



Density Platelet Gel



The Newest
Revitalizing Technique

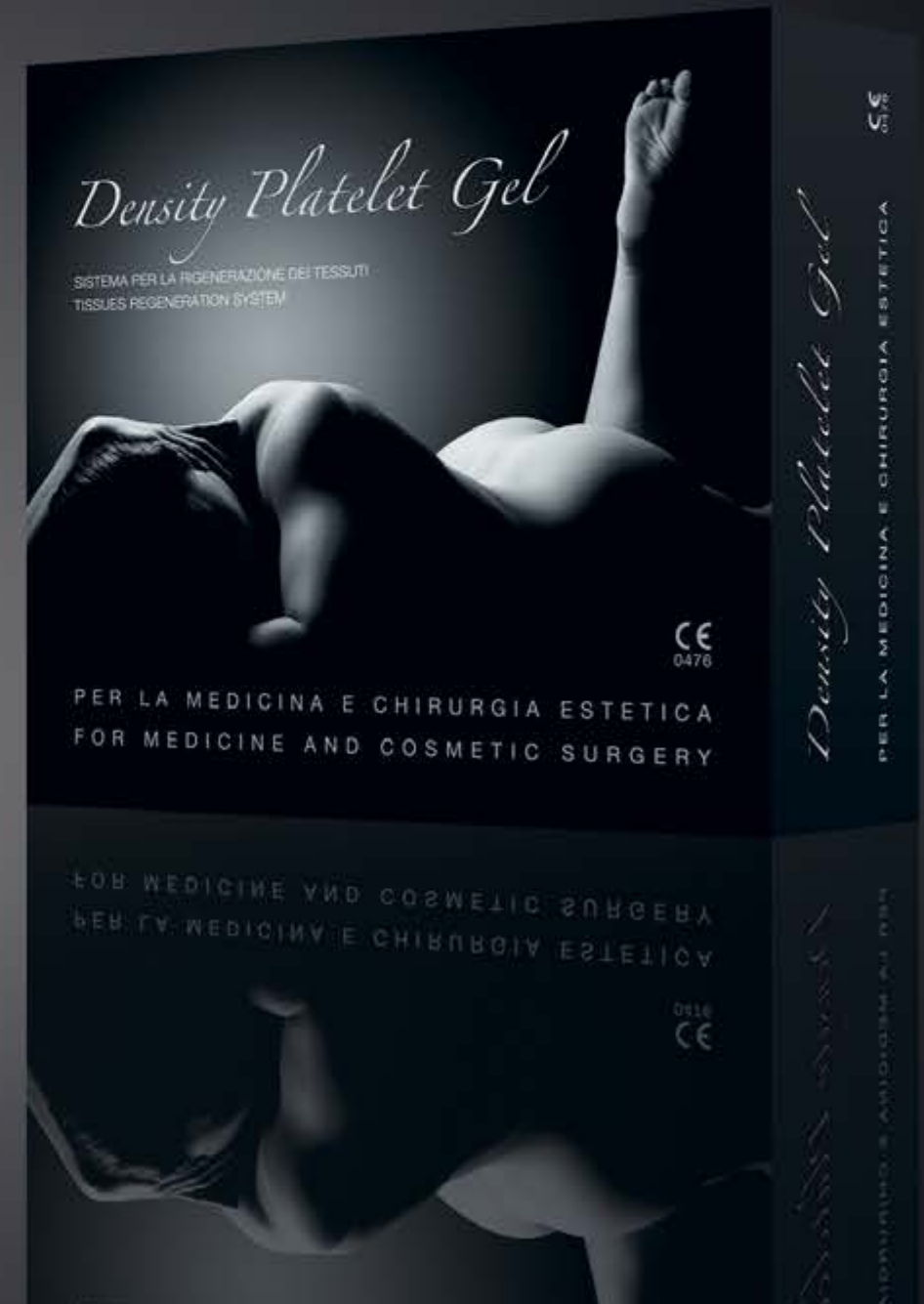
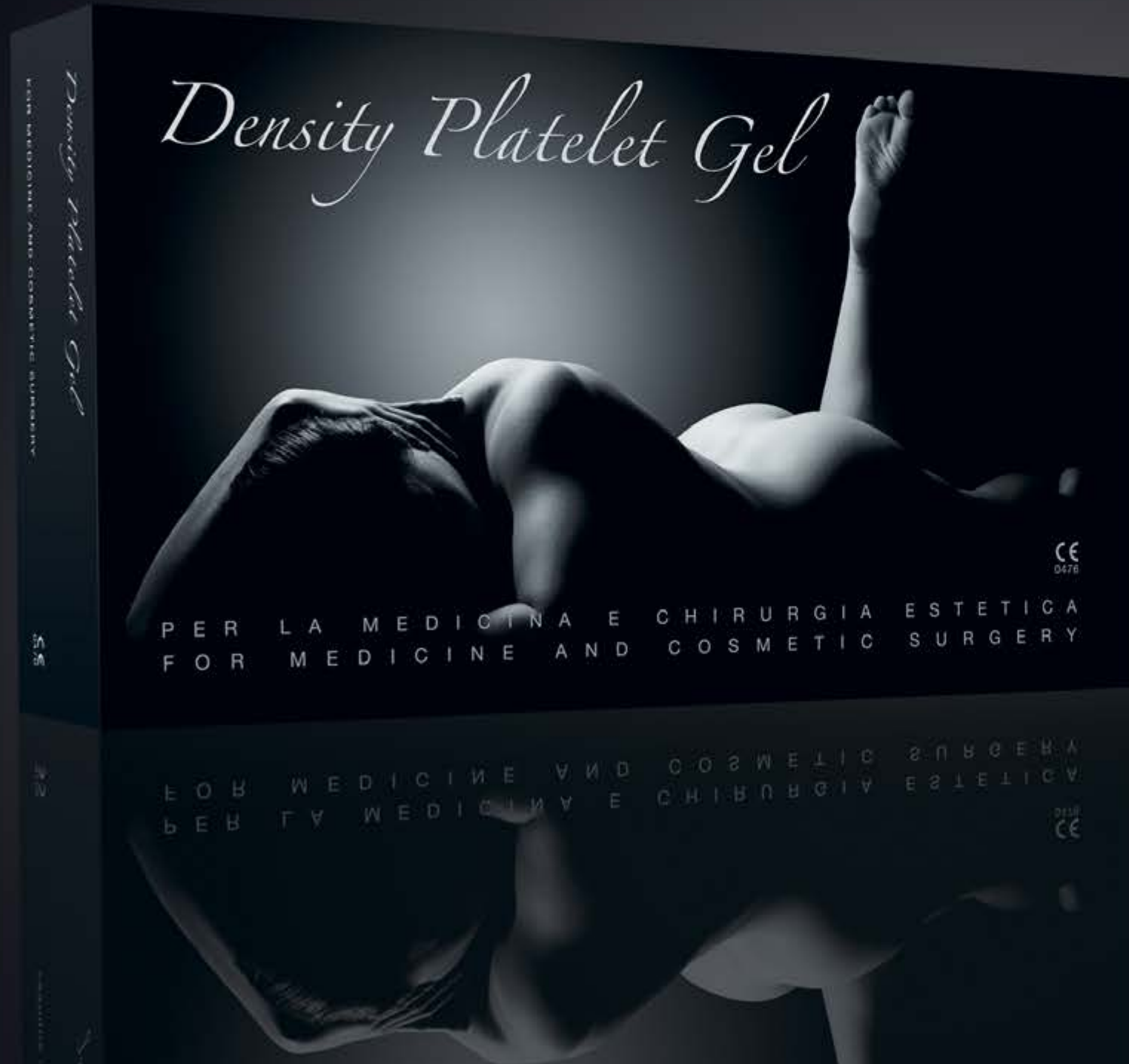




