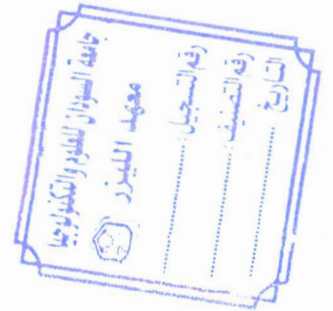


Sudan University of Science and Technology
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Use of Carbon Dioxide Laser (fractional mode 10600
nm) in Treatment of Skin Tags in Sudanese Patients

A Dissertation Submitted For Partial Fulfillment of
Postgraduate Diploma in Laser Applications
In Medicine-Dermatology

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ABSTRACT

Skin tags are common benign lesions composed of loose fibrous tissue and occurring mainly on the neck and major flexures as a small soft pedunculated protrusion. This study aimed to evaluate the efficiency of CO₂ laser (fraction mode) for the treatment of skin tags.

Ten patients were included in this study (2 males) and 8 (females). They were complaining of skin tags, before treatment laser safety was done. All patients were treated under local anesthesia. The laser system used in this study was the 10600 nm carbon dioxide laser in continuous mode with power 4.5 and 7 Watts. Patients were very satisfied upon the treatment results, because of fewer side effects and less recovery time.

The results obtained were encouraging the use of CO₂ laser in skin tags treatment because of its greater safety margin and precise ablation, and could replace the other modalities of treatment for the ablation of many superficial lesions.



ملخص الدراسة

الزوائد الجلديه هي من أكثر الأورام الجلديه الحميده شيوعا ، وهي تتكون من نسيج ليفي، وتوجد في الرقبه والاماكن ذات الانتشاءات ككتوء رخو . هدف هذه الدراسه هو تقييم فعاليه اليزر ثاني اوكسيد الكربون في ازالة الزوائد الجديه .

تم اشراك عشره مرضى في هذه الدراسه اثنان من الذكور وثمانيه من الإناث . كان لديهم زوائد جلديه في مناطق مختلفه من أجسامهم ، قبل المعالجه تم عمل كل اجراءات السلامه.

كل المرضى تم حقنهم بمخدر موضعي ، نظام اليزر الذي تم استخدامه هو ١٠٦٠٠ ثاني اوكسيد الكربون بنمط مستمر وقوه تتراوح بين ٧ الى ٤.٢٥ واط .

كانت النتائج مرضيه جدا نسبه لقله الاعراض الجانبيه وقصر فتره النقاهه.

إن نتائج هذا البحث محفزه جدا على استخدام اليزر ثاني اوكسيد الكربون في ازالة الزوائد الجلديه نسبه لسلامته العاليه ودقته المتناهيه، ويمكنه أن يحل محل طرق المعالجه الأخرى في إزالة الافات الجلديه السطحيه.



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