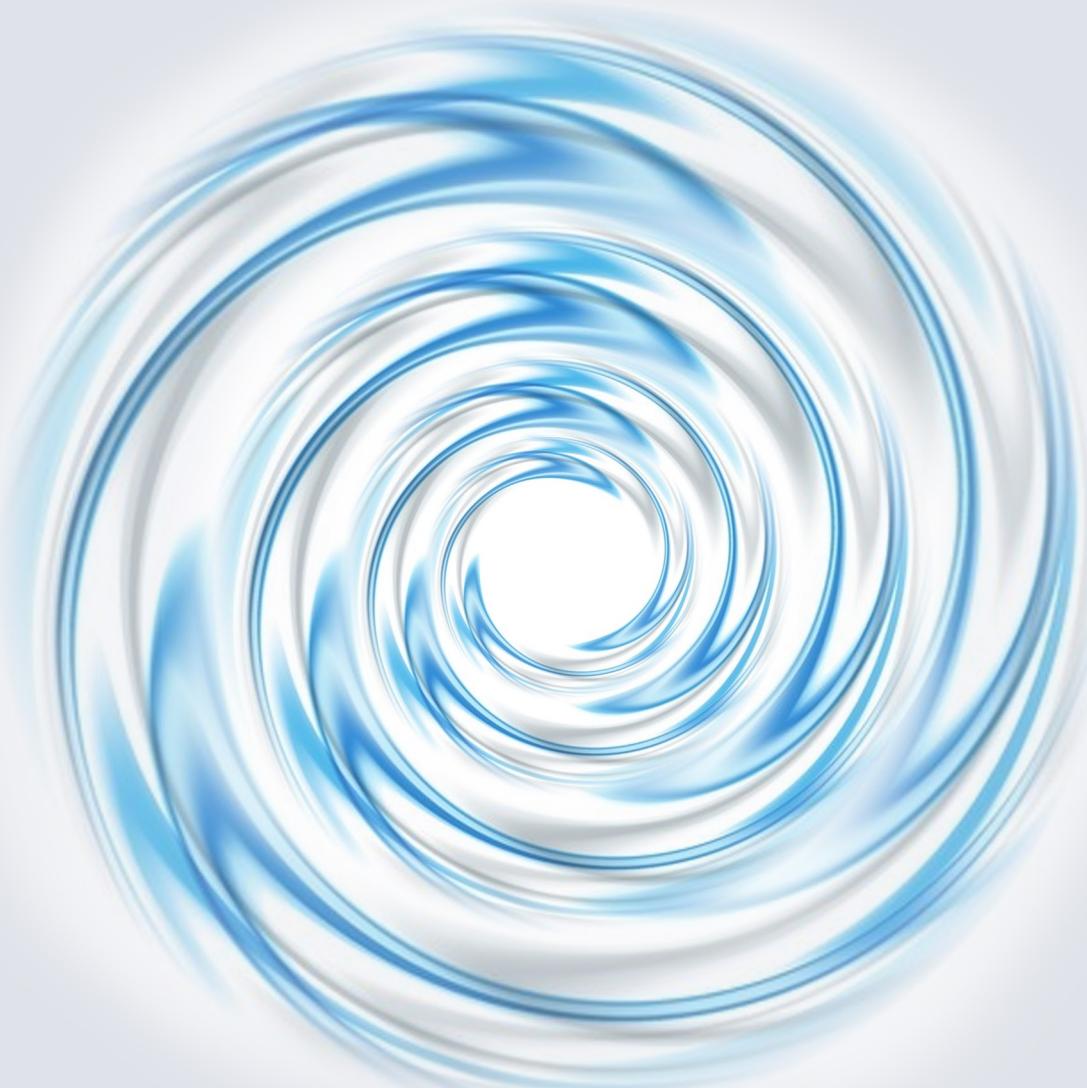


CHOUKROUN PRF™ SYSTEM



WELCOME
in the new concept of
« SMART BLOOD GENERATION »

New centrifuge with switch button: 3 positions



switch button



BOX



Bowl



Mini tray



Blood Collector

THE CONCEPT

The concept of **CHOUKROUN PRF™** (Platelet Rich Fibrin) is based on the centrifugation of whole blood without anticoagulants.

