

4<sup>th</sup> Asia Pacific Congress & Expo on

# Dental and Oral Health

July 27-29, 2015 Brisbane, Australia

## Cementation of aesthetic resin composite indirect restorations: A case review

Rui Franco

BeurzeTandartsen, Netherlands

Presently resin composites enable the dentist to faithfully reproduce the anatomy and dental morphology in the same way that only ceramic could. However, when resin composites are applied in direct restorations, they always trigger tensions from its polymerization contraction. This negative factor is inherent in the use of composite resins. In the presence of a large cavity, it may be indicated to apply a laboratory, restoration, this is, an indirect restoration. The longevity of indirect restorations is largely determined by its bond strength, depending on the cementing technique used. The use of resin cements is increasing in these restorations, but there is still no consensus about the best technique to be applied. The case reviewed in this work is based on an entire review on the current techniques of resin cements in indirect aesthetic composite restorations. An analysis of the clinical and laboratory procedures of an indirect aesthetic resin composite restoration in a lower left first molar was performed. The detailed aspects are mechanical and physical properties of resin cements, as well as variants of the different types of polymerization and adhesion to the tooth structure. The objectives of this study are to contribute, through a detailed literature review, to the assessment of the state of the art of resin cements, giving special emphasis to the influence of its mechanical and physical properties as well as the cementing technique in the clinical success of an indirect aesthetic composite restoration.

### Biography

Rui Franco has completed his Master's degree in Aesthetic Dentistry from the Instituto Superior de Ciências de Saúde Egas Moniz, Portugal in 2009. In 2010 he did a Post-Graduation in dental implants. Since 2010 he started co-owning the Vale de Milhaços Medical Center and also became the Clinical Director of this multi-discipline private practice. At the end of 2011, he started living and working in the Netherlands, where he continues to improve his studies in order to excel in the dental care provided by him.

[rui franco@gmail.com](mailto:rui franco@gmail.com)

### Notes: