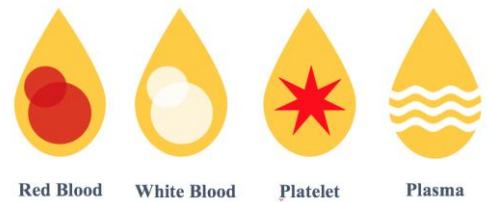
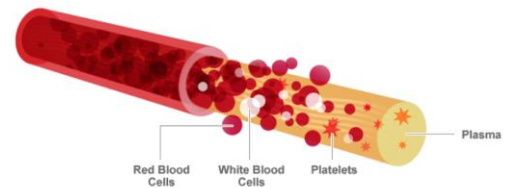


Platelet Rich Plasma (PRP)

Platelets are a normal component of human blood, best known for assisting in helping blood to clot when we bleed. Whenever we have an injury such as a bruise, a cut or scrape, blood vessels are ruptured. Platelets in our blood are the chief components in our blood that immediately set about stopping bleeding and begin the healing and regenerative process. Several decades ago, some clinicians began using a centrifuge to separate out platelets from patient's blood in an attempt to harness the power contained in the platelets. By separating plasma containing platelets from red blood cells, the platelets are also more concentrated than when they are in your whole blood. Hence the term, platelet rich plasma.



It soon became apparent that these isolated platelets contain healing growth factors that give instructions to your tissues to regenerate and multiply. This accelerated healing process has been shown in orthopaedics, dental, reconstructive surgery and in dermatology. Then clinicians discovered new benefits of PRP in restoring skin to a more youthful appearance and for hair thickening and regrowth.

Aesthetic clinicians are having remarkable success with skin rejuvenation and hair restoration in patients troubled by aging or damaged skin, thinning hair and/or hair loss

More about platelets...

Platelets are a specialized type of blood cell fragment in your own blood which are reservoirs of natural growth factors. Growth factors are a group of proteins that stimulate the growth of specific tissues.

Platelets rupture and release their growth factors when they find themselves out of their normal environment (which is in your blood vessels). Typically this occurs when an injury occurs to the body and blood vessels are ruptured. This could be due to an accidental cut or scrape or a bruise. The released growth factors then get to work building new blood vessels and new tissue. This will also happen when platelets are injected into treatment areas such as your skin.

Growth factors are important in healing and skin regeneration

- Growth factors stimulate collagen secretion, cell growth and tissue remodelling
- Growth factors stimulate development of new blood vessels and oil glands to improve skin nourishment
- Growth factors attract stem cells to assist in new tissue regeneration