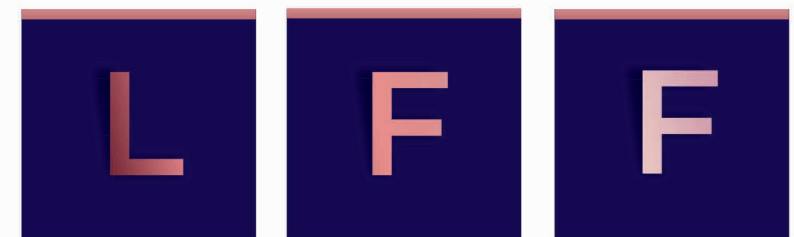
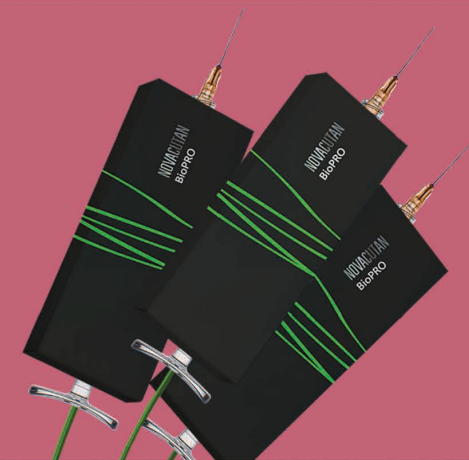


# NOVACUTAN

**INTERACTIVE PROFESSIONAL GUIDE**

THE NEW ERA OF INJECTABLE ANTI-AGE PRODUCTS

NOVACUTAN  
BioPRO



LABORATOIRES FIJIE FRANCE

FILLER MASKS

NM



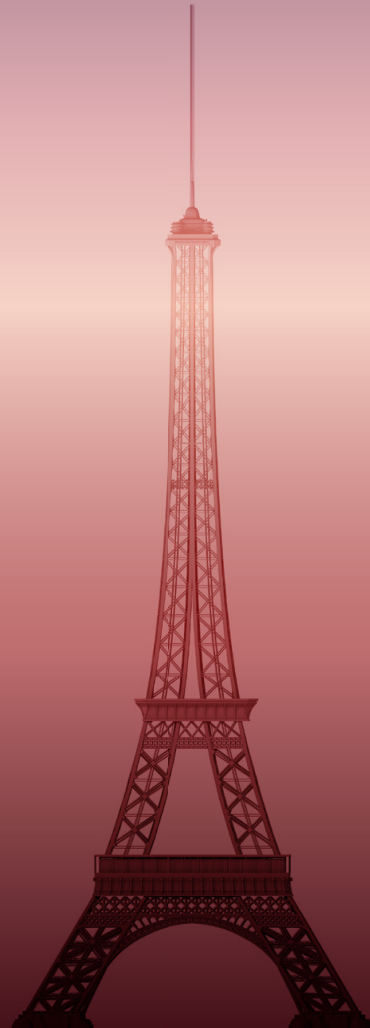


LABORATOIRES FIJIE FRANCE

presents

# LONG-TERM ANTI-AGE PROGRAM WITH NOVACUTAN

Gold Sponsor at  
IMCAS  
World Congress  
Paris, France



ROOM  
TERNES - LEVEL 1



27<sup>TH</sup> JANUARY 2023  
14.00 – 15.30

**New approach in Anti-Aging:  
Matrix Biomodulator  
and Active Fillers**



DR. MARINA LANDAU

**Technology 3\* DVS:  
BioIntelligence and  
Contour of Youth Fillers**



DR. HENRY DELMAR

**Aging signs.  
Matrix Biomodulator.  
3 steps of tissue lifting**



DR. ZAREMA GAZITAEVA

@novacutan.global fjielab.com

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| • TECHNOLOGY<br>• RESEARCH<br>• PROTOCOLS                          |    |
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# WORLD BRAND CONCEPT



Laboratoires Fijie France, using innovative approaches to the development of new formulas, presented a line of injectable anti-age products:

- **MATRIX ACTIVE FILLERS NOVACUTAN FBIO DVS**  
(LIGHT, MEDIUM, VOLUME)
- **MATRIX BIOMODULATOR NOVACUTAN BIOPRO**
- **MASKS NOVACUTAN FULL FACE FILLER MASK  
AND EYE FILLER MASK**

Our story is about a unique international cooperation to create a fundamentally new product for aesthetic medicine. It wasn't a discovery. Miracles do not happen, although we all strive to create them.

This creation is based on the vast experience of our colleagues and employees, who have been working with injection revitalizants of different generations, compositions and purposes for many years. Diligently analyzing this work, they evaluated its results, identified features, tracked patterns.

After we had received and formulated a request from physicians from different countries, we decided to create an integral product that can demonstrate greater clinical efficacy, while maintaining the safety of revitalizants. For this purpose, a research cluster was established in France. Leading scientists and physicians from different countries united under its auspices.

We asked the scientific community to increase the rejuvenating efficacy of injection revitalization. We had turned to an international team of pharmaceutical technologists from France and Korea, which developed several formulas. Today we proudly announce the creation of NOVACUTAN.

Rapidly increasing demand among both specialists and patients indicates first of all the high effectiveness of the products.

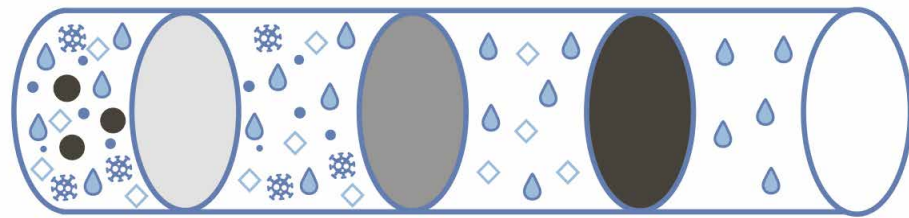
The high efficacy and rejuvenating effect fundamentally distinguishes NOVACUTAN from other products and allows you to achieve a long-lasting result in a short time.

Using the NOVACUTAN Anti-Aging Line, experts are confident in the safety proven by numerous laboratory and clinical studies.

The cycle of further research, development and clinical trials has not completed. Follow the news of Laboratoires FIJIE and be on trend.

## TECHNOLOGY AND UNIQUENESS OF NOVACUTAN SYSTEM

### 1. AMPHIPHILIC PURIFICATION



Manufacturing of the purest and safe products with multi-stage purification technology:

