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CED/NOF IADR

ORAL HEALTH
RESEARCH
CONGRESS

PROGRAMME BOOK

21-
SEPT.
2023 23

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RODOS PALACE HOTEL, RHODES, GREECE



CED/NOF IADR



ORAL HEALTH
RESEARCH
CONGRESS

WELCOME MESSAGE



WELCOME TO THE 2023 CED/NOF-IADR ORAL HEALTH CONGRESS IN BEAUTIFUL RHODES!

We are thrilled to extend our warmest greetings to all participants, distinguished guests, and esteemed colleagues joining us for this remarkable event. For 2.5 days, Rhodes will be the vibrant hub of cutting-edge research, engaging discussions, and valuable networking opportunities in the field of oral health.

The programme book you hold in your hands is your compass to navigate through an extraordinary congress experience. Within its pages, you will find comprehensive information, including the detailed schedule, session descriptions, speaker biographies, and much more. We have strived to create a programme that encompasses a wide array of captivating topics, ensuring there is something for everyone, regardless of your area of expertise.

Our aim is to foster an environment that encourages knowledge exchange, collaboration, and innovation. Through engaging lectures, interactive workshops, and enlightening poster sessions, we hope to stimulate insightful conversations and inspire new ideas that will shape the future of oral health. This congress presents an invaluable opportunity to expand your professional network, establish fruitful collaborations, and forge lifelong friendships with like-minded individuals.

Beyond the scientific programme, Rhodes offers an enchanting backdrop for this memorable gathering. With its rich history, stunning architecture, and picturesque landscapes, this ancient island creates an inspiring atmosphere that will enhance your congress experience. We encourage you to explore the charms of Rhodes during your stay, immersing yourself in its cultural heritage and indulging in its culinary delights.

We extend our heartfelt gratitude to the organizers, sponsors, and all those who have contributed their time and efforts to make this congress a reality. Without your dedication, this event would not have been possible.

Finally, we would like to express our sincerest appreciation to each and every participant. Your presence and active participation are what make this congress truly special. We hope that you will seize this opportunity to engage, learn, and make lasting memories that will fuel your passion for oral health.

On behalf of the organising committee, we wish you a remarkable congress filled with enlightening discussions, fruitful collaborations, and unforgettable experiences. Welcome to the 2023 CED/NOF-IADR Oral Health Congress in Rhodes!

Warm regards,



William Papaioannou
Congress & CED-IADR President

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COMMITTEES



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Mohammed Ahmed

Morena Petrini

Naiera Zayed

Niccolò Giuseppe

Armogida

Nimet Ünlü

Nuria Escribano

Ovul Kumbuloglu

Panagiotis Koromantzos

Parisa Soltani

Pierre Lahoud

Raphael Pilo

Servet Dogan

Simon Pedano

Sotiria Gizani

Teodora Karteva

Vilma Brukiene

Vinay Pitchika

Vincenzo D'Anto

William Papaioannou

Xanthippi Dereka

Yago Leira

Yiorgos Bobetsis

WELCOME TO RHODES!

Welcome to Rhodes, the enchanting jewel of the Aegean Sea! Nestled in the southeastern part of Greece, this island paradise offers a captivating blend of history, natural beauty, and vibrant culture that will leave you in awe. As you step foot onto the shores of Rhodes, you'll be greeted by a symphony of scents, sights, and sounds that beckon you to explore its treasures.

With a history dating back thousands of years, Rhodes boasts an impressive legacy as a melting pot of civilizations. From the ancient Greeks to the Romans, Byzantines, Crusaders, and Ottomans, this island has witnessed the rise and fall of empires, leaving behind a tapestry of architectural marvels and cultural richness.

The star of Rhodes is its magnificent medieval Old Town, a UNESCO World Heritage site that transports you back in time. As you wander through its cobblestone streets, you'll encounter towering medieval walls, grandiose palaces, and imposing fortresses. Lose yourself in the labyrinthine alleys, discovering hidden courtyards, charming shops, and inviting tavernas serving delicious local cuisine.

Beyond the Old Town, Rhodes offers a diverse landscape that caters to all tastes. Explore the golden beaches that stretch for miles along the coastline, where crystal-clear waters invite you to swim, snorkel, or simply bask in the Mediterranean sun. Immerse yourself in nature's beauty by venturing into the lush valleys, pine-covered mountains, and fragrant citrus groves that adorn the island.

For history enthusiasts, Rhodes presents an array of archaeological sites and ancient ruins. Marvel at the impressive Acropolis of Rhodes, walk in the footsteps of ancient philosophers at the ruins of Kamiros, or visit the famous Valley of the Butterflies, a natural wonder where countless colorful butterflies gather during the summer months.

Rhodes is also a vibrant hub of modern life, with a bustling atmosphere that comes alive in its lively towns and villages. From the cosmopolitan ambiance of Rhodes Town to the charming simplicity of Lindos, each place offers its unique charm and distinct character. Indulge in the island's rich nightlife, savor the local delicacies in traditional tavernas, and immerse yourself in the warm hospitality of the locals.

Whether you're seeking a tranquil retreat, a cultural expedition, or an adventure-filled vacation, Rhodes has something for everyone. So, embark on this unforgettable journey and let the magic of Rhodes capture your heart and ignite your imagination. Get ready to create memories that will last a lifetime as you explore the wonders of this captivating island. Welcome to Rhodes!



HERE ARE 10 THINGS YOU CAN DO WHEN VISITING RHODES

1 EXPLORE THE OLD TOWN OF RHODES

Wander through the charming cobblestone streets of the UNESCO-listed Old Town, admire the medieval architecture, and visit the Grand Master's Palace.

2 VISIT THE ACROPOLIS OF LINDOS

Head to the ancient city of Lindos, climb up to the Acropolis, and enjoy stunning panoramic views of the Aegean Sea and the whitewashed village below.

4 EXPLORE THE VALLEY OF THE BUTTERFLIES

Take a trip to the Valley of the Butterflies, a scenic nature reserve where thousands of butterflies gather during the summer months. Enjoy a peaceful walk through lush greenery and waterfalls.

3 RELAX ON THE BEACHES

Rhodes boasts numerous beautiful beaches. Spend a day sunbathing, swimming, and enjoying water sports at popular spots like Faliraki Beach, Tsambika Beach, or Anthony Quinn Bay.

5 VISIT THE PALACE OF THE GRAND MASTER

Discover the fascinating history of Rhodes by exploring the Palace of the Grand Master in Rhodes Town. Marvel at the impressive architecture and explore the exhibits inside.

6 TAKE A BOAT TRIP

Embark on a boat trip to explore the island's stunning coastline. Cruise around the island, swim in crystal-clear waters, and visit nearby islands such as Symi or Halki.

8 DISCOVER ANCIENT KAMIROS

Visit the ancient city of Kamiros, one of the ancient cities of Rhodes. Explore the ruins of this well-preserved archaeological site, which offers insights into the daily life of ancient Greeks.

7 ENJOY WATER SPORTS

Engage in thrilling water sports activities such as jet skiing, parasailing, or windsurfing. Several beaches offer equipment rentals and lessons for beginners.

9 EXPLORE THE SEVEN SPRINGS

Venture to the Seven Springs (Epta Piges), a serene natural oasis located in the hills of Rhodes. Walk through the shaded tunnels and enjoy a refreshing drink at the spring's café.

10 INDULGE IN GREEK CUISINE

Rhodes offers a wide array of delicious Greek cuisine. Sample local specialties such as moussaka, souvlaki, and fresh seafood at traditional tavernas and restaurants.

TRANSPORT IN RHODES

**RHODES OFFERS A VARIETY OF TRANSPORTATION OPTIONS.
HERE IS A GUIDE TO THE TRANSPORT OPTIONS AVAILABLE IN RHODES:**



RHODES INTERNATIONAL AIRPORT (DIAGORAS)

If you're arriving by air, you'll land at Rhodes International Airport, which is situated about 14 kilometers southwest of Rhodes Town. The airport serves both domestic and international flights, connecting the island to major cities in Greece and various European destinations. From the airport, you can easily reach your destination by taxi, bus, or by renting a car.



TAXIS

Taxis are a popular mode of transportation in Rhodes, providing a convenient and comfortable way to travel around the island. You can find taxi stands in popular tourist areas, including the airport, the port, and major towns. Taxis are metered, and it's advisable to confirm the fare with the driver before starting your journey.

RADIO TAXI:

- **Rodos Radio Taxi:** www.rhodes-taxi.gr
Telephone Number in Rhodes Town: +302241069800
and out of Rhodes Town: +302241069600
- **Diagoras Radio Taxi:** www.diagorastaxi@gmail.com
tel: +302241065555
- **Rhodes Taxi & Limo Services:** www.rhodes-taxi.gr
tel: +302241068995

SURCHARGES FOR TAXI:

- Starting of Taximeters: 1,30 euro
- Waiting Fare: extra charge of 10 euro per hour and you have to make an agreement
- From the Port there is an extra charge of 1,08 euro and from and to the Airport there is an extra charge of 2,60 euro
- Baggage weighting over 10 kg costs 0,40 euro
- Double Fare is charged between 00.00-05.00 hrs (1,19 euro per km)
- For making an appointment it costs 6,15 euro

TAXI STATIONS AROUND THE ISLAND:

The central taxi station is located at Mantraki area in the center of the city. Other taxi stations in the city are located at Grand Hotel, Therme Park, Saint Francis Church, Kolona Port, in front of Analipsi Church, Saint Nicholas Square and Rodini Park.

- **Afandou:** 22410 51777
- **Faliraki:** 22410 85444
- **lalyssos:** 22410 92515
- **Ixia:** 22410 69600
- **Kremasti:** 22410 94528
- **Lardos:** 22440 44047
- **Lindos:** 22440 31466
- **Pefki:** 22440 48450
- **Kiotari:** 22410-69600
- **Vlicha:** 22410-69600



BUSES

Rhodes has an extensive public bus network operated by KTEL Rhodes. Buses are an economical option for traveling between different towns and villages on the island. Rhodes Town serves as the central hub, with regular routes connecting it to other popular destinations such as Lindos, Faliraki, and Ialysos. Bus schedules are reliable, and you can find information about routes and timetables at bus stations or online.



RENTAL CARS AND SCOOTERS

If you prefer more flexibility and independence, renting a car or a scooter is an excellent option for exploring Rhodes. Several rental companies operate on the island, and you can find them at the airport, in major towns, and popular tourist areas. Having your own vehicle allows you to visit remote beaches, picturesque villages, and archaeological sites at your own pace. Remember to have a valid driver's license and familiarize yourself with local driving regulations.



FERRIES AND BOATS

Rhodes is well-connected to other Greek islands and the mainland via ferry services. The main port of Rhodes Town serves as the gateway for ferry routes to destinations such as Athens, Crete, Kos, and Santorini. Additionally, boat tours and excursions are available for exploring the surrounding islands and enjoying the crystal-clear waters of the Aegean Sea.



CYCLING AND WALKING

Rhodes offers scenic landscapes, and cycling or walking can be an enjoyable way to explore the island. There are designated cycling paths and pedestrian-friendly areas in towns like Rhodes and Faliraki. You can rent bicycles from various rental shops, particularly in tourist areas.



IMPORTANT NOTE

It's important to note that Rhodes can get quite busy during peak tourist season, so it's advisable to plan your journeys accordingly, especially if you're relying on public transportation. Also, parking can be limited in popular areas, so it's recommended to check for available parking spaces or use designated parking lots.

Whether you choose to travel by taxi, bus, rental vehicle, or explore on foot, Rhodes offers a range of transport options to suit every preference and budget. With its diverse landscapes and attractions, getting around the island is a delightful experience that adds to the overall charm of your visit.

IN CASE OF AN EMERGENCY



IN CASE OF AN EMERGENCY IN RHODES, GREECE, HERE ARE SOME IMPORTANT TELEPHONE NUMBERS YOU SHOULD KEEP HANDY:



GENERAL EMERGENCY HOTLINE: 112

The emergency hotline number in Greece is **112**. It is a general emergency number that can be dialed for any kind of emergency situation, including medical emergencies, accidents, fires, and police assistance.



POLICE: 100

For reporting crimes, seeking police assistance, or any law enforcement-related matters, dial **100** to reach the local police authorities in Rhodes.



AMBULANCE/EMERGENCY MEDICAL SERVICES: 166

If you require urgent medical assistance or an ambulance, dial **166** to contact the emergency medical services in Rhodes. They will dispatch an ambulance to your location.



FIRE DEPARTMENT: 199

In the event of a fire or any other fire-related emergency, dial **199** to reach the fire department in Rhodes. They will respond to fire incidents and provide necessary assistance.



TOURIST POLICE: 171

If you are a tourist in Rhodes and need assistance or have concerns related to tourism, you can contact the Tourist Police by dialing **171**. They are specialized in dealing with tourist-related matters.



COAST GUARD: 108

For maritime emergencies, boating accidents, or any incidents occurring at sea, you can contact the Greek Coast Guard by dialing **108**. They are responsible for coastal and maritime safety.



POISON CONTROL CENTRE (+30) 2107793777



HEALTH CENTERS ON RHODES

- **Hospital of Rhodes:** (+30) 22410 80100 – 80000
- **Private Hospital–Euromedica:** (+30) 22410 45000
- **Hospitals, Pharmacies, Doctors:** 14944
- **Medical Center Krito:** (+30) 22410 30020

PRACTICAL INFORMATION

OPENING HOURS SHOPS IN RHODES

Shops work long hours in the summer. In the main towns and resorts they work more regular hours and are open from **9 am to 1.30 p.m.**, then it's home for a siesta and open again about **5.00 p.m. till 9.00 p.m.** (some even till 11.30 p.m.)

SOME TOURIST INFORMATION







Discover Rhodes and its highlights with family and friends.





More information can be found on the official page of Rhodian Tourism.

Scan the QR Code for more information.



INFORMATION OFFICES IN RHODES

-  New Market, Averof 3 85131 Rhodes
-  2241035945- 2241035240
-  Monday to Friday 07:00 – 15:00
-  tourism@rhodes.gr – touristinfo@rhodes.gr

-
-  Medieval City, Great Alexander Square & Street of The Knights, 85131 Rhodes
 -  2241074313
 -  Monday to Friday 07:00 – 15:00
 -  tourism@rhodes.gr – touristinfo@rhodes.gr

-
-  Tourist Port, Tourist Port of Rhodes, 85100 Rhodes
 -  2241075316
 -  Monday to Friday 07:00 – 15:00
 -  tourism@rhodes.gr – touristinfo@rhodes.gr

GENERAL CONGRESS INFORMATION



REGISTRATION

The congress registration area will be located at the entrance hall of the Rodos Palace Convention Centre. The registration desk will be open during the following hours:

Wednesday, September 20, 2023	14:00 – 19:00
Thursday, September 21, 2022	07:30 – 19:00
Friday, September 22, 2022	07:30 – 19:00
Saturday, September 23, 2022	07:30 – 14:00



SPEAKER READY ROOM (PREVIEW CENTRE)

The speaker ready room will be situated on the ground floor, across the Nefeli Room and next to the Poster Area and will be open during the following hours:

Wednesday, September 20, 2023	16:00 – 20:00
Thursday, September 21, 2022	07:30 – 17:30
Friday, September 22, 2022	07:30 – 17:30
Saturday, September 23, 2022	08:00 – 12:00



IMPORTANT NOTE

All oral presentations will be uploaded onto a server and assigned to the appropriate oral session room at the appropriate time via a LAN connection. Therefore, there is no need for presenters to bring their own laptops.

Do not plan to download your presentation directly in your assigned meeting room.

All oral presenters must upload their presentation at the Preview Centre at least 2 hours before the start of the session to which their presentation was allocated. For speakers allocated to the first session of the day, we recommend to upload their presentation the day before (if possible).

If you are giving more than one presentation during the congress, you may upload all your presentations at the same time. They will be assigned to their corresponding session halls at the time of your sessions.

To avoid waiting in the Preview Centre, you may wish to avoid peak times.

Technical staff will be onsite in the Preview Centre to assist you in uploading your presentation.
















GENERAL CONGRESS INFORMATION

POSTER PRESENTATIONS

All poster walls will be used VERTICALLY.

Dimensions of the poster panels are 954 mm x 2288 mm (W x H). The maximum poster size should be 85 x 120 cm (W x H). Posters can only be attached to the boards with stickers provided by the organizers. It is not allowed to use your own tape.