The Product

Density Platelet Gel

PLATELET RICH PLASMA





Abbreviation and terms

Density Platelet Gel
PLATELET RICH PLASMA



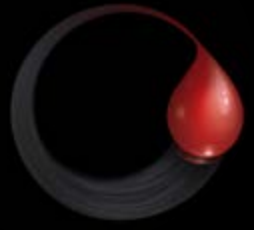
Platelet Rich Plasma



Platelet Autologous Plasma

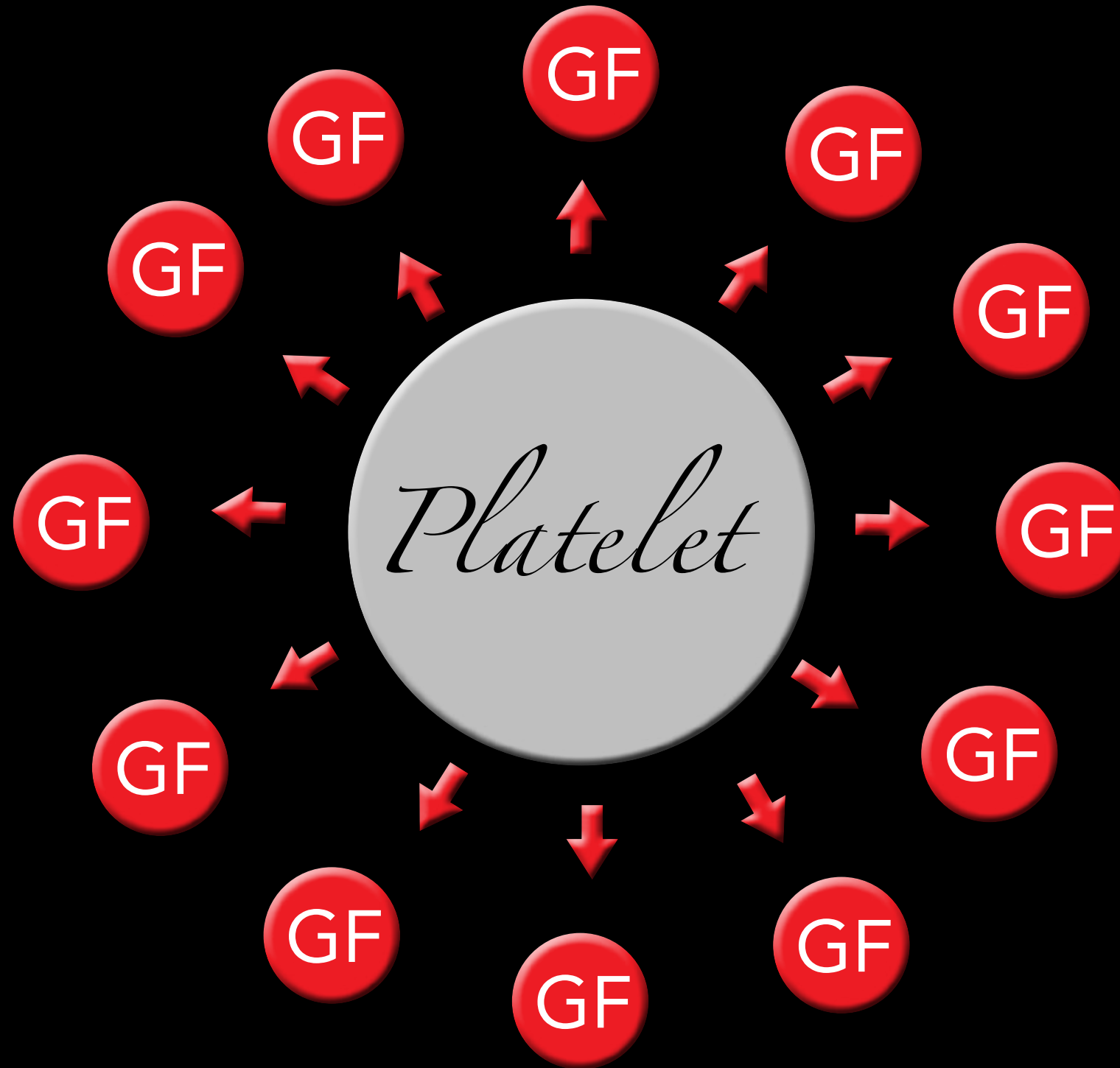


Growth Factors



Discovery of growth factors in platelets

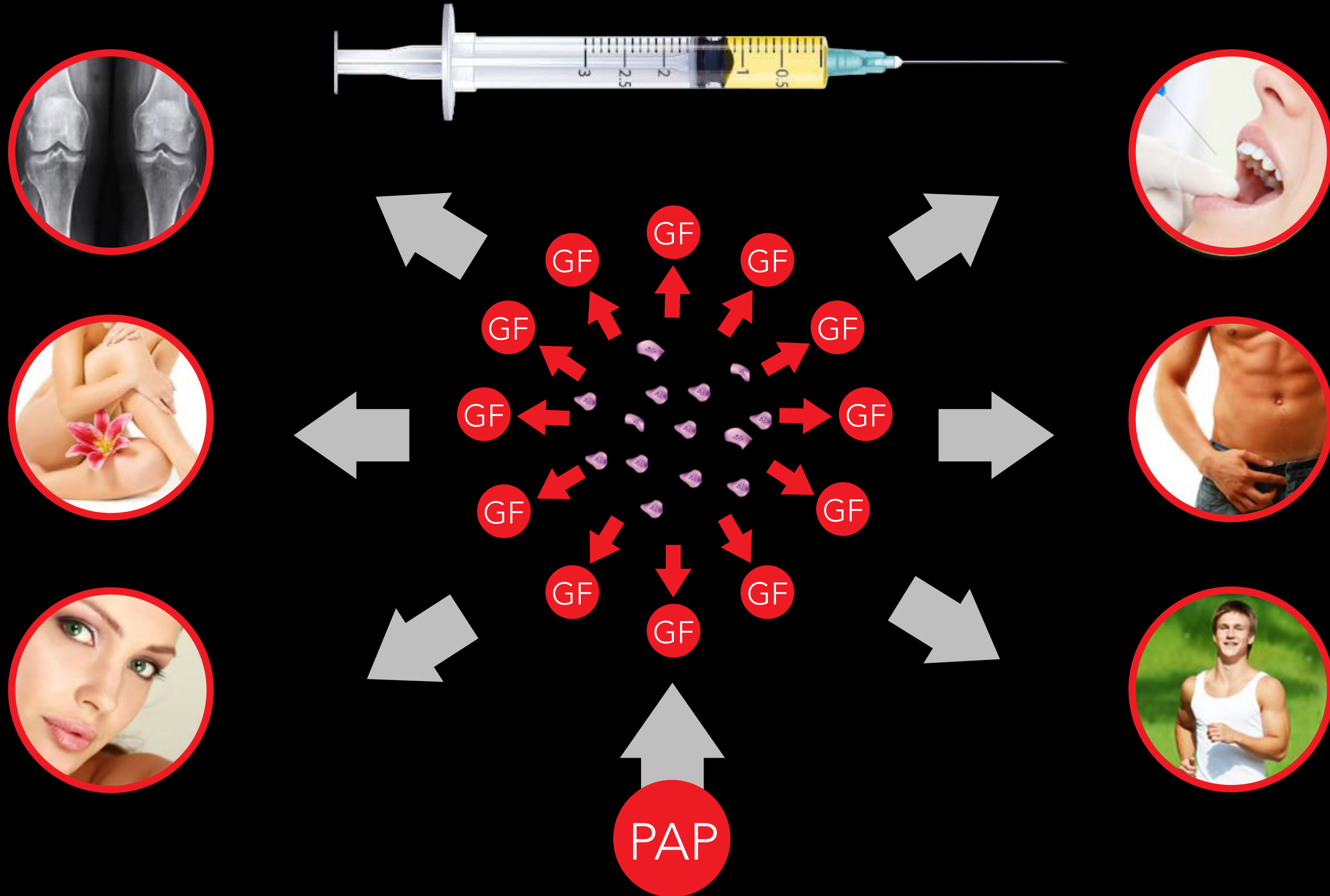
Density Platelet Gel
PLATELET RICH PLASMA

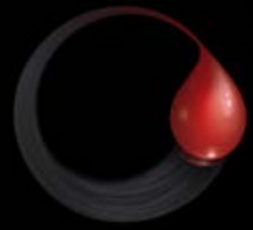




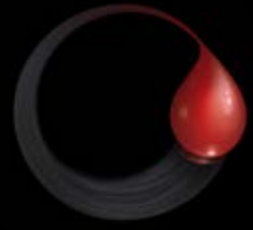
APPLICATION PAP by injection

Density Platelet Gel
PLATELET RICH PLASMA





Due to the presence of growth factors, PAP improves tissue oxygenation during the first days after injection. Then gradually increasing the number of vessels, which leads to an additional oxygenation (angiogenesis).

