

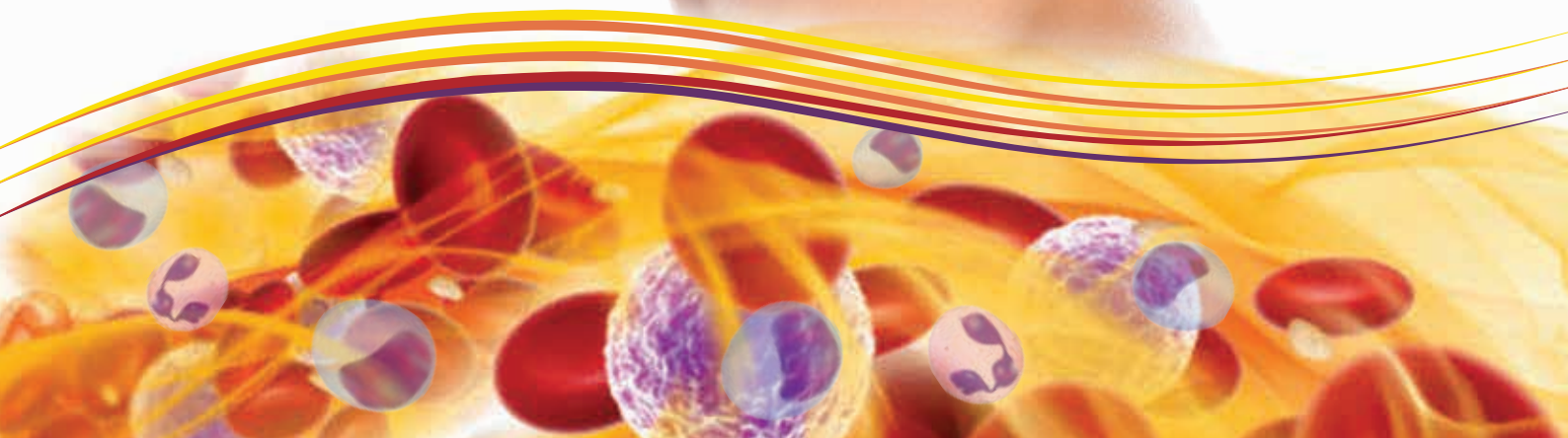


# Prizmah

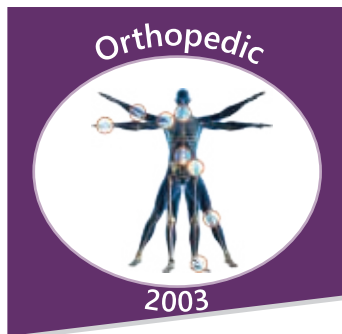
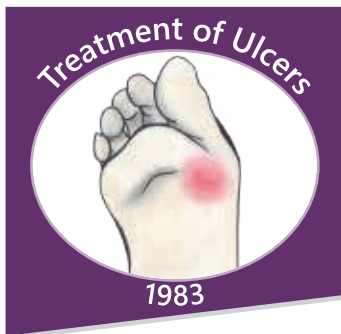
Autologous Platelet Rich Plasma System



