



“Goce Delcey” University- Stip

# DENTAL SUMMER SCHOOL & SECOND INTERNATIONAL STUDENTS CONGRESS IN DENTAL MEDICINE 2019

Hotel “Desaret”, Ohrid,  
N.Macedonia

23.05-26.05.2019



**“Goce Delcev” University - Stip**



# **DENTAL SUMMER SCHOOL & SECOND INTERNATIONAL STUDENT’S CONGRESS IN DENTAL MEDICINE 2019**

Students of the Faculty of Medical Sciences- Dental Medicine at the University “Goce Delcev” in Stip gladly invites you to participate in Dental Summer School and Second International Student’s Congress which will be attended in Hotel „Desaret”-Ohrid during the period from 23.05.2019 until 26.05.2019.

Dental Summer School is a project that we are especially proud of and grateful for the opportunity to upgrade our theoretical knowledge through the lectures and to perfect our skills through practical workshops.

Motivated by the success of the previous Summer School, we hope for another successful organization that will grow into a tradition, and will be a guide and motivation for future generations.

Enjoy!

Hotel “Desaret”, Ohrid , N. Macedonia - 23.05. - 26.05.2019

# AGENDA

First day-Thursday, 23<sup>rd</sup> May 2019

## WELCOME! ENJOY YOUR STAY!

10:00-12:00 Registration of participants

13:00-15:00 Lunch

15:30-16:00 Opening ceremony

### Oral presentations-session 1

**Chairmen: Prof. d-r Kiro Papakoca, Ass. prof. d-r Katerina Zlatanovska, Mirjana Ristovska**

**16:00-16:20** *Invited speaker-*

Prof. d-r Rubin Gulaboski, Dean of the Faculty of Medical Sciences  
**Pandemic Fraud in Science and Publishing**

**16:20-16:30**

**Changes of Root Surface in the Periodontal disease**

Ass. d-r Mihajlo Petrovski, Prof. d-r Ana Minovska  
Faculty of Medical Sciences , University “Goce Delcev” – Stip

**16:30-16:40**

**Contemporary recommendations for the prophylaxis of infective endocarditis**

Author: Monika Siljanovska  
Mentor: Doc. d-r Gordana Apostolova  
Faculty of Dentistry, University “Ss. Cyril and Methodi”, Skopje

<b>16:40-16:50</b>	<b>Connection between oral and systemic diseases</b> Author: <u>Martin Treneski</u> Co-author: Popovska Viktorija Mentor: Ass. Prof. d-r Natasha Longurova Co-mentor :Prof. d-r Ivona Kovachevska Faculty of Medical Sciences, University "Goce Delcev" - Stip
<b>16:50-17:00</b>	<b>The influence of oral hygienic habits on the occurrence of halitosis in students of dental medicine</b> Author: <u>Stefan Ilievski</u> Co-author: <u>Spase Sulev</u> Mentor: Ass.d-r Mihajlo Petrovski Co-mentor: Mr.Sci d-r Olivera Terzieva-Petrovska Faculty of Medical Sciences, University "Goce Delcev" - Stip
<b>17:00-17:15</b>	Discussion

### Oral presentation-session 2

<b>Chairmen: Prof. d-r Cena Dimova, Ass. d-r Mihajlo Petrovski, Spase Sulev</b>
<b>17:30-17:50</b> <i>Invited speaker-</i> Prof. d-r Cena Dimova, Faculty of Medical Sciences, University "Goce Delcev" <b>The importance of evidence based dentistry in everyday clinical practice</b>
<b>17:50-18:00</b> <b>The fractures of the zygomatic bone-diagnosis, classifications, therapy</b> Author: <u>Ivan Rakić</u> Mentor: Prof. d-r Dragan Krasić Department of Maxillofacial Surgery Clinic for Dentistry Niš, Faculty of Medicine, University of Niš, Serbia
<b>18:00-18:10</b> <b>3D movies, 3D clones, and now dentistry has gone digital too</b> Author: <u>Ana Martina Kostadinova</u> Co-author : <u>Martina Ginovska</u> Mentor: Spec. dent. tech. Pavle Apostoloski Faculty of Medical Sciences, University "Goce Delcev" – Stip

