



Cellenis® PRP

Skin and hair rejuvenation

Cellenis® PRP is an easy to use system for the production and purification of platelet rich plasma ("PRP") using a patient's own blood. The unique technology of Cellenis® PRP provides a safe system to harness the body's own ability to regenerate skin and hair.

Platelets play a pivotal role in the healing and rejuvenation of soft and hard tissues. These effects are a result of the unique growth factors stored in the platelet's granules which contribute to the recruitment of other cells participating in the tissue healing processes. These pathways create synergistic and anti-aging effects resulting in tissue regeneration via:

- Fibroblast proliferation
- Stem cells proliferation and differentiation
- Production of collagen
- Angiogenesis

The unique separation gel in the Cellenis® PRP system enables an optimal PRP biological profile:

- Adjustable high platelet concentration by controlling plasma volume, based on specific application requirements (1.6-10 fold increase)
- Platelet yield of 90%
- Elimination of catabolic erythrocytes and significant reduction of the catabolic granulocyte population
- Maintaining the mononuclear population - known to activate anabolic processes
- Simple and rapid preparation, with sterile components individually packaged
- Biocompatible and xeno-free system, minimizing safety concerns
- Approved medical device by the European (CE) and USA (FDA) Regulatory Authorities (510k FDA cleared*)
- Manufactured in clean rooms, under EN ISO 13485 and ISO 9001 Quality System International Standards
- Proven clinical efficacy

Average results from a clinical evaluation to characterize the Cellenis® PRP system. Data refers to platelet concentration after discarding 40%-50% of the clean plasma volume.

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Platelets concentration fold	X 4 - 5
RBC (10 ⁶ /ul)	0.0
WBC (10 ³ /ul)	0.2
• Granulocytes	8.5% <small>from WBC</small>
• Mononuclear cells	86.2% <small>from WBC</small>
PDGF (pg/ml)	2048
VEGF (pg/ml)	220
EGF (pg/ml)	269

*For orthopedic applications



Treatment with Cellenis® PRP provides the following aesthetic benefits:



- Improvement and smoothing of skin texture
- Reduction of aging signs such as age, spots and wrinkles
- Reduction of dark circles below the eyes
- Reduction of acne scars and stretch marks
- Improved skin moisturization
- Increase in skin density and vitality
- Improvement of the natural appearance of the face

Area of hair loss

Sun-damaged and aged skin

Around the eye

Cheeks and mid-face

Nasolabial folds

Jaw Line

Sagging skin of the neck

Back of the hands

Décolletage



Clinical studies have shown the positive outcomes of the Cellenis® PRP system on facial regeneration, scarring and hair restoration. As an autologous system, safety concerns with Cellenis® PRP use are minimal; the PRP produced is non-allergenic and free from concerns over transmissible diseases. Cellenis® PRP may be used for sensitive areas such as the delicate skin below the eyes, and may also be combined with other treatments and technologies to stimulate the biological effect.