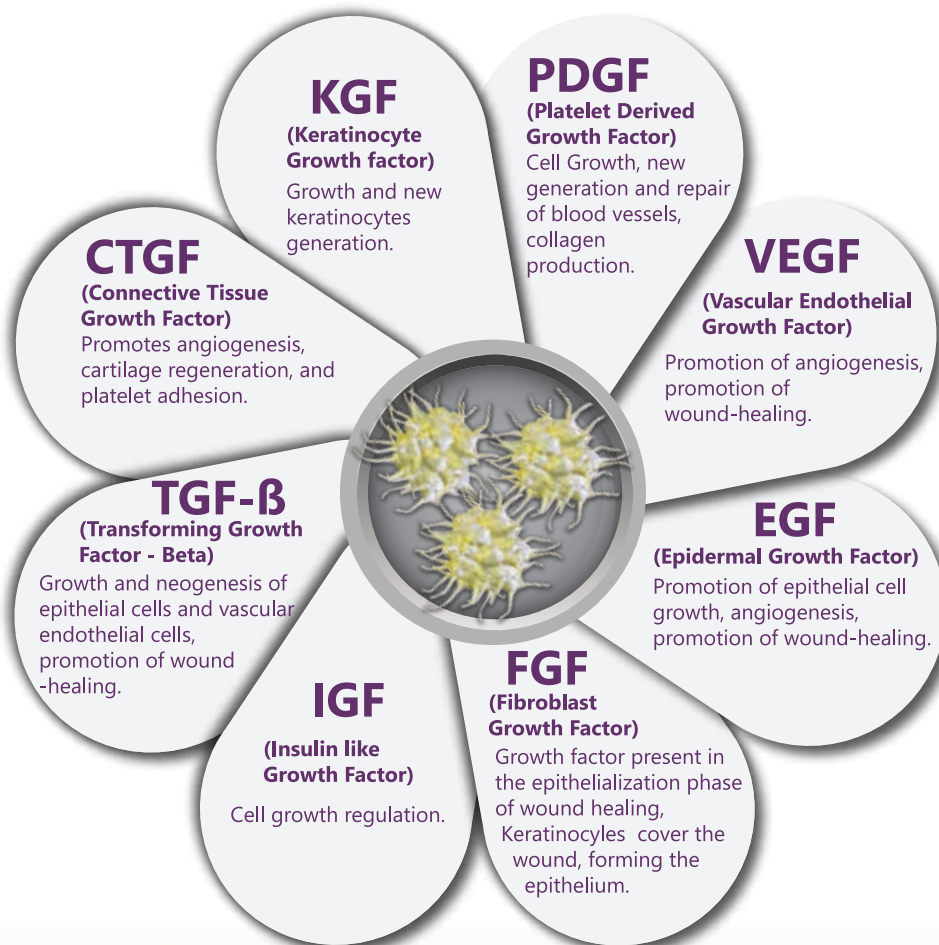
Beauty  
Within



Revolutionary new treatment has been discovered and is currently being accepted as a great advancement in the regenerative medicine world. The Platelet-Rich Plasma (PRP) treatment is an evolving component of different regenerative human medical procedures. Since the discovery in the 1980s, PRP is now being used in wide range of regenerative & healing medicine.



