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Clinical Overview on Helicoll Skin Substitute

“I have many patients who have critical limb threatening wounds and need wound care but I have been holding off on applying skin substitutes, as many of the products contain Elastin which is an extracellular matrix protein. Previously, Elastin was deemed necessary for wound care, as it is a significant constituent of the extracellular matrix of connective tissue in the body; however, Elastin has been found to be carcinogenic as per the recent scientific publication in a reputed journal (Ref.: www.nature.com/articles/s41467-020-18794-x.pdf). This article reassures the fact that Elastin’s biodegraded fragments (elastokines/elastomers) are potential carcinogens.

Having my wound care practice for many years, I can be able to well support the above concept, as I have seen several patients develop skin and bone cancers upon my usage of skin substitutes which I now know could be related to the high amounts of Elastin present in such constructs. In good conscience, I can no longer use some of the most popular products derived from amnion and placenta which contain over 40% Elastin.

Possible solution to treat my patients effectively, now I can relate to a successful product with good clinical outcome namely Helicoll, Bioengineered Skin Substitute made of Type-I Collagen without any traces of Elastin. This product provides me an alternative to heal the wounds without inducing an environment that is harmful to my patients.

Besides my private practice, I am using the Helicoll product at different Hospitals and have achieved dramatic clinical results”.

Signed
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