#### 1<sup>ST</sup> STAGE

Purifying through the polymer filter to clean from hydrophobic substance

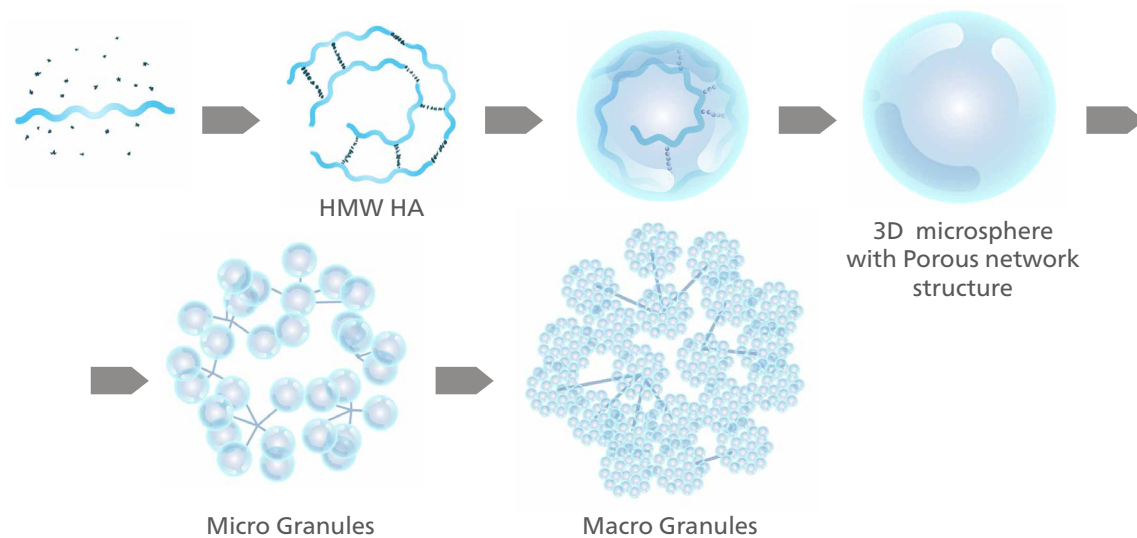
#### 2<sup>ND</sup> STAGE

Selective purifying from hydrophilic substance by using polymer filter

#### 3<sup>RD</sup> STAGE

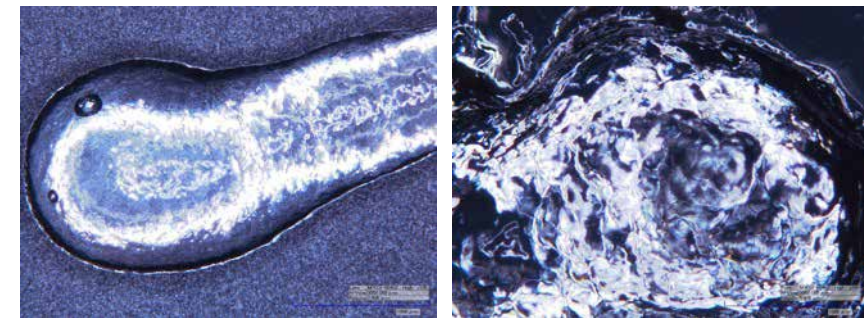
Several times repeating first two steps to receive purified HA from all ballasted substances

### 2. 3D MICROSPHERES BY HMW HA



### 3. MICROSCOPY OF GEL

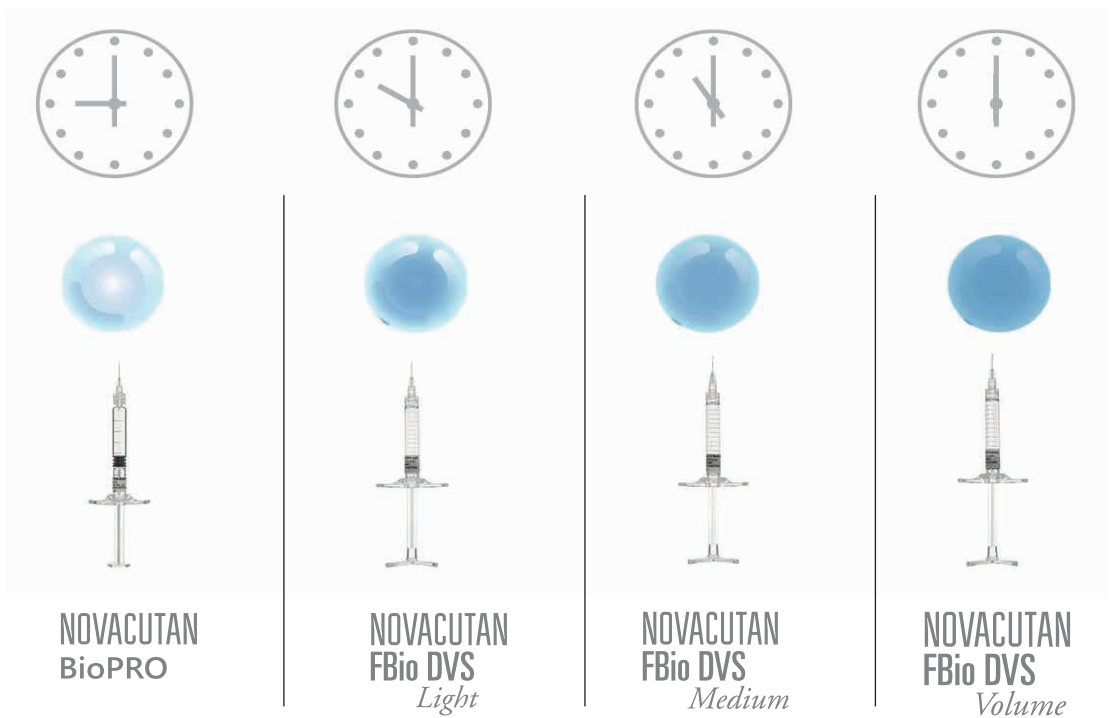
Description: The "porous" nature of the structured elements of the Novacutan FBIO DVS gel



Department of Pharmacy  
Faculty of Medicine  
and Biology  
FSAO IN RNIMU  
named after  
N.I. Pirogov

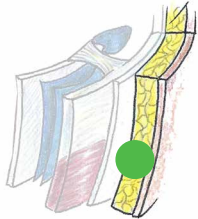
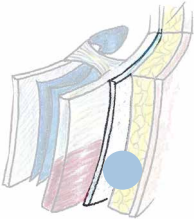
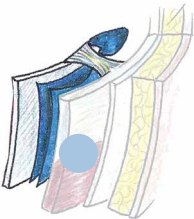
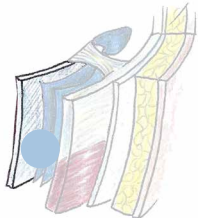
The pictures were  
taken on  
Hirox KH-7700 digital  
microscope

