

## - Oral Presentation 43

### **TITLE: Endodontic retreatment and posterior restorative treatment using composite veneers**

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#### **Introduction**

Although extraction-implant option has become increasingly popular to solve problems produced by endodontic treatment failure, maintaining natural dentition in healthy conditions remains the aim in dentistry. The success of root canals treatment is based on proper cleaning, shaping and three-dimensional filling. Recent studies concluded that while endodontic surgery offers more favorable initial success, the nonsurgical retreatment was provided superior long-term outcome.

Through this case report we show the nonsurgical retreatment of 21, with subsequent internal bleaching and the reconstruction with composite veneers of both central incisors.

#### **Case report**

A 22 year-old female with no relevant medical history, who came to the Master (UGR) demanding an aesthetic treatment in the anterior zone. The patient presented composite restorations in poor condition on both central incisors, and a root canal treatment with improper apical filling and a metal pin in tooth 21.

Due to the patient's aesthetic requirement, restorative treatment with composite veneers was performed in both central incisors and a previous nonsurgical retreatment of 21 to ensure the viability of long-term treatment.

#### **Conclusions**

In conclusion, we consider root canal retreatment is first choice to solve these cases and the restoration using composite veneers provide us the aesthetic we wanted to offer the patient a conservative treatment, reaching her expectations

## - Oral Presentation 44

### **TITLE: Indirect inlay and onlay resin as minimally invasive treatment**

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#### **Introduction**

Dental materials that are available are constantly evolving due to the improvement of its mechanical and aesthetic properties, provide ample possibilities to make minimally invasive and resistant restorations. Reinforced resins and indirect technique for processing are more and more used. The dental technician also changes its process of developing dental reconstructions resin layering techniques and digital design techniques for CAD-CAM.

#### **Case report**

The material selected in various clinical cases described, it is the SR Nexco (Ivoclar-Vivadent, Schaan-Liechtenstein). It is a laboratory composite with opalescent microfillers for incrustations achievement by means of the indirect technique. Type inlay / onlay restorations, in which pulp vitality is preserved, where appropriate points of contact and suitable emergencies are created, cusp coverage with overlays, etc. are different cases, in which it is possible to use.

#### **Conclusions**

The use of a reinforced resin material provides appropriate intrinsic mechanical properties. There are many advantages of the indirect technique versus direct technique, such as the ideal characterization of the natural anatomy of the tooth, removing the risk of contraction of resin materials and conservative cavity preparation. Indirect use resins have improvements in both the matrix (polymerization and composition) and the material of filling (high proportion), which gives us greater wear resistance, increases resistance of tooth remaining, less microleakage so that currents of termoconduction that generate sensibility problems will not occur.

## - Oral Presentation 45

### **TITLE: Determining the concentration of hydrogen peroxide in bleaching products**

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#### **Objectives**

Currently, hydrogen peroxide (HP) is used as active agent in tooth bleaching treatments. However, the HP