

# Implication of Anterior Prosthesis on Quality of Life in Patients with Early Childhood Caries.



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## Introduction

The absence of multiple teeth in the anterior region can lead to aesthetic, psychological, phonetic, and eruptive disturbances, especially when the loss occurs at an early age. One treatment option for these cases is the use of an anterior removable prosthesis, as it restores functionality, aesthetics, and serves as a space maintainer suitable for the child's growth and development. This helps prevent disorders and complications that may arise due to the premature loss of primary teeth.

## Case Report

- Female patient, 4 years 8 months old
- Prolonged use of a bottle and pacifier sucking
- Primary dentition
- Severe early childhood caries (ceod 13)
- Generalized gingivitis induced by dental biofilm
- Open bite



Bad habits were eliminated, resin crowns were placed on teeth 5.2 and 6.2, and teeth 6.1 and 5.1 were extracted. An anterior prosthesis attached to a removable appliance was then fabricated to correct the open bite. Considering the premature loss of teeth 5.1 and 6.1, the patient experienced both esthetic and phonetic difficulties due to the absence of her anterior teeth. Therefore, their replacement with a prosthesis restored her esthetics and also phonetically compensated for the loss of the anterior teeth.

## Conclusion

The prosthesis not only serves as a treatment but also significantly contributes to improving the overall well-being of the patient, encompassing phonetics, aesthetics, and functionality provided by the upper anterior teeth. With this appliance, we also enhance the patient's general well-being, highlighting its positive impact on her daily life and emotional state.

## Reference

Schmoeckel, J., Gorseta, K., Splieth, C. H., & Juric, H. (2020). How to Intervene in the Caries Process: Early Childhood Caries - A Systematic Review. *Caries research*, 54(2), 102–112. <https://doi.org/10.1159/000504335>