



Center for Advanced Wound Healing

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Center for Advanced Wound Healing

Advanced Solutions for Problem Wounds

A wound or sore that won't heal is more than a nuisance. It can be frightening and with good reason. The longer a wound takes to heal, the greater the risk of serious infection. Fortunately, for people who have suffered from a wound that won't heal, the Center for Advanced Wound Healing can help.



Stony Brook Medicine

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**Stony Brook
Southampton Hospital**

The Center for Advanced Wound Healing

If you or a loved one has a wound or an ulcer that has not started to heal within a month or has not healed entirely in two months, you may have what is referred to as a "chronic" or "non-healing" wound. There are many factors that can cause a wound to become chronic and there are many types of wounds. Chronic, non-healing wounds can have serious health consequences and may adversely affect your quality of life.

At Stony Brook Southampton Hospital's Center for Advanced Wound Healing, our multidisciplinary team uses the most sophisticated wound care practices and advanced clinical approaches, including hyperbaric oxygen therapy. Each treatment plan is tailored to the individual patient to successfully advance the healing process. Most treatments are covered by Medicare/Medicaid, HMOs, and other private insurance plans.

The course of treatment depends on what type of wound you have. During your first visit, our staff of physicians and nurses will evaluate your wound and review your medical history. You may also need special tests that give us information about circulation to the wound. In addition to advanced wound care training and ongoing education in the fast-evolving field of specialized wound dressings, our nurses and doctors have extensive experience working with patients with complex wounds.

Our approach is proven to reduce healing time, improve healing rates and prevent possible limb loss. Patients who have suffered from wounds for months, or even years, are restored to health in a shorter time than they ever thought possible.



Hyperbaric Oxygen Therapy (HBO)

Hyperbaric Oxygen Therapy enhances the body's natural healing processes and strengthens the immune system. The patient breathes 100% pure oxygen while inside a pressurized chamber, so wounds receive 10-12 times the amount of oxygen they would outside the chamber. This "hyperbaric" dose of oxygen helps your blood carry more oxygen to your organs and tissues to promote wound healing. By increasing the oxygen-storing capacity of blood and tissue, this therapy promotes the growth of new blood vessels, activates white blood cells to fight infection and decreases edema (swelling) – thereby enabling better and faster healing. Hyperbaric Oxygen Therapy is used around the world and has helped millions of patients.

Wounds indicated for hyperbaric oxygen therapy include:

- Diabetic wound of the lower extremity
- Chronic refractory osteomyelitis (chronic bone infection)
- Osteoradionecrosis (late side effect of radiation – bone)
- Soft tissue radionecrosis (late side effect of radiation – soft tissue)
- Compromised skin grafts and flaps
- Acute traumatic peripheral ischemia
- Progressive necrotizing infections
- Crush injuries and suturing of severed limbs (acute)
- Gas gangrene (acute)
- Gas embolism
- Acute carbon monoxide intoxication
- Actinomycosis
- Idiopathic sudden sensorineural hearing loss

Call for an appointment:

**Monday-Friday 8 am – 4 pm
631.726.3300**

