

Dr. Kazak graduated from the Faculty of Dentistry at the Istanbul University in 1987. The following year he co-founded Medicadent, dental health polyclinic, where he works as administrator and clinical director, as well as practices in specialized fields of dentistry. In 2007 he completed the RWTH Aachen University Masters program in »Lasers in Dentistry«. He is actively involved in pioneering laser dentistry in Turkey.



Treatment of a Hemangioma on the Lower Lip – Case #2 Zafer Kazak, DDS, MSc. Lasers in Dentistry

The treatment of a hemangioma on the lower lip is usually more of an aesthetic treatment, although there is always a risk of excessive bleeding should the lesion be accidentally bitten. For these reasons the patient was referred to us by the GP.

We opt to use Nd:YAG laser in our practice to treat these type of lesions, because of the laser's wavelength's ideal absorption characteristics. Nd:YAG targets hemoglobin while leaving the surrounding tissue unscathed, which is particularly important when working on the lips. We find that this in combination with the speed and ease of the treatment give the Nd:YAG laser treatment significant advantages over more conventional treatment methods such as sclerotherapy, excision, cauterization and cryotherapy. We do not use anesthesia, although to limit any excessive thermal effects we do shoot the laser through an ice cube.

Using the parameters below, we applied the Nd:YAG laser three times for a one-minute period and with one-minute intervals. During the treatment the lesion can be clearly seen shrinking and disappearing. Three weeks after the Nd:YAG procedure we used the Er:YAG laser in our AT Fidelis system to remove the coagulated tissue and obtain a better post-op aesthetic effect. Anesthesia was not required during any of the procedures. No specific post-treatment care was required.

| | | |
|-----------------|------------------|------------------|
| Laser source: | Nd:YAG (1064 nm) | Er:YAG (2940 nm) |
| VSP Mode: | MSP | VLP |
| Power / Energy: | 5 W | 140 mJ |
| Frequency: | 100 Hz | 10 Hz |
| Handpiece: | R21 | Titanium R02 |

Discover AT Fidelis!



Before



Immediately after



Complete recovery

Clinical Bulletin 09/20-1.0 – Published by the Laser and Health Academy. All rights reserved. Order No. 86650 Disclaimer: The intent of this Laser and Health Academy publication is to facilitate an exchange of information on the views, research results, and clinical experiences within the medical laser community. The contents of this publication are the sole responsibility of the authors and may not in any circumstances be regarded as official product information by the medical equipment manufacturers. When in doubt please check with the manufacturers whether a specific product or application has been approved or cleared to be marketed and sold in your country.