**18:10-18:20**

**Orthodontic treatment in patients with diabetes mellitus**

Author: Slavica Koteva

Co-author: Teodora Adzieva

Mentor: Ass. d-r Sandra Atanasova  
Co-mentor: d-r Ljubica Prosheva  
Faculty of Medical Sciences, University "Goce Delcev" – Stip

**18:20-18:30**

**Pattern of dental malocclusions in Dental Medicine students**

Author: Millena Crngarova

Co-author: Tanja Stefanova

Mentor: Ass. d-r Sandra Atanasova  
Co-mentor: Ass. Prof. d-r Sanja Nashkova  
Faculty of Medical Sciences, University "Goce Delcev" - Stip

**18:30-18:45**

Discussion

20:30-00:00

Karaoke Party



## Second day-Friday, 24<sup>th</sup> May 2019

### Oral presentation-session 3

**Chairmen: Prof. d-r. Kiro Papakoca, Mr.Sci d-r Olivera Terzieva-Petrovska, Hristijan Dimovski**

**9:30-9:50**

*Invited speaker-*

Prof. d-r Kiro Papakoca, Faculty of Medical Sciences, University "Goce Delcev"  
**Prosthetics solution for different type of edentation with dental implants**

**9:50-10:00**

**A clinical therapy for the treatment of Peri – Implantitis**

Author: Andrej Petrushevski Co – author: Krmzova Valentina  
Mentor: Prof. d-r Kiro Papakoca Co – mentor:d-r Krmzova Suzana  
Faculty of Medical Sciences , University "Goce Delcev" – Stip

**10:00-10:10**

**Application of dermal fillers- doctors VS.cosmetic technicians**

Author: Mirjana Ristovska Co-author: Verica Shajkarova  
Mentor: d-r Ljubica Prosheva Co-mentor: Ass. d-r Sandra Atanasova  
Faculty of Medical Sciences, University "Goce Delcev" – Stip

**10:10-10:20**

**Red and white aesthetics with all ceramic crowns and bridges**

Author: d-r.spec.Danilo Krstevski Co-authors:d-r Dubravka Angjelic-Krstevska, d-r Katerina Spasovska *PZU "Stela" - Skopje*  
Mentor: Prof.d-r Dragoljub Veleski Co – mentor:Prof.d-r Cena Dimova  
Faculty of Medical Sciences , University "Goce Delcev" – Stip

**10:20-10:30**

**Aesthetic treatment of first upper premolar**

Author: Maja Trajkova Co-author: Nina Dimevska  
Mentor:d-r Verica Toneva Stojmenova Co-mentor:Prof. d-r Ivona Kovacevska  
Faculty of Medical Sciences , University "Goce Delcev" – Stip

**10:30-10:45**

Discussion

### Workshops

**11:00-14:00**

**CAD/ Design and types of aesthetic layering zirconia**

Spec.dent.tech. Kiril Mitevski, Dent.tech. Kiril Martulkov, Dent.tech. Konstadin Martulkov

<b>11:00-14:00</b>	<b>Introduction to Dental implantology- Basic Surgical Procedures of Implant Placement</b> Prof. d-r Kiro Papakoca ,Ass. d-r Mihajlo Petrovski, d-r Suzana Krmzova, d-r Ljubica Proseva
<b>11:00-14:00</b>	<b>Tooth color assesment methods in dental practice</b> Ass. d-r Julija Zarkova Atanasova-Atnasova, Ass. Prof.d-r Katerina Zlatanovska, Ass.d-r Sandra Atanasova

**14:00-16:00** Lunch

<b>Workshops</b>	
<b>16:00-18:00</b>	<b>Alternative mandibular anesthesia</b> Prof. d-r Cena Dimova, d-r Sonja Rogoleva
<b>16:00-18:00</b>	<b>Oral hygiene practices and tooth cleaning techniques”</b> Ass.Prof. d-r Sanja Nashkova , Ass. d-r Mihajlo Petrovski, Mr.d-r Olivera Terzieva-Petrovska, d-r Ljubica Proseva

