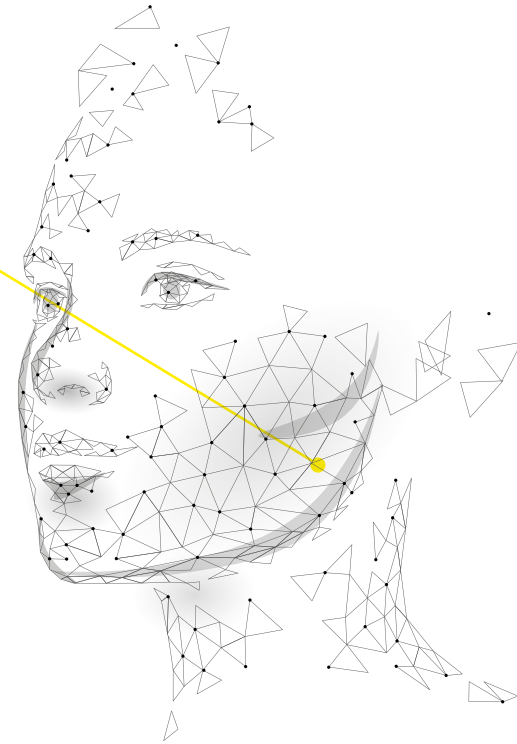


Protocol for the treatment of skin ageing with autologous platelet-rich plasma (PRP)

Plasmatrix™ utilises the synergy of collagen induction therapy, the regenerative capabilities of autologous platelet-rich plasma and highly concentrated active ingredients such as hyaluronic acid, amino acids and hormones. By preparing PRP in combination with active ingredients in one system, wrinkles and visible signs of skin ageing caused by chronological and physiological processes (intrinsic) as well as external environmental conditions (extrinsic) can be treated efficiently. In eight steps, the systemic Plasmatrix™ protocol achieves intensive hydration and nourishment of the skin and significantly reduces visible wrinkles and lines.



Indication	Reduced collagen and elastin production Skin cell damage due to free radicals and singlet oxygen
Observation	Wrinkles, fine lines and furrows Reduced skin tightness (loss of elasticity) Reduced stretch and elasticity Dehydration Loss of subcutaneous fat Loss of cross-section of the epidermis
Perforation	1.5-2.5 mm
Interval	monthly
Sessions	8
Duration	90 minutes

Suggested Products

Plasmatrix™

Cleanser
Lactic Peel
Infused Plain Tubes HA / MGA / MZS
NeedlingPen Medical CONTROL
Needle Cartridge 9 Pin
Recovery Face Mask
Seal & Balancing Balm
UV Protect Cream SPF50+
Plasmabooster Enhancing Cream

TX Add-Ons™

Skin Sanitizer
Protective Sleeves
Facial Cleansing Sponges
Chemical Peel Brush
Tubes Tray
Syringe Holder

Additional Products

Blood Collection Set
Centrifuge
Sodium Heparin

All protocols must take place in a dry, clean, smoke-free room under proper hygienic conditions. Ensure adequate lighting. In particular, comply with the relevant requirements for the design of workplaces and the materials to be used. Before treatment, make sure you have all the required products ready.



Gently but thoroughly cleanses the skin of dead skin cells, sebum, make-up and impurities before the treatment. Remove a small amount of Cleansing Foam and massage in gently. Then remove with a Facial Cleansing Sponge and rinse thoroughly.

Active ingredients: Salicylic Acid, Aloe Vera



The lactic acid peel removes dead skin cells with little to no frosting. Protect sensitive treatment areas with Vaseline. Avoid the eye and mouth area. Leave on for at least 2 minutes, but no longer than 4 minutes. Afterwards, remove the lactic mask with the facial cleansing sponge/cotton pads. Neutralize the skin with the Post Peel Solution. Leave on for 4 minutes and rinse thoroughly. Gently pat the skin dry with a clean towel if needed.

Topical anesthetic

From a needle depth of 0.75 mm, the use of a local anaesthetic (Emla) may be useful, depending on the pain perception of the person being treated. For this purpose, apply the cream to the facial skin after peeling and leave it on for approx. 30 minutes. Cover the creamed skin area with an airtight and waterproof cover, e.g. with an occlusive dressing or simple cling film.

Disinfection

Apply undiluted colourless skin antiseptic to the skin. Follow the manufacturer's instructions for exposure time, usually 30 seconds.



Plain Tube Selection

All Plasmatrix™ tubes for the preparation of enriched PRP are designed as convenient vacuum tubes. No decanting of the blood sample is therefore necessary. To provide more content and fewer additives, these tubes do not use separating gel and citrate. Instead, the PRP method requires the addition of anticoagulants (sodium heparin). The yield is more efficient because 1 ml more content can be obtained per tube. The Vacuum PRP Tubes enable the preparation of autologous platelet-rich plasma (PRP) in combination with already integrated active substances in one system. Depending on the individual skin condition of the patient, the following Plain Tubes are available:



Tubes	Composition	Application
HA	Sodium Hyaluronate 1% (2,2 ml)	Reduction of wrinkle depth Increase skin firmness Intensive hydration Plumping and volumising
MZS	Melatonin 0.0232 mg, Zinc 0.116 mg, selenium 1.14 µg in the form of selenium cystine	Preventive effect on skin ageing Cell protection from oxidative stress and free radicals Activates cell regeneration and cell renewal Also for rosacea, photoaging and sunburn
MGA	Melatonin 0.0232 mg, Adenosin 0.1045 mg and Glycine 0.058 mg	Increases dermal collagen density Activates cell regeneration and cell protection Increases the bioactive effect of PRP Destruction of free radicals Acts as a platelet aggregation inhibitor

For blood collection:

First spray the tube membrane with skin disinfection, then add 18 units of heparin per tube. Blood collection in a safe negative pressure procedure with wing cannula 21G (0.8 mm x 19 mm) and disposable holder.

