



29th

BaSS

Congress
Belgrade
April 24-26, 2025

Abstract Book





Organized by Balkan Stomatological Society - SRB

**29th Congress of the
BALKAN STOMATOLOGICAL SOCIETY**

ABSTRACT BOOK

April 24 - 26, 2025

Sava Center

Belgrade, Serbia

I. Message from the President of the 29th BaSS Congress

Dear Colleagues and Friends,

On behalf of the Serbian Section of the Balkan Stomatological Society (BaSS), and under the auspices of the BaSS Council Members, it is my great pleasure to welcome you to the 29th BaSS Congress in Belgrade.

As in previous years, the 29th BaSS Congress aspires to serve as a dynamic platform for uniting dental professionals from across the Balkans. Our goal is to share up-to-date, world-class knowledge, explore modern international practices, and foster the exchange of experiences- both with leading global experts and among ourselves. This collaborative spirit offers valuable insight into the latest developments in dental science, clinical practice, and emerging technologies.

True to the tradition of BaSS, the Congress will feature a broad and engaging scientific program that spans a wide range of relevant and compelling topics in dentistry. This year, we are placing a special focus on the current and future applications of digital technologies and artificial intelligence in dental practice, with particular attention to their role within the regional context of the Balkan countries.

The Congress will host over 60 distinguished international and regional speakers, delivering a rich and diverse program that includes plenary lectures, round tables, meet-the-expert forums, workshops, oral poster presentations, covering the most innovative themes in our field.

We hope you will find the scientific program both inspiring and informative, and that you will also take the opportunity to enjoy the vibrant social and cultural life of the city of Belgrade.

Professor Dejan Marković

President of the 29th BaSS Congress

II. Message from the President of the Balkan Stomatological Society (BaSS)

Dear Colleagues and Friends,

I am happy to invite you to the 29th Congress of the Balkan Stomatological Society (BaSS) that will be held in Belgrade, Serbia, from 24th to 26th of April 2025.

Dentistry is a constantly developing profession and dentists need to constantly renew their knowledge and information to take into account the latest developments. Being 'ahead of the game' is what our members of society expect from us.

As an Organizing Committee, we aim to create a stimulating and informative congress that will benefit all attendees from the Balkan peninsula. We remain dedicated to delivering outstanding quality and experience to our participants and providing access to the latest technologies, techniques, and trends that will enable dental professionals to offer exceptional care to their patients.

We would like to see all our colleagues in the beautiful city of Belgrade.

Best wishes,

Prof. Dr. Ender Kazazoglu

President of the Balkan Stomatological Society (BaSS)

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FACIAL INDEX VARIATION IN PATIENTS WITH DIFFERENT MALOCCLUSIONS

Sandra Atanasova, Sofija Carceva Salja, Ljubica Prosheva Pelivanova, Katerina Zlatanovska, Julija Zarkova Atanasova, Sanja Nashkova, Natasha Longurova

Faculty of Medical Sciences, Goce Delcev University, Stip, North Macedonia

Objectives: The facial index plays a key role in orthodontics, as it relates to different types of faces. Based on this, an orthodontic treatment plan is developed. The aim of this study was to evaluate the facial index in patients with different malocclusions.

Methods: A total of 60 participants (25 male, 35 female), aged 16 to 35, were included. They were divided according to the type of malocclusion into three subgroups, each consisting of 20 participants. A photogrammetric analysis was performed using Olympus cellSens Standard software (2011 Olympus Corporation). The facial index was determined for all participants.

Results: For $p < 0.05$, a significant difference was found between the three classes of malocclusion with $F = 10.037$; $df = 2$; $p = 0.0001$. According to the Tukey HSD test ($p < 0.05$), this was due to a significantly higher value for this parameter in Class III malocclusion ($95.37 \pm 6.20\%$) compared to Class I malocclusion ($89.37 \pm 3.06\%$) with $p = 0.0001$ and Class II malocclusion ($90.16 \pm 3.96\%$) with $p = 0.001$. For $p > 0.05$, no significant difference was found between Class I and Class II malocclusion with respect to this parameter, with $p = 0.587$. Regarding gender, a non-significant higher facial index was observed in men compared to women in Class II ($t(12) = 1.128$; $p = 0.274$) and Class III ($t(18) = 1.966$; $p = 0.065$), while a non-significantly lower index was observed in men in Class I ($t(18) = 1.806$; $p = 0.088$).

Conclusion: Based on the type of malocclusion and the gender of the participants, there are different facial types in patients with sagittal discrepancies.

Keywords: Analysis, Index, Macroesthetics, Malocclusion