<b>18:30-19:30</b>	<b>Poster session 1</b> <b>Chairmen: Ass. Prof. Sanja Naskova, Dr. Sonja Rogoleva, Maja Trajkova</b>
<b>Poster no. 1</b>	<b>Don't let checkup become a matter of luck</b> Autor: <u>Martina Ginovska</u> Co-author: Ana Martina Kostadinova Mentor:d-r Ljubica Proseva Co-mentor:Ass.Prof.d-r Sanja Nashkova Faculty of Medical Sciences , University “Goce Delcev” – Stip



<b>Poster no. 2</b>	<p><b>Evaluation of need for pre-prosthetic endodontic therapy</b>  Author: <u>Hristijan Dimovski</u> Co-author: Vane Panov  Mentors: d-r Natasha Arsova, Ass.prof.d-r Natasha Longurova, d-r Verica Toneva-Stojmenova  Faculty of Medical Sciences , University “Goce Delcev” – Stip</p>
<b>Poster no. 3</b>	<p><b>Clinical periodontal changes during pregnancy</b>  Author: <u>Zorica Kozuharova</u> Co-author: Maja Trajkova  Mentor: Mr.d-r Olivera Terzieva –Petrovska Co-mentor: Ass.d-r Mihajlo Petrovski  Faculty of Medical Sciences , University “Goce Delcev” – Stip</p>
<b>Poster no. 4</b>	<p><b>Initial bone loss around dental implants – CASE REPORT</b>  Author: <u>Krmzova Valentina</u> Co – author: Petrushevski Andrej  Mentor: Prof. d-r Kiro Papakoca Co –mentor:d-r Krmzova Suzana  Faculty of Medical Sciences , University “Goce Delcev” – Stip</p>
<b>Poster no. 5</b>	<p><b>Effects of non-nutritive sucking habits on occlusion in mixed dentition</b>  Author: <u>Marinela Miladinovska</u>  Mentor: Mr.Sci d-r Olivera Terzieva-Petrovska Co-mentor: Ass. d-r Mihajlo Petrovski</p>
<b>Poster no. 6</b>	<p><b>Efficiency of fissures filling in caries prevention</b>  Author: <u>Monika Kitanova</u> Co -autor Stefan Ilievski  Mentor: d-r Sonja Rogoleva Co-mentor:d-r Verica Toneva –Stojmenova  Faculty of Medical Sciences, University “Goce Delcev”- Stip</p>
<b>Poster no.7</b>	<p><b>Variations in cuspal morphology in upper first permanent molars among dental students</b>  Author: <u>Bojana Simevska</u> Co-Author: Elena Charakchieva  Mentor: Mr.Sci d-r Olivera Terzieva –Petrovska Co-mentor:Prof.d-r Kiro Papakoca  Faculty of Medical Sciences , University “Goce Delcev” – Stip</p>
<b>Poster no. 8</b>	<p><b>Xerostomia and Causative Consequences</b>  Author: <u>Valerija Stojanovska</u> Co-author: Viktorija Stojanovska  Mentor: d-r Sonja Rogoleva Co-mentor: d-r Darko Kocovski</p>

**Poster no. 9****Teeth hypersensitivity after restoration**

Autor : Nenad Karov

Co-author Martin Treneski

Mentor: d-r Ljupka Lazarova

Co-mentor: Ass. d-r Mihajlo Petrovski

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**Poster no.10****Microbiology in the oral cavity**

Author: Anastazija Joleva

Co-author: Monika Netkova

Mentor: Ass.Prof. d-r Natasha Longurova

Co-mentor: Ass. Prof. d-r Katerina

Zlatanovska

**Poster no. 11****Presence of third molar among students from third year, dental medicine**

Author: Andzelo Dimov,

Co-author: Mario Jovanov

Mentor: Ass. d-r Sandra Atanasova

Co-mentor: d-r LjubicaProseva

Faculty of Medical Sciences , University “Goce Delcev” – Stip

**Poster no. 12****Prevalence of denture stomatitis among institutionalized elderly**

Author: Keti Nikolova

Co-author: Cvetanka Srceva

Menthor: Ass.Mihajlo Petrovski Co-mentor:Mr.Sci.d-r Olivera Terzieva-Petrovska

Faculty of Medical Sciences , University “Goce Delcev” – Stip

20:30-00:00

Masquerade, show under masks



**Oral presentation-session**

**Chairmen: Ass. d-r Sandra Atanasova, Ass. d-r Julija Zarkova Atanasova, Valentina Krmzova**

**9:30-9:50**

*Invited speaker-*

Mr.Sci d-r Olivera Terzieva-Petrovska, Faculty of Medical Sciences, University "Goce Delcev"

