



# Faculty of Physical Therapy

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## The effect of cold laser on diabetic foot ulcer

### Participated Students:

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### Project Summary:

#### Objective:

foot ulcer, and comparing the same : Diabetes mellitus is a chronic, lifelong condition that affects the body's ability to use the energy found in food. It has several types and serious complications. Diabetic foot ulcers are one of the most common complications of diabetes mellitus and are defined as non-healing or long lasting chronic skin ulcers in diabetic patients. Cold laser (low-level laser therapy) has been shown to promote the healing of chronic wounds and diabetic ulcers as a noninvasive, pain-free method with minor side effects and has been considered as a possible treatment option for diabetic foot syndrome.

#### Aim of the work:

The study demonstrated the results of using cold laser to heal foot ulcers in patients with diabetes mellitus.

#### Patient and Methods:

The study was carried out on about 30 patients from different hospitals and private clinics, measuring the ulcer's dimensions before applying the cold laser on their moderate ulcer's dimensions after 5 and 10 cold laser sessions.

#### Results and conclusions:

The study proved that the moderate foot ulcer shows an improvement in healing the ulcer and this illustrated by a significant decrease in wound dimensions (Length, width, depth). In addition to reducing the patient's pain.