

Activated collagen and glycerine for diabetic foot care

DIABETIC skin disorders such as darkening of the skin (dermopathy), dry skin, cracks and calluses affects 30 to 55% of people with diabetes at some time in their lives. If not cared for properly, a minor skin condition can turn into a diabetic foot ulcer – an open sore or wound that occurs in approximately 15% of diabetes patients commonly located on the bottom of the foot. Of these, 6% will be hospitalised due to infection or other ulcer-related complication.

Research has shown that development of a foot ulcer is preventable.

Activated collagen

Collagen is most commonly found in the skin, bones and connective tissue within the body, providing structural support, strength and a degree of elasticity.

Collagen is also required in replacement and restoration of dead skin cells. As collagen production naturally declines with age, skin loses its suppleness.

Studies have shown a 42% loss of collagen in patients with diabetics resulting in weaker skin integrity, slower skin regeneration and slower wound healing. A diet high in sugar increases the rate of glycation, where sugar in the blood attaches to proteins to form new molecules called advanced glycation end products that damage adjacent proteins and can make collagen dry, brittle and weak.

Collagen has a big molecular size in the range of 20,000 to 50,000 daltons. For skin absorption the collagen molecular size must not exceed 5,000 daltons.

Activated collagens produced by Southwest Technologies Inc USA are hydro-

lysed into smaller molecular size to enable penetration into the skin. They are a mixture of long and short chain polypeptides with a molecular size of just 400-1,000 daltons making it effective in managing diabetic skin disorders as well as diabetic wounds.

Glycerine

Skin problems are common in people with diabetes. Blood glucose provides an excellent breeding ground for bacteria and fungi, and can reduce the body's ability to heal itself. These factors put people with diabetes at greater risk for skin problems.

Glycerin is a humectant by definition as recognised by the United States Food and Drug Administration. Humectants attract, bind and hold moisture to the site of application to moisturise the skin and provide a moist environment for wound healing. Clinical studies have shown that glycerine in a high concentration creates a bacteriostatic environment, which decreases the number of microbes in the wound and skin.

Keeping diabetes under control is the most important factor in preventing the skin-related complications of diabetes.

Clinical trials done at local hospitals have demonstrated the effectiveness of activated collagen and glycerine-based lotion and gel in treating diabetes-related skin problems and diabetic wounds. This article does not constitute medical advice.

You should always consult a physician or other healthcare professionals for a medical condition.

■ For more details, log on to soza.com.my



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Wound Healing Problems? Skin Problems?

(darkened, dry, scaly skin / calluses)



Management of Skin Problems

Protects, Strengthens & Moisturizes The Skin



Management of Wounds & Ulcers

Speed Up Wound Closure

Contains Activated Hydrolysed Collagen. High Concentration Glycerin.



This product is classified as a medical device.



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