**Dental Lasers- Next Generation Dentistry Technology**

**Tips for adhesive cementation of all ceramic restoraions**

Ass.d-r Julija Zarkova Atanasova, Prof. d-r Ivona Kovacevska  
Faculty of Medical Sciences , University "Goce Delcev" – Stip

**10:00-10:10**

**Alternative solutions for treatment of partial edentulism**

Author: Stefanija Stojanova Co-author:Senad Kovacevik  
Mentor: Ass.Prof.d-r Katerina Zlatanovska Co-mentor: d-r Darko Kocovski  
Faculty of Medical Sciences, University "Goce Delcev" – Stip

**10:10-10:20**

**Advantages and disadvantages of modern aesthetic materials Ceramic vs Composite**

Author: Teodora Seneva Co-author: Tamara Eftimova  
Mentor: Spec.dent.tech. Pavle Apostoloski Co-mentor: d-r Ljubica Prosheva  
Faculty of Medical Sciences , University "Goce Delcev" – Stip

**10:20-10:30**

**Comparison between CAD-CAM and hot-press lithium disilicate crowns**

Author:Vasko Hristov fCo-author: Zivanka Arlamova  
Mentor: Spec.dent.tech. Kiril Mitevski Spec. dent.tech. Pavle Apostolovski  
Faculty of Medical Sciences, University "Goce Delcev" – Stip

**10:30-10:45**

Discussion

## Workshops

**11:00-14:00**

### **Aesthetic follows function Ceramic vs Composite-part 1**

Mr.Sci.dent.tech. Claus Jurgen, Dent.tech. Blagoj Davitkov, Spec. dent.tech. Pavle Apostoloski

**11:00-14:00**

### **Needles, suture materials and knots used in oral surgery procedures**

Prof. d-r Cena Dimova  
d-r Sonja Rogoleva, d-r Marija Miteva

**14:00-16:00**

### **Lunch**

## Workshops

**16:00-18:00**

### **Aesthetic follows function Ceramic vs Composite-part 2**

Mr.Sci.dent.tech. Claus Jurgen, Dent. tech. Blagoj Davitkov, Spec.dent. tech Pavle Apostoloski

## Additional program

**16:00-16:15**

### **Immediate loading in dental implantology using one-piece implants**

d-r Tome Piperevaliev PHO Denticija-Gevgelija

**16:30-18:00**

### **Forum theater „Does the faculty teaches us this way?“**

Vladimir Karaev  
NVO HERA

**18:30-19:30**

**Poster session 2**

**Chairmen: Ass. Prof. Katerina Zlatanovska, Spec. Pavle Apostoloski, Martina Ginovska**

**Poster no. 1**

**3 Shape TRIOS- Intraoral Scanner**

Author: Stanija Zlatanovik Co-author: Dijana Davitkova

Mentor: d-r Suzana Krmzova Co-mentors: Spec. dent. tehn Kiril Mitevski, Spec.dent.tehn Pavle Apostoloski

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**Poster no. 2**

**Complication of fixed dental prosthesis**

Author: Viktorija Zlatkova Co – author: Sara Trajanova

Mentor: d-r Kocovski Darko Co – mentor: d-r Sonja Rogoleva

Faculty of Medical Sciences , University "Goce Delcev" – Stip

**Poster no. 3**

**Laboratory techniques for dental veneer restoration**

Author: Stefanija Gorgieva Co-author: Martina Daruda

Mentor: Ass.Prof.d-r Katerina Zlatanovska Co-mentor: Ass. Prof. d-r Natasa Longurova