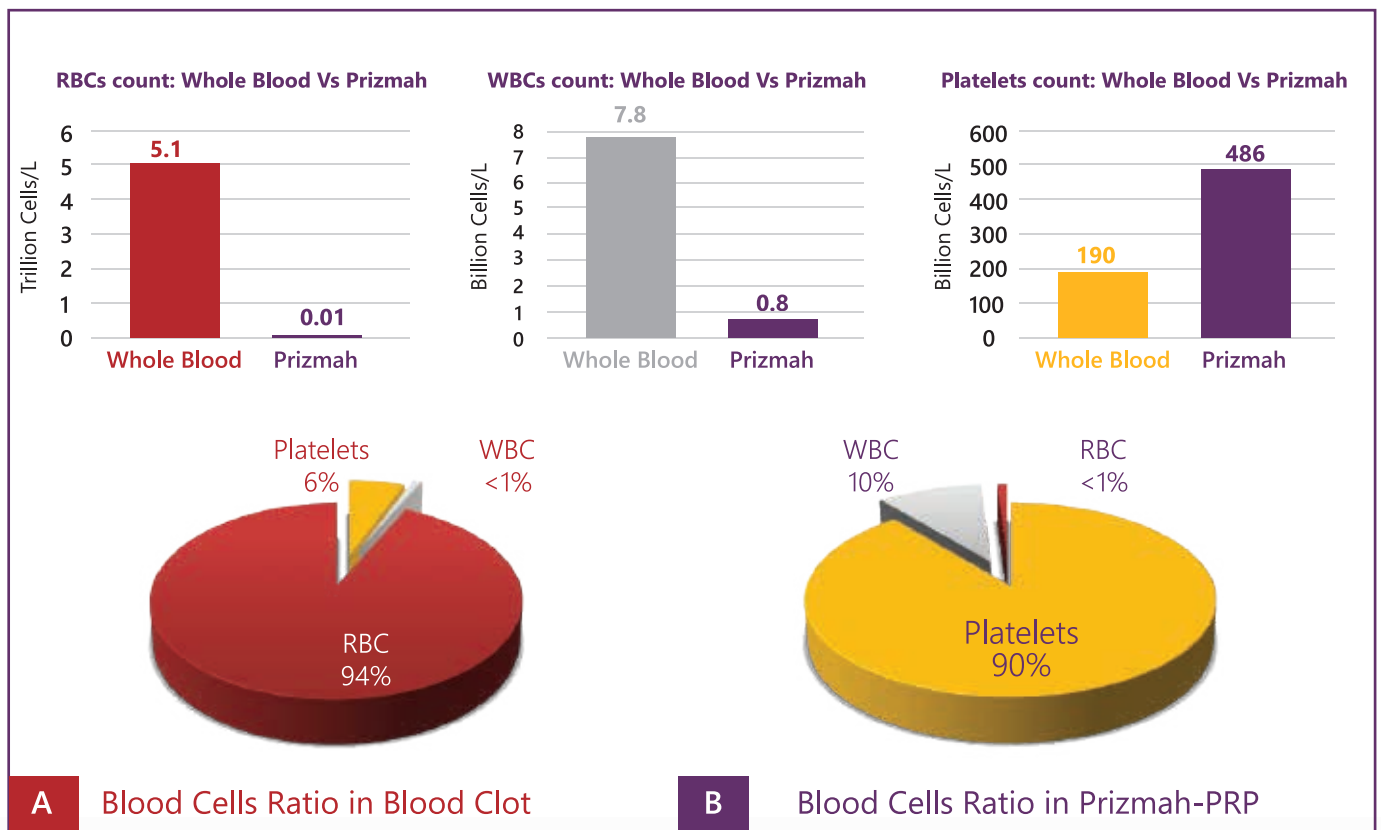
The rationale for the widespread use of PRP in multiple medical specialties resides in the fact that platelets represent an easily accessible reservoir of critical growth factors and other signaling molecules, including leukocyte derived catabolic cytokines and fibrinogen. The degranulation of platelets released growth factors and bioactive proteins from alpha granules, which are responsible for attracting macrophages and mesenchymal stem cells and may govern and regulate the tissue-healing process.



**Prizmah** is a proprietary medical device designed for the preparation of autologous platelet-rich plasma, manufactured under cGMP, EN ISO 13485 and ISO 9001 Quality System International Standards. The philosophy is to merge cutting edge technology with the body's natural ability to accelerate the regeneration of soft tissues. The key features and benefits of **Prizmah** are given below:

Features	Benefits	Features	Benefits
Technically Advanced Gel Separator	Produces pure PRP devoid of contaminating red and white blood cells. (NO NEED OF FILTRATION)	Removes 99.8% RBC	Reduces the risk of oxidation & free radicals generation, leading to inflammation, vascular injury and cell death. Which can also lead to Hemosiderin staining from iron oxide (rust).
Removes 90% WBC	Reduces the risk of inflammation, local pain & tissue damage.	Remnant of 10% WBC	Assists to fight infection and enhance anabolic effects of PRP.
Constant Platelet Concentration	Allows predictable results.	Maintain 7.4 pH of PRP	No burning pain during and after PRP injection as it is in the range of blood pH.
Biocompatible and Xeno Free Closed System	Minimises the safety concern and exposure of PRP in air, virtually eliminates the risk of contamination.	PRP Collection Tube	Allows to keep the PRP up to 4 hours, without the risk of mixing with separated cells.
0.03ml CaCl <sub>2</sub> PRP activation Tubes	Results in degranulation of platelets to sustained release of growth factors and bioactive proteins from alpha granules. It also allows the physician over 15 minutes of time to inject the PRP before it forms fibrin gel.		

