



CELLULAR MATRIX™

HYDRATION & REGENERATION

**Autologous Platelet Rich Plasma
combined with Hyaluronic Acid
for Skin Regeneration**



A-PRP & HA

Autologous Platelet Rich Plasma

Hyaluronic Acid

Cellular Matrix is a revolutionary innovation in aesthetic medicine that combines two treatment concepts in one for natural results

Autologous Platelet Rich Plasma (A-PRP) provides an autologous reservoir of growth factors, it :¹

- Increases the production of collagen
- Enhances skin elasticity, tone and thickness
- Stimulates stem cell differentiation and proliferation
- Triggers angiogenesis
- Creates a volumising effect

The key molecule involved in skin moisture is hyaluronic acid (HA) that has unique capacity in retaining water²

- More than 25 years of clinical experience in aesthetic medicine
- Major component of the extracellular matrix with important role in cellular proliferation and migration
- Binds water and creates volume
- Stimulates migration and proliferation of dermal cells



CELLULAR MATRIX™

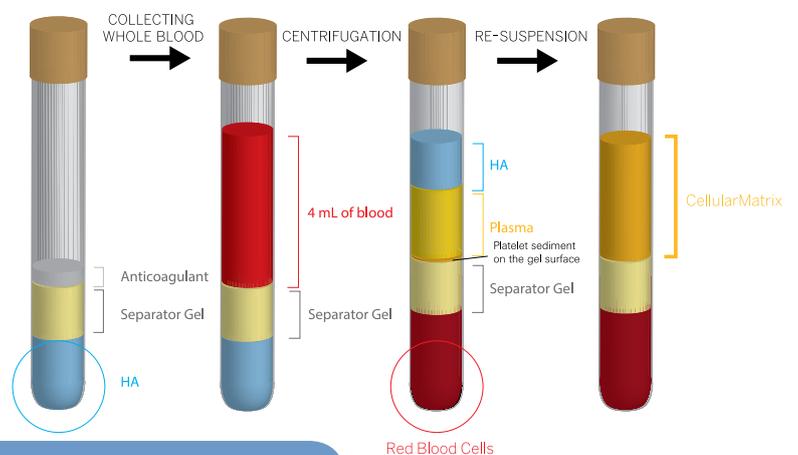
Immediate formation, in one easy step, of a cell-friendly HA network in which platelets are dispersed, using a system which is specifically approved for preparation of the combination of A-PRP and HA



CLOSED SYSTEM

4 ml of the CellularMatrix combination is prepared using 4 ml of autologous blood in a single step closed system.

CellularMatrix contains 2 ml of natural, non-crosslinked, fermented HA (1550 KDa) at a concentration of 15 mg / ml (30 mg total), in addition to the thixotropic cell-separation gel and the sodium citrate anticoagulant solution.



CellularMatrix contains non-crosslinked HA from fermentation and autologous PRP, both of which have excellent safety profiles in clinical practice.

CELLULAR

“Combining Platelet Rich Plasma with Hyaluronic acid provides **better contouring** and seems to **accelerate the cellular regeneration**, also making the combination the right tool for skin hydration.”³

HA increases the residence time of growth factors in tissue and creates a prolonged effect on stem cell migration and tissue regeneration beyond that of the A-PRP alone. Cellular Matrix Facelift restores the volume of tissue giving a youthful effect.⁴



courtesy of Dr. Mario Goisis <http://www.aesthetic-quality.com>

REFERENCES

1. Cheng M, Wang H, Yoshida R, Murray M. Platelets and Plasma Proteins Are Both Required to Stimulate Collagen Gene Expression by Anterior Cruciate Ligament Cells in Three-Dimensional Culture. *Tissue Eng Part A*. 2010 May;16(5):1479-89.
2. Stern R. Devising a pathway for hyaluronan catabolism: are we there yet? *Glycobiology*. 2003 Dec;13(12):105R-115R.
3. Chock R. Combination of Cells and Growth Factors in a supporting matrix for skin age management. *Proceedings Biobridge Generation Regeneration Congress*. 2014.
4. Goisis M, Stella E, Di Petrillo A, Rosset L. Nanofat Grafting Compared to Hyaluronic Acid and PRP Treatment of the Lower Lid and Tear Trough: Clinical Outcome. *JSM Ophthalmology* 2015;3.

MATRIX TM

TEAR TROUGH

17 out of 20 patients have **graded the result** of their CellularMatrix tear trough treatment either **“good” or “very good”**.⁴

before



after



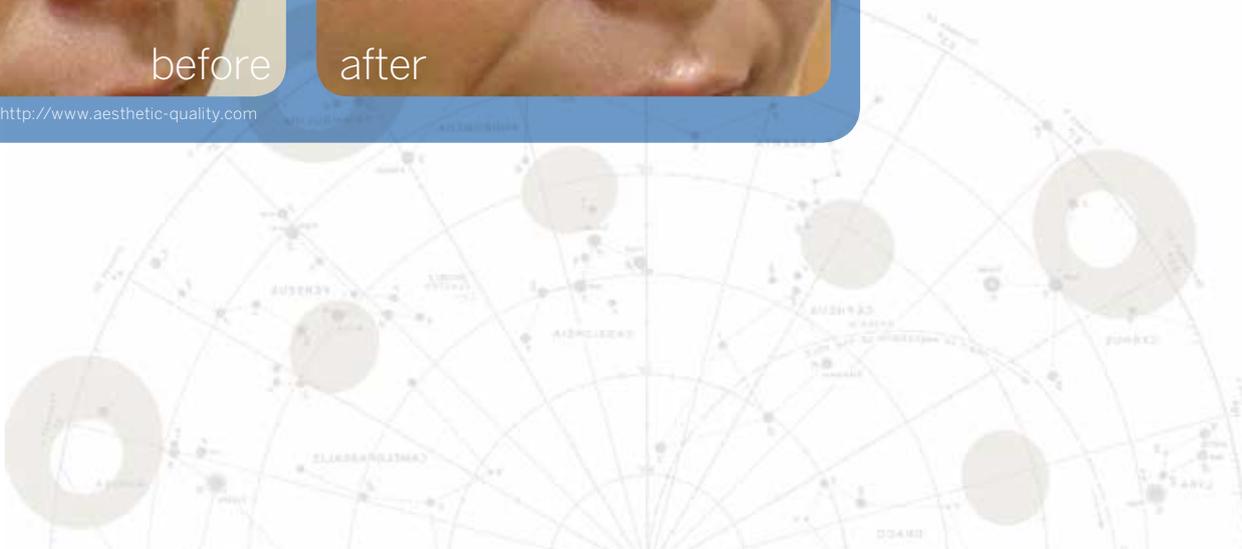
before



after



courtesy of Dr. Mario Goisis <http://www.aesthetic-quality.com>





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ORDERING INFORMATION

Intra-dermal injections for hydration of wrinkled skin tissues.

BCT-HA-3

CellularMatrix / BCT-HA

3 BCT-HA tubes

BCA-SET-1

Accessory Set

3 butterfly needles
3 collection holder

Patented by Regen Lab SA

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US Patent Number
US 8 945 537 B2

www.cellularmatrix.info

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- U.S. patent US8945537 and Patents Pending, including EP2544697 and US2015125436

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