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Congress: 12th International Congress of Iranian Academy of Restorative Dentistry 24-26 October 2012 Tabriz-Iran

Title: Color stability in the low shrinkage composite

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Abstract: The silorane–based resin composites have low polymerization shrinkage and stress, good stability in aqueous environments and insolubility in biological fluid stimulants. In dental composites, the absorption is produced by the organic matrix while scattering is due to difference of refractive index between the organic matrix and fillers particle and to inorganic filler size and size distribution.

New polymerized silorane–based composites showed significant differences in color and translucency when compared with the other kind of composites. In color changes, silorane–based resin composite are almost exclusively in the chromatic coordinate, represented by differences in choroma. Polymerization affects the resin matrix, thus differences in composite silorane’s chemistry and degree of polymerization had greater influence than filler.

The purpose of this research is comparing low shrinkage composite and conventional composite in Color stability

low shirinkage,color stability

Presentation: Poster