Poster presentation timings are:

HANG-UP POSTER	POSTER VIEWING TIME	REMOVE POSTER
 Thursday, September 21  08:00 – 08:30	 Thursday, September 21  08:30 – 17:30 'Presenter at Poster' from 12:00 – 13:00	 Thursday, September 21  17:30 – 18:00
 Friday, September 22  08:00 – 08:30	 Friday, September 22  08:30 – 17:30 'Presenter at Poster' from 12:00 – 13:00	 Friday, September 22  17:30 – 18:00
 Saturday, September 23  08:00 – 08:30	 Saturday, September 23  08:30 – 12:30 'Presenter at Poster' from 11:30 – 12:30	 Saturday, September 23  12:30 – 13:00

EXHIBITION

The exhibition, located at the ground floor of the Rodos Palace Pharo Palace, will be open during the following timings:

Thursday, September 21, 2022 08:30 – 18:00

Friday, September 22, 2022 08:30 – 18:00

Saturday, September 23, 2022 08:00 – 13:00

LISTING OF PRESENTERS AND AUTHORS

The programme lists the primary presenter's name, co-author's name(s) and their institutions. Abstract numbers of presenters are listed in the Author/ Co-author Index. In case of multiple authorship, the speaker is identified in the abstract by an asterisk (*) following his or her name. Abstracts are printed exactly as submitted by the authors without subsequent editing possible. Authors are not allowed to reference their abstract if the presentation was withdrawn or cancelled.

BADGES

Each participant receives a name badge upon check-in at registration. As only registered participants will be permitted to attend the scientific sessions and poster areas, you are kindly requested to wear your badge at all times. Should you lose your badge, you can request a new one at the registration desk, subject to proof of the original registration and a fee of 60 €.

WIFI INFORMATION

WIFI access is available in all congress areas. You will find the log-in details on your badge.

MOBILE PHONE POLICY

Please respect the congress policy and keep mobile phones on silent in all session rooms.

