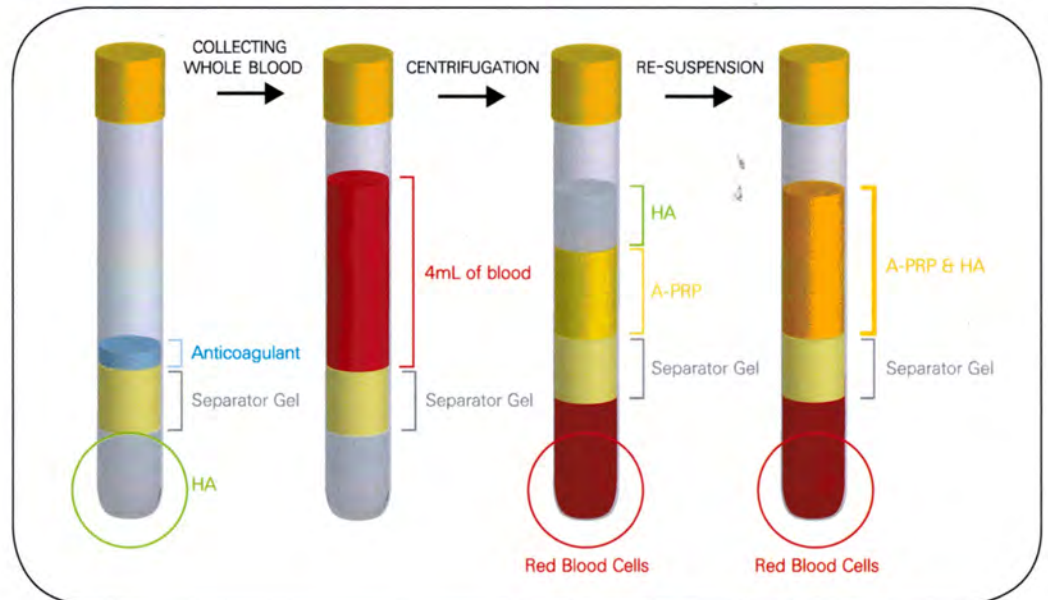


CELLULAR MATRIX™

“THE HYDRATION EFFECT OF HA BIOPOLYMER WITH THE STIMULATION PROPERTIES OF A-PRP GROWTH FACTORS”



Cellular Matrix combines the hydration effect of HA biopolymer with the stimulation properties of Growth Factors. Indeed, while the hyaluronic acid acts as a temporary dermal substitute, PRP stimulates the surrounding cells.



The three-dimensional scaffold is promptly colonized by fibroblasts, which produce extracellular matrix components and promote the ordered reconstruction of dermal tissue.
(Gu, 2010)

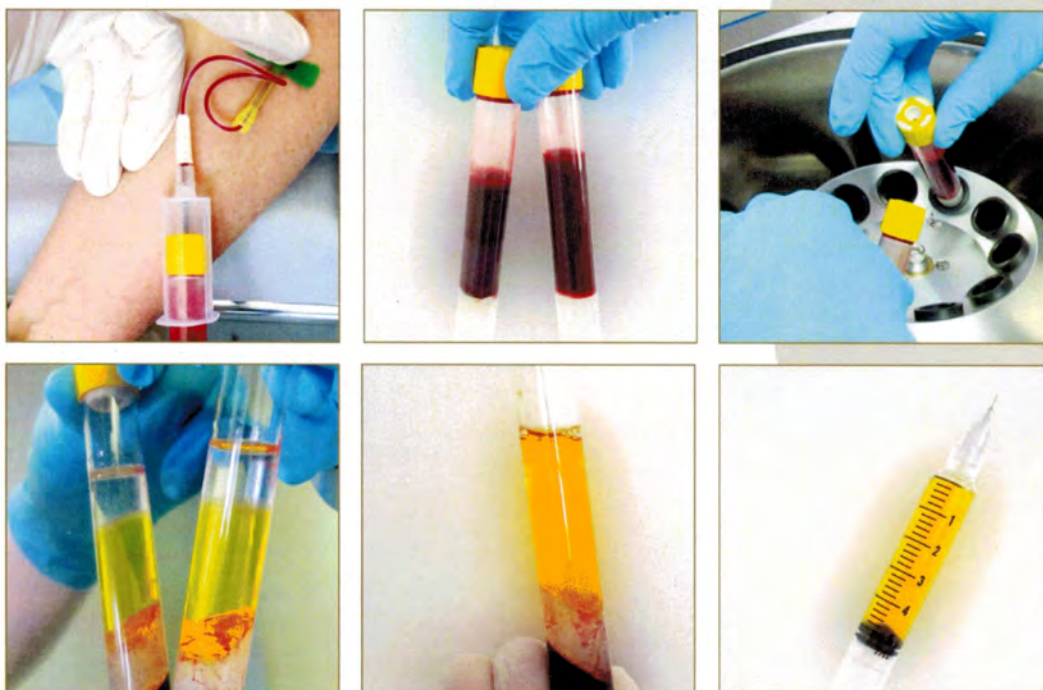
HYALURONIC ACID

- Major component of synovial fluid contributing to joint homeostasis
- Molecular weight and concentration of HA decrease in extracellular matrix
- Viscosupplementation provides pain relief and improved function with 1-3 i.a. injections of HA
- 25 years of clinical experience show benefits of HA last 6-12 months with 75% response rate
- Network of HA chains constitutes ideal cell-friendly matrix (Gobbi 2009)

AUTOLOGOUS PLATELET-RICH PLASMA

- Autologous reservoir of growth factors from patient's own blood
- Proven role in the healing of soft and hard tissues (Marx 2004)
- Growing body of literature in the treatment of skin with 1-3 i.a. injections in studies with 6-12 month follow-up
- Mechanism of action comprises anti-inflammatory activity and activation of cell-signalling cascades (Barry 2001, Sevens 2004)
- Key role in new matrix synthesis for tissue regeneration

ONE STEP PROCEDURE ; CLOSED SYSTEM



CELLULAR MATRIX™ PRODUCT CHARACTERISTICS

- Contains 2ml of natural, non-crosslinked, fermented HA (1,550 kDa) at a concentration of 20 mg/ml (40 mg total) in addition to the thixotropic cell-separation gel
- Provides 4ml of the A PRP-HA combination in a closed system with a single gesture from 4 ml of autologous blood
- Immediate formation of a cell-friendly HA network in which platelets are dispersed
- Significantly higher viscosity than A-PRP
- Potential for increased residence time and growth factor release in joint
- Positive impact on cell migration and differentiation
- Treatment regimen of up to 3 i.a. injections
- 3 standard Regen pharmaceutical-grade glass tubes packaged in double blister, sealed with 2FS Tyvek® in accordance with ISO 11607