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TURKISH COOPERATION AND COORDINATION AGENCY



# 27<sup>th</sup> Congress of the **Balkan Stomatological Society (BaSS)**

## “ Past, Present and Future of Dental Implants and Gerodontology ”

November 9-11, 2023  
Istanbul Atlas University  
Istanbul, Türkiye



[www.e-bass.org/27thcongress](http://www.e-bass.org/27thcongress)



**ISTANBUL ATLAS UNIVERSITY**  
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Anadolu Caddesi  
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Istanbul - TÜRKİYE  
[www.atlas.edu.tr](http://www.atlas.edu.tr)



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Invitation Letter

Dear friends, respected colleagues,

On behalf of the Balkan Stomatological Society, I am most pleased to extend a warm welcome to the 27th BASS Congress – “Past, Present and Future of Dental implants and Gerodontology”, to our members, followers and everyone involved in our society.

This exceptional congress will be held from 9th to 11th of November 2023 in Istanbul, Turkey and hosted by Istanbul Atlas University.

I have no doubt that this congress will certainly be a special occasion for those involved in research and professional development. It will be an opportunity to meet, to listen, to discuss and to share information since an exciting line-up of expert speakers including top practitioners, opinion leaders and researchers will be included.

Herewith, I wish to invite you to make plans to join us at this 27th BASS Congress in the hospitable environment that our Turkish colleagues have prepared. You will have magnificence lucky chance to enjoy the famous Bosphorus Strait cuts through the city, allowing for a vibrant melting pot of cultures, architectural styles, and cuisines.

Yours sincerely,

**Prof. Ana Minovska,**  
President of the Balkan Stomatological Society (BASS)



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Dear participants,

As Istanbul Atlas University, the host of the 27th International Balkan Congress on behalf of the Balkan Stomatology Society, we are pleased to invite you to Istanbul. We will host you in a family atmosphere at our distinguished campus located in the center of Istanbul. The city of Istanbul, famous for its centuries-old history, art, and natural beauty, will be waiting for you.

BaSS 2023 Annual Congress's scientific program will consist of high-level keynote lectures, round table meetings, and “Expert sessions” with topics of great importance for our specialty. Distinguished international speakers will honor the Annual Congress with their presence and will share with the around 800 participants knowledge, experience, and expertise. A plenty of oral presentations and posters will be presented.

We take great pleasure to welcome you to Istanbul for BaSS 2023.

Yours sincerely,

**Prof. Dr. A Bülent KATİBOĞLU**

President of the 27th BaSS Congress





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### Committee

#### President of the 27th BaSS Congress

Prof. Dr. A. Bülent KATİBOĞLU

#### Scientific Committee

#### President of the Scientific Committee of the 27th BaSS Congress

Prof. Dr. Tamer Lütfi ERDEM

#### 27. BaSS Congress Scientific Committee Vice President

Prof. Dr. Nuriye Emel DERViŞ

#### 27. BaSS Congress Members of the Scientific Committee

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Prof. Dr. Nurgül KÖMERİK

Prof. Dr. Ruzhdie QAFMOLLA

Prof. Dr. Dejan MARKOVIC

Prof. Dr. Athanasios POULOPOULOS

Prof. Dr. Ana MINOVSKA

Prof. Dr. Aleksa MARKOVIC

Prof. Dr. Paula PERLEA

Prof. Dr. Norina FORNA

Assoc. Prof. Konstantinos ARAPOSTATHİS

Assoc Prof. Edit XHAJANKA

Asst. Prof. Mihael STANOJEVIĆ

Assoc. Prof. Smiljka ČIČMIĆ

Assoc. Prof. Seda AYDEMİR MUTLU

Assoc. Prof. Muammer Çağrı BURDURLU

Assoc. Prof. Şirin HATIPOĞLU

Dr. Marijan DENKOVSKI

Dr. Jale TUNÇER

Dr. Canan DUMAN

Dr. Oktay DÜLGER

Dr. Ayşe KARKAÇ

Dr. Nilay BUDAK

Dr. Tuğçe BÖREKÇİ

Dr. Gamze KAVUNCU

Dr. Berna İZMİRLİ EVRENOL

Dr. Selim ÇÖMELEKOĞLU

Dr. Zeynep ÖZTÜRKMEN

Dr. Alev Eda OKUTAN SARİBEYLİLER

Dr. Begüm GÖK ÇOBAN

Dr. Erkin ÖZCAN

Dr. Assoc. Prof. Beril ŞAHİNER

Dr. Mustafa Orkun ERTUĞRUL

Dr. Elif ÖZÇELİK



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### **Organizing Committee**

