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Tissue regeneration in wound: Possibility to reality

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Wound is a huge health problem across the globe. Special services are built across the globe for wound care. In the open wound after injury the vascularity is highly compromised. With the loss of skin the underlying exposed tissues such as muscles, tendons and bones tends to undergo necrosis. At times, co-morbidities such as diabetes and presence of infections further leads to complexities. The current solutions for such wound management essentially involve their urgent removal and further tissue losses, consuming huge resources and leading to morbidities. Sandeep's Technique for Assisted Regeneration of Skin (STARS) therapy has been developed by the authors as solution for this complex wound problem. It is basically a monotherapy based on regenerative medicine for wound healing with Platelet Rich Plasma (PRP). With help of this technique angiogenesis is induced, built up around and over these tissues, leading to the regeneration of such grossly dead/dying tissues and eventually regeneration of skin, leading to complete wound healing. Till date in wounds the regeneration of tissues has never been achieved, though its possibility has been predicted through regenerative medicine products. For the first time these possibilities are being converted into realities by the STARS technique. In this paper we disclose evolution and clinical outcome of STARS therapy in these threatening situations. The STARS therapy is evolved with the intention of making the wound management safe, predictable and accessible across the globe including from primary care to tertiary care.

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