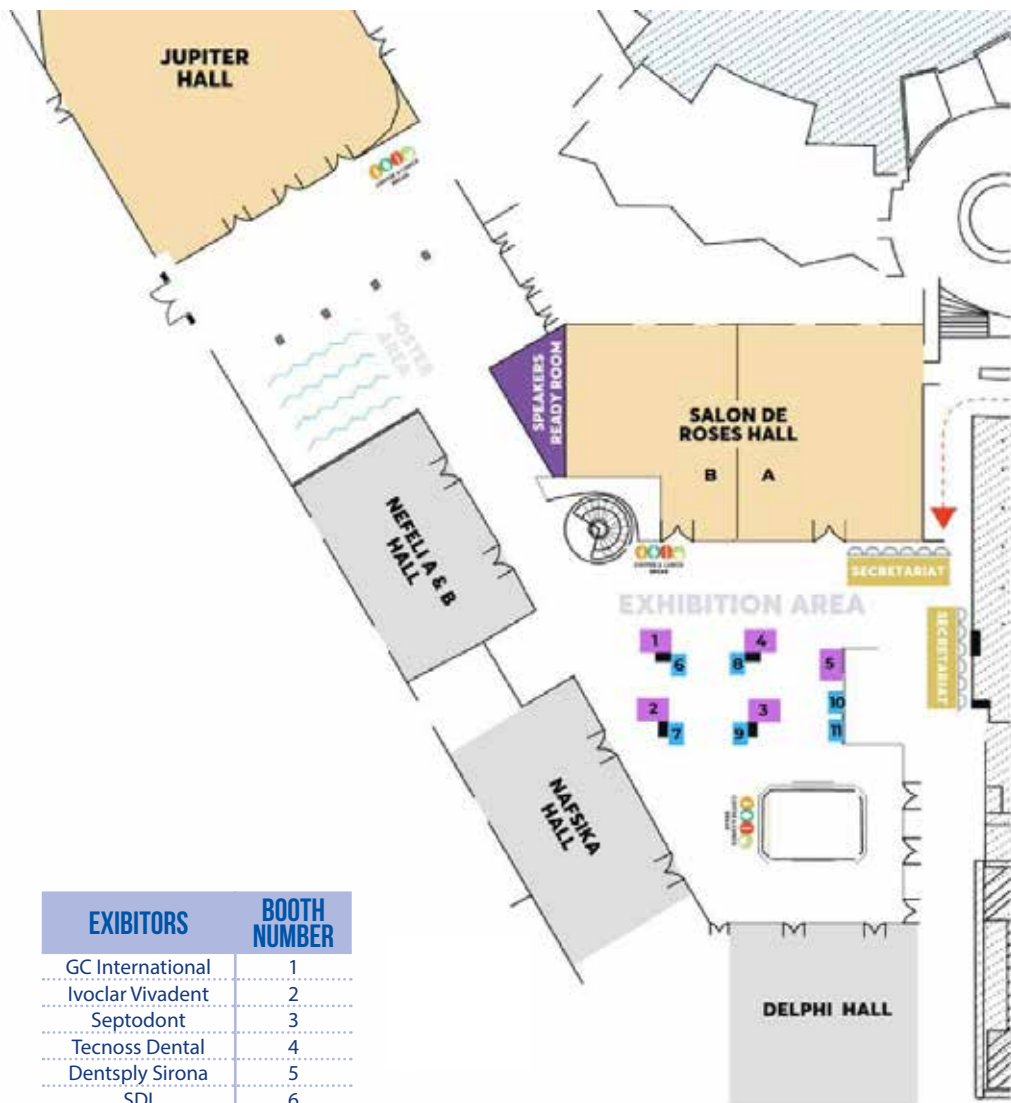


ABSTRACTS

Presenters' abstracts and posters are available for download on the congress website: <https://ced-iadr2023.com/>

Scan the QR Code for more information.

FLOOR PLAN



EXIBITORS	BOOTH NUMBER
GC International	1
Ivoclar Vivadent	2
Septodont	3
Tecnoss Dental	4
Dentsply Sirona	5
SDI	6
Harvard Dental International	8
MEDITERRA SA	9
Zircon Medica/ Patent	10
Kuraray Noritake	11

SOCIAL EVENTS

WELCOMING CEREMONY & RECEPTION



Palace of the Grand Master of the Knights of Rhodes, Rhodes city Centre



Thursday, September 21, 2023



19:00 – 21:00

This year's Welcoming Ceremony promises to be a truly unforgettable experience, set against the backdrop of the Palace of the Grand Master of the Knights of Rhodes, affectionately known as the Castello.

Nestled in the heart of Rhodes, Greece, the Castello is a remarkable medieval castle that stands as a testament to Gothic architecture in the country. Once a citadel of the Knights Hospitaller, this awe-inspiring structure served as a palace, headquarters, and fortress. Its storied past lends an air of grandeur and historical significance to our ceremony.

The Welcoming Ceremony is a momentous occasion that signifies the official start of the congress. The highlight of the evening will be the announcement of the esteemed CED-IADR Award Winners, including the prestigious Robert Frank Awards and Travel Stipends Awards, recognizing exceptional contributions in the field of oral health. Additionally, we will celebrate the exceptional achievements of the NOF Award Winners.

Following the official proceedings, you will have the opportunity to mingle with your fellow colleagues and peers in this breathtaking ambiance. Savor the company of like-minded professionals as you enjoy a delightful assortment of drinks and snacks. This enchanting evening at the Castello offers the perfect setting to forge new connections, share knowledge, and engage in stimulating conversations.

We are pleased to inform you that participation in the Welcoming Ceremony is free of charge for all congress participants. However, advanced registration during the registration was mandatory to secure your spot. After the Welcoming Ceremony you can visit the old city of Rhodes. You can return to your hotel at your own convenience. Return busses are not foreseen.

Busses will leave at 18:30 from the Rodos Palace Hotel.



CONGRESS GET-TOGETHER



Kallithea Springs



Friday, September 22, 2023



Starts at 19:30

The unique premises of Kallithea Springs will set the stage for our congress' exclusive get-together party, providing a picturesque backdrop that will leave you mesmerized. As you step into this oasis of tranquility, you'll find yourself immersed in an environment that seamlessly weaves together the wonders of nature and human ingenuity.

This event will present you with a fantastic opportunity to network and chill with your peers while savoring a sumptuous seated dinner that will delight your taste buds. Once dinner is complete, the festivities will continue with an energetic party, where you can dance the night away and make connections that will endure far beyond this enchanting evening.

To secure your place at the Congress Get-together, advanced registration was necessary.

Busses will leave at 19:00 from the Rodos Palace Hotel.

Transfers back to the Rodos Palace Hotel will be foreseen between 23:00 till 0:00, leaving from the drop-off location.



Dental scientist? Look here

A membership with NOF will give you many benefits.

What's in it for you?



Introduce yourself to the dental scientific community. Build a strong network with other scientists, colleagues, and peers. Present your work and results to a wider audience.



Get financial support and discounted fees to attend annual IADR and NOF congresses.



