



Colour and brightness

Proper brightness of a zirconia-ceramic restoration using Initial™ Zr-FS ceramic

By Luigi Russo, Italy



Luigi Russo was born in Pozzuoli on 8 July 1977 and graduated from the Alfonso Casanova Institute in Napoli (Naples, Italy) in 1996. Then, he worked as an employee in 3 different dental labs where he learned the art of prosthodontics. Since 2005, he owns a dental lab in Naples. Over the years, he has developed an in-depth knowledge of the various aesthetic materials by participating in several activities such as congresses, conferences and training courses with outstanding speakers, renowned both on a national and on an international level, including V. Mutone, L. Santocchi, Y. Odanaka, R. Iafrate, J. Endo, C. Nannini and M. Fukushima. He closely collaborates with GC Italy as he is a member of the Competence Lab team for which he gave live demos at the Colloquium conferences held in Caserta and in Brescia and organised several initiatives at his own laboratory. He was also speaker at the regional conference in the Abruzzo region.

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The importance of brightness in a restoration is sometimes underestimated with more emphasis placed on the “hue and chroma”, which often are still the decisive aspects for the success of a product. However, from our perspective, a restoration without the proper brightness (value) will be dull and lacking vitality, in other words, unnatural.

To confirm this, we take a look at how this aspect could be enhanced beyond the material upon which we perform the layering.

This specific case involves a case study on a zirconia coping. This concept can also be transferred to metal and lithium disilicate by applying fluorescent white opaque dentin liners and coloured opaque dentins.



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