#### **President of the 27th BaSS Congress Organizing Committee**

Prof. Dr. Gamze AREN

#### **27th BaSS Congress Organizing Committee Vice President**

Prof.Dr. İbrahim Bülent ŞERMET

#### **27th BaSS Congress Organizing Committee Members**

Prof. Dr. Mehmet Kamil GÖKER

Prof.Dr. Nurgül KÖMERİK

Assoc. Prof. Seda AYDEMİR MUTLU

Assoc. Prof. Muammer Çağrı BURDURLU

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Scientific Program

November 9 <sup>th</sup> -11 <sup>th</sup> , 2023, Istanbul Atlas University - Turkiye					
November 9 <sup>th</sup> , 2023					
VADI AUDITORIUM HALL - MAIN HALL					COURSE HALL
Time	Sessions	Speakers	Subject	Chairs	
11.00 11.40	Session 1	Prof. Dr. Mehmet Baybora Kayahan	The Determinants of Outcome in Retreatment	Prof. Dr. İlgi Tosun	
11.40 12.20		Prof. Dr. Mustafa Sancar Ataç	PIEZO <sup>9</sup> - Surgery in Corrective Dento-Maxillofacial Surgery		
12.20 13.00		Prof. Dr. Tunç Akkoç	The Use Of Stem Cells in Dentistry		
13.00 13.15	Discussion				
13.15 13.45	Break				



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November 9 <sup>th</sup> , 2023					
VADI AUDITORIUM HALL - MAIN HALL					COURSE HALL
13.45 14.15	Session 2	Prof. Dr. İlgi Tosun	Quality of life and prosthetic Dental Treatment Approaches in Geriatric Individulas	Prof. Dr. Hülya Koçak	<b>COURSE - 13:45-16:15</b> <b>Prof. Dr. Filiz Namdar Pekiner</b> DIAGNOSTIC EVALUATION METHODS IN ORAL DISEASES: Cytological and histological examination <b>COURSE PROGRAM</b> <b>13.45-14.15</b> General information about the characteristics of the oral mucosa and the criteria for reaching the diagnosis <b>14:15-14:45</b> Lesions of benign character in the oral mucosa <b>15:15-15:45</b> Malignant and potentially malignant lesions in the oral mucosa <b>15.45-16.15</b> Cytological, Vital Staining and Biopsy Methods
14.15 14.45		Prof. Dr. Gühan Dergin	Trigeminal Neuralgia Treatment with Long Lasting Local Anesthetics and Infusion Pump		
14.45 15.15		Dr. Theodoros Lillis	Dental Implants in Patients on Antithrombotic Medication. Contemporary Clinical Considerations		
15:15 15:30	Discussion				
15:30 15:45	Coffee Break				



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#### VADI AUDITORIUM HALL - MAIN HALL

15.45 16.15	Session 3	Prof. Dr. Çağrı Delilbaşı	Management of bleeding risk in Oral Surgery	Prof. Dr. Firdevs Şenel
16.15 16.45		Assoc. Prof. Bruno Nikolovski	Applications and Merits of Conscious Sedation in Adult and Geriatric Dentistry	
16.45 17.15		Dr. Mihael Stanojevic	Locator -Protocol and Experiance	
17.15 17:30	Discussion			
18:30 20:00	Opening Ceremony			



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November 10 <sup>th</sup> , 2023						
VADI AUDITORIUM HALL - MAIN HALL					EXECUTIVE HALL	COURSE HALL
Time	Sessions	Speakers	Subject	Chairs		
10.00 10.40	Session 4	Prof. Dr. Tolga F. Tözüm	Advanced Periodontal and Implant Surgeries: Evidence Based Clinical Tips	Prof. Dr. Leyla Kuru	BaSS Meeting	
10.40 11:20		Dr. Aleksandar Jakovljevic	Apical Periodontitis and Low-grade Inflammation - Link with Systemic Diseases			
11:20 11:30	Discussion				BaSS Council Meeting	<b>COURSE 2</b>
11.30 12:00	Session 5	Prof. Dr. Sirmahan Çakarer	Management of TMJ Ankylosis	Dr. Vlademir Filipovski		11:30-13:30 Application of CBCT in dental implant planning and practical Course -
12:00 12:40		Prof. Dr. Leyla Kuru	Periodontal Regeneration: From Molecular and Cellular Basis to Clinical Reality			Dr. Z. Zuhul Yurdabakan Assoc. Prof. Gaye Sezgin Keser
12:40 13:20		Prof. Dr. Vassiliki Anastassiadou	Current Views Linking Oral Health with Nutrition in Older Adults			Assoc. Prof. Özlem Okumuş
13:20 13:30	Discussion					