4

CENTRIFUGATION

Follow the instructions for use and the protocol of the medical centrifuge. Ensure symmetrical loading. According to study results, we centrifuge with low force (RCF), not to be confused with revolution (RPM), which is only a factor from the formula of force. We centrifuge under 1000 G-force or RCF for 5 minutes. After centrifugation, remove 1.5 ml of cell-rich plasma (PRP) above the red cells using a 3ml syringe/18G needle. Discard the needle and distribute PRP evenly on the face.

5

NEEDLING

Deep needling with medical NeedlingPen Medical CONTROL and 9 needle module. Promotes elastin and collagen induction and enables PRP to be injected into the desired skin depth. Depending on various factors, perforate each skin area between 6 to 8 times.

- » 9 needle cartridge
- » Needle length 1.5 mm to 2.5 mm (periorbital area not over 0.5 mm)
- » Power level: 5 or more

6

RECOVERY

The Recovery Face Mask enables intensive hydration of the skin, supports the regeneration process and stimulates the body's own elastin and collagen production. Redness, irritation, microtears and feelings of dryness are immediately reduced. Remove the mask from the packaging and remove both protective films. Brush on to apply and leave on for 10 to 15 minutes. Remove the mask and gently massage in excess serum.

Active ingredients: Argireline, Hyaluron, Vitamin E, Prickly Pear Water, Aloe Vera

7

PROTECT

Protects the skin from UV radiation at the end of the treatment. UV Protect Cream SPF50+ is a UV-protective, repairing, thin-bodied and very quickly absorbed sunscreen cream with a high sun protection factor of 80, based on proven UVB and UVA filters, as well as nourishing ingredients to stabilise the skin. Spray the cream onto the skin area to be treated and leave to take effect.

Active ingredients: DNA Repair Enzymes, Proteins, Plankton Extract

8

DAILY CARE

Effective patient protocol for home use. The Plasmabooster Enhancing Cream is a supportive day care product for use between PRP treatments to enhance the results of the treatment. The base cream is blended with the patient's own blood plasma and results in a highly effective anti-ageing skincare treatment. All the plasma from a PRP tube is mixed into the cream. The growth factors are activated by receptors in the skin cells and can thus promote the regeneration and renewal of the skin. Take a small amount daily in the morning and evening for at least two weeks and spread it on the affected skin area. Store in the refrigerator.

Active ingredients: Acetyl Hexapeptide-8, Trifluoracetyl Tripeptide- 2, Vitamin E

Health warnings, precautions and contraindications

It is highly suggested to not undergo the treatment if you suffer from or have the following:

- » Allergies, epilepsy, infections or any autoimmune diseases, respiratory infections, any other heart-related illnesses, or skin infections of the treated area.
- » Any illness or disease that is treated with medications that may alter the normal re-epithelialization of the skin e.g., diabetes, mediterranean amnesia, etc., or those who are undergoing chemotherapy, radiation therapy, or high-dose corticosteroid therapy.
- » Visible tissue swelling (edema) or bruises to the treatment area.
- » Retrovirus or viral diseases e.g., hepatitis A, B, C, D, E or F, HIV infections, or an acute local skin infections e.g. herpes, rosacea, acne, couperose, herpes, rashes or eczema.
- » A person under the age of 18 years without parental or guardian consent.
- » A person taking blood thinning medication, a blood-clotting disorder, an open wound, a chronic wound, a skin disease, scar keloids, nerve damage, warts, or is pregnant, breast feeding, menstruating at the time of the treatment, visible ptosis or pustule skin legions.

Psychological disorder that can affect your emotional, behavioral and/or physical health and may impact your decision-making.

Allergic reaction to an anticoagulant or any blood thinning medications, such as heparin, lactic acid, glycolic acid or alpha-hydroxy acid (AHA).

General Safety Instructions

Failure to follow the guidelines and warnings, especially during usage, can lead to personal injury, bodily harm or property damage. YOYU Brands GmbH assumes no liability for incorrect usage. Information supplied herein represents the most recent revisions. We reserve the right to errors, misprints and changes. If in doubt, seek professional advice.

These guidelines/instructions were created in accordance with the latest scientific standards and treatment intervals. We acknowledge that the results cannot be guaranteed in their absolute nature or validity. Use sunscreen after treatment.

If the responsible party administering the treatment should have the slightest doubt that the safety of the patient cannot be guaranteed, e.g. due to illness or another condition, then the responsible party should pause or stop the treatment. Always monitor changes of the skin and the emotional state of the patient. Follow the laws and regulations for platelet-rich plasma (PRP) therapy that apply in your country.

Product Specific Safety Instructions

Read the application information, the product instructions and product safety instructions before usage. The information on disposable products and hygienic standards must always be met. Before each usage, check the devices and accessories for damage. Do not use if damaged. Follow all treatments with DERMIDA products and accessories. Keep out of reach of children and avoid direct sunlight. Treatment should stop immediately if any allergic reaction occurs.