Get 50% NOF support to publish your manuscript in European Journal of Oral Sciences as open-access



Have chance to win grants, fellowships, and prestigious awards both from the IADR and from the NOF.



Have access to Journal of Dental Research (online) and European Journal of Oral Sciences (online).



Become a member

Please fill in the form at the IADR webpage by scanning the QR-code.

First you need to be an IADR member. Select "Scandinavian Division" (NOF) as your primary division.



Membership fees

IADR student member: 55 USD
IADR active member: 185 USD

NOF student member: 15 USD
NOF active member: 70 USD

Join CED-IADR !

CED-IADR's mission is to promote high-quality Oral Health Research in Continental Europe by

**Advancing research & increasing knowledge to improve oral health
Supporting & representing the oral health research community
Facilitating the communication & application of research findings**

When you become a CED-IADR member, you can enjoy the following benefits

- We offer a platform to present your own research in an oral or poster presentation format
- There are various possibilities to network with peers
- You can compete in the IADR Unilever Hatton Divisional Award, thus being invited at the IADR-at-large meeting
- You will have free access to JDR (Journal of Dental Research)
- Reduced congress registration fee for members
- State-of-the-art symposia on diverse subjects related to oral health
- Online publication of abstracts

For the Young CED-IADR members, there are various possibilities to benefit from

- Yearly free CED-IADR Summer School of 1 week
- CED-IADR Junior & Senior Robert Frank awards
- CED-IADR Visiting Scholar Grants to conduct research abroad in an European Research Centre
- Yearly Congress Travel Awards
- Low congress registration fee for students

Follow us on:



<https://www.ced-iadr.eu/>

**You can become a CED-IADR member
at any time of the year**

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BRONZE SPONSORS



SPONSOR



SYMPOSIA

 THURSDAY, SEPTEMBER 21, 2023

 10:30 - 12:30  DELPHI

Causal Links between Oral Infections and Non-communicable Diseases over the Lifespan? SuuRIN Consortium

Sponsored by



 13:30 - 15:30  DELPHI

Potential of Carbonate Apatite as Dental Bone Graft Substitutes.

Sponsored by



 13:30 - 15:30  SALON DES ROSES A

BioEXPerience in Restorative Dentistry.

Sponsored by



 16:00 - 18:00  DELPHI

Evidence-based Adhesive Bonding and Luting Protocols.

Sponsored by



 16:00 - 18:00  SALON DES ROSES A

Periodontitis and Periodontal Therapy: Impact Beyond the Mouth.

Sponsored by



 FRIDAY, SEPTEMBER 22, 2023

 10:30 - 12:30  DELPHI

The Evolution of Chairside Zirconia – A Direct Path to the Indirect.

Sponsored by



 10:30 - 12:30  SALON DES ROSES A

Bio-logic Approach to Bone Regeneration: Scientific Evidence of Collagenated Biomaterials.

Sponsored by





SYMPOSIA

 13:30 - 15:30  SALON DES ROSES A
**Demarcated Opacities of the Enamel –
Current Scientific Knowledge and Clinical Strategies.**

Sponsored by


 13:30 - 15:30  DELPHI
Periodontitis - a Disruptor for Both a Sound Mind and Healthy Body.

Sponsored by


 16:00 - 18:00  DELPHI
**Bridging the Gap between Clinical Implant Dentistry
and Tissue Engineering.**

Sponsored by
Nordisk Odontologisk Forening

SCANDINAVIAN DENTISTRY
IADR

 16:00 - 18:00  SALON DES ROSES A
**Preventive and Minimal Invasive Strategies
for the Management of Caries in Children.**

Sponsored by
 | YOUR. OUR. SMILE. VISION.

