

Chronic/Traumatic Conditions

Diabetic Ulcers

A diabetic foot ulcer is a major complication of diabetes mellitus. Foot ulcers are an open sore or wound that occurs in approximately 15 percent of patients with diabetes and is commonly located on the bottom of the foot. Of those who develop a foot ulcer, 6 percent will be hospitalized due to infection or other ulcer-related complication.

Diabetes is the leading cause of non-traumatic lower extremity amputations in the United States, and approximately 14-24 percent of patients with diabetes who develop a foot ulcer will require an amputation. Foot ulceration precedes 85 percent of diabetes-related amputations.

Wound healing is an innate mechanism of action that works reliably most of the time. A key feature of wound healing is the repair of lost extracellular matrix (ECM) that forms the largest component of the dermal skin layer. But in some cases, certain disorders or physiological insult disturbs the wound healing process. Diabetes mellitus is a metabolic disorder that impedes the normal steps of the wound healing process. Many studies show a prolonged inflammatory phase in diabetic wounds, which affects tissue repair, causing a delay in the formation of new tissue.

Prevention and Treatment of Diabetic Ulcers

As serious as a diabetic foot ulcer is, research has shown that development of a foot ulcer is preventable. The old thought of letting the ulcer air out is now known to be harmful to healing. We know that wounds and ulcers heal faster, with a lower risk of infection, if they are kept covered and moist. The use of full-strength betadine, hydrogen peroxide, whirlpools, and soaking are not recommended, as these practices could lead to further complications.

When diabetic foot ulcers do occur, treatment should include:

- blood sugar control
- removing dead tissue from the wound
- dressings
- removing pressure from the wound through techniques such as total contact casting
- Surgery, in some cases may improve outcomes
- Hyperbaric oxygen therapy may also help heal the diabetic ulcer

NeoGenesis Skin Care Products

Along with the other treatments prescribed and recommended by your health care provider, NeoGenesis skin care products are a safe, natural and effective treatment that is very helpful in providing the wound the molecules it needs to support healing.

Diabetic Ulcer Protocol; twice daily

- 1) Apply NeoGenesis Recovery (dropper or spray) to the diabetic ulcer twice daily if possible or use Recovery when the wound dressing is being changed