



# PRP & THE BIOSTIMULATION FACELIFT

PRP IS TRANSFORMING THE FACIAL REJUVENATION MARKET WITH ITS ABILITY TO CREATE IMMEDIATE, LONG LASTING VOLUMETRIC EFFECTS WITH NATURAL-LOOKING RESULTS.

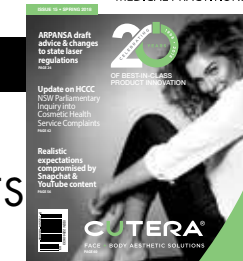
**P**latelet Rich Plasma (PRP) therapy has been used in healthcare for many years, but most recently it has enjoyed nothing short of cult status as an anti-ageing treatment. Apart from the wide use of PRP to accelerate wound healing, there is substantial clinical evidence regarding its use in other medical fields. PRP is now a powerful tool in aesthetic medicine and has the potential to correct lines and wrinkles, hollows, and dull, sagging skin.

Platelet Rich Plasma is blood plasma enriched with a higher concentration of platelets. These platelets contain a cocktail of beneficial ingredients, such as growth factors and cytokines that cause a cascade of anti-ageing activity after being re-injected back into the skin. Specifically, growth factors are involved in stem cell migration, differentiation and

proliferation, as well as stimulation of fibroblasts and endothelial cells to induce new collagen and blood vessel formation. As well as the platelets, the plasma itself contains many factors that are essential for cell survival. These include nutrients, vitamins, hormones, electrolytes and proteins. There are also essential molecules to help build a scaffold for the formation and migration of new cells.

A 2017 study published in *Dermatologic Surgery*\* found skin gross elasticity, skin smoothness parameters, skin barrier function and capacitance were significantly improved with PRP treatment.

'PRP is a unique product, from our own blood, that has the potential to help in all fields of tissue regeneration and tissue bioengineering,' says Adelaide cosmetic surgeon Dr Robin Chok, an advocate and leader in the field of PRP.



PRODUCTS & SERVICES

PRODUCTS

PRP & biostimulation

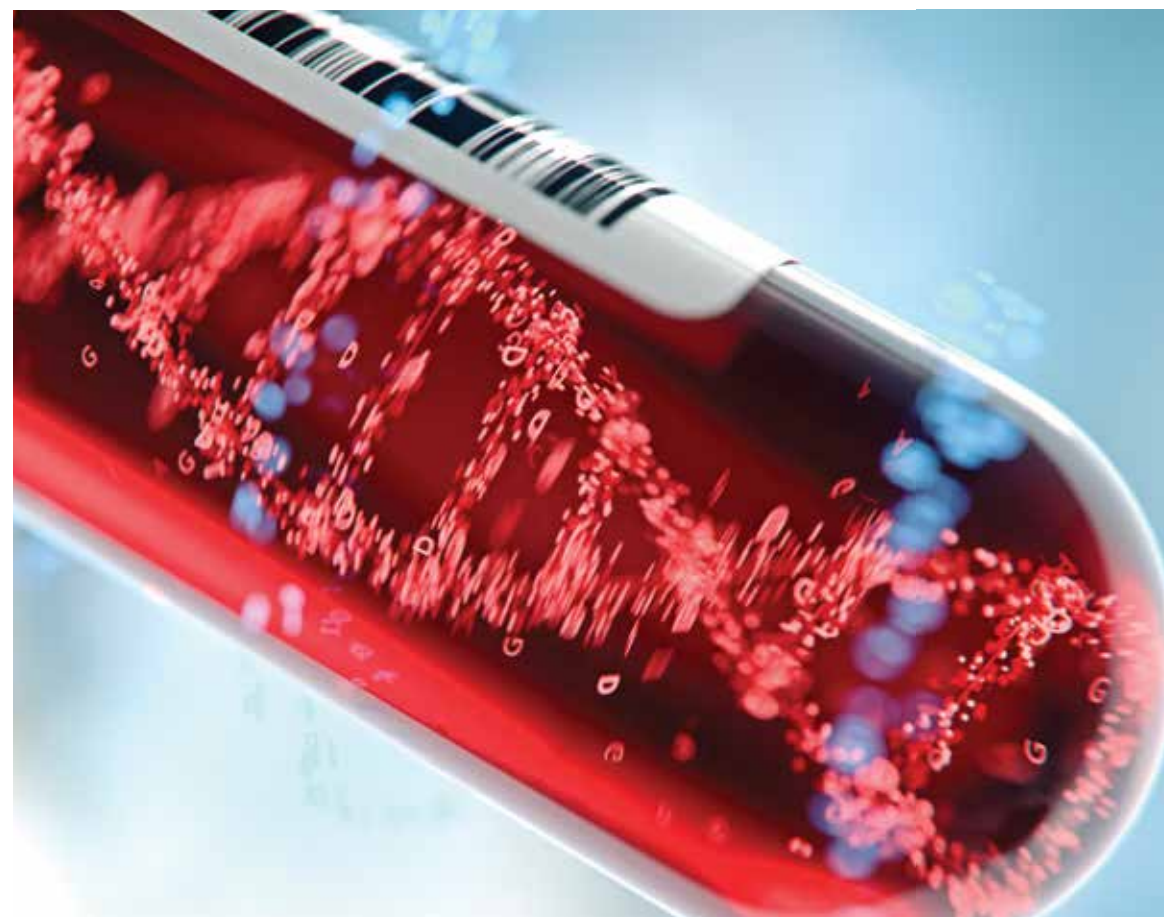
PRP biostimulation is a combination of procedures – PRP and HA injections – that stimulates the anabolic functions of fibroblasts, especially the production of type III collagen, elastin and hyaluronic acid.

