

Dr. Dimitris Strakas DDS has been actively involved in the development and practice of laser dentistry since 2002. He is currently serving as the president of the Greek Society for Laser Dentistry (GSLD) and a member of the World Federation for Laser Dentistry (WFLD). Dr. Strakas works with a Fidelis Plus, all-tissue Fotona laser system.



Class V Restoration

Recommended Parameters:

Laser source:	Er:YAG (2940 nm)
VSP Mode:	MSP
Power:	120 mJ
Frequency:	10 Hz
Handpiece:	R14 with a cylindrical tip
Water/Air Spray Setting:	Water 6 – Air 4
Anesthesia:	None needed

(Courtesy of Dr. Strakas)

Treatment Procedure:

The patient presented with a class V carry on the right central incisor. The R14 handpiece (in our practice we still use the R07 predecessor of the R14) with the cylindrical fiber tip is usually used to ablate the carious tissue (see figure 1 B).

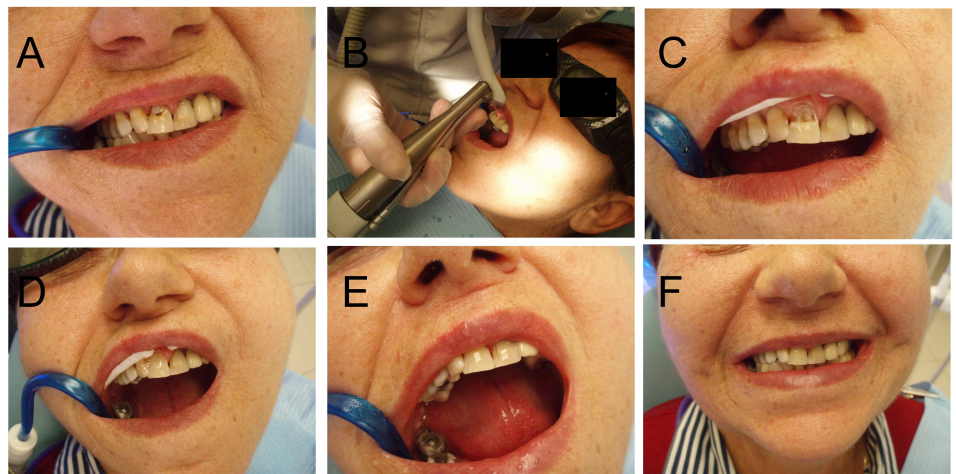


Figure 1. A) Before, B) During, C) Excavated, D-F) Immediately After

Result:

Excellent results were achieved using the Fidelis Er:YAG. The young patient was especially relieved that no anesthetics needles were needed and that the procedure only lasted 6 to 7 minutes.