## Comparison of RBCs, WBCs & Platelets between Whole Blood & Prizmah



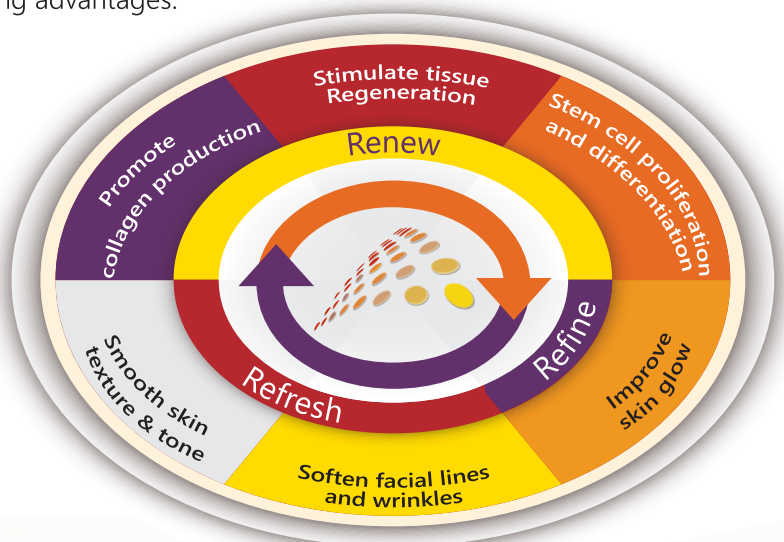


## *Renew, Refine, Refresh . . . . Naturally*

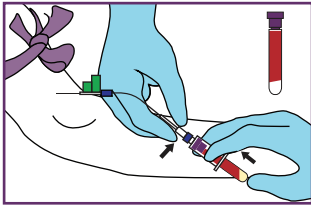
Skin aging is a continuous process which can be accelerated by genetics, facial expressions and extrinsic factors like a poor diet, smoking and sun exposure. These all cause oxidative stress, a key component of the aging process, that appears as fine lines, hyperpigmentation, unevenness of skin tone, sagging skin and advanced wrinkling.

**Prizmah** is a form of bio-stimulator that is safe and creates an immediate, long lasting volumetric effect with natural looking results. **Prizmah** offers following advantages:

- **Prizmah** is used for stimulation of both superficial and deep dermis layers.
- **Prizmah** must be injected into the deep dermis or subdermal tissues when using as filler.
- The superficial injection might be done by mesotherapy technique in order to improve the skin texture, elasticity and hydration.



## Prizmah Preparation Steps



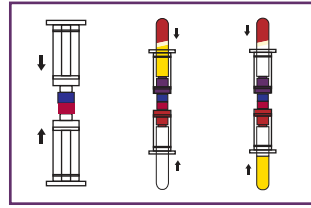
### 1 Collection

Collect the blood in PRP tube through butterfly needle; the PRP tube will take 9ml blood.



### 2 Separation

Place the PRP tube with blood in centrifuge. The platelets are separated with plasma from the rest of blood cells within 6 minutes.