Dr Chok is a staunch believer in the power of PRP and HA fillers, which he says produces a biostimulation facelifting effect to create superior results in terms of both aesthetics and longevity.

‘I became interested in PRP when I first heard about Dr Charles Runels’ famous Vampire Facelift procedure, which involves the use of dermal HA fillers with PRP,’ he explains. ‘The Vampire Facelift with the combination of common HA dermal fillers managed to close the gap between the potentials of a super-active growth factor-rich cellular accelerator (PRP) with the volumising lift of dermal fillers. The combination created a longer lasting and more predictable PRP result, especially in areas of the face and neck.’

Dr Chok has since redeveloped further the combination of PRP and HA using customised HA fillers blended together with RegenLab PRP tubes. ‘The combination of a more fluid, less dense HA and PRP creates an immediate strong biostructure known as bioscaffolding,’ he says. ‘By controlling the shape and density of the bioscaffolding of the PRP and HA, a more controlled and directional lift of tissue regeneration can be made possible.’

Dr Chok has observed that, without HA as a reservoir for the growth factors released by PRP, the effect of PRP generally lasts 15 to 30 days only, compared with the HA-PRP combination which offers more than 120 days of tissue growth stimulation. In addition, he



has found collagen and vascular matrix density increase as much as 100 per cent in most cases with the presence of HA bioscaffolding. HA is water permeable and hence cell friendly, allowing nutrients and cellular migration to happen freely and with ease.

‘The combination of the HA and PRP is adjusted to suit different compartments of the facial natural fat pads and deep fascial ligaments creates a natural lift which is rejuvenation of the face in its truest sense,’ he says. ‘This combination creates a rejuvenated substructure of the face and neck that is more than just new collagen growth. The whole environment of the facial tissue – that is muscles, ligaments,

fat pads and vascular blood circulation – are rejuvenated.’

‘Essentially, PRP combined with HA is a biostimulation of the local stem cells,’ he continues. ‘Stem cells in the area treated are reactivated by the PRP growth factors thus maintaining a longer repair and regeneration of tissue. The new tissue regenerated is actually younger and not just made to look younger as with dermal fillers alone. Hence, this is truly a new direction for tissue regeneration science and also anti-ageing medicine. Such treatment is much more advantageous than stem cell treatments which, at present, still are controversial and limited in progress and results.’

With this type of 3D biostimulation facelift, the original facial tissue structures are all preserved; this is crucial to avoid altering the appearance of the face. The face essentially looks fresher with a natural-looking direction of lift.

‘New techniques allow the procedure to be performed quicker, with less pain and virtually no bruising,’ says Dr Chok. ‘Costing per procedure becomes more affordable too as less treatments are required to achieve an optimal result. I truly enjoy seeing my PRP-HA facelift patients come back annually for their maintenance procedure; they look more youthful and glowing than they did when we started in 2012!’

Combined PRP and HA therapy has successfully been used to enhance facial volume, plump and fill in fine lines and wrinkles, and promote a more youthful and radiant complexion. It can be used in the delicate areas around the eyes and mouth, where dermal fillers, lasers and neurotoxins may not be as effective.

RegenLab PRP: your first choice in PRP systems

Not all PRP systems are the same. RegenLab PRP was the first to market PRP in the Australian aesthetic arena back in 2007 and continues to lead the industry today. With more than 162 clinical papers published, RegenLab provides evidence-based medicine for all uses of PRP. RegenLab PRP obtains quality large dense platelets. The content of growth factor release per platelet is higher in RegenLab PRP than in competitor systems. Put simply, it is a proven system using optimal concentrations for optimal results.

With RegenLab PRP, most of the growth factors are in the platelets. These growth factors are released at the site of injection in an orchestrated manner by the activated platelets, thus providing the right dose and the right growth factor cocktail at the right time of tissue reconstruction.

RegenLab PRP yields quality platelets with full functionality in physiological conditions (pH 7) with virtually no undesired cellular contaminants in the highly therapeutic domain in which RegenLab PRP has been tested. RegenLab’s five minute harvesting time ensures viable dense platelets are captured that, in turn, release abundant growth factors. Designed to yield the optimal concentration of blood platelets, it gives practitioners the option to increase the platelet concentration to four times the patient’s baseline if required.

*\*Autologous Pure Platelet-Rich Plasma Dermal Injections for Facial Skin Rejuvenation: Clinical, Instrumental, and Flow Cytometry Assessment. Cameli, Norma MD, PhD\*; Mariano, Maria MD\*; Cordone, Iole MD, PhD†; Abril, Elva MD\*; Masi, Serena PhD†; Foddai, Maria Laura MD. Dermatologic Surgery: June 2017 - Volume 43 - Issue 6 - p 826-835*

NEW TECHNIQUES ALLOW THE PROCEDURE TO BE PERFORMED QUICKER, WITH LESS PAIN AND VIRTUALLY NO BRUISING. 9

For more information call RegenLab PRP on 02 9496 1426 or visit [www.regenlabprp.com](http://www.regenlabprp.com)