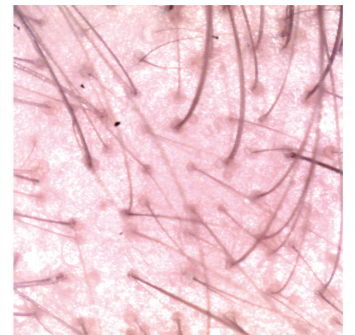
D90

D0



D0

D90



D90



CELLBOOSTER® CLINICAL EVIDENCE

## CELLBOOSTER® HAIR

A very high satisfaction of the subjects regarding the benefits of CELLBOOSTER® Hair

D0



D90



D0



D90



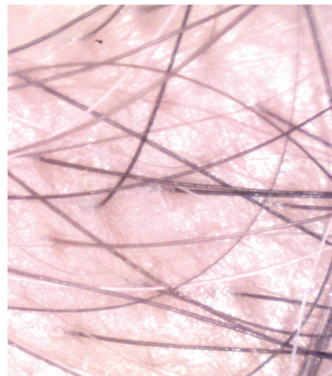
D0



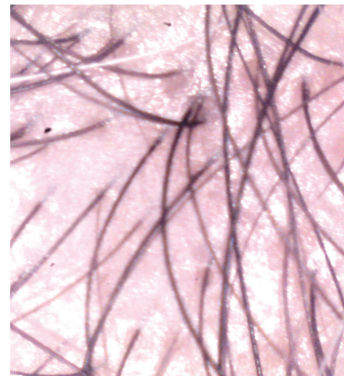
D90



D0



D90



# 88%

“I WOULD RECOMMEND  
THE TREATMENT  
TO MY FRIENDS”

CELLBOOSTER® CLINICAL EVIDENCE

CELLBOOSTER® HAIR

## CONCLUSION

Results 3 weeks after the injection protocol (6 treatments)

A strong clinical trial that allows 3 weeks after a 6 injections protocol to observe that CELLBOOSTER® Hair leads to:

Clinical evaluation

Biometric assessments

+37.5%  
THICKNESS

+9.4%  
THICKNESS

-54.9%  
LOSS

+26%  
DENSITY

+32.6%  
SHINE

+38.7%  
SHINE





## CONCLUSION

Results 3 weeks after the injection protocol (6 treatments)

### A very high patient satisfaction

9  
PATIENTS  
OUT OF 10

Found their hair at least improved to very much improved.

+88.4%

Find an improvement of the hair density.

+88.6%

Find a slow down in hair loss.

+84.7%

Find their hair thicker.

With a **dermatological tolerance** that was judged by the investigators as being **Excellent for the 26 patients.**

# CELLBOOSTER®

CELLBOOSTER® is a **Swiss made injectable**  
 Four unique stabilized complexes composed of



NO CHEMICAL  
 BINDING AGENTS

• SAFE & MAJOR SIDE EFFECT RISK  
 DIMINISHED



SLOW RELEASE OF  
 ACTIVE INGREDIENTS

• EFFECTIVE  
 RESULTS

## LIFT



- Moderate skin depressions, loss of firmness in facial tissues & contours
- Loss of skin tone & microcirculation
- Couperose, atrophic scars, post-acne, striae
- Dehydrated skin, fine lines, wrinkles

## GLOW



- Hyperpigmentation.
- Uneven skin tone
- Sun-damaged and environment compromised skin
- First sign of ageing, fine lines, wrinkles
- Dry skin.

### STABILIZED REJUVENATING COMPLEX

CHAC Technology

- HYALURONIC ACID 18mg (6mg/ml)
- Amino acids: ARGININE, GLYCINE, LYSINE, PROLINE, VALINE
- Vitamins: RIBOFLAVIN (B2), SODIUM ASCORBYL PHOSPHATE (C), TOCOPHEROL (E), BIOTIN

### STABILIZED REVITALIZING COMPLEX

CHAC Technology

- HYALURONIC ACID 18mg (6mg/ml)
- Amino acids: CYSTEINE, GLUTATHIONE, GLYCINE, LYSINE, PROLINE, VALINE
- Vitamins: SODIUM ASCORBYL PHOSPHATE (C), BIOTIN

Intensive course:



3 treatments with 2-3 weeks interval


Support course:



1 treatment per month

# CELLBOOSTER® AT A GLANCE

Cell booster (Class III Medical Device).  
 Contains a combination of hyaluronic acid, amino acids, and vitamins:

<ul style="list-style-type: none"> <li>• EFFECTIVE &amp; LONG-LASTING RESULTS</li> </ul>	 <p>UNIQUE COMPLEX INGREDIENTS COMBINATION</p>	<ul style="list-style-type: none"> <li>• COVERS MULTIPLE INDICATIONS WITH ONE PRODUCT</li> <li>• CELLBOOSTER® PRODUCTS CAN BE COMBINED IN THE SAME TREATMENT</li> </ul>
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## SHAPE



- Local fat accumulation
- Double chin
- Cellulite
- Puffiness, edema
- Cheeks & eye bags
- Sagging skin

## HAIR



- Non cicatricial alopecia
- Alopecia areata
- Damaged hair shaft (brittle, dull color, split ends)
- Premature graying
- Seborrhea, psoriasis

### STABILIZED RESHAPING COMPLEX

CHAC Technology

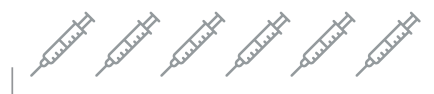
- HYALURONIC ACID 18mg (6mg/ml)
- Amino acids: L-CARNITINE
- Vitamins: SODIUM ASCORBYL PHOSPHATE (C)

### STABILIZED STRENGTHENING COMPLEX

CHAC Technology

- HYALURONIC ACID 18mg (6mg/ml)
- Amino acids: ARGININE, CYSTEINE, GLUTAMINE, GLYCINE, LYSINE
- Vitamins: NIACIN, PANTOTHENIC ACID (B5), PYRIDOXINE (B6), BIOTIN (B7), CYANOCOBALAMIN (B12), RUTIN
- Copper Gluconate, Zinc carbonate

Intensive course:



6 treatments with 2-3 weeks interval

Support course:



1 treatment per month



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