

Sudan University of Science and Technology
College of Graduate Studies

Skin Tag Treatment using Nd-YAG Laser

A Dissertation Submitted
In Partial Fulfillment of the Requirements for the Degree of
Postgraduate Diploma of Laser in Medicine/Dermatology

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July 2007

ABSTRACT

This dissertation is carried on to determine the efficacy of long pulsed Nd: Yag 1064 nm laser in treating skin tags.

The general introduction to the problem is given in chapter one by showing the anatomy and histology of the skin, skin tag clinical picture, pathology diagnoses and treatment with conventional methods. Then Laser physics fundamental, types and parameters and the common use of laser in medical field are given, together with laser safety requirement.

Dornier Medilas laser system is a long pulsed Nd: Yag 1064 nm, of a power of 20 – 25 watts and pulse durations 0.5 second. The study sample consists of 10 patients with 29 tags at different parts of their body. Base line photographs were taken before treatment and also after treatment.

Patients' Age, Sex, Parent relationship, Family History of Tags, Occupation, Associated symptoms, reason for removing, Number and Site of Tags within the study group are tabulated. Photos were shot before, immediately after laser treatment and one was done one week after. Large tags photos were shot 2 or 3 weeks after. These photos show the satisfactory results of the laser treatment.

It is recommend that tags removal can be done by the use of the Nd: Yag 1064 nm if it is available at affordable prices.

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