

Stars Therapy: “Development of Ideal Management for Complex Wounds with Platelet Rich Plasma Biotechnological Intervention”

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Abstract—In this paper we discuss the Biotechnological Intervention - “STARS Therapy” :Sandeep’s technique for assisted regeneration of skin, for management of complex wounds which are chronic and infected, such as with huge skin losses, diabetic ulcers, pressure ulcers etc with the Bio-technological Intervention with autologous Platelet Rich Plasma (PRP), a regenerative medicine product.

The current management for such complex wound management needs huge resources, which includes multiple surgical intervention including skin reconstructions ,drugs such as Antimicrobial /antibiotics, Analgesics, and Intense local care & dressing including Vacuum suction therapy etc.

An ideal wound management would be to assist the natural way without further need for surgery, medicines and intense local care. And a management which is accessible, affordable and bio safe.

The STARS Therapy is a complete makeover development different from the few attempts in literature wherein PRP has been used as Local Gel, topically over the wounds as an adjunct and addition to the standard wound care.

The protocol developed by the author is an innovative manner as local infiltration and mono therapy with PRP, for such wound management, towards complete healing. Two Pilot studies (on 25 Patients) have been done. First was using PRP as adjunct therapy and second developed as STARS therapy- PRP Biotechnological intervention as mainstay/ mono therapy therapy.

The results are very encouraging and shows remarkable improvement in outcomes.

It is concluded that perhaps with this intervention, we are looking at the ideal wound management where in no antimicrobial agents, analgesics, debridements and reconstructive surgeries or intense local care will be required to effectively treat such wounds.

“STARS Therapy a PRP biotechnological Intervention” might be the Future for wound management and a complete " Game Changer" benefiting hugely scores of patients suffering from such chronic conditions and morbidity.

Keywords: Complex wounds, Platelet rich Plasma biotechnological Intervention, Ideal wound management.