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**Poster no. 4**

**Immediate loading of dental implants in 7 days**

Author: d-r Dubravka Angelic Krstevska Co - authors: d-r.spec. Danilo Krstevski, d-r Katerina Spasovska, d-r Dario Krstevski PZU "Stela" - Skopje

Mentor: Prof. d-r Dragoljub Veleski Co – mentor: Prof. d-r Cena Dimova

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**Poster no. 5**

**Acrylic bridges-advantages for everyday dental usage**

Autor: Angela Davcevska Co-autor: Marija Ristova

Mentor: d-r Ljupka Lazarova Co-mentor: Mr .Sci d-r Olivera Terzieva- Petrovska

**Poster no. 6**

**CAD/Design and types of aesthetic layering zirconia**

Autor: Filip Stojanovski Co-autors: Tanja Jovanova, Teodora Stojkova

Mentor: Spec.dent.tehn Kiril Mitevski, Co-mentor: Spec.dent.tehn Pavle Apostoloski

<b>Poster no.7</b>	<b>Cleaning re-usable instruments in general dental practice</b> Author: <u>Radmila Dimitrovska</u> Co-author: Teodora Adzieva Mentor: d-r Verica Toneva
<b>Poster no. 8</b>	<b>Differences in the modeling of a wax construction for faceting with composite and ceramic masses</b> Author: <u>Emilija Malakovska</u> Co-author: Tijana Stojanovska Mentor: Spec.dent.tehn Apostoloski Pavle Co-mentor: d-r Ljubica Prosheva
<b>Poster no. 9</b>	<b>Midline Diastema Closure</b> Author: <u>Viktorija Popovska</u> Mentor: d-r Darko Kocovski Co-mentor: d-r Monika Atanasov Faculty of Medical Sciences , University "Goce Delcev" – Stip
<b>Poster no.10</b>	<b>Composite laminates for a perfect smile</b> Author: <u>Verica Saikarova</u> Co-author: Mirjana Ristovska Mentor: d-r Ljubica Prosheva Co-mentor: Ass.d-r Sandra Atanasova
<b>Poster no. 11</b>	<b>Techniques for fabrication of temporary dental restorations</b> Author: <u>Dimitar Mitev</u> Co-author: Ognen Cvetanoski Mentor : Ass.d-r Julija Zarkova Atanasova Faculty of Medical Sciences , University "Goce Delcev" – Stip
<b>Poster no. 12</b>	<b>Prevalence of temporomandibular disorders among dental students in University GoceDelcev - Stip</b> Author: <u>Senad Kovacevik</u> Co-author : Stefanija Stojanova Mentor: Ass. Prof. d-r Katerina Zlatanovska Co-mentor: Ass. d-r Julija Zarkova Atanasova Faculty of Medical Sciences , University "Goce Delcev" – Stip

