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Stem cell peel

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Abstract

Chemical peels have been in the market for a while now as a popular, relatively inexpensive, and generally safe method of treatment to refresh and rejuvenate skin with the goal of stimulating new skin growth and improving surface texture and appearance. This talk focuses on one of the most advanced peels in the market, with a new Nano – technology which is called a Stem Cell Peel which is derived from the Malus Domestica (Green Apple) stem cells.

Stem Cell Peel is a biphasic peel i.e. it consists of two phases, a liquid phase and a solid phase.

All peels available in the market just remove layers of the epidermis, leaving it to heal by its self. The Stem Cell however; being a biphasic peel acts by:

1) Liquid phase: When applied to the skin it lysis the upper layers of the epidermis with the help of epidermal lysing factors.

2) The second phase of the Stem Cell Peel is the Solid phase: where in a cream that contains growth factors that are derived from the Malus Domestica(Green Apple) stem cells is applied. The solid phase apart from helping to neutralize the solution from the liquid phase, also promotes growth of new epidermal cells.

The new epidermal cells are rich in Epidermal Growth Factors (EGFs) which stimulate endothelial chemotaxis and promote angiogenesis, Vascular Endothelial Growth Factors (VEGFs) which enhance angiogenesis, Transforming Growth Factor Beta(TGF- B) which stimulate matrix synthesis. Stem Cell peels contain Kojic acid 1% ,Lactic acid 25%, Mandelic acid 3%,Gylocic acid 0.37% and Citric acid 7.29%.acting both as a Superficial as well as Medium-depth peel penetrating up to the epidermo-dermal junction. Repeated Stem cell peels cause slight thickening in the dermis thus leading to the reduction in fine lines and fine wrinkles. Since the peel rejuvenates the dermis and stimulates collagen synthesis, it is an effective anti aging peel. It can also be used on Scars. Especially atrophic and pigmented scars have been seen to respond well with this peel.In-vivo and in-vivo tests carried out by Biotex showed that Stem Cell Peel can treat Atrophic Scars. Sixteen Volunteers with atrophic scars all over the body were chosen and were treated with Stem Cell Peel. They all showed a marked improvement with two or three consecutive peels fifteen days apart. For one to get an optimum effect, 6-7 peels are recommended, 15-20days apart.

Stem Cell Peel is relatively inexpensive and generally safe method for treatment of vast skin disorders and to refresh and rejuvenate skin effectively with great results.

Biography

Geraldine Jain, the Director of Punarnawah Medical & Research Centre, graduated & post-graduated from Karnataka. She did her PhD from Trinity College, Lindon. She is trained extensively In Cosmetic Dermatology & Dermatosurgery. She has developed herself as a pioneer in the field of Cosmetic Dermatology & Lasers in Jaipur. Her main fields of interest are Acne & Aging Skin. She is faculty at many workshops & Conferences on Cosmetic Dermatology. She is also the Founder-Director of Aashray, an NGO for animal welfare. Worked relentlessly for the ban on animal experiments in Institutions for 12 years. Govt of India bought a ban on animal experiments in educational institutes in March 2012.