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Regenerative Care for Wound Management – A Novel Concept

Sandeep Shrivastava*, Priyal Shrivastava, Pankaj Kharabe and Sujatha
Datta Meghe Institute of Medical Sciences, India

In day to day practice, the wounds particularly complex ones like - infected and necrotising; with exposed tendons, bones, implants; Chronic & non-healing ulcers-pressure sore present a substantial clinical challenge. They need intense management with multiple surgical intervention, antimicrobial/antibiotics, analgesics and local care requiring huge resources, skilled manpower and experts. Despite best of care the results are unpredictable and may be associated with severe morbidity, at times. This study is undertaken to develop a comprehensive solution based on regenerative medicine for such enormous health problem. The Intervention “STARS therapy (Sandeep’s technique for assisted regeneration of skin)” with Autologous Platelet Rich Plasma (PRP) has been developed and clinically piloted on 300 wounds.

A new concept of “Regenerative Care is propagated through a mono therapy with PRP” based on triggering and assisting the skin regenerations in wounds. The results reveal a complete healing with control of infection, filling up of defects and assisted regeneration of skin. For the first time, reversal and revival of necrosis and devitalized tissues such as tendons, muscles and bones has been clinically achieved. The history of wound management over 4000 years have been till now have been consisting of mostly care of “in situ milieu” wounds through local applications & Dressings, Drugs and Devices such as negative suction etc. With development of regenerative medicine, we are looking into an exciting option and possibilities. The PRP is one of the simplest Regenerative medicine products having huge possibility of reproducibility amongst all health settings across the globe.

This novel concept of “Regenerative care and assisted skin regeneration for wound management is a comprehensive effective solution which will have a huge impact in improving wound care. The “STARS therapy” is a simple safe and effective solution and a complete Game Changer.

Biography:

Dr. Sandeep Shrivastava is the Director of Centre of Autologous Platelet Biotechnological interventions, at Datta Meghe Institute of Medical Sciences, Warda India. He is Director-Professor of Orthopaedics having done his MS, DNB and Ph.D. He is also Chief Executive Officer, Hospitals and Ex DEAN of JNMC. In the field of Regenerative Medicine, he has pioneered the wound management with PRP, by developing the clinical Protocol of “Sandeep’s Technique for Assisted Regeneration of Skin (STARS Therapy). His work is widely published and presented across the World. He has 2 books, 63 Publications and 76 presentations, including Orations, Key Note addresses, Guest lectures and Conducts workshops on the same.