### 3 Activation / Collection

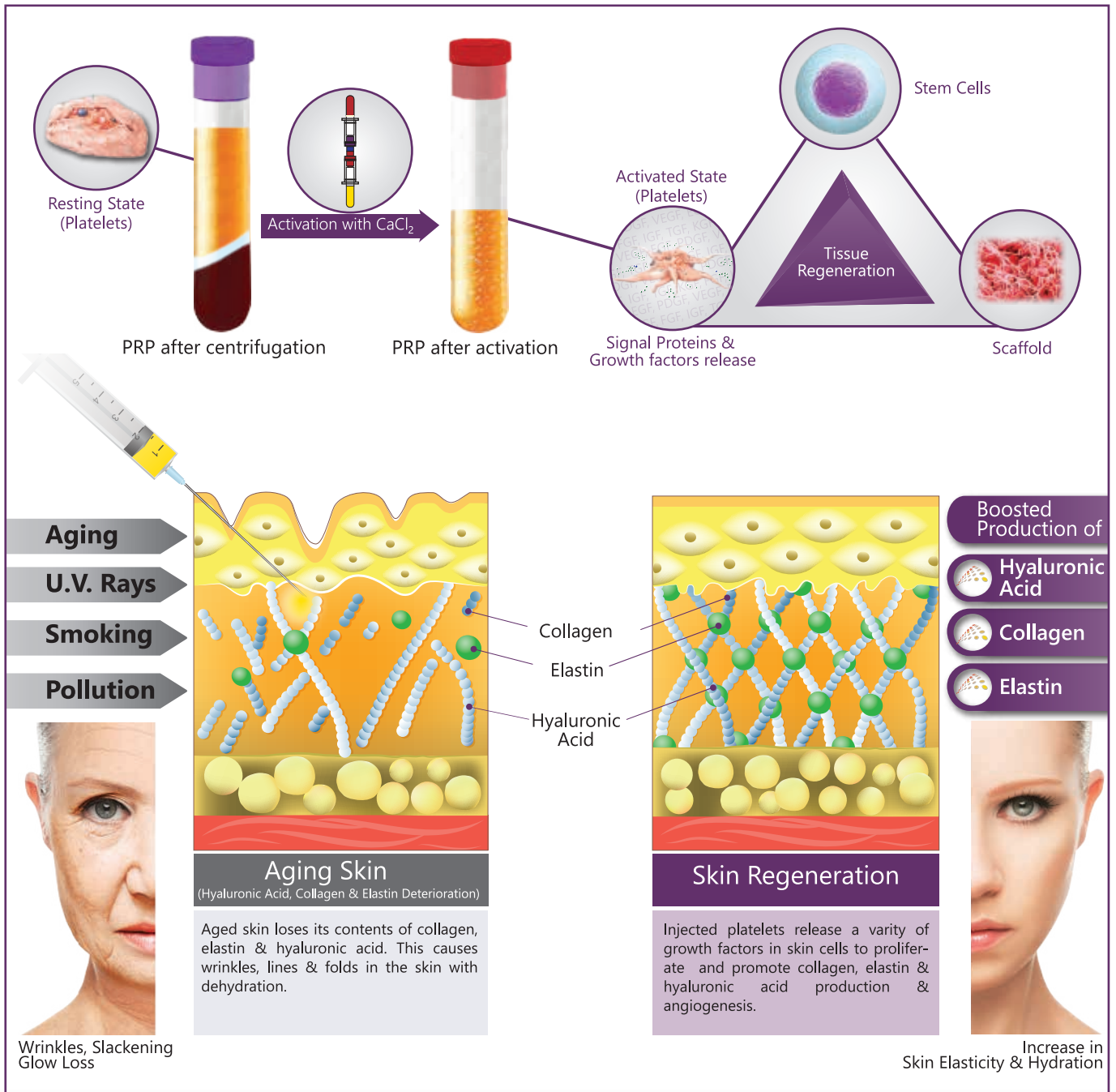
Transfer PRP into PRP activation tube or collection tube as needed through closed system transfer device.



### 4 Application

Apply on the selected areas of the skin according to the protocol.