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Time	Sessions	Speakers	Subject	Chairs		
13:30 14:30	Break					
14.30 15.00	Session 6	Dr. Fisnik Kasapi	A Natural Synergy in Sinus Lift Surgery “PRP - Plasma - Therm Protocol” Dental Implants & Blood Derivates	Prof. Dr. Tolga Tözüm		<b>COURSE 2 -Pratic</b> <b>14:30</b> <b>16:30</b>
15.00 15.30		Prof. Dr. Paula Perlea	Age-Specific Endodontics			Application of CBCT in dental implant planning and practical Course
15.30 16.00		Prof. Dr. Ana Minovska Dr. Zoran Shushak	How Well Do We Understand The Concept Of Difficult and Complex Dental Case?			Dr. Z. Zuhal Yurdabakan Assoc. Prof. Gaye Sezgin Keser Assoc. Prof. Özlem Okumuş
16.00 16.15	Discussion					
16.15 16.30	Coffee Break					



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VADI AUDITORIUM HALL - MAIN HALL					EXECUTIVE HALL	COURSE HALL
Time	Sessions	Speakers	Subject	Chairs		
16.30 17.00	Session 7	Prof. Dr. Norina Consuela Forna	A Natural Synergy in Sinus Lift Surgery “PRP - Plasma - Therm Protocol” Dental Implants & Blood Derivates	Dr. Fisnik Kasapi		
17.00 17.30		Assoc. Prof. Radmila Dimovska	We are All Artists - Orthodontic Anomalies From Different Point of Viuwe			
17.30 18.00		Dr. Vlademir Filipovski	Study of Dental Implants Osseointegration - Placed in Patients with Type 2 Diabetes Mellitus			
18:00 18:30		Assoc. Prof. Erol Cansız	The Role of Maxillofacial Surgeon in the Treatment of OSA			
18:30 18:45	Discussion					





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### November 11<sup>th</sup>, 2023

#### VADI AUDITORIUM HALL - MAIN HALL

#### EXECUTIVE HALL

Time	Sessions	Speakers	Subject	Chairs	
09.00 09.40	Session 8	Dr. Marijan Denkovski & Assoc. Prof. Aneta Mijoska	Significance of contemporary Non Invasive Methods for Assessing Oral Mucos Lesionas in Geriatric Patients	Prof. Dr. İlknur Özcan	
09.40 10.20		Prof. Dr. Ingrid Różyło-Kalinowska	Diagnostic Imaging in Gerodontology		
10:20 10:30		Discussion			
10:30 11:00	Coffee Break				
11:00 11:40	Session 9	Prof. Dr. Filiz Mediha Namdar Pekiner	Approach to Erosive and Ulcerative Lesions in the Oral Mucosa	Prof. Dr. Elif Sepet	BaSS Council Meeting
11:40 12:20		Dr. Alba Koshovari	Systematic Review of Some Prosthetic Risk Factors for Periimplantitis in Monophasic and Bifasic Dentals		
12:20 12:50		Doç. Dr. Aslı Günay Bulutsuz	Exploring Modeling and Design Criteria for Dental Implants and Stents Using Various Metallic Materials		
12:50 13:00	Discussion				
13:00 14:00	Break				