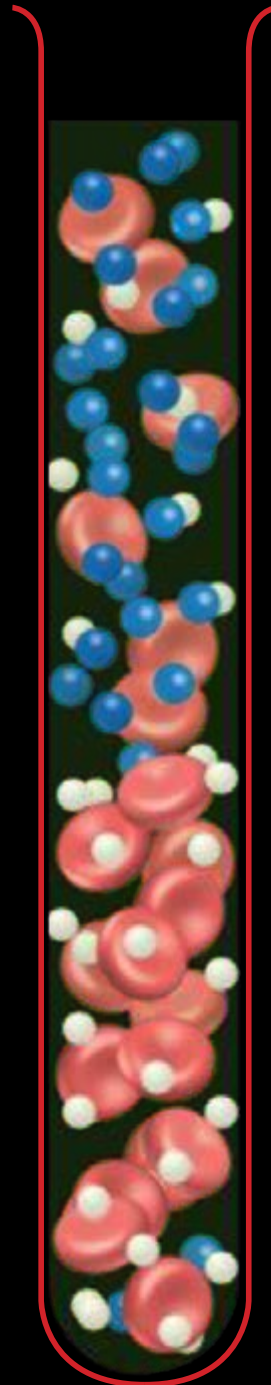


Theoretical foundations of technology
Density Platelet Gel

Density Platelet Gel
PLATELET RICH PLASMA






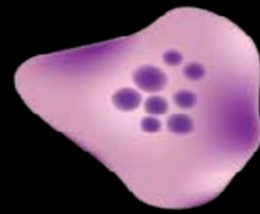
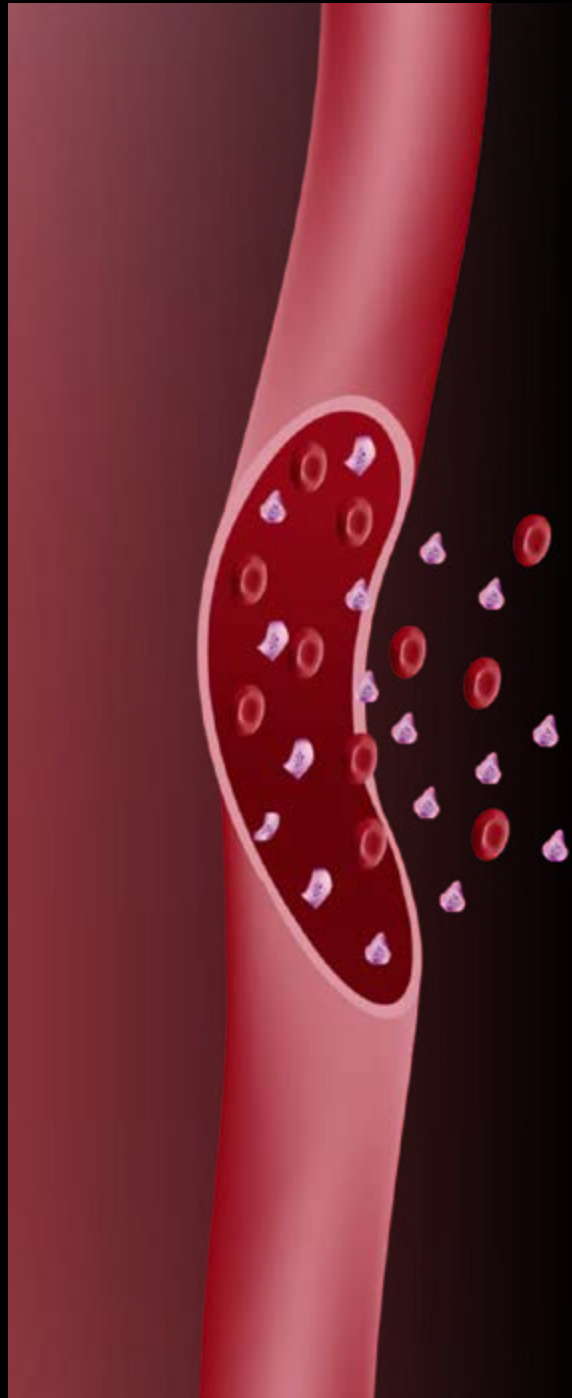
- 1 Level Biochemical
- 2 Level Pathophysiological
- 3 Level Morphological
- 4 Visual Results



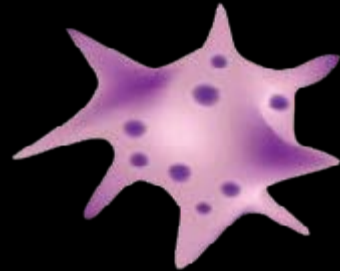
Plasma is made of:

- 90-91% water
- 6,6-8,2% Proteins
- 1,8-2,4% nutrients (amino acids, lipids)
- Hormones (insulina)
- inorganic Substances (potasium)

-  platelets
-  red blood cells
-  white blood cells

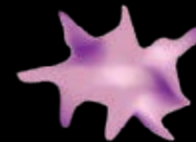


Inactive Platelets: shape of a disk



Active Platelet - **spherical**

- Circulating immune complexes
- coagulation factors
- anticoagulants
- bioactive substacnes



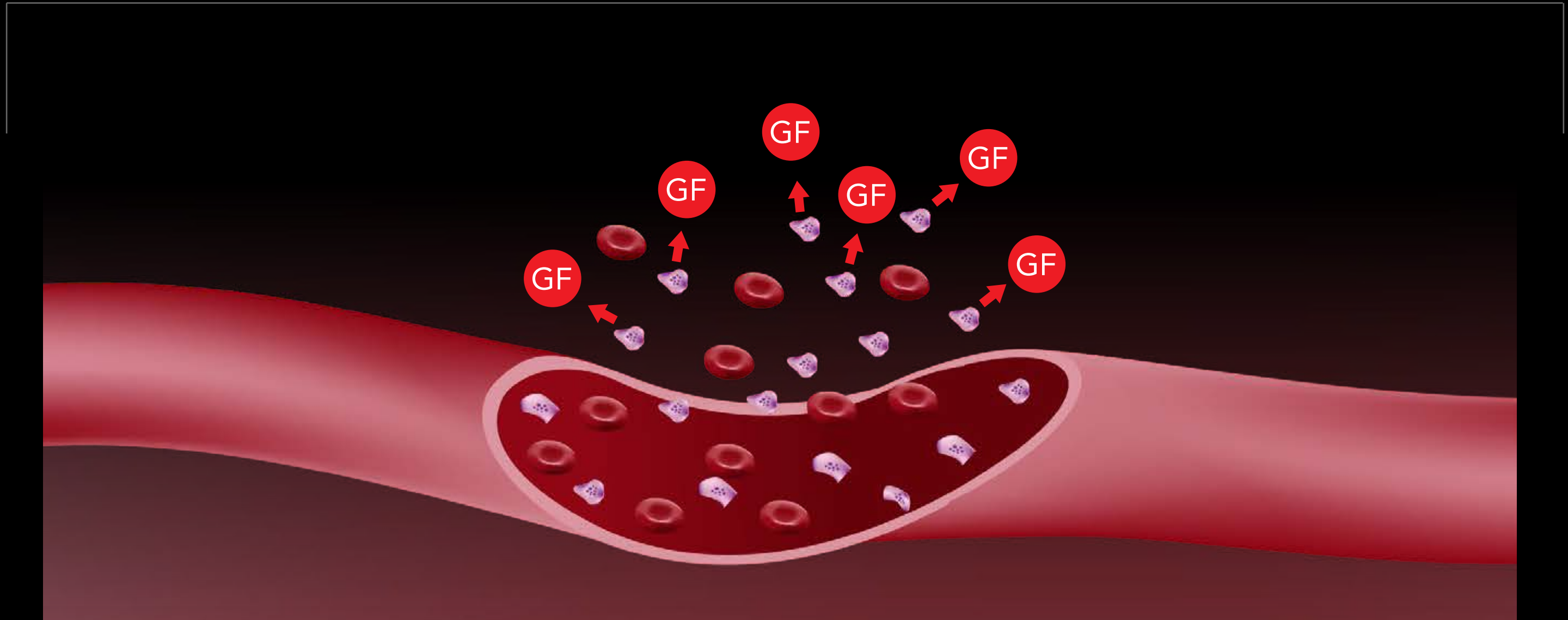
Platelet after activation: An empty shell
without content



