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Created by Dentists for Dentists

# Splinting of the arch of periodontologically loose teeth based on the **CHORDS** and **CREATE** composite on teeth 32-42

 QUICK AND EFFECTIVE SOLUTIONS TO SERIOUS PROBLEMS

ETCHGEL • CREATE



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## CASE DESCRIPTION



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- The photo shows the initial state.

- The patient reported a problem with loose front teeth in the lower dental arch. Due to aesthetics and maintaining the chewing function, he wants to keep his natural teeth as long as possible. In particular, due to the use of a full denture in the upper arch, which limits the comfort of life. For financial reasons, the patient cannot afford a permanent prosthetic restoration, which prompts him to look for a more economical and at the same time effective solution.
- The use of **CHORDS** is an excellent solution in this case, because it allows for the stabilization of teeth without the need for extraction, minimizing invasiveness and preserving natural tissues. Additionally, the procedure is quick, effective and provides an aesthetic final effect.







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## STAGE 1 - CLEANING THE TREATMENT FIELD



- The patient's teeth were thoroughly cleaned of dental deposits, which was crucial to obtain a clean and dry surface, necessary for proper adhesion of dental materials. The elimination of dental calculus and bacterial plaque prevents potential complications, such as bacterial infections, the development of periodontal disease or the detachment of material in the future.





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## STEP 2 - TEETH PREPARATION



- The old, bonded composite fillings were removed from the teeth, which were not durable enough and did not provide adequate stabilization. This was necessary to avoid weakening the adhesion of the new material due to contamination and aging composite. This step also allowed for obtaining an even surface for the application of **CHORDS**.







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### ➤ STEP 3 - SEPARATION, STABILIZATION AND ETCHING



- The teeth were secured with wedges, which ensured their stability and allowed for the appropriate gaps between the exposed roots. These spaces were necessary for the even distribution of adhesive materials for long-term stabilization of the teeth. Then, **ETCHGEL** was applied to the tooth surfaces, which prepared the tissues for a permanent connection with the composite material.





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## STEP 4 - CHORDS APPLICATION



- **CHORDS** was cut to the appropriate length and applied to the vestibular surface of the lower anterior teeth, which had previously been covered with a bonding system. The material was permanently bonded to the teeth thanks to its adhesive properties, providing excellent stabilization. **CHORDS** is distinguished by its flexibility, which facilitates modeling and does not show under the composite superstructure, making it an ideal choice for minimally invasive tooth stabilization.







## STAGE 5 - COMPOSITE SUPERSTRUCTURE



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- With the help of **CREATE** composite, the vestibular surfaces of the teeth were built up, strengthening the splinted structure without the need to prepare the patient's own tissues. Thanks to this technique, the teeth were effectively protected while maintaining their natural anatomy. The procedure was carried out during a single visit, which significantly increased the patient's comfort and shortened the treatment time.





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## STEP 6 - ADJUSTMENT TO THE OCCLUSION OF THE WORK



- The splinted teeth were carefully adjusted in occlusion to eliminate overloads that could lead to further loosening. This allowed the patient to chew comfortably and prevent new damage. Correct adjustment in occlusion is crucial for the long-term success of the procedure.







## BENEFITS OF USING **CHORDS**



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- **Single-visit tooth stabilization procedure**
- **Satisfaction of patient needs** - gratitude and satisfaction
- **Chance to preserve teeth** that were previously considered at risk of loss
- **Saving procedure time** - your profit
- **Minimally invasive approach**, without the need to prepare healthy tooth tissues
- **Possibility to cure patients** who we have lost for various reasons so far





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