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November 11 <sup>th</sup> , 2023					
VADI AUDITORIUM HALL - MAIN HALL					EXECUTIVE HALL
Time	Sessions	Speakers	Subject	Chairs	
	Session 10	Round Table: Diseases of the Salivary Glands: New Insights into Diagnosis and Management			BaSS General Assambley
14:00 14:30		Prof. Dr. Nikolas Nikitakis	New Insights into Diagnosis of Diseases of the Salivary Glands		
14:30 15:00		Prof. Dr. Athanasios Pouloupoulos	Management of the Diseases of the Salivary Glands.		
15:00 15:30		Prof. Dr. Kaan Orhan	Curent Imaging modliaties of Salivary Glands		
15:30 15:40	Discussion				
15:40 15:50	Coffee Break				
15:50 16:30	Session 11	Prof. Dr. Aleksa Markovic	Immediate Placement with Immediate Loading in the Esthetic Zone	Dr. Zoran Vlahovic	BaSS Congress Awards
16:30 17:00		Prof. Dr. Kaan Orhan	Current Imaging and Recent Advances of Temporomandibular joint ( TMJ ) Disorders		
17:00 17:30		Dr. Milan Vucetic	Benefits Behind Piezosurgery		
17:30 18:00		Prof. Dres. Klaus and Yvette Draenert	Replica-Based Bone Formation		
18:00 18:20	Discussion				



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### ORAL PRESENTATIONS

November 9<sup>th</sup>, 2023

#### HALL B - ORAL PRESENTATION-Zaha Hadid Hall

Time	Sessions	Chairs	Oral Presentations
11.00-12.10	Session 1	Dr. Begüm Gök Çoban	OP-1, OP-2, OP-3, OP-4, OP-5, OP-6, OP-7
12.10-12.30			Discussion
12.30-13.20	Session 2	Dr. Oktay Dülger	OP-22, OP-23, OP-24, OP-25, OP-26
13.20-13.40			Discussion
13.40-14.30	Session 3	Dr. Nilay Budak	OP-27, OP-28, OP-29, OP-30, OP-31
14:30-14:50			Discussion

### ORAL PRESENTATIONS

November 9<sup>th</sup>, 2023

#### HALL C -ORAL PRESENTATIONS - Harezmi Hall

Time	Sessions	Chairs	Oral Presentations
11.00-12.10	Session 1	Dr. Selim Çömelekoğlu	OP-8, OP-10, OP-11, OP-12, OP-13,OP-14
12.10-12.30			Discussion
12.30-13.40	Session 2	Dr. Jale Tunçer	OP-15, OP-16, OP-17, OP-18, OP-19, OP-21



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## ORAL PRESENTATIONS

November 10<sup>th</sup>, 2023

### HALL B - ORAL PRESENTATION-Zaha Hadid Hall

Time	Sessions	Chairs	Oral Presentations
10.00-11:00	Session 4	Dr. Gamze Kavuncu	OP-32, OP-33, OP-34, OP-35, OP-36, OP-37
11.00-11.20			Discussion
11.20-12.40	Session 5	Dr. Canan Duman	OP-49, OP-50, OP-51, OP-52, OP-53, OP-54, OP-55, OP-56
12.40-13.00			Discussion
13:00-13:50	Session 6	Dr. Ayşe Karkaç	OP-67, OP-68, OP-69, OP-70, OP-71
13:50-14:10			Discussion
14:10-15:00	Session 7	Dr. Canan Duman	OP-72, OP-73, OP-74, OP-76
15:00-15:20			Discussion





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### ORAL PRESENTATIONS

November 10<sup>th</sup>, 2023

#### HALL C -ORAL PRESENTATIONS - Harezmi Hall

Time	Sessions	Chairs	Oral Presentations
10.00-11:00	Session 3	Dr. Zeynep Öztürkmen	OP-38, OP-39, OP-40, OP-41, OP-42, OP-43
11.00-11.20			Discussion
11.20-12:10	Session 4	Dr. Zeynep Öztürkmen	OP-44, OP-45, OP-46, OP-47, OP-48 - OP109, OP-111
12:10-12:30			Discussion
12:30-13:20	Session 5	Dr. Elif Özçelik	OP-57, OP-58, OP-59, OP-60, OP-61
13:20-13:40			Discussion
13:40-14:30	Session 6	Dr. Elif Özçelik	OP-62, OP-63, OP-64, OP-65, OP-66, OP-110
14.30-14.50			Discussion



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November 11<sup>th</sup>, 2023

#### HALL B - ORAL PRESENTATION-Zaha Hadid Hall

Time	Sessions	Chairs	Oral Presentations
9.00-10.10	Session 8	Dr. Erkin Özcan	OP-86, OP-87, OP-88, OP-89, OP-91, OP-92
10.10-10.30			Discussion
10.30-11.50	Session 9	Dr. Alev Eda Okutan Saribeyliler	OP-93, OP-94, OP-95, OP-96, OP-97, OP-98, OP-99, OP-100