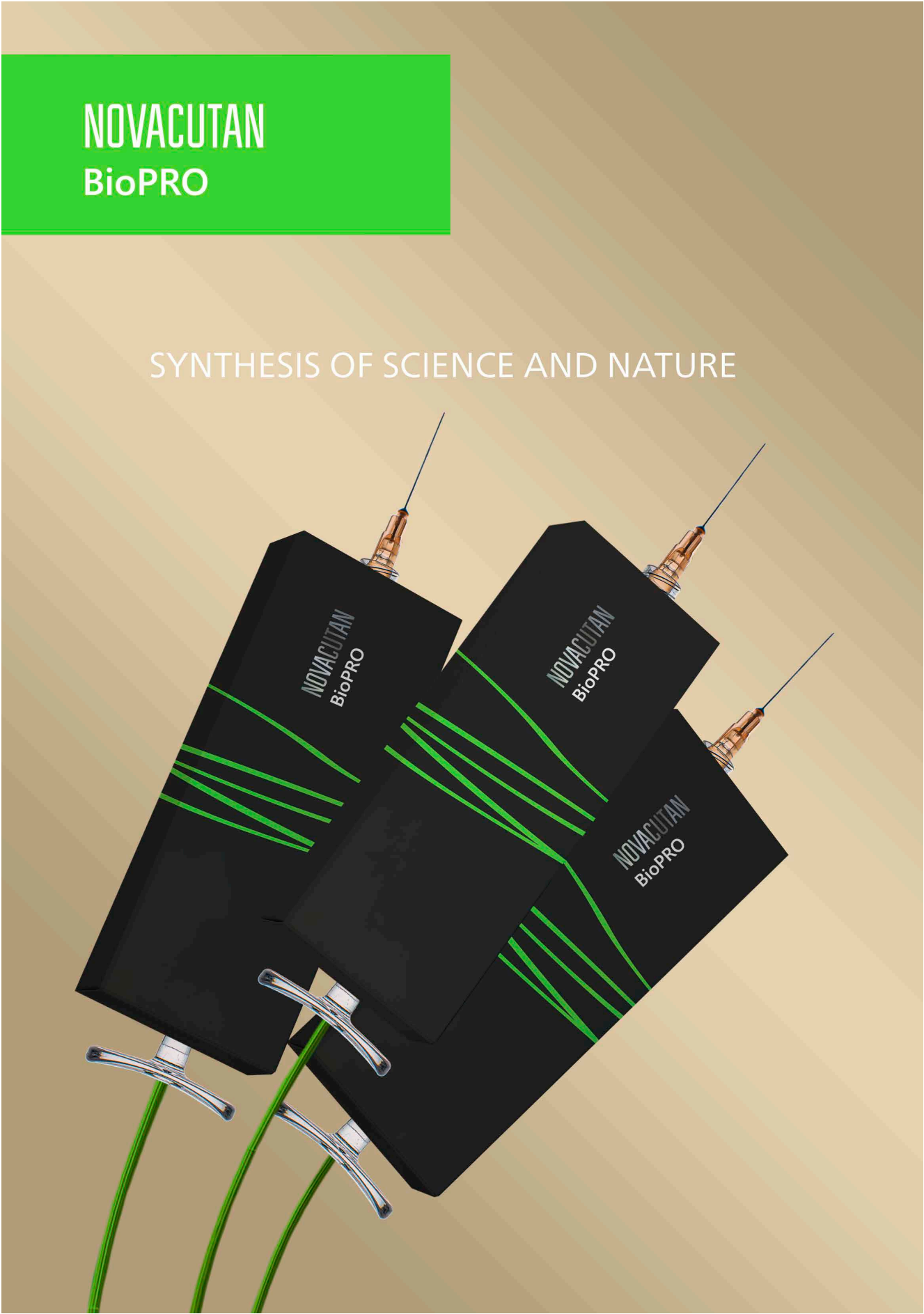
### 4. MATRIX ACTIVE PRODUCTS





NOVACUTAN INJECTABLE SYSTEM

|                       | PRODUCT                   | CONTENTS:   | LAYER:  | INDICATION:           |
|-----------------------|---------------------------|---|---|-----------------------|
| MATRIX BIOMODULATOR   | NOVACUTAN BioPRO          | 20 mg/ml<br>2,0ml x 1 syringe<br>31G 13 mm<br>2 needles |    | SKIN REJUVENATION     |
| MATRIX ACTIVE FILLERS | NOVACUTAN FBio DVS Light  | 20 mg/ml<br>1,0ml x 1 syringe<br>30G 13 mm<br>2 needles |   | FINE LINES & WRINKLES |
|                       | NOVACUTAN FBio DVS Medium | 20 mg/ml<br>1,0ml x 1 syringe<br>27G 13 mm<br>2 needles |  | SHAPING & CONTOURING  |
|                       | NOVACUTAN FBio DVS Volume | 20 mg/ml<br>1,0ml x 1 syringe<br>25G 13 mm<br>2 needles |  | VOLUMIZING            |

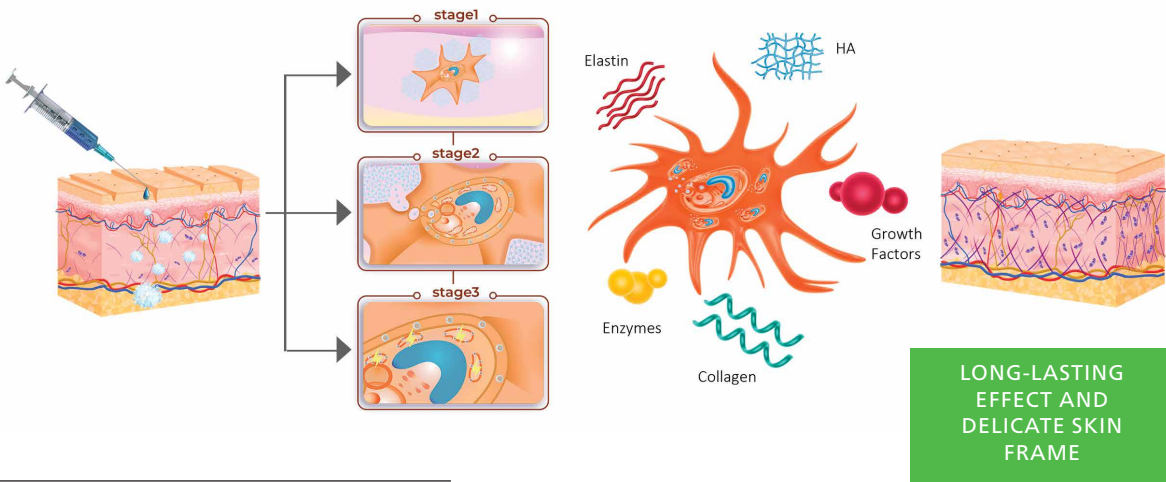


# MATRIX BIOMODULATOR

- DELICATE COMPENSATION OF MISSING VOLUME
- SIGNIFICANT IMPROVEMENT OF DERMAL STRUCTURE
- HYDRATION AND CORRECTION OF AGE-RELATED SKIN CHANGES

## MECHANISM OF ACTION NOVACUTAN BIOPRO

### 3 STAGES LIFTING



## CLINICAL TRIAL NOVACUTAN BIOPRO

### 2 PROTOCOLS:

#### V\_LIFT

- linear retrograde technique
- subdermal
- cannula 22G-70mm/ 50mm

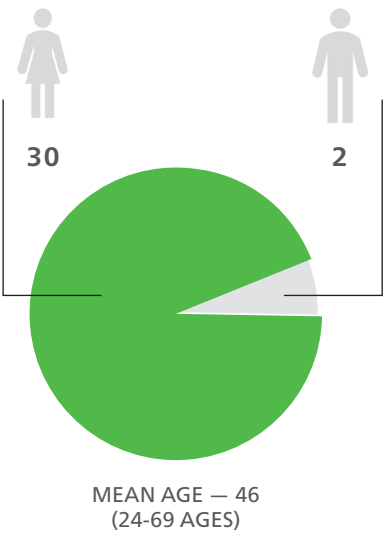
#### D\_LIFT

- bolus technique
- subdermal
- needle 31G-13mm

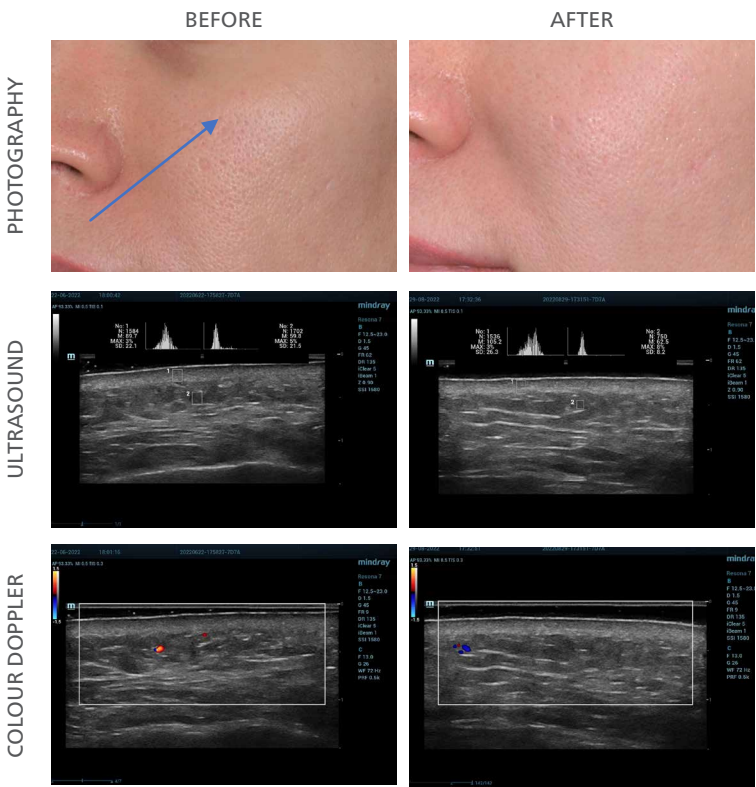
- 3 PROCEDURES, INTERVAL 3-4 WEEKS
- 2ml PER FACE

### METHODS :

Clinical photos    Ultrasound    Antera 3D



## ULTRASOUND EXAMINATION



**CHEEKBONE AREA**

Mindry Resona 7  
Ultra high-frequency probe  
(12,5 – 23 mH)  
Standard technical settings  
(Gain 45, DR 135)  
Depth of scanning — 1,5cm

**RESULT:**  
Increased echogenicity of the derma without changing thickness (indirectly indicates an increase in collagen content) and decreased blood flow (a sign of decreased tissue reactivity).

