

# IMPACT

Platform for Autologous Cell Therapies



AUTOLOGOUS CELL THERAPIES –  
Natural healing impulse

 PLASMA**CONCEPT**

# IMPACT

Platform for Autologous Cell Therapies



## NATURAL HEALING PROCESS

Autologous cell therapies take advantage of the body's own healing powers and the underlying regeneration mechanisms.

In case of an injury, a multitude of complex interlinked healing processes takes place in the body. Platelets (thrombocytes) play a central role here. They release growth factors, which in turn promote vascularisation and cell division, as well as attracting undifferentiated stem cells that differentiate into the required cell types at the site of the damage.

At the same time, the body creates anti-inflammatory cytokines that reduce tissue inflammation, e.g. in the case of degeneration or acute injuries.

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## AUTOLOGOUS CELL THERAPIES – Activate the healing powers of your body

Autologous cell therapies are based on these natural healing processes. Cells, cytokines, and growth factors are separated from the patient's blood and concentrated.

They are then applied to the injured area, where they naturally assist the body's healing process. Regeneration can be accelerated, inflammation reactions can be reduced, and pain relief can thus be achieved without medication.

Different cell therapies are used for different diseases and defects.

Depending on the diagnosis, your doctor decides whether plasma rich in thrombocytes should be used with or without leukocytes, whether it is applied in liquid or gel form, or whether a cell-free conditioned serum might provide the best stimulus to healing.

- ✓ 100% endogenous
  - ✓ 100% natural and biological
  - ✓ Very well tolerated
  - ✓ Fast healing
  - ✓ Effectiveness proven in studies<sup>1</sup>
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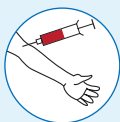
# IMPACT

Platform for Autologous Cell Therapies

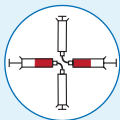
Your doctor uses the IMPACT platform, a system that can produce a variety of autologous cell therapies. After centrifugation, its innovative sensor technology automatically separates the components from your blood that can provide the greatest healing impulse for your symptoms.

Together, you and your doctor will choose the best autologous cell therapy for your complaints.

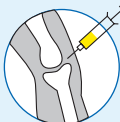
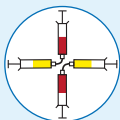
## TAILOR-MADE CELL THERAPY



**Your doctor takes a small amount of blood from the vein in your arm.**



**Your blood is centrifuged in the IMPACT platform and the cell therapy is separated automatically.**



**Your doctor injects your personalized autologous cell therapy into the defect site.**

All IMPACT therapy options are prepared in a closed, fully automated system.

- ✓ High therapeutic safety
- ✓ Reliable results
- ✓ Excellent cell yield

# AUTOLOGOUS CELL THERAPIES POTENTIAL APPLICATIONS



**OSTEOARTHRITIS**



**TENDON INJURIES AND  
TENDINITIS**



**MUSCLE INJURIES**



**BONE INJURIES**



**SUPPORTING THE  
HEALING PROCESS  
AFTER SURGERY**

<sup>1</sup> For example:

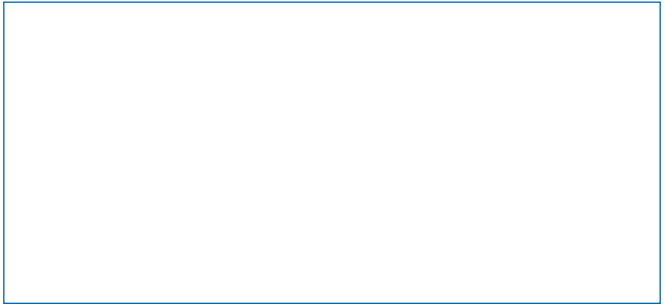
Filardo G et al (2015): Platelet-rich plasma: why intra-articular? A systematic review of preclinical studies and clinical evidence on PRP for joint degeneration; Knee Surg Sports Traumatolog Arthrosc 2015, 23: 2459-2474

Frisbie DD (2015): Autologous-conditioned serum: evidence for use in the knee; J Knee Surg. 2015 Feb, 28(1):63-66

## THE COMPANY

At Plasmaconcept, we aim to preserve joints for as long as possible and enable patients to live an active and pain-free life. We measure all our products against this goal.

## YOUR NEXT APPOINTMENTS



## ANY QUESTIONS?

**Contact your doctor anytime.**

Contact details (stamp)

