

postoperative edema was greatly diminished. These results are in agreement with previous rese repasts revealing that the advantages of laser application in soft tissue surgery include a relatively bloodless surgical and postsurgical course, minimal swelling, coagulation and cutting minimal or no suturing<sup>(12)</sup>.

In this clinical trial, uncontrolled postoperative pain was detected in few cases and postoperative infection was not reported and there was no scar formation. These results agreed with previous reports which proved the advantages of laser surgery including : sterilization of the surgical site while cutting tissue and a dry surgical field, reduced postoperative pain, less oedema, limited scarring and no-touch technique<sup>(13,14)</sup>. Clinically, the use of diode laser in the treatment of oral and maxillofacial diseases has found an application in the removal of premalignant lesions of the oral mucosa<sup>(15)</sup>.

In clinical studies, the remarkable cutting ability and tolerable damage zone show clearly that diode laser system is effective and useful in soft tissue surgery of oral cavity because of its excellent coagulation ability, the smooth heal of wounds, and its simple use allows good modeling of the gingiva<sup>(16)</sup> and more precise incision margin is seen compared to other systems<sup>(8)</sup>. The evaluation of safety and efficacy of the diode laser system is already done for the treatment of facial pigments and vascular lesions and in oral surgery in fibroma, epulis fissuratum, and gingival hyperplasia<sup>(17)</sup>.

Finally, it was concluded that the diode laser applications in the field of oral and maxillofacial surgery was found to be justified on the basis of its safety and efficacy in this study.

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