NEW - 2 «SMART» protocols

Advanced - PRF: choukroun **A-PRF™**

Fibrin clot containing the majority of platelets & white cells.

Injectable - PRF: choukroun **i-PRF™**

Liquid containing the majority of the platelets, white cells & numerous stem cells.

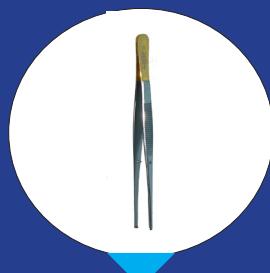
THE OBJECTIVE

Accelerate the soft tissue and bone regeneration:

- by the action of fibrin as a provisional extra cellular matrix
- by the stimulation of growth factors released into the site (VEGF, PDGF, TGF, Beta, Thrombospondin, BMP)
- by the presence of mesenchymal stem cells.



Scissors



Forceps



Pad



Compactors



Double Spoon

Advanced-PRF™ : the potential of fibrin, platelets & white cells

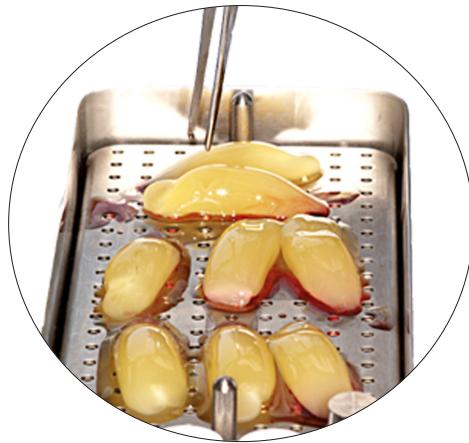
A-PRF™+

Indications

- oral surgery
 - implantology
 - bone grafts
 - sinus lifts
 - soft tissue surgery
 - socket preservation
- orthopedics
- regenerative medicine
- dermatology
- aesthetics



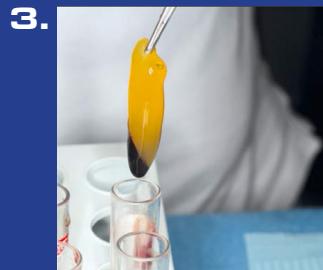
BoX



A-PRF™ clots in the BoX



A-PRF™ TECHNIQUE





a “smart” blood concentrate

Many studies show the potential of white cells in the inflammatory cascade. It was therefore natural to try to capture the whole amount of white cells in the **PRF™** to make it more active in stimulating bone grafts and at the same time to turn to a more rapid transformation of monocytes into macrophages in order to increase bone stimulation. After intense scientific research, a specific tube was developed : **A-PRF™+**

THE OUTCOME

The in vivo tests of **A-PRF™** show a faster vascularization after 2 weeks than with classic **PRF™** (L-PRF) the clinical results show more efficiency in soft and hard tissue healing.

CLINICAL CASES *(more pictures & videos on www.a-prf.com)*



A-PRF™ & Soft tissue



A-PRF™ & Extraction



injectable-PRF: the potential of fibrinogen, platelets, white cells & mesenchymal stem cells

i-PRF™

Indications

- ▶ oral surgery
 - *implantology*
 - *bone grafts*
 - *sinus lifts*
 - *soft tissue surgery*
 - *socket preservation*
- ▶ orthopedics
- ▶ regenerative medicine
- ▶ dermatology
- ▶ aesthetics



Succsion with a needle

liquid

i-PRF™ TECHNIQUE



1.



2.



3.



4.



a “smart” blood concentrate

The use of platelet concentrates in liquid remains an important indication in various applications. Therefore we focused our research to a blood concentrate enriched with white cells to increase the healing properties while retaining the principle of centrifugation without anticoagulants and additives.

THE RESULT

The new protocol **i-PRF™**. This “**SUPER PRP™**“ can be applied in two ways:

- injected into the tissue, it increases vascularity and participates to formation of new collagen.
- injected into the particles (biomaterials): the bone graft becomes solid in 1 minute.

CLINICAL CASES *(more pictures & videos on www.a-prf.com)*



injection of the i-PRF™



Clotting of the steak



maxilla and mandible after 1 week



ORTHOPEDICS, REGENERATIVE MEDICINE & AESTHETICS

Injections of growth factors in the joints, tendons and skin are used to treat successfully acute and chronic injuries and rejuvenation.