Level morphological

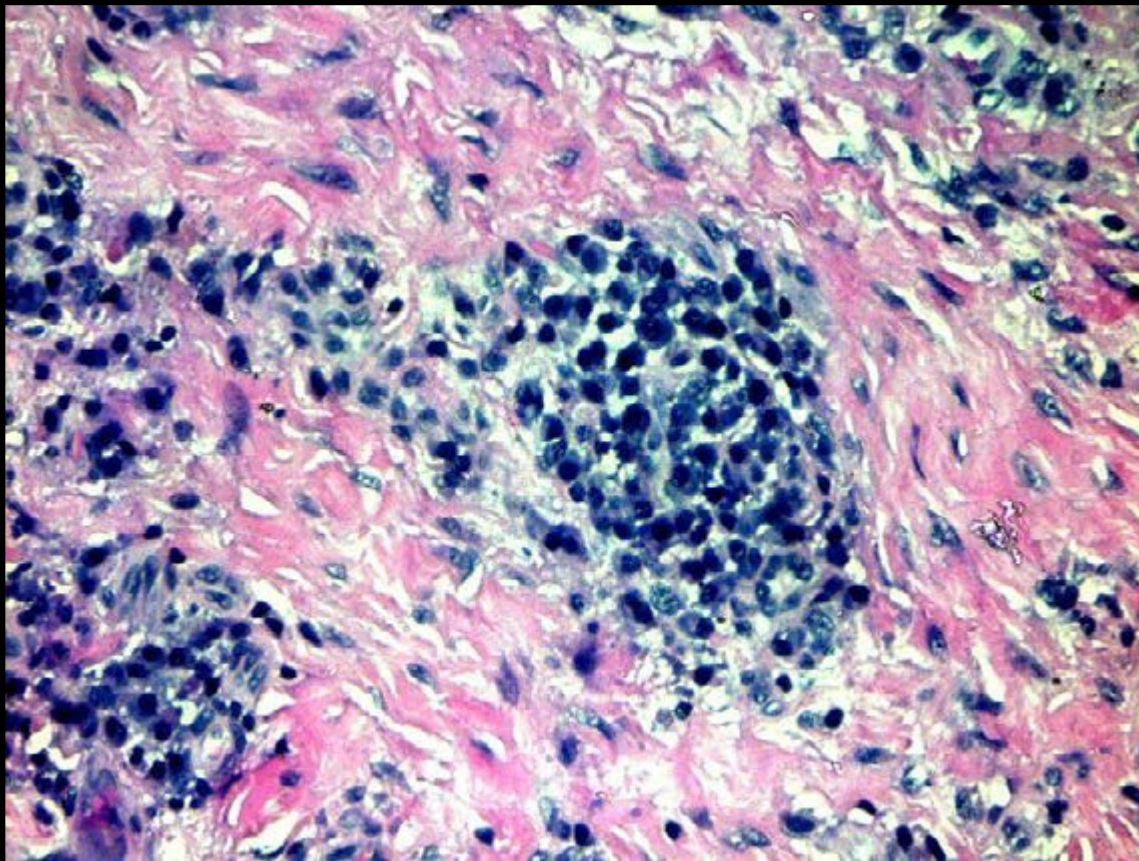
Density Platelet Gel

PLATELET RICH PLASMA

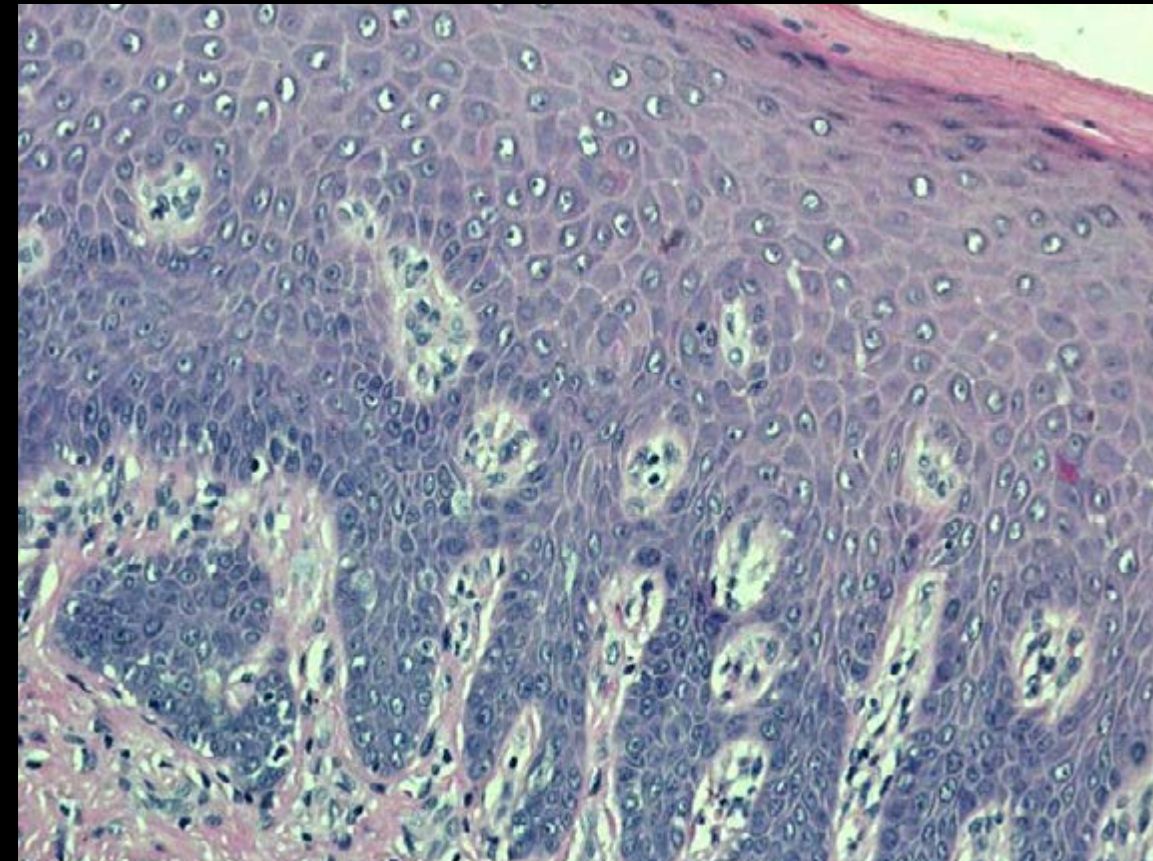




Diagnosis: Exacerbation of gingivitis



Gingival biopsy before treatment



Gingival biopsy after treatment:
4 weeks after injection
autologous plasma platelet



Visual Effects

Density Platelet Gel
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Diagnosis : Psoriasis



4 Platelet Gel Density treatments, once every 3 weeks



Visual Effects

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Diagnosis : Eczema on the hands



