



3RD CONGRESS OF THE BALKAN ASSOCIATION OF ORTHODONTIC SPECIALISTS
4TH CONGRESS OF THE MACEDONIAN ORTHODONTIC SOCIETY



“THE HIGHS AND LOWS OF ORTHODONTICS – OUR LEARNING CURVE”

BOOK OF ABSTRACTS



SEPTEMBER 12-15, OHRID, NORTH MACEDONIA



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Dear colleagues and friends,

On behalf of the Organizing and Scientific Committees of the joined 3rd Congress of BAOS and 4th Congress of MOS, let me wish you a sincere and cordial welcome in the city of Ohrid, one of the grandeur UNESCO heritage sites.

Let's be as numerous as the grains in a pomegranate – the fruit we have chosen as a logo for the Congress.

Why the pomegranate?

Because it is beautiful, reminding of the beautiful colors of the Balkan under the crown of the sun. Because it consists of chambers and many vivid grains inside them – just as the countries and the nations of the Balkans – divided in one way, but also unseparately living together. The pomegranate symbolizes health, fertility and eternal life. Let's all of us gather under the “crown” of BAOS, as numerous and vivid as the grains of the pomegranate; let's fruitfully foster the orthodontic science and bring healthier life to our patients!

Let's smile together.

Sincerely yours,

Prof. Gabriela Kjurchieva Chuchkova
President of the Congress

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TOPIC 4: FREE TOPIC

PP 27: FACIAL ORTHOPEDICS AS A TREATMENT OPTION IN CLASS III GROWING PATIENTS

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Aim: Developing Class III Malocclusion in most of the cases affects dentofacial appearance the goal of this study is to investigate the changes in the facial appearances in treated patients with Face mask orthopedic treatment and untreated Class III patients.

Material and Method: The sample consisted of 49 patients (boys and girls) who had a Class III Malocclusion with an anterior crossbite and a component of maxillary deficiency. 28 of them were treated with protraction Face mask - Delair mask (petit type) and the other 21 were presenting the control group consisted of untreated Class III Patients. In treated group pretreatment and posttreatment cephalometric radiographs from 28 patients (15 males and 13 females) were analyzed and compared with the results of cephalometric analyzes in untreated group (observation period of 1 year).

Results: from these study showed forward displacement of maxilla (SNA $p < 0.05$) increasing of maxillary length (Co-A $p < 0.05$) correction of maxillary-mandibular relationship (ANB $p < 0.05$) in treated group while in untreated group values for the parameters in the upper jaw and inter jaw relationship before and after the observation period of 1 year showed no statistically significant changes ($p < 0.05$) pointing to the negative impact of incorrect skeletal terms in Class III growing patients.

Conclusion: Based on our findings we can concluded that in Class III patients there is a big motivation for orthodontic treatment because their dentofacial appearance deviates from sociocultural norms. Therefore, an important objective of accepting maxillary protraction treatment in Class III malocclusion is providing nonsurgical alternative in the treatment and improving the physico-social wellbeing and appearance of the patients especially during their teenage years.