"70-90% of diabetes related amputations *can* be prevented with timely hyperbaric oxygen therapy"

Diabetes Spectrum; 10(2):118-123, 2006

Case report: Diabetic foot ulcer

Diabetic foot gangrene is a leading cause of amputations. Insufficient microcirculation and infection turn the chronic wound into gangrene. Early hyperbaric oxygen can stop the tissue necrosis and prevent amputation.

Before hyperbaric

After 9 session

Diabetic foot ulcer
Male: 55 years, non smoker. Left foot had partial amputation 3 months earlier due to similar ulcer. Right foot with open wounds had both oxygen and blood flow reduced to 30%.

Hyperbaric oxygen therapy: nine sessions over two weeks provided return of blood flow and oxygen for normal wound healing. Right photo shows complete wound closure after 4 months.

BaroMedical is a health and wellness centre specialized in oxygen therapy and wound care.

We provide hyperbaric services in oxygen filled chambers for fast, safe and economical health care solutions.

Hyperbaric oxygen therapy is combined with advanced wound care and state of the art microcirculation assessment and electrical stimulation for optimal results.

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Operational License by Safety Authority

Medical Device License by Health Canada Santé Canada

Wound care and oxygen therapy

proactive wound care

optimum wound care with oxygen

Wound recovery requires adequate blood supply and oxygen.

Wound healing requires oxygen!

Scientific evidence shows that added oxygen will improve blood circulation for faster wound healing and infection prevention.

A typical problem in wound care is poor circulation, infection, swelling, inflammation and lack of oxygen.

BaroMedical's wound care program combines advanced wound dressings with hyperbaric oxygen therapy to create ideal conditions for tissue repair and wound closure.

We use **microcirculation assessment** to objectively evaluate wound healing progress.

Preventive wound care!

Regular hyperbaric oxygen sessions boost and maintain healthy circulation. They initiate release of stem cells from bone marrow, which are one of the most important factors in tissue repair and maintenance of optimal health.

Benefits of hyperbaric wound care:

Improved oxygenation provides oxygen to trigger and maintain wound healing.

Improved circulation initiates budding and growth of new capillaries essential for healthy skin and organs

Reduced inflammation and swelling alleviate pain and improve circulation

Decreased infection and odour by eliminating bacteria, strengthening the immune system and efficiency of antibiotics

Stimulation of nerve growth to ease pain, neuropathy, numbness, tingling "pins and needles" and burning sensation

Improving bone density (osseogenesis)

Initiate release of stem cells

Case report: Venous leg ulcer

"I had an open, painful, smelly leg ulcer for two years and had a wound care nurse visit twice a week. She suggested oxygen therapy which helped tremendously in pain, infection and wound healing. I do not need home visits and my quality of life has greatly improved."

C.W.J. West Vancouver, 2001

Female: 68 years. Microcirculation assessment showed tissue oxygen and blood flow at 55% of normal. Bone was infected and periwound skin swollen, inflamed and damaged.

Hyperbaric oxygen and daily wound care for 2 months resulted in return of normal blood flow and pain relief. Wound successfully covered with skin graft.