After two injections PAP 2 weeks apart



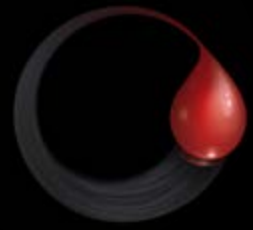
Visual effects

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Diagnosis: dermatitis



After two injections, and two applications PAP 3 weeks apart



- 1 Platelet Gel Density is in the form of injections and is a versatile approach to the regeneration of tissues
- 2 The effectiveness of the technology depends on the answer "biological"
- 3 Maximizing measures: the saturation of the total number of platelets by increasing the volume of autologous plasma



Density Platelet Gel

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Density Platelet Gel



Speeding and timing
5 minuts at 4000 RPM



Necessary equipment

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- 1 Equipped treatment room
- 2 Centrifuge
- 3 PRP Medical Device



Taking blood from a vein

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wing needle



Handle tube



Density Platelet Gel Vacuum tube 9ml



1 Preparation of the patients

2 Butterfly Needle



6

Certified PRP Vacuum Tube



1

Buttefly needle



2

Connector



3

Tourniquet



4

Textile Patch



5

naczynie medyczne



Tubes properties

Density Platelet Gel

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1

Special Separator Gel

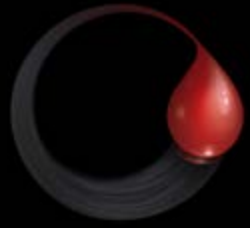
- Excellent absorption
- highest Concentration Platelets
- Perfect Separation

2

Anticoagulant

- Prevent blood coagulation
- Used in vivo





COMPARISON: certified Product and ordinary samples for laboratory tests

Density Platelet Gel
PLATELET RICH PLASMA



Laboratory test tube in vitro



Certified Product:
Density Platelet Gel in VIVO



Indications

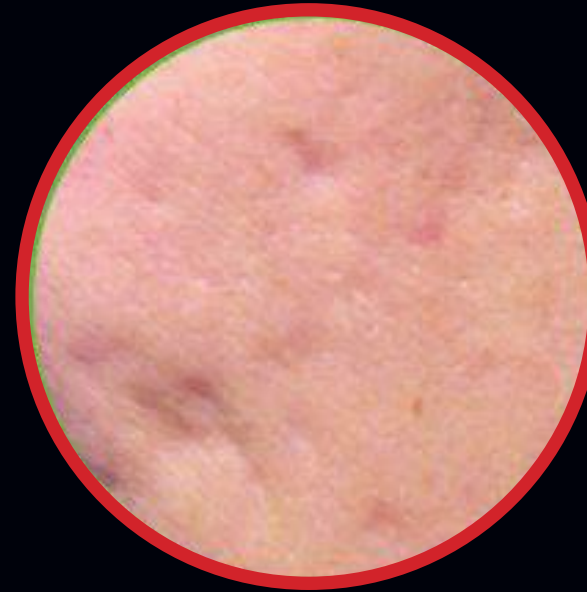
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Ageing



Hyper Pigmentation



Cellulite








Sensitive Skin

- 1 Saggin Skin
- 2 No longer Elastic Skin
- 3 ALOPECIA
- 4 ACNE





Contraindications

-  Pregnancy and lactation
-  Diseases of the blood
-  Allergic Reactions to Anticoagulant
-  Tumors
-  Infections diseases

Density Platelet Gel
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Effects of Platelets Gel

Density Platelet Gel
PLATELET RICH PLASMA

AFTER

BEFORE





Effects Platelets Gel

Density Platelet Gel
PLATELET RICH PLASMA

BEFORE

AFTER





Tricology

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Diagnosis: Alopecia



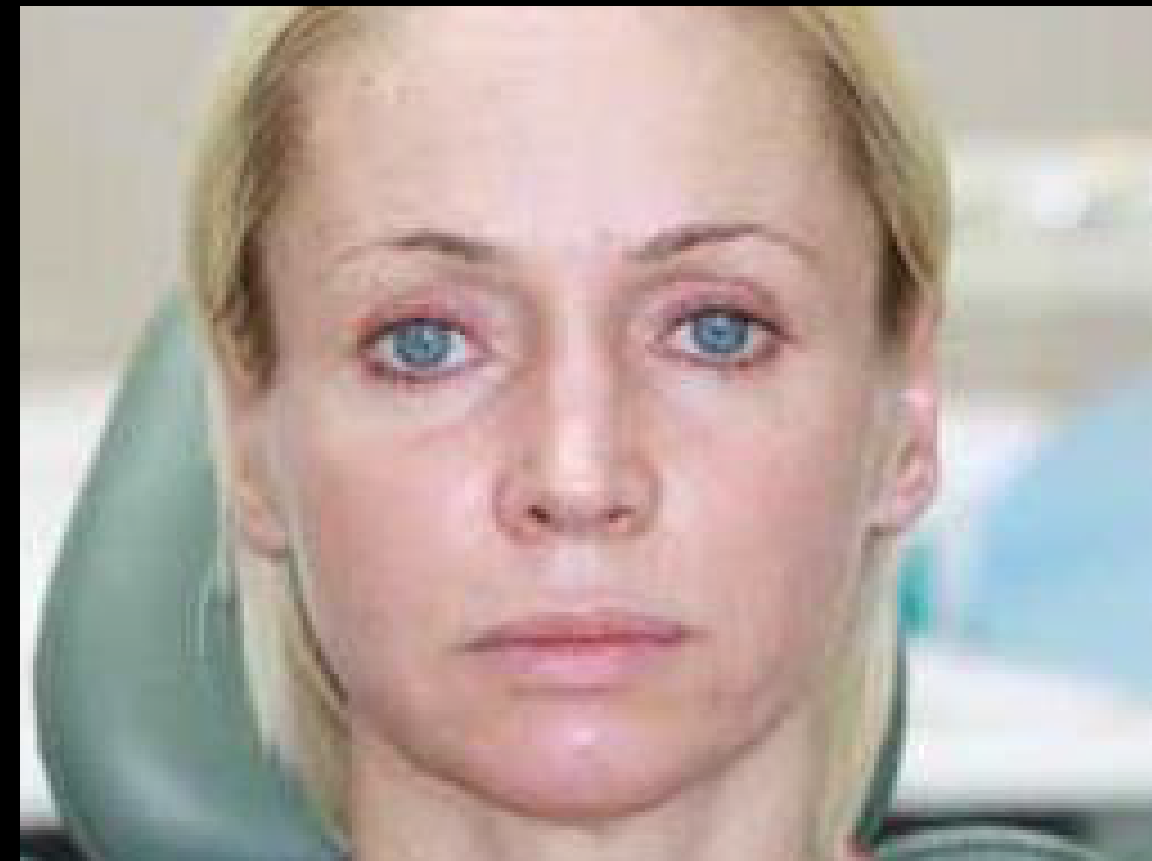
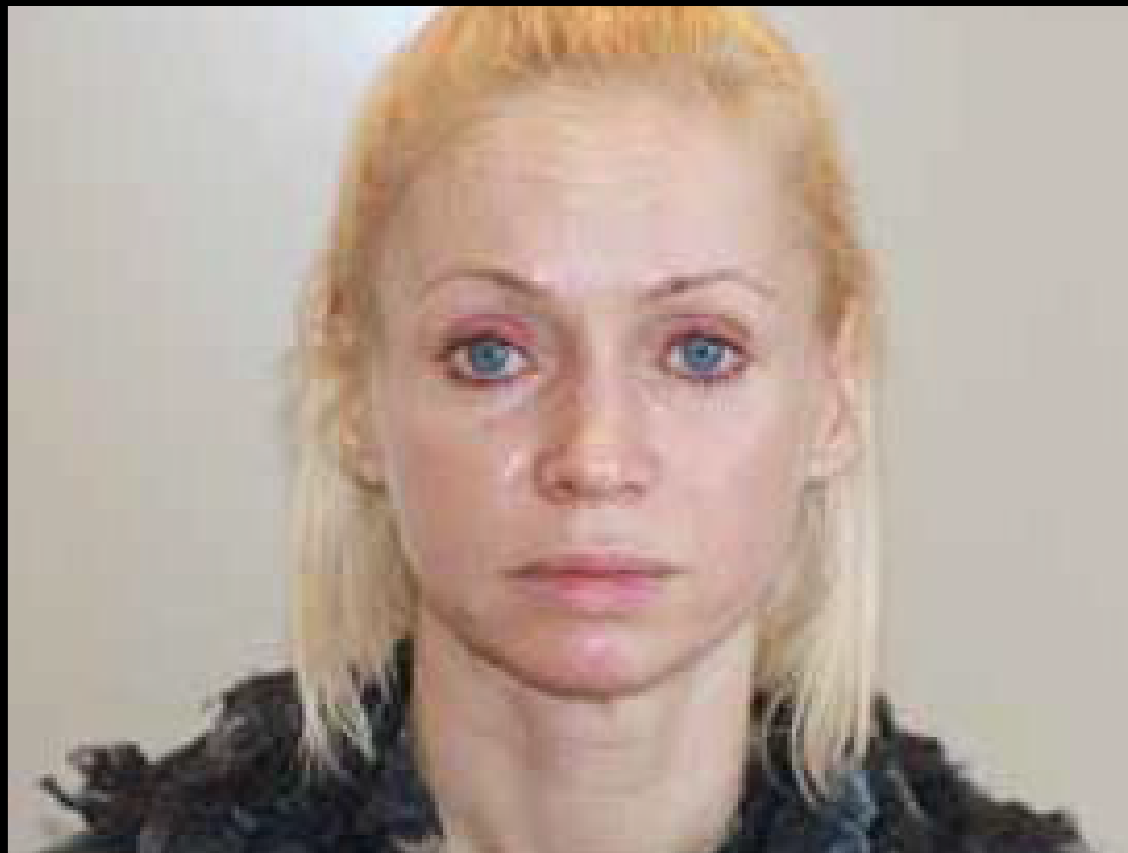
Before and after the treatment cycle Density Platelet Gel