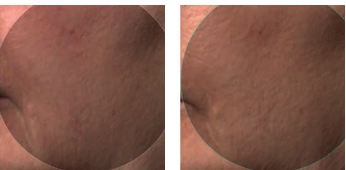


ANTERA 3D EXAMINATION

Antera 3D — the skin 3D imaging device for measurement precision and versatility providing follow-up results:

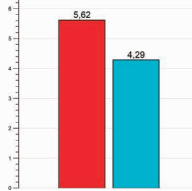


COLOR IMAGE

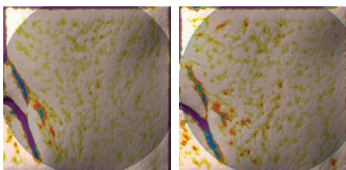


Patient X  
22.06.2022  
Patient X after  
treatment 29.08.2022  
Variation = 5,6  
Variation = 4,3

OVERALL COLOR VARIATION

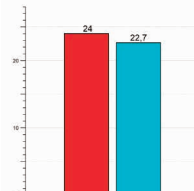


WRINKLES: AVERAGE (0,1–2MM)

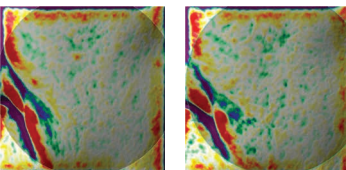


Patient X  
22.06.2022  
Patient X after  
treatment 29.08.2022  
Depression index = 24, 026  
Depression index = 22, 673

INDENTATION INDEX UNDER 2,0MM OF LATERAL SIZE

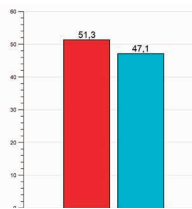


TEXTURE: LARGE (0,1–3MM)

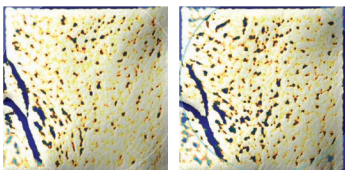


Patient X  
22.06.2022  
Patient X after  
treatment 29.08.2022  
Roughness (3,0mm) = 51,332  
Roughness (3,0mm) = 47,135

ROUGHNESS UNDER 3,0MM OF LATERAL SIZE

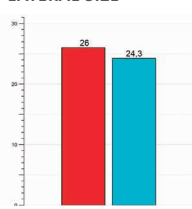


PORES: LARGE (0,1–1,5MM)

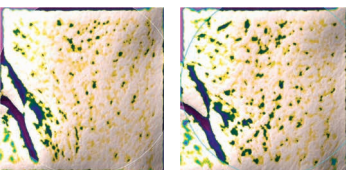


Patient X  
22.06.2022  
Patient X after  
treatment 29.08.2022  
Volume = 26,02mm³  
Volume = 24,25mm³

VOLUME OF PORES (MM³) 1,5MM OF LATERAL SIZE

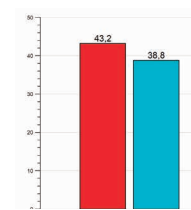


DEPRESSIONS: AVERAGE (0,1–2MM)

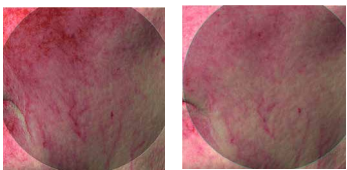


Patient X  
22.06.2022  
Patient X after  
treatment 29.08.2022  
Volume = 43,21mm³  
Volume = 38,79mm³

VOLUME OF DEPRESSIONS (MM³) UNDER 2,0MM OF LATERAL SIZE

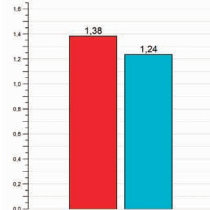


HAEMOGLOBIN



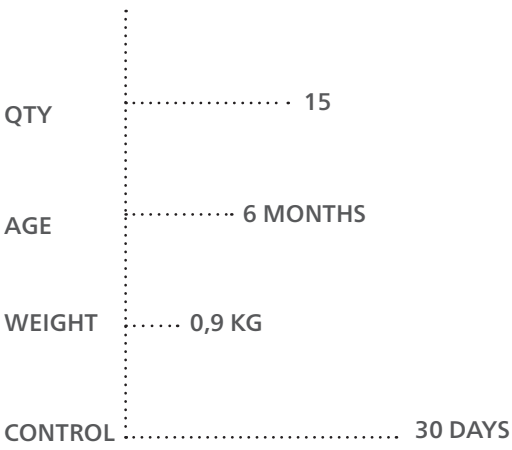
Patient X  
22.06.2022  
Patient X after  
treatment 29.08.2022  
General Level = 1,384  
Deviation = 0,283  
General Level = 1,237  
Deviation = 0,168

HAEMOGLOBIN: AVERAGE VELEL

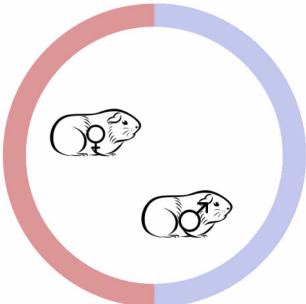


**RESULT:**  
Reduction of amount, size and depth of wrinkles and pores, even complexion, regular texture.

Tissue respond on intradermal injection low stabilization HA implant Novacutan BioPro



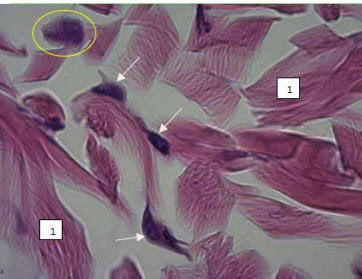
GUINEAN PIG  
INJECTION AREA:  
WITHERS



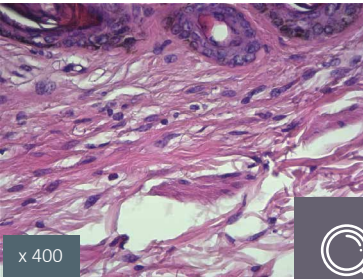
Digital microscopy Jenamed-2 & MicroScreen, Micromorphometric study with statistics software ImageScope 4.0

RETICULAR LAYER

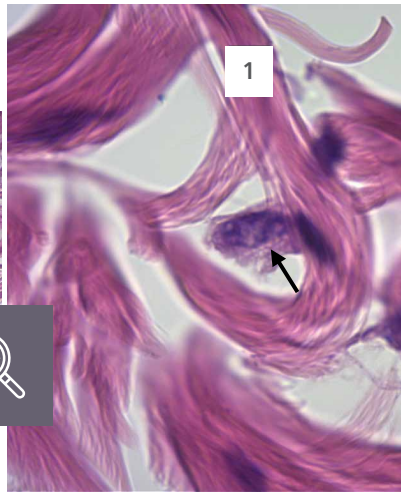
CONTROL



Fibrocytes (white arrows),  
Macrophage (yellow circle),  
1 – bundles of collagen fibers.  
Hematoxylin and eosin, x1000



