

## Diode laser lingual frenectomy may be performed without local anaesthesia

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### Clinical Picture

Frenectomy is a common procedure in the specialty of oral surgery. A clinical picture of lingual frenectomy using (808nm, 1400mW) continuous emission diode laser is described (Figures 1 and 2); the diameter of the fiber optic probe used was 300µm. In order to achieve satisfactory results, the design of the cut was aimed to be biconvex medial to the salivary duct orifices to avoid any possible injury (Figure 2).

The advantage of laser surgery includes higher precision when compared to surgical tools, which results in less pain, bleeding, swelling and scarring. The procedure is not time consuming, easy to perform in an outpatient set and no sutures are required which decreases the risk of postoperative infection.

In our patient, no local anaesthesia was given and the patient reported no pain during the laser surgery. A recent study showed that minor oral diode laser procedures can be performed without local anaesthesia (1).

In conclusion, we believe that diode laser is a safe tool when it comes to performing minor oral surgeries with minimal intraoperative pain.

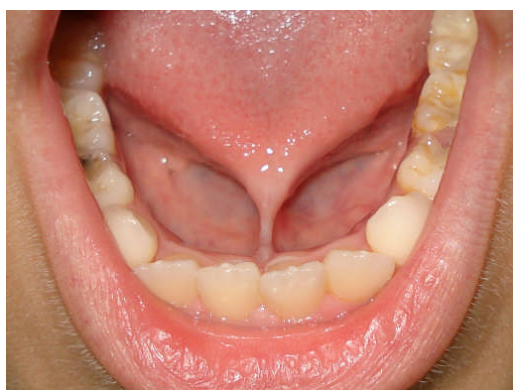


Figure 1: Preoperative picture showing mild ankyloglossia.

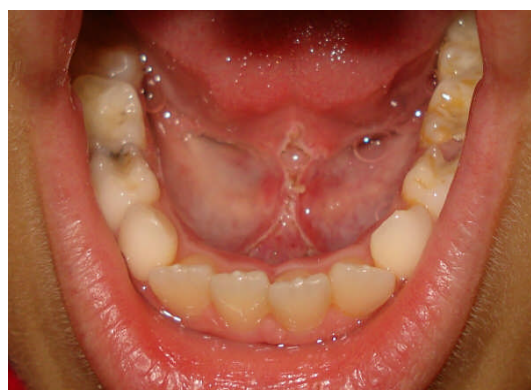


Figure 2: Postoperative picture showing satisfactory diode laser therapy.

### Reference

- 1) Kafas P, Dabarakis N, Theodoridis M. Performing gingivoplasty without injected anaesthesia: a case report. Surg J 2008;3:27-29.

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