RESULTS: FACE

Density Platelet Gel
PLATELET RICH PLASMA

Diagnosis: Skin atrophy associated young age



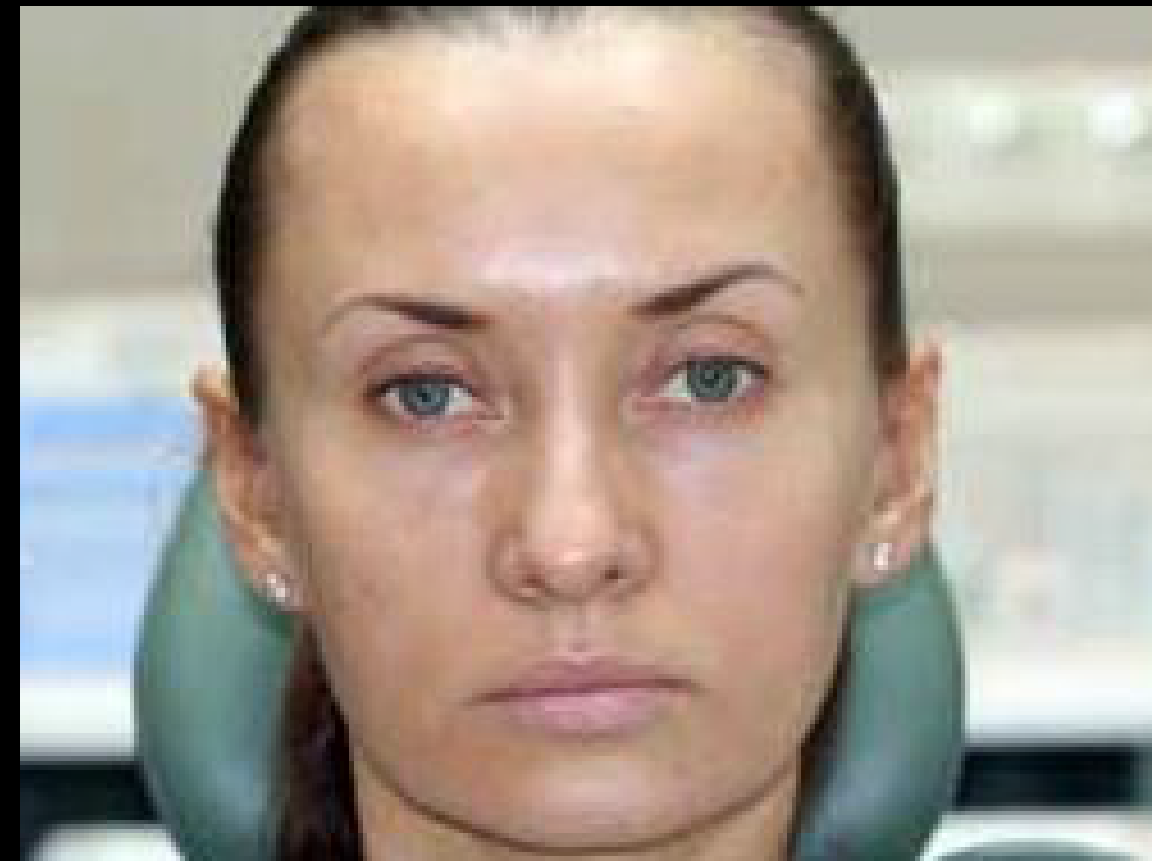
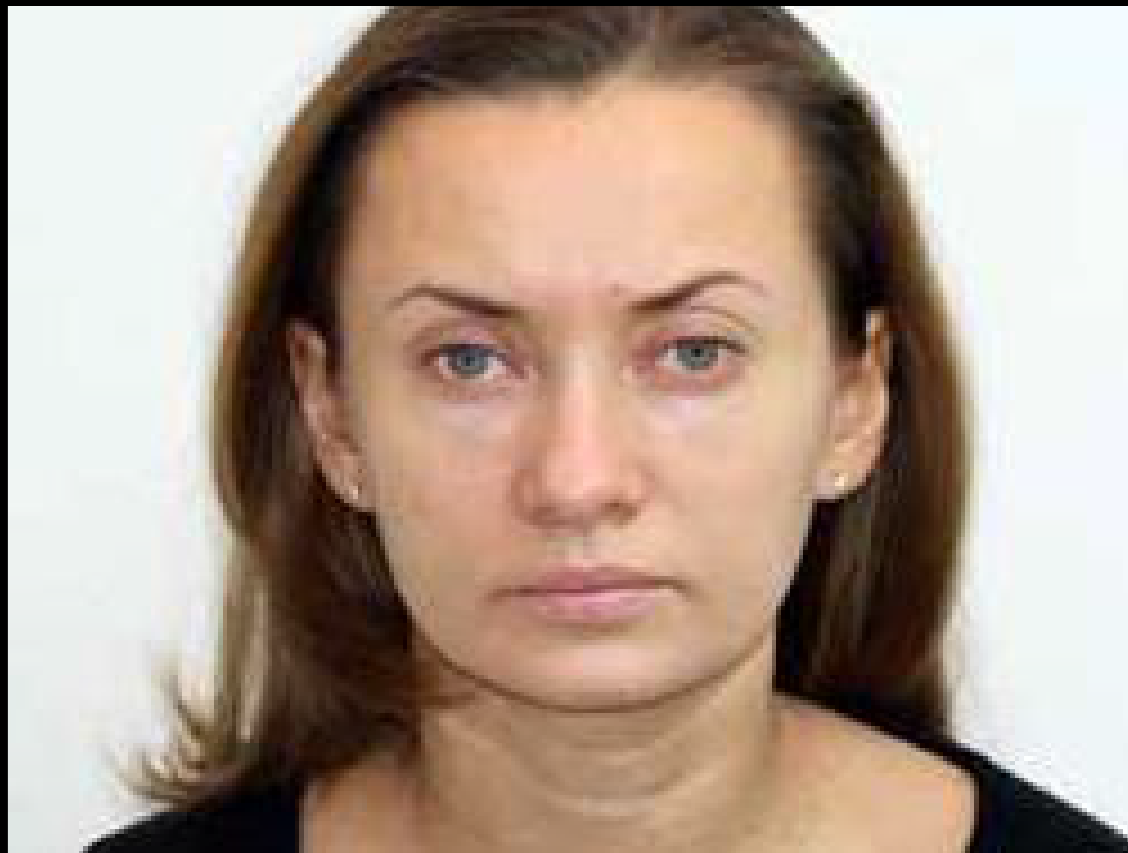
After 4 treatments



