



Fotis Megas was born in 1984 in Athens, Greece. He graduated from the School of Dental Technology of the Technological Educational Institution in 2011 and now owns his own laboratory, 'Megaslab' in the center of Athens. Fotis is specialized in aesthetic anterior restorations and collaborates with the Dental School of the National and Kapodistrian University of Athens and its postgraduate programs of Dental Prosthodontics and Dental Surgery. Fotis is an Opinion Leader for GC products in Greece for Maurice Faratzi since 2012 and Key Opinion Leader for GC Europe for Initial ceramics since 2016. He gives lectures and organizes hands-on courses all over the world as well as live patient courses in his own lab.

Reproduction of dentin color using Initial Spectrum Stains

by CDT Fotis Megas, Greece

Dental ceramics consist of an amorphous glass phase and a crystalline phase. The higher the glassy content, the more translucent and aesthetic the ceramic will be; however, the crystalline phase makes the ceramic stronger, but also more opaque. To improve the aesthetics, the glassy, more translucent ceramics are used as veneering ceramics and baked onto the more opaque core.

With the introduction of new classes of materials, overall properties of ceramics were improved a lot. Glass ceramics based on lithium disilicate have a high ratio of crystalline phase, but are more translucent because of the low refraction index of lithium disilicate crystals. Hence, restorations can be made of monolithic material and can be much thinner, which is a huge benefit because less tooth tissue needs to be removed, or in some cases no tissue at all.



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