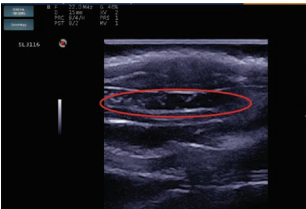
Active fibroblasts (black arrows) in papillary dermis among bundles of collagen fibers (1) with very compact arrangement.  
Hematoxylin and eosin, x1000



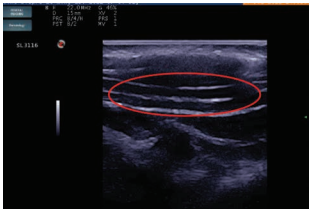
BIOFERMENTATION NOVACUTAN BIOPRO



BioPro Right after injection



BioPro after 5 minutes after Hyaluronidase injection



BioPro after 13 minutes after Hyaluronidase injection

VIDEO

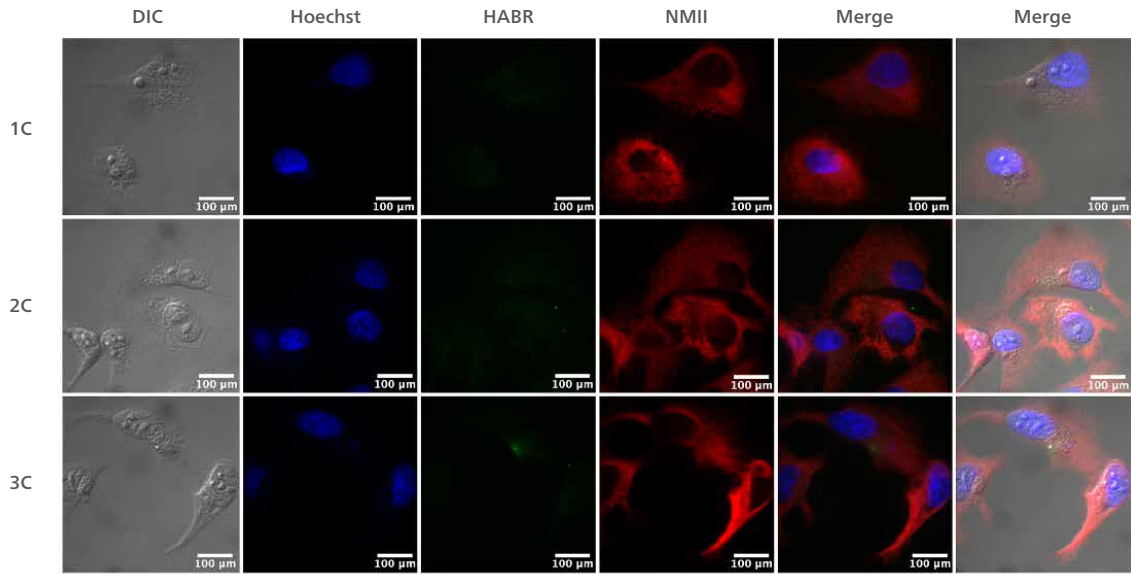




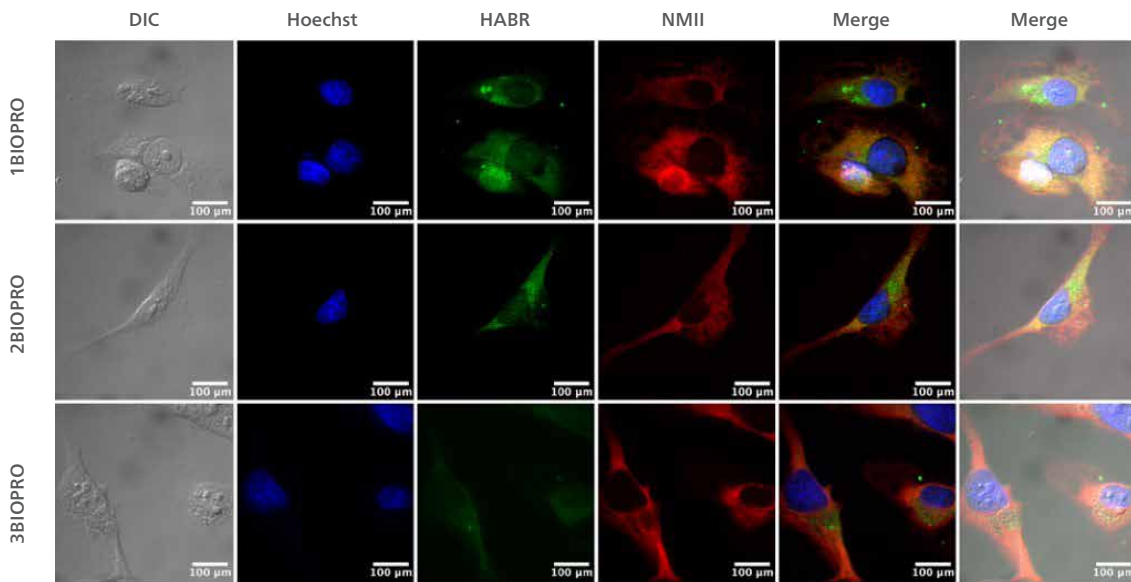
EVALUATION OF THE PERMEABILITY OF NOVACUTAN BIOPRO INTO FIBROBLAST CELLS

Federal State Budgetary Institution of Science Center for Theoretical Problems of Physico-Chemical Pharmacology of the Russian Academy of Sciences (CCP CTP FHF RAS) Head of Research: Sveshnikova A.N

CONTROL



FIBROBLASTS INCUBATED IN NOVACUTAN BIOPRO SOLUTION (3 VISUAL FIELDS) (3 HOURS AFTER ADDING NOVACUTAN BIOPRO TO CELLS)



HABP = Hyaluronic Acid Binding Protein | Hoechst = Blue fluorescent DNA stain | NMII = non-muscular myosin type 2 for the identification of fibroblasts | DIC – differential interference contrast microscopy | MERGE – All stains together

PROTOCOLS:

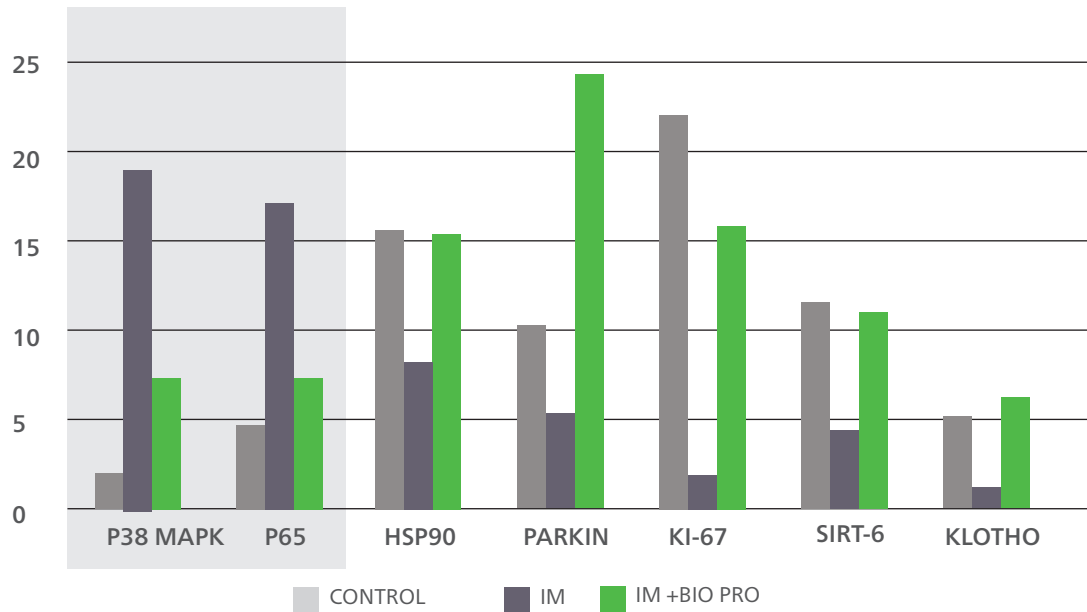
MATERIALS: Primary Dermal Fibroblast; Normal, Human, Adult (32y.o.).