RESULTS: FACE

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Diagnosis: Atrofia



after 4 treatments



RESULTS: FACE

Density Platelet Gel
PLATELET RICH PLASMA

Diagnosis: acne



After 4 injections of autologous platelet-rich plasma - interval 7 days



RESULTS: CELLULYTE

Density Platelet Gel
PLATELET RICH PLASMA

Diagnosis: Cellulite 2° Level



After six treatments Platelet Gel Density - interval 1 week



RESULTS: CELLULYTE

Density Platelet Gel
PLATELET RICH PLASMA

Diagnosis: Cellulite 2° Level



After one injection of autologous platelets rich plasma (1 week later)



Burns

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TECHNIKA „NAPPAGE“ (GRUDKI)

Density Platelet Gel
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30G 4mm needle is recommended;

- Intradermally deep injection;
- 5-10 mm distance between injection points;

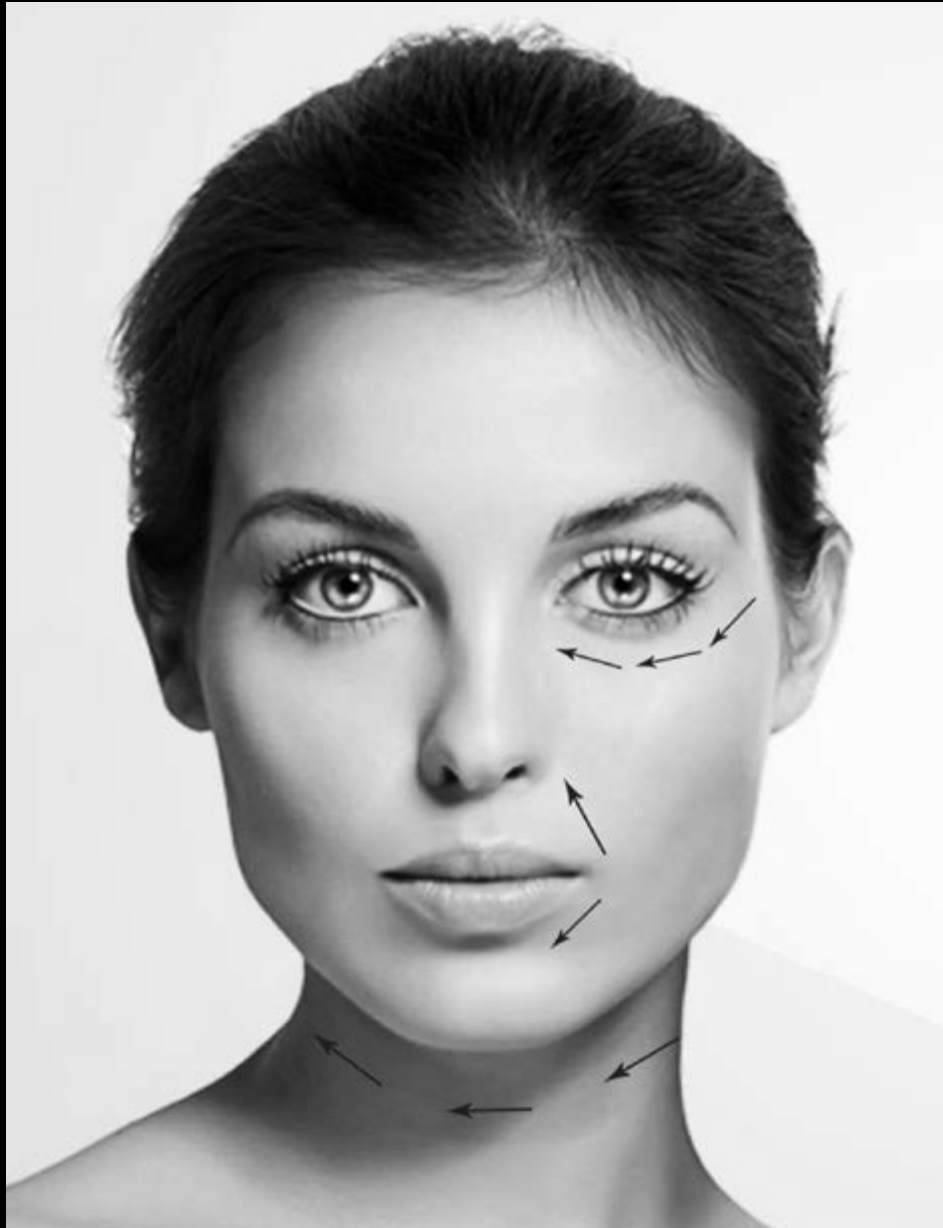
Used to treat :

flabby, tired, atrophic skin;
around eyes area;
jaw, forehead, upper lip;
neck and décolleté, hands;



TECHNIKA „NAPPAGE” (GRUDKI)

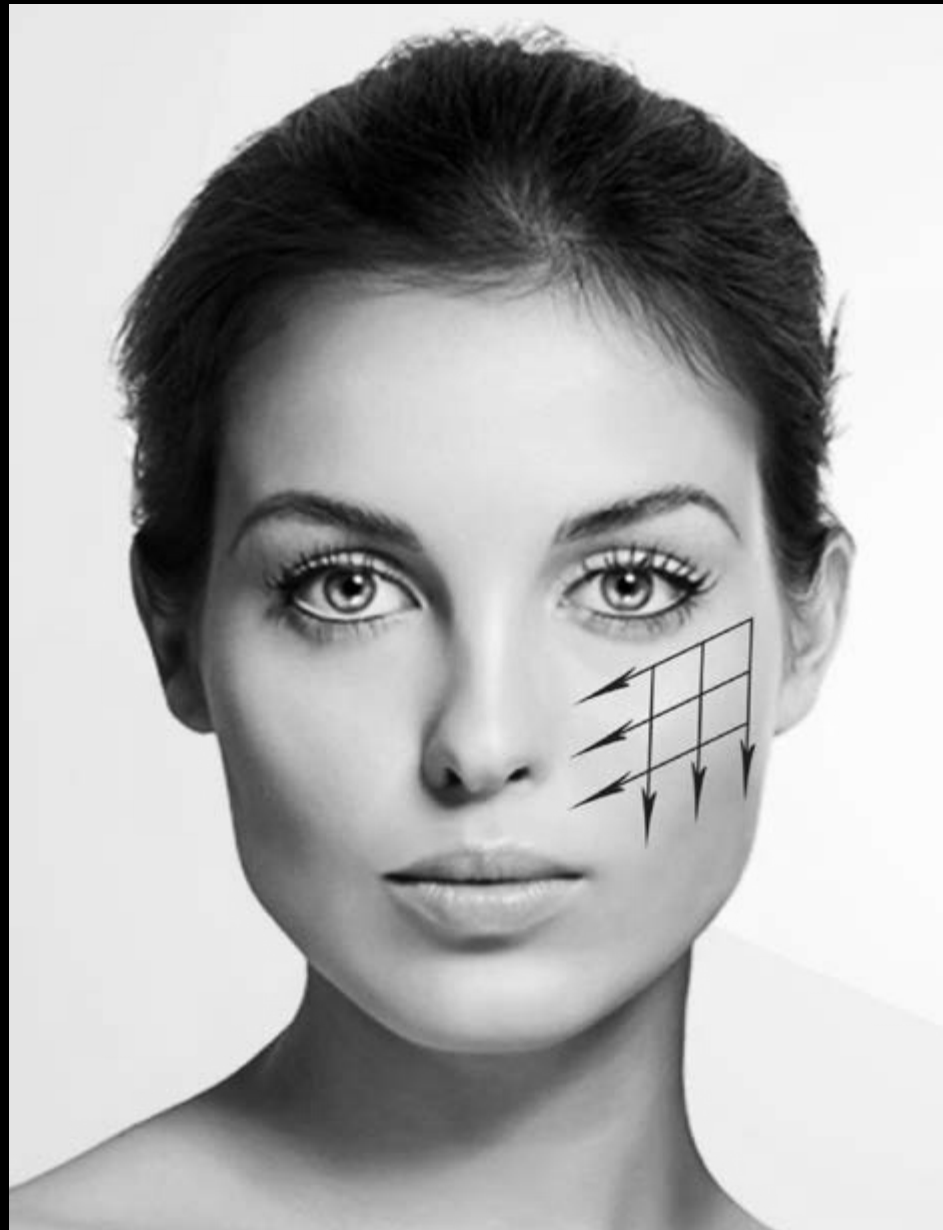
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30G 12 mm needle is recommended;

