Title: Nonvital Teeth and Porcelain Laminate Veneers— A Contradiction?

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Abstract: Introduction / Purpose: The clinical outcome for Porcelain laminate veneers in terms of longevity is excellent and comparable to high-strength full crowns. The success of this concept may promote its use even for the reconstruction of extended crown fractures. However, there are certain esthetic limitations if the underlying tooth structure is discolored which may occur in cases of nonvital roots. This article describes how to manage this esthetic challenge.

Results: on one hand, there are clear esthetic limitations for the successful use of veneers in discolored nonvital teeth. If internal bleaching of the discolored dentin cannot be successfully performed, the esthetic result will always be compromised. On the other hand, if the color parameters and strength of a nonvital tooth can be restored to the level of a vital tooth, the technical principles and treatment protocol of veneers would be applicable to nonvital teeth. In addition to the grayish-blue discoloration of the cervical tissue complex itself, the use of opaque restorative materials to mask the discolored tooth material will only increase the esthetic compromise. Internal bleaching, tooth-colored internal buildups, and preparation guidelines are discussed via clinical case presentations.

Conclusion: These clinical cases show the potential of this type of reconstructive procedure. Indeed, excellent results can be achieved. It is a promising method to overcome the esthetic and technical problems associated with discolored nonvital anterior teeth.

Nonvital Teeth, Porcelain Laminate Veneers, Contradiction

Presentation: Poster