## Schematic diagram of activated PRP with mode of action



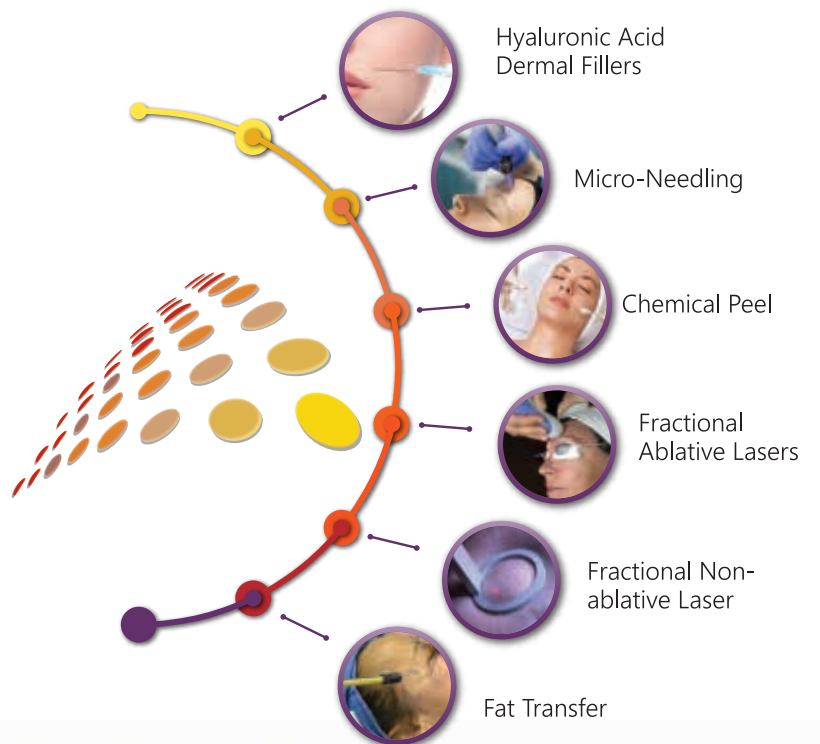
## Prizmah Aesthetic Application



## Prizmah in Other Applications



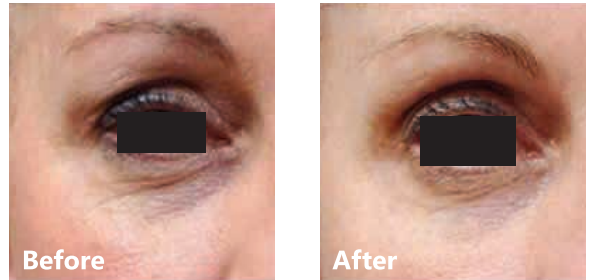
## Prizmah in Combination



## Clinical Results



Forehead Lines



Under Eye Dark Circles



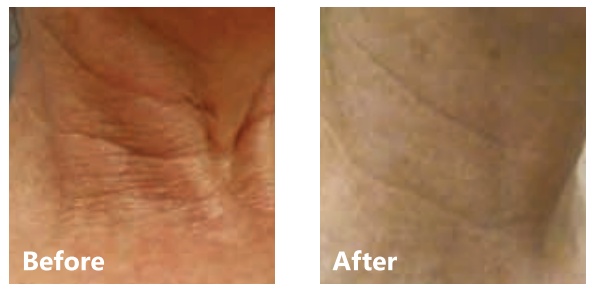
Crow's Feet



Nasolabial Fold



Acne Scarring



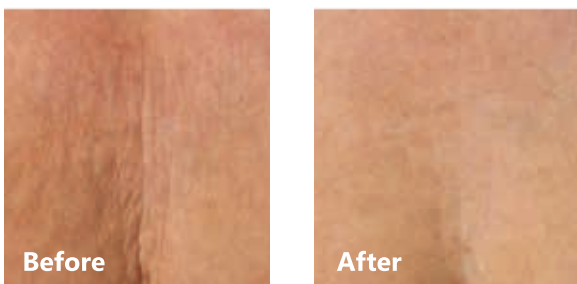
Neck Lines



Hair Loss



Stretch Marks



Décolletage



Hand Rejuvenation



- Exhibits technically advanced gel separator which removes almost all of the RBCs & WBCs in the PRP, thus produces pure PRP (no need of filtration).
- Offers high platelet concentration in PRP.
- Easy to use, takes less time, requires less blood and is not user dependent like other systems.
- In Prizmah, blood and PRP are not exposed to air/oxygen during the process, i.e. Biocompatible & Xeno Free Closed System.
- The anticoagulant in Prizmah is sodium citrate which has a close to physiologic pH (7.4), thus no burning pain during & after PRP injection.
- Offers complete system of activation of PRP, results in degranulation of platelets to sustained release of growth factors and bioactive proteins from alpha-granules.

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