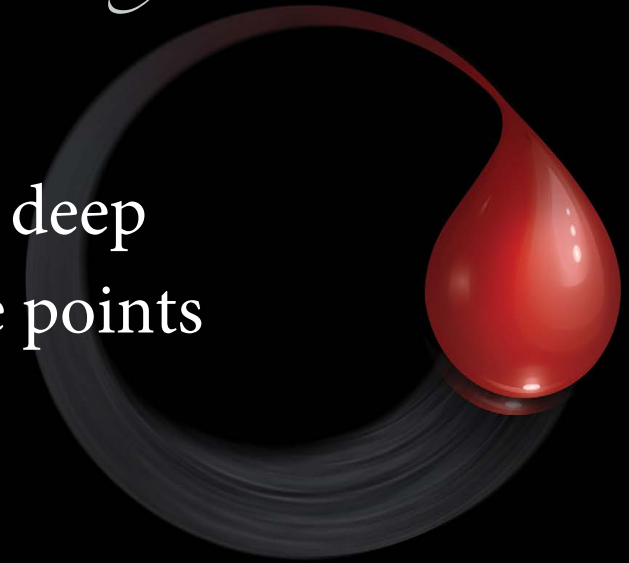
- intradermally injection depth;
- parallel to the surface of the skin;

Preparation is injected under the technique of linear stringing. In the case of wrinkles comprising a larger area used technique fan-like. Can be combined with facial contouring.



- 30G 12 mm needle is recommended;
- injection depth;
- intradermally or subcutaneously.

Injection is made linearly along face contour at a distance of 10 mm one from the other parallel lines. Then the injection is carried out perpendicularly to form a mesh.



• Injections using a 30G 40mm needle deep layers of the skin in biologically active points

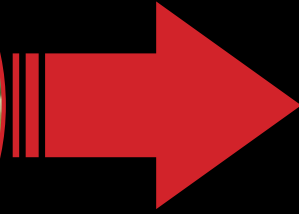
- Corner of the eye,
- crow's feet
- Corner of lower jaw
- naso-labial



Growth Factors

Density Platelet Gel

PLATELET RICH PLASMA



GRANULE

- Insulin-like growth factors (IGFs)
- Platelet-derived growth factor (PDGF)
- Epidermal growth factor EGF
- Fibroblast growth factors, FGFs
- Vascular endothelial growth factor (VEGF)
- Placental growth factor(PLGF-1/-2)
- Transforming growth factor beta (TGF-β)
- Transforming growth factor alpha (TGFA)





Safety - Density Platelet Gel

Density Platelet Gel
PLATELET RICH PLASMA

Density Platelet Gel is one of the safest cosmetic procedures: over many years of application of this technology, there has been no serious complications. This is due to the fact that this method relies on a patient's own blood,

In order to ensure the safety of the procedure you need to use certified equipment and approved specialized blood collection tubes (in vivo) by Density Platelet Gel.





DOSAGE

Autologous Platelet Rich Plasma

Density Platelet Gel
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1 PRP TUBE =
3,5 - 4,0 ml autologous rich plasma



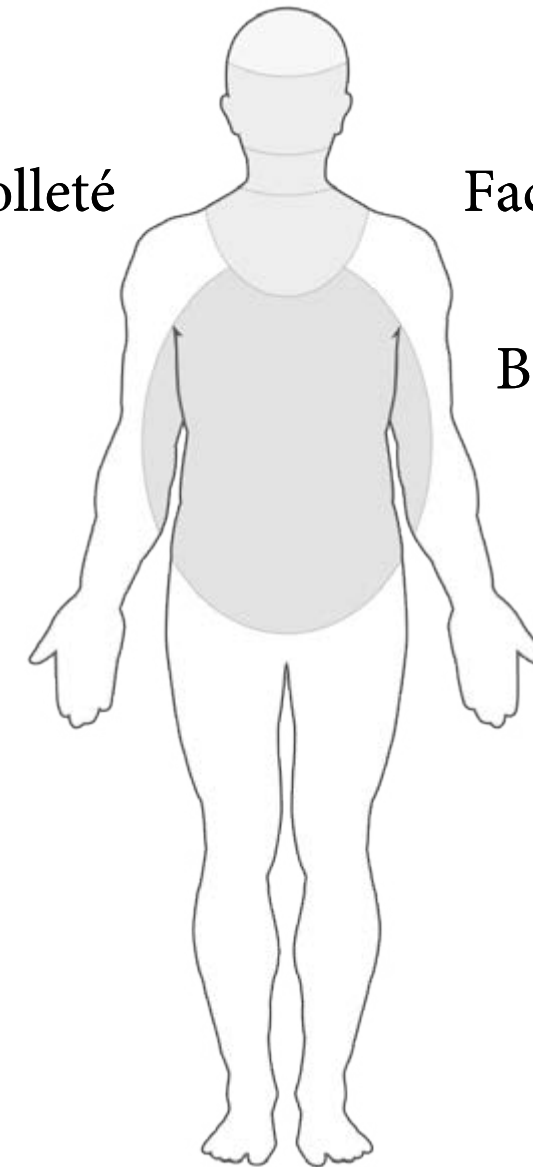
10cm²

Scalp- 2 PRP Tubes

Face + Neck + Decolleté
- 4 PRP Tubes

Face - 2 PRP Tubes

Body - 4 PRP Tubes

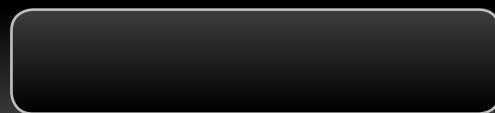




Step 1

blood whithdraw

Preparation of platelet-rich plasma begins from a venous blood sample (usually upper limb) of the patient. The patient does not need to be fasting, and the whole procedure is similar to the procedure for collection of blood for testing. Use the elements of the Accessory Kit. Amount of blood may vary depending upon the amount of plasma that we want to obtain.





Step II

Obtain platelet-rich rich plasma

Vacuum blood collected goes into the vial with anticoagulant and separating gel. vial is placed in a centrifuge. Spin takes 5 minutes at 4000 rpm in the centrifuge with a fixed rotor.

After centrifugation, you will obtaine three layers of fluids.
At bottom layer erythrocytes, red cels concentrate. Middle layer the buffy coat and the top layer rich plasma (PRP).
The plasma (PRP) is withdrawn into a separate syringe.
Thus prepared, the concentrate is ready to serve.





Step III

Administration of Platelet-Rich Plasma (PRP)

Platelet rich plasma is injected into the skin using a needle mesotherapy techniques or linearly along the wrinkles and folds of the skin, using the anesthetic cream for the full comfort of the patient. The procedure can be used both to rejuvenate and improve skin of the face, neck and hands or body. The use of PRP gives excellent results in the treatment scars, stretch marks, and baldness.

Platelet-rich plasma Mesotherapy must be performed in a series of the number of treatments depends on the age and condition of the skin. PRP therapy can be combined with other treatments in aesthetic medicine, example with laser therapy, radio frequency and microdermabrasion.

