

Sudan University of Science and Technology (SUST)
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The Use of Diode Laser (940nm)
In Treatment of Benign Skin Tumours
(Soft Fibromas)

A Dissertation Submitted by

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Abstract

Skin tags are the most common benign skin tumours Encountered in practice. They can occur at any site of the body but flexural sites are the most common. They are much common in middle age and they tend to increase in prevalence up to age 60 years. Since they are thought to arise more readily in areas of skin friction or rubbing, tags are also more common in overweight people. A genetic component (causation) is thought to exist. Although they may stay benign although their course, disfiguring ones are recommended to be removed without leaving complications.

The laser system used in this study was the Diode laser, wavelength 940 nm parameters of laser (ranging between 25 to 35 watts, exposure time between 0.3 to 0.5 seconds) and modes of application were selected according to site and size of the lesions.

The 5 patients subjected in this study and completed the period of treatment and follow up were complaining of skin tags with different sizes, in different body sites, most are with family history.

The conclusion derived from this study is that the Diode laser therapy of benign tumour should be considered as a good and dependable alternative to other traditional techniques, it results in eliminating the benign tumours and minimizing the complications of scarring and disorders of pigmentation and postoperative pain.

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