#### HALL C - ORAL PRESENTATION-Harezmi Hall

Time	Sessions	Chairs	Oral Presentations
9.00-9.50	Session 7	Dr. Tuğçe Börekçi	OP-77, OP-78, OP-79, OP-80, OP-81
9.50-10.10			Discussion
10.10-10.50	Session 8	Dr. Tuğçe Börekçi	OP-82, OP-83, OP-84, OP-85
10.50-11.10			Discussion
11.10-12.20	Session 9	Dr. Elif Özçelik	OP-101, OP-102, OP-103, OP-104, OP-105, OP-106, OP- 107, OP-20

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## Scientific Program - Poster Presentations

November 11<sup>th</sup>, 2023

POSTER HALL-Vadi Auditorium Hall Lobby

	GROUP 1	GROUP 2	GROUP 3
11:00-12:30	P01-P02-P03-P04-P05- P06-P07-P08-P09-P10	P31-P32-P33-P34- P35- P36-P37-P38- P39-P40	P51-P52-P53-P54- P55- P56-P57-P58- P59-P60
12:30-14:00	P11-P13-P14-P15- P16- P17-P18-P19-P-20	P41-P42-P43-P44- P45- P46-P47-P48- P49-P50	P61-P62-P63-P64- P65- P66-P67
14:00-15:30	P21-P22-P23-P24-P25- P26-P27-P28-P29-P30		



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### [OP-074]

#### Biological properties of nitinol archwires coated with titanium nitride- copper films

Bojana Ilic, Bozana Petrovic, Jelena Marinkovic, Jelena Filipovic Trickovic, Jadranka Miletic Vukajlovic  
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**Objectives:** The main purpose of orthodontic treatment (OT) is to accomplish an optimal occlusal relationship in order to obtain adequate oral function and aesthetic appearance. Under optimal economic conditions, demand for OT reaches at least 35%, but in higher socioeconomic areas in US more than 50% of children are receiving orthodontic care. Acceptance of OT in Europe, like in western population and Scandinavian countries, is at similar levels. Very desirable mechanical characteristics, such as shape memory effect and superelasticity, expanded the use of nitinol (NiTi) archwires in orthodontics significantly. The complex conditions present in the oral cavity, including biofilm formation on the exposed surfaces, substantially alter the surface and structural properties of the NiTi archwires compromising the safety of OT. The necessity for developing novel material coating that would decrease Ni release and improve biological properties is of a great importance. **Materials-Methods:** Copper doped titanium nitride films (TiN-Cu) on the surface of NiTi archwires were obtained by combination of the cathodic arc evaporation and DC magnetron sputtering. The physicochemical characterization was performed using energy-dispersive X-ray spectroscopy (EDS) and X-ray diffraction (XRD). Ion release was assessed using inductively coupled plasma optical emission spectrometry (ICP-OES). The cytotoxicity of NiTi archwires, stainless steel (SS) archwires and TiN-Cu coated archwires was investigated using 3-(4,5-dimethylthiazol-2-yl)-2,5-diphenyl tetrazolium bromide (MTT) test. In order to evaluate bacterial adhesion and biofilm formation, the following strains were used: *Streptococcus mutans* and *Streptococcus mitis*. **Results:** Physicochemical characterization revealed well-designed coatings with the presence of TiN phase with incorporated Cu. The release of Ni was the lowest regarding TiN-Cu-nanocoated archwires ( $p < 0.05$ ) and increased in acidic conditions, while the release of Ti was constant. Contrary, the release of Cu was higher in neutral conditions and decreased during the observation time ( $p < 0.05$ ). The cytotoxicity was the lowest in 28-day eluates of TiN-Cu-nanocoated archwires ( $p < 0.05$ ). The coating inhibited the adhesion and growth of bacteria such as *Streptococcus mitis* and *Streptococcus mutans* ( $p < 0.05$ ). **Conclusion:** Taking into account the results of cytotoxicity test and biofilm formation, TiN-Cu-nanocoated archwires may be considered as a good candidate for further clinical investigations.

**Keywords:** antibacterial activity, orthodontic archwires, *Streptococcus mutans*, nanocoatings



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