SPECIFICITIES OF THE I-PRF

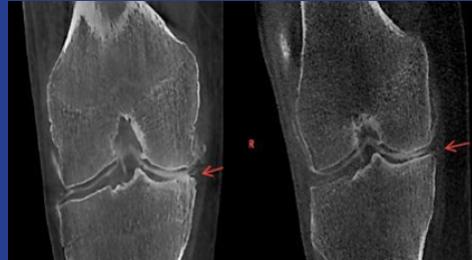
- No additive, no anticoagulant, no gel.
- High concentration of white cells than PRP (around 20x)
- High concentration of plasma protein and fibrinogen
- The low speed spin save numerous mesenchymal stem cells
- Clots spontaneously after injection. (no need adjunction of calcium chloride or thrombin)



ELBOW



KNEE



OSTEOARTHRITIS

THE RESULT

It accelerates the natural healing response of the organism. Also, it regulates the proliferation and cell differentiation while stimulating the formation of new cells: skin, tendon, muscle, vascular or synovial. The combination of high concentration of white cells and stem cells is the best way to achieve the faster tissue regeneration.

INDICATIONS

- Tendonitis, osteoarthritis, tears and sprains of ligaments, bone grafts, tissue and bone regeneration
- Regenerative medicine, reconstructive and aesthetic surgery, hair loss and alopecia, fat grafts, scars
(in combination with A-PRF)



ALOPECIA



REJUVENATION



ACNE

COURSES

PRF™ Course: A-PRF™ & i-PRF™

Phlebotomy course



We share our knowledge and experience!

A-PRF
CHOUKROUN

i-PRF
CHOUKROUN

PRF COURSE

1 DAY PROGRAM

Register now !


by Dr J. Choukroun

A-PRF
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CHOUKROUN

PRF COURSE

2 DAYS PROGRAM

Register now !


by Dr J. Choukroun

Find all the course dates on our website: www.syfac.com

EVIDENCE BASED

CHOUKROUN PRF™ SYSTEM:

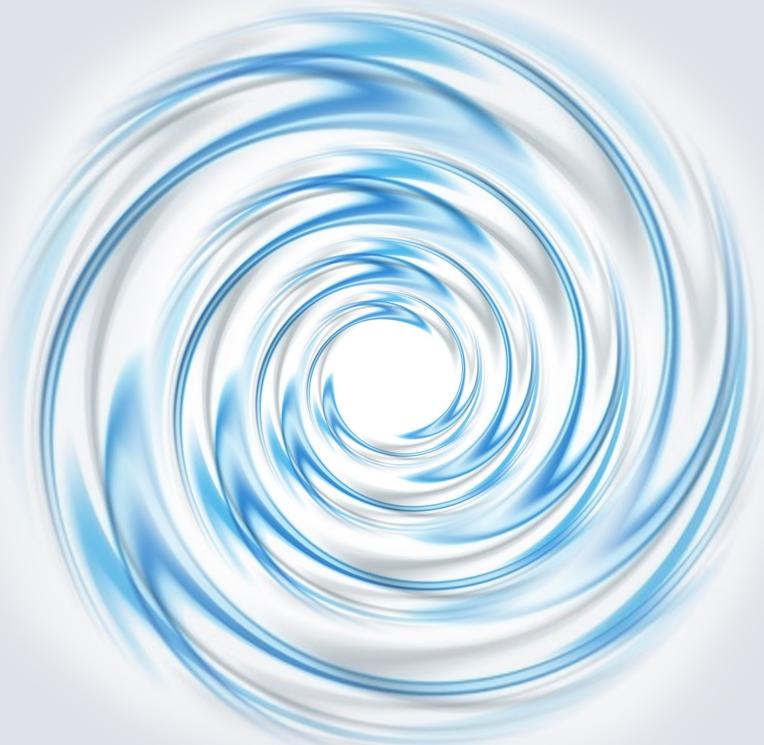
More than 300 scientific publications available.

Numerous lectures, talks and hands-on courses can be found all around the globe.

The complete liste of publications : www.a-prf.com

The complete liste of courses : www.syfac.com





PROCESS FOR PRF™
CHOUKROUN

Platelet Rich Fibrin

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