METHODS: Staining of human fibroblast culture preparations: by immunocytochemical method Confocal Microscope Zeiss Axios Observer Z1 Zoom x1000

RESULT:

The penetration of the HA into the cells was observed in a 3 hours after adding Novacutan BioPro into the culture of the fibroblasts (in comparison to the control group).

SCIENTIFIC RESEARCH



MARKERS

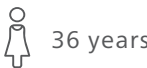
|          |  |
|----------|--|
| P38 MAPK | Mitogen + activated protein kinase   |
| P65      | Integral Marker of Apoptos (Programmed Cell Death)   |
| HSP90    | Heat Shock Protein 90  |
| PARKIN   | Mitochondrial Protein, Forms the Preservation of Mitochondrial Membrane and Prevents Mitochondrial Aging |
| KI-67    | Integral Marker of Cell Proliferation  |
| SIRT-6   | Powerful Endogenous Geroprotector  |
| KLOTHO   | Protein Regulating Cell Aging  |

Novacutan BioPro has a significant dermogeroprotective and moisture-stabilizing effect, activating Anti-Inflamaging at the cellular level

D-LIFT PROTOCOL

NOVACUTAN  
BioPRO

- DELICATE SKIN FRAME
- SOFT TISSUE LIFTING
- SIGNIFICANT IMPROVEMENT OF SKIN FIRMNESS
- DELICATE VOLUME RESTORATION
- SMOOTH TEXTURE
- LONG-LASTING HYDRATION AND CORRECTION OF AGING SKIN SIGNS



36 years



Course: 3 procedures

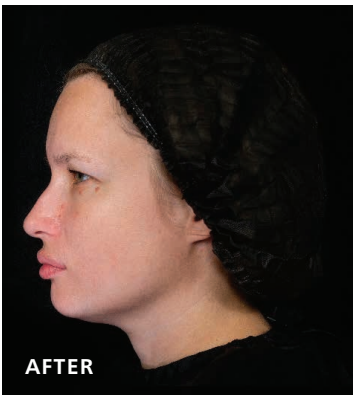


Interval: 3-4 weeks

Technique: bolus  
Depth: subdermal  
Needle: 30G



BEFORE



AFTER

VIDEO



RESULT:

- LIFTING EFFECT
- WELL HYDRATED, RADIANT SKIN
- NO IMPERFECTIONS
- SMOOTH TEXTURE

V-LIFT PROTOCOL

NOVACUTAN  
BioPRO

- LONG-LASTING EFFECT DUE TO THE LIGHT CROSS-LINKING OF HYALURONIC ACID
- UNIQUE ABILITY TO PENETRATE INTO THE CELLS INCREASING ITS' ACTIVITY
- ADDITIONAL SOURCE OF POWER FOR THE CELLS



62 years



Course: 3 procedures



Interval: 3-4 weeks

Technique: fanning  
Depth: subdermal  
Cannula: 22G\*50mm



BEFORE



AFTER

VIDEO



RESULT:

- LIFTING EFFECT
- WELL HYDRATED
- EVEN COMPLEXION
- NO IRRITATION, SMOOTH TEXTURE

# NOVACUTAN FBio DVS

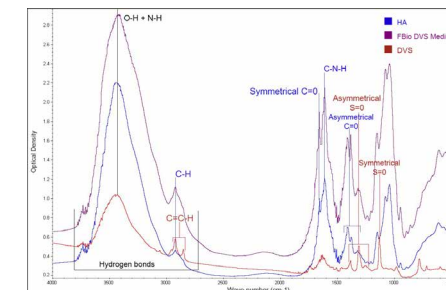


## MATRIX ACTIVE FILLERS

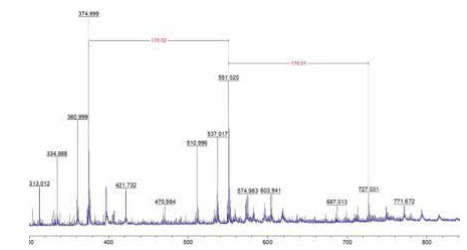
- 3\* DESIGN VISUAL SYSTEM TECHNOLOGY—3 PHASES CROSS-LINKING HA
- MATRIX ACTIVE FILLER — INTERACTION WITH MATRIX
- SHAPE OF YOUTH — HIGH COHESIVITY AND VISCOSITY
- LONG-LASTING EFFECT — STEP-BY-STEP BIODEGRADATION
- AMPHIPHILIC MULTISTAGE PURIFICATION TECHNOLOGY

### MOLECULAR STRUCTURE OF THE GEL

In the chemical structure of Novacutan FBio DVS, the cross-link agent is completely bound to HA. There are no free and partially cross-linked molecules.

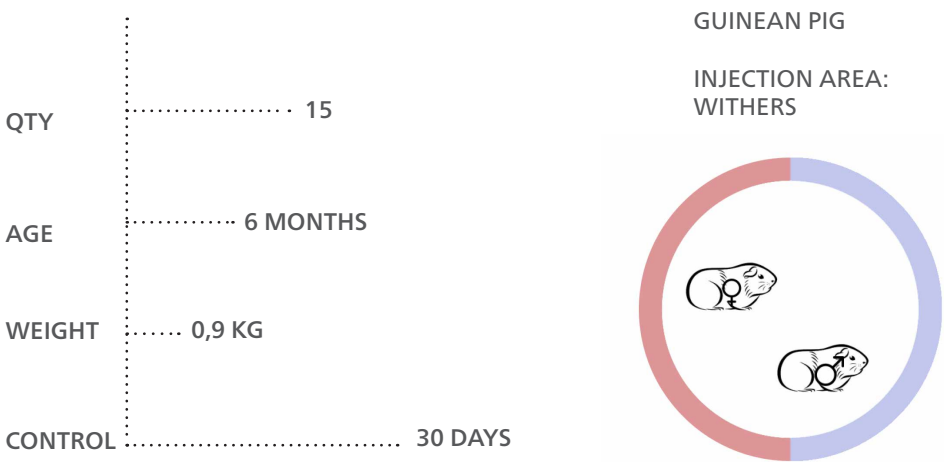


FOURIER TRANSFORM INFRARED  
SPECTROSCOPY



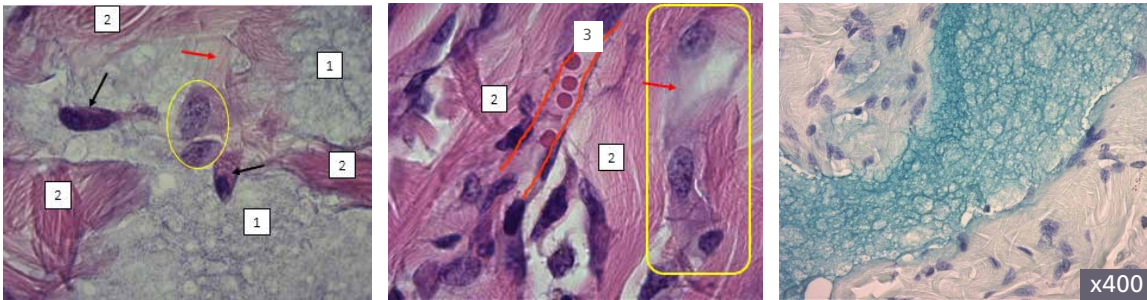


Tissue respond on intradermal injection of stabilization  
HA implant Novacutan FBio DVS Medium



Digital microscopy Jenamed-2 & MicroScreen, Micromorphometric study with statistics software ImageScope 4.0

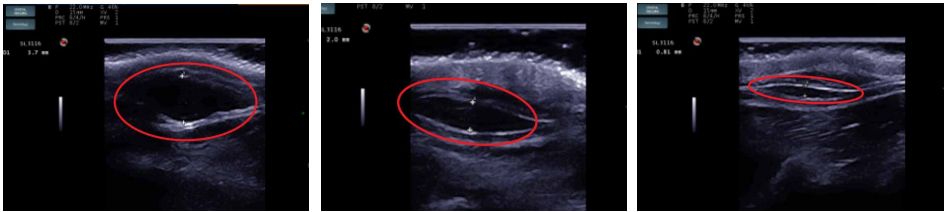
RESULTS IN 30 DAYS



Active fibroblasts (yellow frame); new collagen fibers (red arrows); macrophages (black arrows)  
1 – Novacutan FBio DVS Medium; 2 – bundles of collagen fibers, 3 – capillary  
Hematoxylin and eosin, x1000.

