

Dr. Shiffman is a graduate of Georgetown University School of Dentistry. He completed his certification with the Academy of Laser Dentistry in three types of Laser systems, bringing new technology to the practice. Dr. Shiffman was recently awarded a Fellowship in the Academy of Laser Dentistry. He is personally involved in the use and development of cutting edge technology and has performed thousands of Laser procedures in the last 10 years. Dr. Shiffman's Laser Dental Center is a Boynton Beach, Florida dental practice.



Nd:YAG Anesthesia for Amalgam Removal and Composite Restoration

Harvey Shiffman, DDS

Parameters:

Laser source:	Nd:YAG, 1064 nm
Pulse duration:	MSP
Fluence:	2 W
Frequency:	20 Hz
Handpiece:	R21-C3

Treatment procedure:

The patient was a sensitive 30-year-old female who came in for a cavity restoration. She usually required 2 carps of septo for any hard-tissue procedure, even with the laser. Amalgam removal, V3 matrix band and composite restoration with wedge were required.

We decided to perform Nd anesthesia before doing the cavity treatment. 60 seconds of Nd:YAG anesthesia was performed – buccal and lingual side. The handpiece was positioned defocused and moved as if painting over the cervical area. The whole tooth crown can be "painted", but concentrate on the cervical area. The energy will reach the pulp chamber easily.

High speed was used to remove the amalgam, and the patient reacted as if she was anesthetized. The treatment was completed with composite restoration.

The complete procedure was totally pain free. The patient was thrilled and amazed after the treatment.

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