

## PREPARATION OF BLOOD CONCENTRATES

The preparation of platelet-rich fibrin (PRF) is a relatively simple process that can usually be performed directly in the dental office.

1. Venipuncture: first, a small amount of blood is taken from the cubital vein of the antecubital region of the patient.
2. Centrifugation: The blood is placed in special tubes suitable for centrifugation. Here, the blood components settle separately from each other. Depending on the speed and duration of centrifugation, the solid or liquid blood concentrate is located in the upper part of the tubes.
3. After centrifugation, the blood concentrate is carefully removed from the tube. It contains a high concentration of platelets, white blood cells, growth factors and other biologically active substances.
4. The blood concentrate obtained can now be used directly in dental treatment.

The entire process usually takes no longer than **30 minutes**.

The procedure and application of a blood concentrate treatment may vary, depending on the individual case and your specific needs.



*PLEASE ASK YOUR DENTIST FOR FURTHER ADVISE REGARDING WHETHER TREATMENT WITH BLOOD CONCENTRATES IS AN OPTION FOR YOU.  
(PRACTICE STAMP)*



**BLOOD  
CONCENTRATES**  
for improved healing

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## BLOOD CONCENTRATES: WHAT'S THAT?

Blood concentrates are concentrated products, so-called blood derivatives, obtained from blood. They contain growth factors and a variety of other regenerative components.

They are used to support natural healing processes in the body and to promote and accelerate the regeneration of tissues and bones, e.g. during the provision of implants, the removal of wisdom teeth or periodontal treatments.

In general wound healing and the effectiveness of blood concentrates are positively affected by:

- Hydration (at least 1,5 liters water per day)
- High quality nutritional intake
- Avoidance of processed food and sugars
- Intake of micronutrients and vitamins, especially vitamin D in combination with vitamin K

## BENEFITS OF TREATMENT WITH BLOOD CONCENTRATES

### NATURAL

In using blood concentrates, only the body's own biological resources act and **promote** healing. This minimizes the risk of side effects.

### FAST & EASY TO USE

Thanks to the concentrated growth factors, blood concentrates **accelerate** the healing process and **improve** the results of a treatment such as implantation, tooth extraction or periodontal therapy.

### EFFECTIVE

Faster healing times mean **less** pain and discomfort after treatment, making your recovery noticeably more **comfortable**.

## TREATMENT FIELDS

### Implantation

- accelerated healing process
- promotion of bone regeneration around the implant
- shortened healing time

### Treatment of tooth socket, e.g. after tooth extraction

- less discomfort or swelling
- faster recovery
- fewer risks from possible complications e.g. infections

### Periodontal treatment

- improvement of wound healing, e.g. in the case of gingivitis, periodontitis
- support of the regeneration of damaged tissue

### Bone augmentation

- Promotion of bone regeneration
- Guided Open Wound Healing

### Treatment for jaw joint disfunction

- pain relief in treatments of patients with disorders of the mandibular joint