1 – Novacutan FBio DVS Medium (green)  
Active fibroblasts and macrophages (black arrows)  
Alcian blue

BIOFERMENTATION NOVACUTAN DVS



Novacutan FBio DVS Volume

10 minutes after injection of hyaluronidase 0.1ml (150 IU)

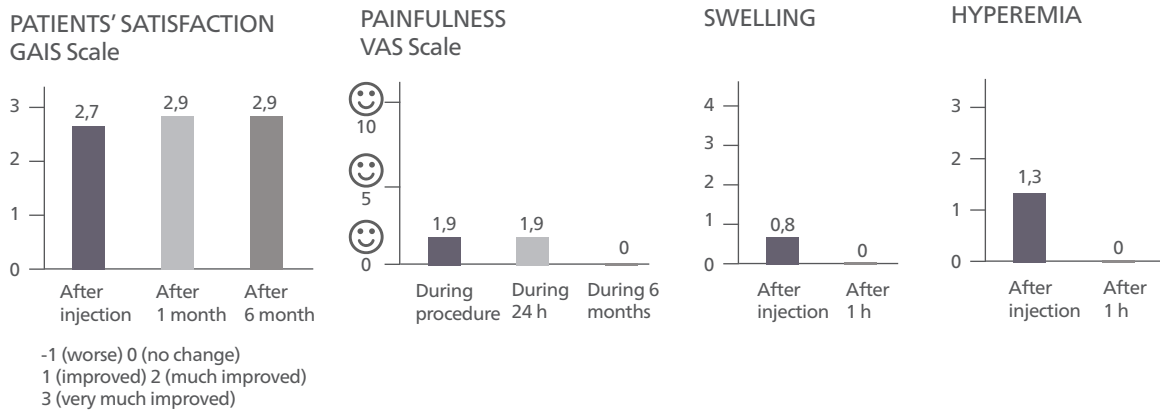
60 minutes after injection of hyaluronidase 0.1ml (150 IU)

VIDEO



Ultrasound diagnostic by Dr. Yu. Ivanovskaya

CLINICAL RESEARCH (PMCR) FBIO DVS



ULTRASOUND EXAMINATION

BUCCAL AREA



NASOLABIAL FOLD



ANGLE OF MANDIBULE



RESULT:  
Novacutan FBioDVS is visualized subdermally in the right place after injection as well-defined regular round hypoechoic deposits with clear rough boundary, homogeneous echogenicity.



INNOVATIVE FILLERS NOVACUTAN FBIO BASED ON 3 DESIGN  
VISUAL SYSTEM TECHNOLOGY SHOW HIGH PURITY, SAFETY  
AND FULL ADAPTABILITY TO SOFT TISSUES

|                  |  |  |  |
|------------------|--|--|--|
|                  | <i>Light</i>   | <i>Medium</i>  | <i>Volume</i>  |
|                  |  |  |  |
| INDICATIONS      | FINE LINES AND WRINKLES CORRECTION   | SHAPING & CONTOURING   | VOLUMIZING   |
| CORRECTION AREAS | <ul style="list-style-type: none"><li>• Forehead Wrinkles</li><li>• Crow's feet</li><li>• Nasolacrimal sulcus</li><li>• Lips</li><li>• Perioral (Barcode lines)</li><li>• Neck</li></ul> | <ul style="list-style-type: none"><li>• Temporal area</li><li>• Cheekbones</li><li>• Nasolabial fold</li><li>• Marionette lines</li><li>• Lips</li></ul> | <ul style="list-style-type: none"><li>• Cheekbones</li><li>• Chin</li><li>• Jawline</li><li>• Angle of Mandibula</li></ul> |

FULL FACE CORRECTION

NOVACUTAN  
FBio DVS



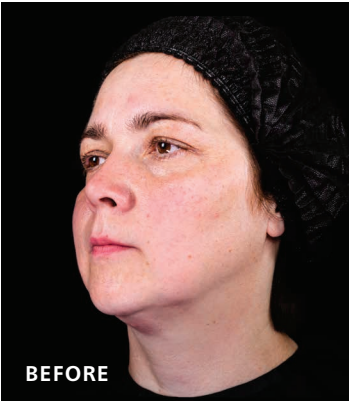
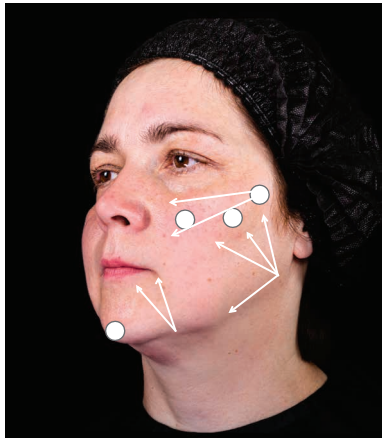
45 years



Technique: bolus  
Depth: supraperiosteal  
Needle: 27G–13mm

Technique: vector  
Depth: hypodermis  
Cannula: 22G–70mm

Correction area:  
• cheekbone  
• infraorbital  
• mandibular angle



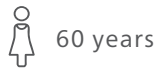
NOVACUTAN FBIO DVS VOLUME — 1,0ml ○  
NOVACUTAN FBIO DVS MEDIUM — 2,0ml →

PROBLEMS:  
SAD AND TIRED LOOK, IRREGULAR JAW LINE

RESULT:  
• LIFTING EFFECT  
• POSITIVE APPEARANCE  
• LOOKS YOUNGER

FULL FACE CORRECTION

NOVACUTAN  
FBio DVS



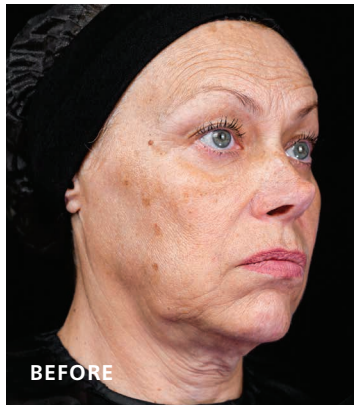
60 years



Technique: bolus  
Depth: Supraperiosteal  
Needle: 27G –13mm

Technique: vector  
Depth: hypodermis  
Cannula: 22G –70mm

Correction area:  
• cheekbone  
• infraorbital  
• mandibular angle



NOVACUTAN FBIO DVS VOLUME — 1,0ml ○  
NOVACUTAN FBIO DVS MEDIUM — 1,0ml →

**PROBLEMS:**  
SAD LOOK, IRREGULAR JAW LINE, PTOSIS, MARIONETTE LINES AND NLF

**RESULT:**

- LIFTING EFFECT
- POSITIVE APPEARANCE
- LESS PTOSIS

NECK CORRECTION

NOVACUTAN  
FBio DVS

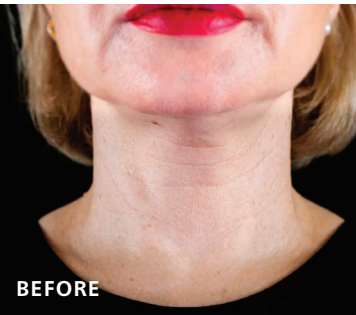
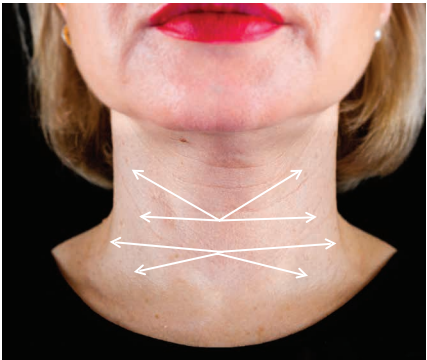