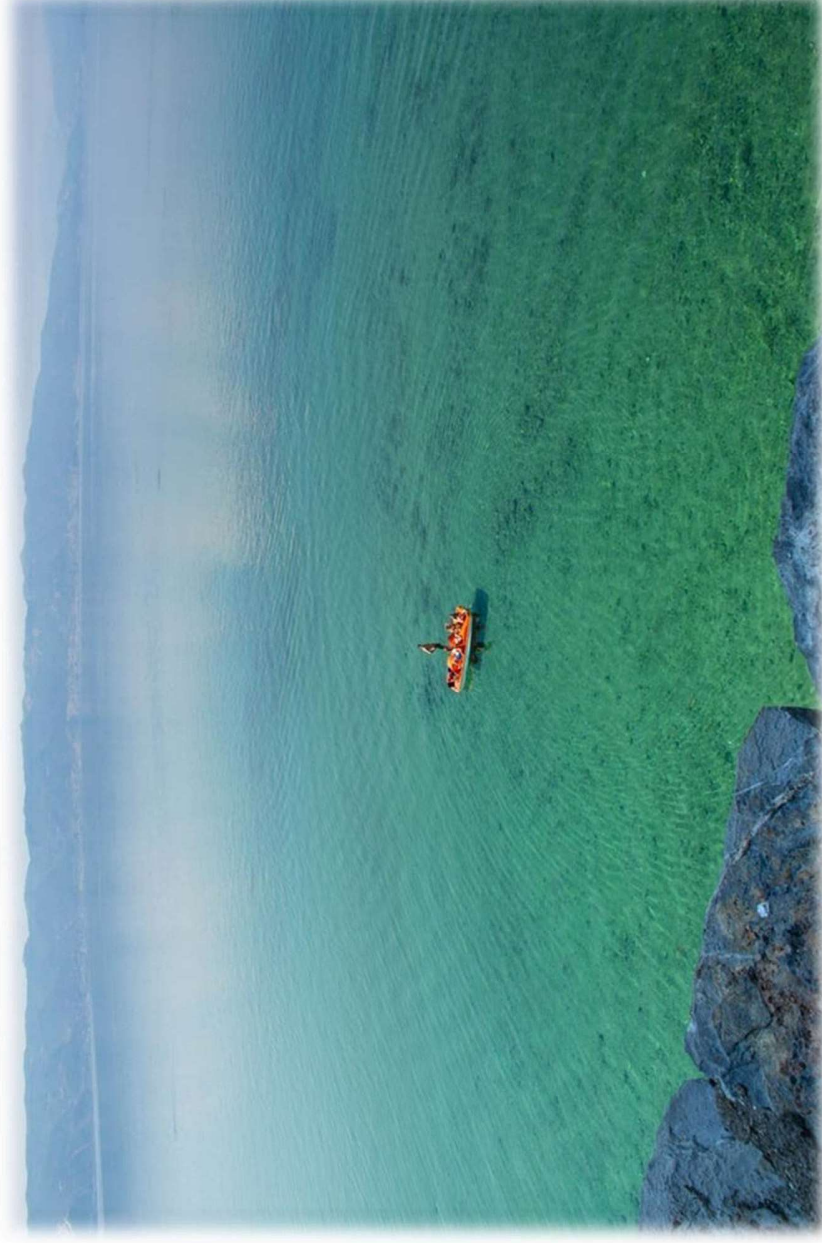
20:30-00:00

**GALA DINNER, CLOSSING CEREMONY**

Fourth day-Sunday, 26<sup>th</sup> May 2019

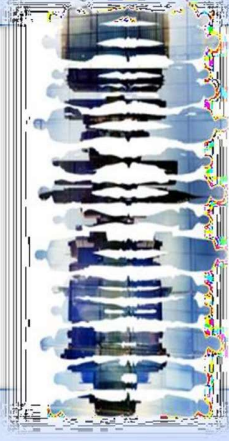
11:00-15:00

**BOAT CRUISING**



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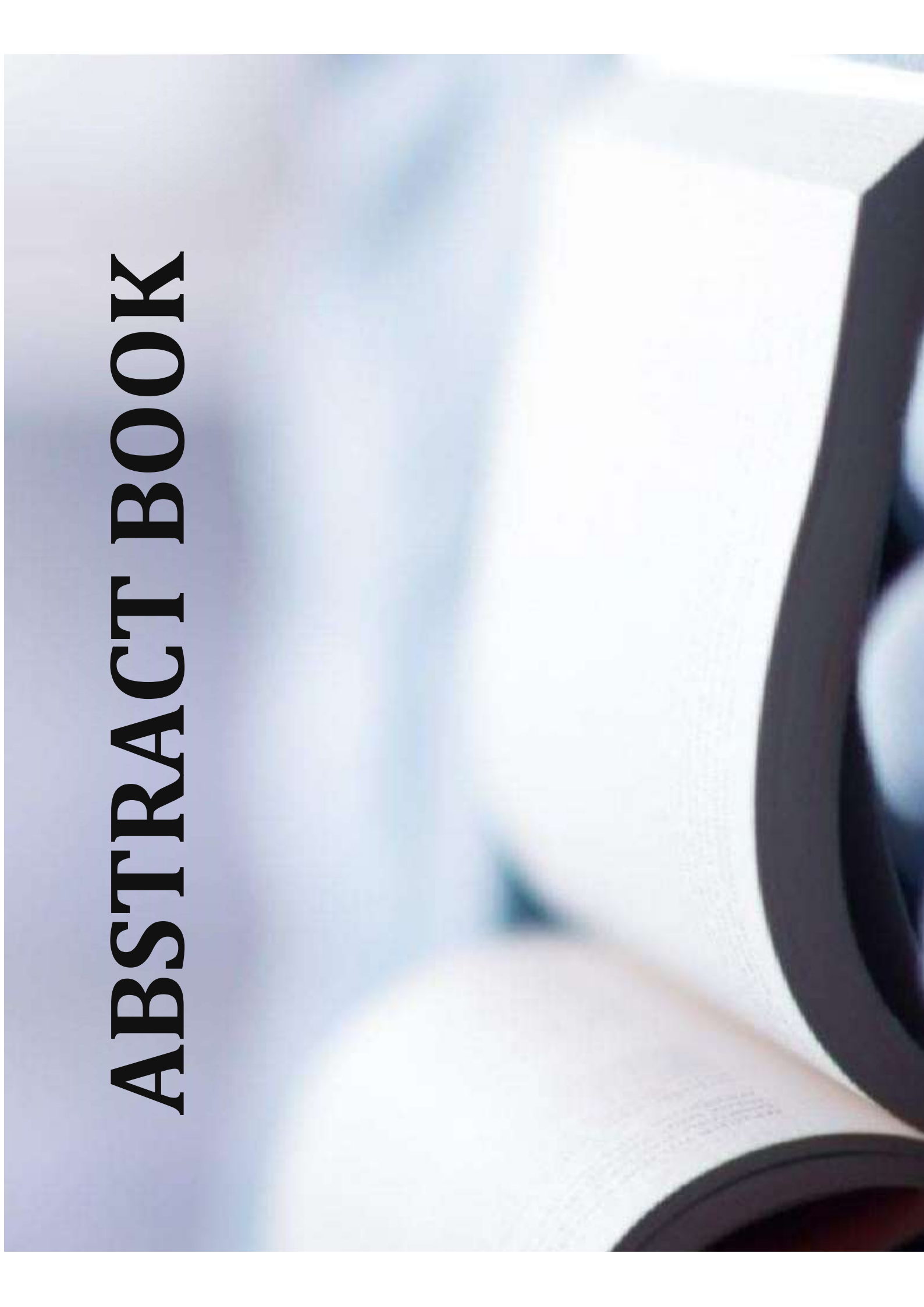


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- Spec.dent.tech. Pavle Apostoloski



# ABSTRACT BOOK



## Orthodontic treatment in patients with diabetes mellitus

Author: **Slavica Koteva** Co-author Teodora Adzieva

Mentor: Sandra Atanasova Co-mentor: Ljubica Prosheva

*Faculty of medical sciences, Goce Delcev University-Stip*

### **Abstract**

Diabetes mellitus is a systematic disease and has a major negative impact on different organs and systems, including oral cavity and teeth. Diabetes mellitus is a common and a serious public health problem. There are 3 types of diabetes: type 1 also known as juvenile or insulin dependent diabetes, type 2 or non-insulin-dependent diabetes mellitus and type 3 or gestational diabetes. Dentists often are faced with diabetic patients who are demanding orthodontic treatment.

The main aim of this study was to evaluate the oral manifestation in orthodontic patients. Oral and dental manifestation of diabetes mellitus are: mouth dryness (xerostomia), burning mouth syndrome, dental caries, periodontitis and gingivitis, ketone breath in poorly controlled patients, teeth disposition and misalignment, brittle teeth, recurrent oral infections (e.g. oral candida, mouth ulcerations), altered taste sensation and also there is delayed healing of mucous membranes.

Treatment considerations in patients with diabetes mellitus are: consideration before deciding orthodontic treatment, during the process of orthodontic intervention and diabetic emergencies during orthodontic treatment. Diabetic patients often seek for orthodontic treatment and dentists should be aware about the importance of this condition to prevent all possible complications. It is necessary for dentists to have a basic and solid knowledge about diabetes diagnosis, management, dental consequences, and the considerations to be taken during orthodontic treatment. Diabetes is not a contraindication to orthodontic treatment.

### **Key words**

dentists, diabetes mellitus, orthodontic treatment, patients