

THE SOS ACTIVATOR. AN ALTERNATIVE FUNCTIONAL DEVICE FOR THE CORRECTION OF CLASS II MALOCCLUSION.



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Introduction

Class II malocclusion is characterized by a skeletal disharmony between maxilla and mandible, where mandible is underdeveloped and/or maxilla is overdeveloped. Over the years multiple devices were used to correct this disharmony. In this study an alternative functional device, under the name of SOS activator, which is used in combination with fixed appliances, will be presented.



Aim

The aim of this presentation was to present an alternative functional device for the correction of Class II malocclusion with a retrognathic mandible, which can be combined with fixed appliances on the upper arch. Two patients with Class II/1 and Class II/2 malocclusion treated with this device at a private practice are shown.

Case 1

14 years old male with Class II Division 2 malocclusion treated with the SOS Activator

Initial photographs



Final photographs



Figure 1: Construction details of SOS Activator

Appliance design

The 'SOS activator' (Figure 1) is an intraoral functional device with a headgear effect, combined with fixed and/or expansion appliances on the upper arch. It consists of acrylic and wire. The upper wire parts of the appliance fit into the headgear tubes. The construction bite is the one commonly used. Re-activation is possible through the loops.

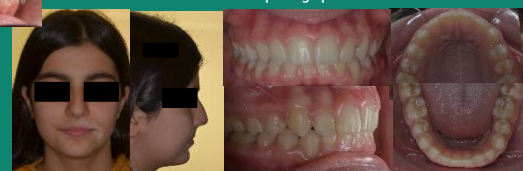
Case 2

11 years old girl with Class II Division 1 malocclusion treated with the SOS Activator

Initial photographs



Final photographs



References:

Chatzigianni A and Sidiropoulou S. The SOS Activator. A Novel Functional Device Combined with Fixed Appliances for the Correction of Class II Malocclusion. *Int J Orthod Milwaukee* 2016;27(3):33-38.

Conclusions

The SOS activator is an alternative functional appliance, which can be combined with fixed appliances in the upper arch. It is also favorable in patients at the late puberty and is a reliable method of choice in such cases.