48 years

Fanning technique  
Depth: subdermal



Cannula:  
22G – 50mm



NOVACUTAN FBIO DVS LIGHT — 1,0ml

HANDS CORRECTION

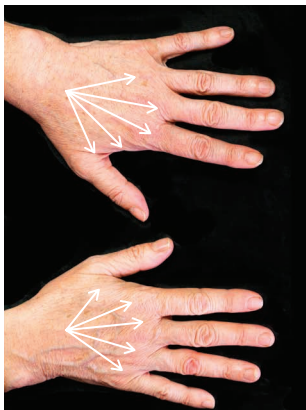


53 years

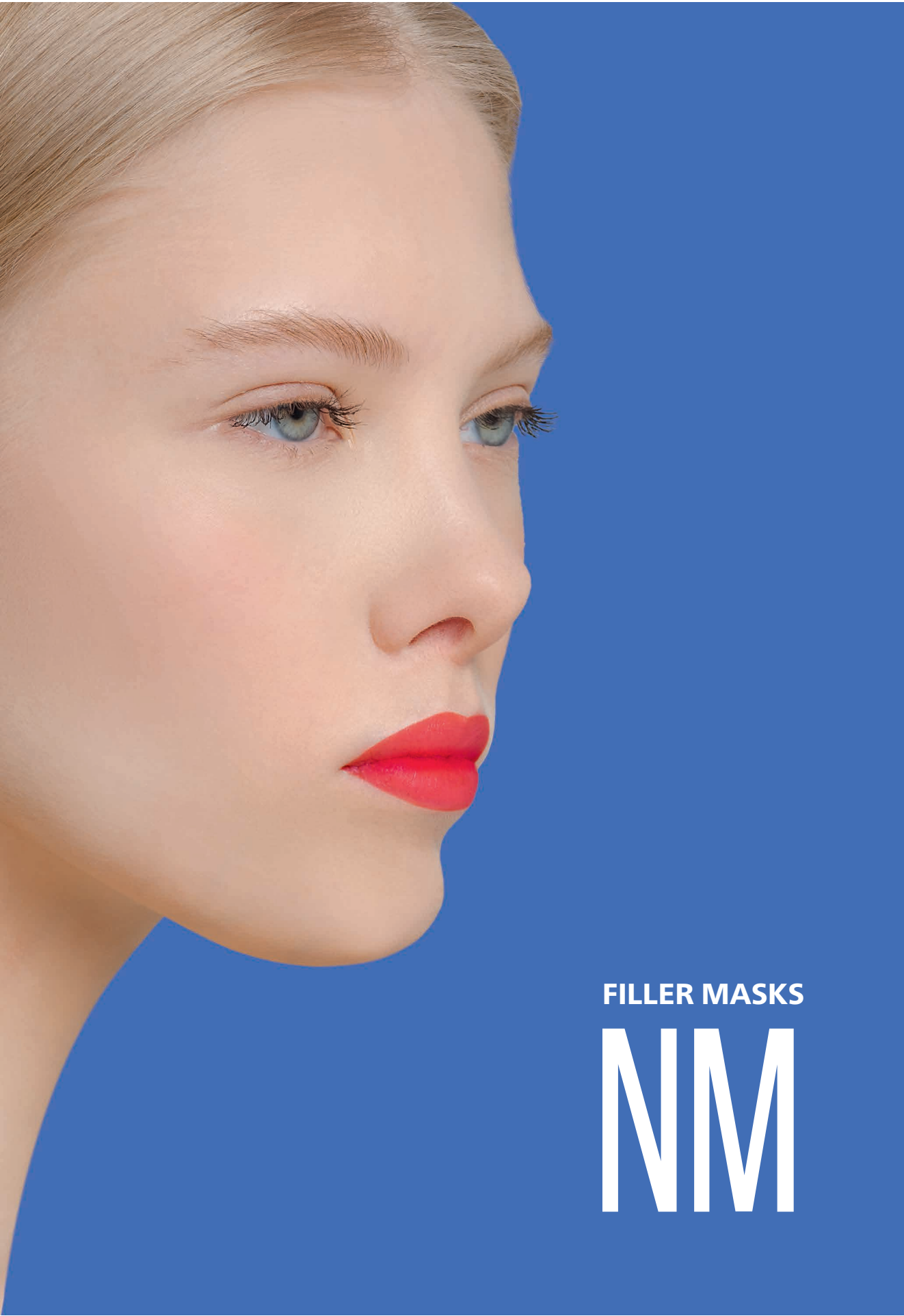
Fanning technique  
Depth: subdermal



Cannula:  
22G – 50mm



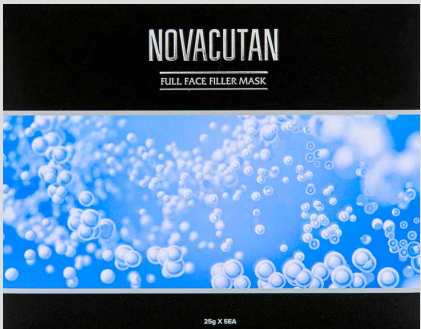
NOVACUTAN FBIO DVS LIGHT — 2,0ml



AFTER TREATMENT

HIGH TECHNOLOGY AND SYSTEMATIC  
APPROACH FOR YOUTH AND BEAUTY  
OF YOUR SKIN

The filler masks of the instant action makes away with all the marks of fatigue and revives your beauty. A special complex of hyaluronic acid, sublimated collagen, active peptides and natural vegetable extracts effects on the skin cells by caring about the skin deeply and intentionally, face lifting, strengthening the contours, filling the wrinkles, restoring the water balance of the skin.

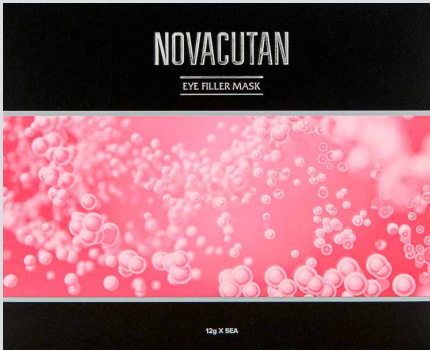


FULL FACE FILLER MASK

Novacutan Full Face Filler Mask is a cosmetic face skin care product that nourishes and hydrates the skin, instantly fills expression lines, has a lifting effect, improves skin firmness and elasticity, makes skin healthy and radiant, provides skin recovery after stress and long flights.

45 min

Nominal weight: 125g (5pcs x 25g)



EYE FILLER MASK

Novacutan Eye Filler Mask is a cosmetic eye skin care product that nourishes and hydrates the skin, instantly fills expression lines, has a lifting effect, improves skin firmness and elasticity, fights signs of fatigue, makes skin healthy and radiant. Guaranteed instant result after the first use.

40 min

Nominal weight: 60g (5pcs x 12g)

## NOTES

[illegible]



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[@novacutan.global](mailto:@novacutan.global)