

## Use of Laser for Healing Wounds

Here at M.O.S.T. we have been using **Low Level Laser Therapy (LLLT)** as an adjunct for treating many conditions including wounds. There have been ongoing studies into the effectiveness of this non-invasive modality with results indicating that this is a safe and effective adjunct to therapy for many conditions associated with pain and tissue injury. Studies indicate photochemical reactions in the cells which lead to increased production of cellular energy (ATP) which is needed to normalize cell function, cellular healing, and pain control. It has been reported to be useful for treating:

- chronic pain
- acute (traumatic) pain
- neck, back pain
- tendinitis
- sports injuries
- painful trigger points
- carpal tunnel syndrome
- tennis/golfer elbow
- acne, eczema
- inflamm. skin conditions
- wounds and burns
- non-healing ulcers
- rheumatoid arthritis
- fibromyalgia
- lymphedema
- osteoarthritis
- migraines
- neuralgia
- scars and keloids
- sinusitis, tonsillitis
- TMJ disorders
- hearing loss
- Meniere's Disease
- tinnitus
- vertigo

We have had some remarkable results with the treatment of wounds.

Here is one example. A 75y/o woman came to our office with this heel wound that had been open and not healing for over 4 months, despite having received home nursing 3x/wk for wound care. Her doctors felt only a surgical skin graft would heal it. Poor healing of wounds are common in those individuals with impaired mobility, poor cardiovascular wellness, poor extremity function and circulation. She received **LLLT** 3x/wk for 1 month in conjunction with basic exercises to improve mobility. She had full closure of her wound after 6 weeks of starting **LLLT**.



Initial Visit



6 weeks later

She was able to avoid a costly and painful surgical procedure that would have resulted in skilled nursing facility stay, additional physical debility, increased risk of infection, and increased risk of falls with wound healing capacity likely more suppressed.

Here is a second example of a second degree burn that we treated with **LLLT** four times to promote cellular metabolism and tissue regeneration.



Burn 1 week



Burn 2 weeks start laser



Burn 4 weeks



Burn 8 weeks

Not all cases may have this dramatic of an effect but this is not an isolated case here at M.O.S.T.

Please speak to your doctor about this useful modality and contact our office for a free consultation on if this treatment may be helpful for you.