

CLINICAL CASE – MANDIBULAR REMOVABLE SPACE MAINTAINER

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INTRODUCTION

Caries has been pointed out by various authors as being the main factor for early tooth loss in young patients.⁽¹⁾⁽²⁾ It deeply influences oral health of children, even after eruption of the permanent teeth, because it causes undesired tooth movement, decreased length of arches⁽³⁾⁽⁵⁾⁽⁹⁾, change in the eruption sequence of the permanent teeth, inadequate development of mastication, swallowing, deleterious habits, speech alterations, midline deviation that can possibly lead to facial asymmetries.⁽⁶⁾ Studies demonstrate that when primary molars are lost there will be arch decrease, which is significantly more severe in the mandible than in the maxilla, distal movement of the anterior-inferior primary teeth⁽¹⁾⁽²⁾⁽⁹⁾ and mesialization of the first permanent molar.⁽⁵⁾⁽⁷⁾ Guidelines of the American Academy of Odontopediatrics claim that the use of space maintaining appliances is indicated to avoid loss of arch perimeter, maintaining the relative position of the existing teeth, the healthy development of the facial muscles and the normal establishment of the definitive occlusion.⁽²⁾

PURPOSE

This study has the aim to demonstrate the clinical case of a young patient with premature loss of deciduous teeth. This way, we opted to use a removable space maintainer (with teeth and a screw).



CONCLUSION

The maintainer space helps prevent the mesial movement of the first permanent

The mandibular removable appliance is for certain an important technique in maintaining the tooth space, restore physiological mastication and a good phonation. It's a functional appliance with a good patient compliance which was confirmed with a two months of follow-up. molars when there is premature loss of deciduous molars. It prevents the loss of transverse dimension of the arches.⁽⁴⁾⁽⁵⁾ Removable appliances are indicated in the absence of multiple teeth, they can be designed with acrylic teeth to replace edentulous spaces and some type of retention system. Once removed the hygiene is easier to maintain, however it requires the collaboration of the child.⁽⁴⁾ The dentist should evaluate the variables and re-evaluate its decisions in accordance with the dynamic development of the patient's dentition.⁽¹⁰⁾

REFERENCES

Turkson, W.: Flores-Mit C.: ElBadrawy, H.: Nasar, U. and El-Baly, T. (2008). Dental Arch Space Changes Following Premature Loss Of Primary First Molars. A Systematic Review Rediatric Dentistry, 30(4), 297-302. Heliborn, J. C.: Kucher, E.: C. (Findajo, T. K.: S.: Antunes, L. A. And Costa, M. C. (2011). Early Primary Torlet Loss: Prevalence, Conveguence and Tracting Journal Journal Dental Refer. 10(3), 126-130. Khare, V.: Nayak, P. A.: Khanetekval, V. and Nayak, U. A. (2013). Case Report: Fixed functional space maintainer: nevel asektite approach for missing matiliary rimary anterior teeth. British Medical Journal. doi:10.1138/bcr-201 Clarice, S. (2013). Management of Prenature Finanzy Toohi Loss: Inthe Child Patiert. Lournal of The California Dental Association. 4 (18), 612-618. Wilson, B.: Joseph, J.: Bharadwaj, P. and Kaushk, FC. (2014). Space Management In Pediatric Dentistry. The Journal of Dental Panacea, 1(2), doi:10.1563/6jdp/2014/v102/58422 Cobox, KS.: C. Rea, J.L.C.: Cortedy, D. M.N.: Schmidt, V.C. and Outlero, L.E. (2014). Permature Loss of Primary Tiest in Children of 0.0 8 years. Colonital Research, 5(13). AL-Dubyme, D.A. and Al.: Khanetag, M.R. (2014). Mantibular dental arch dimensional changes following Bremature Usos of Primary Tiest in Children of Clinical Pediatric Dental Research, 5(13). Gorieka, P.: Sarrayd, A.: Marwah, M.R. (2014). Mantibular dental arch dimensional changes following Dental Branacea, 100 as 99, as Colonital Research, 5(13). Alexander, S.A.: Askari, M. and Levis, P. (2015). The premature loss of Primary First Molars. Space Management In Dental Space Management and Clinical Pediatric Dentistry, 30(2), 218-223. doi: 10.2319/030714-160.1 Khanan, P.: Sandid, S. and Mitta, S. (2015). The premature loss of Primary First Molars. Space Nate Review Rev