

Indirect ceramic inlay restorations (case report)

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Introduction: Among tooth-colored restorations, ceramic inlays are considered to offer the best aesthetics, given the possibility of exact color matching with natural tooth tissues and perfect restoration of contact points between teeth.

Methods: The patient, a 29 year old female presented with complaint of provoked ache in the upper left quadrant. A complete examination was performed that included radiographs. Clinical findings revealed proximal caries localized on mesial and distal surface on upper first and second premolar teeth, with intact occlusal surface and small proximal caries on the first molar. Her medical history was unremarkable and there were no contraindications to dental treatment. Treatment options were discussed with the patient and it was decided to restore the caries lesions with two ceramic inlays on the premolars, with indirect technique. Upon removing the decay, a glass ionomer base was placed to protect the pulpal floor. An impression was taken from the prepared teeth and from the antagonist and casts were made in dental technicians laboratory. The two inlays were made from press ceramic (DENTSPLY, Finesse® All-Ceramic). The ceramic inlay restorations were placed with resin cement for metal-free on etched and bonded tooth surface. This report includes the data of a 6 month follow-up.

Conclusions: After follow-up there were no sign of any kind of changes in the restorations. All-ceramic inlay restorations with indirect technique give the best aesthetics and functions rehabilitation of decayed posterior teeth.

Keyword: ceramic inlay, all- ceramic restorations, indirect technique