 SATURDAY, SEPTEMBER 23, 2023

 10:30 - 12:30  DELPHI
**Dental Materials: New Directions in Biological
and Mechanical Evaluation.**

Sponsored by


KEYNOTE LECTURE

 THURSDAY, SEPTEMBER 21, 2023

 10:30 - 11:30  SALON DES ROSES A
**Early Healing around a Tissue Level Zirconia Implant -
a Histological Investigation in the Miniature Pig Mandible.**

Sponsored by


YOUNG CED-IADR EVENTS WORKSHOPS AND SEMINARS



SPONSORED BY  KULZER
WITKO CHEMICALS GROUP

 THURSDAY, SEPTEMBER 21, 2023

 08:30 - 10:00  NAFSIKA

Workshop Young CED-IADR


Artificial Intelligence Applications for Oral Health: a hype or a hope? (Registration mandatory)

 FRIDAY, SEPTEMBER 22, 2023

 08:30 - 10:00  NAFSIKA

Workshop Young CED-IADR

Diversifying Your Skill Set as an Early Career Researcher (Registration mandatory)

 10:30 - 12:30  NAFSIKA

Seminar Young CED-IADR

Digital Personal Branding & Academia

 SATURDAY, SEPTEMBER 23, 2023

 08:30 - 10:00  NAFSIKA

Workshop Young CED-IADR

Oral Presentations: Managing Your Anxiety and Improving Your Eloquence to Give the Best (Registration mandatory)



YOUNG CED-IADR EVENTS

MEET-THE-MENTOR SESSIONS



SPONSORED BY



THURSDAY, SEPTEMBER 21, 2023



12:30 - 13:30



NAFSIKA

Meet the Mentor (Registration mandatory)

Dental Materials

Prof. Dr. Bart Van Meerbeek (KU Leuven, Leuven, Belgium)

Periodontology

Prof. Dr. Phoebus N Madianos (National and Kapodistrian University of Athens, Athens, Greece)

Endodontology

Prof. Dr. Kerstin Galler (Universitätsklinikum Erlangen, Erlangen, Germany)

Dental Materials

Prof. Dr. Sebnem Türkün (Ege University, Izmir, Turkey)

Periodontology

Prof. Dr. Anton Sculean (University of Bern, School of Dental Medicine, Department of Periodontology, Switzerland)



FRIDAY, SEPTEMBER 22, 2023



12:30 - 13:30



NAFSIKA

Meet the Mentor (Registration mandatory)

Dental Materials

Prof. Dr. Georges Eliades (National and Kapodistrian University of Athens, Athens, Greece)

Oral Health/ Epidemiology

Prof. Dr. med. dent. Guglielmo Campus (University of Bern, Bern, Switzerland)

Dental Materials

Prof. Nick Silikas (The University of Manchester, Manchester, UK)

Maxillofacial Surgery

Dr. Ieva Gendviliene (Vilnius University, Vilnius, Lithuania)

Calling All Young CED-IADR Researchers! Unlock Your Potential with Grants and Awards!

Are you a young and enthusiastic researcher in the field of Oral Health?

Do you aspire to take your research to the next level and make a significant impact?

Look no further! The CED-IADR is thrilled to invite you to participate in our Grants and Award Competition, spanning across various exciting categories.

Don't miss this incredible opportunity to showcase your hard work and dedication on a grand platform.

Join us in shaping the future of oral health research today!



Robert Frank Competition Junior

For undergraduate students and first university degree pursuers



Robert Frank Competition Senior

Basic Science Research
For post-dental/medical, post-graduate, and PhD students, and for early post-docs (up to 3 years)
- Laboratory or animal research



Robert Frank Competition Senior

Clinical Research
For post-dental/medical, post-graduate, and PhD students, and for early post-docs (up to 3 years)
- Human subjects or epidemiology research



CED-IADR 'My First Research' Poster Award

Showcase your first research efforts



Travel Grant

Financial support to travel and present your research at the Oral Health Congress

🔊 Don't miss your chance to shine among the brightest in the dental research community!

Visit our official website for detailed application guidelines and submission deadlines.

Mark your calendars: The upcoming chance to join the competition awaits you at the 2024 CED/NOF-IADR Congress in Geneva. Visit ced-iadr2024.com for details!

🌐 Learn more at CED-IADR Official Website



CED-IADR AWARD COMPETITION

 **Poster Hall**



From Thursday to Saturday, September 21 to 23, 2023



As an organization dedicated to promoting high-quality oral health research in Continental Europe, CED-IADR is committed to providing a platform for recognition and funding opportunities for our young members.

The CED-IADR Awards & Grants Competition will take place on September 20, 2023.

This year, we are introducing a new element to the competition. In addition to the traditional evaluation process, we have asked all candidates to showcase their research on a poster. This change allows the public to have a glimpse into the studies being conducted by our talented researchers. It also fosters knowledge sharing and encourages collaboration among participants.

MY FIRST POSTER RESEARCH COMPETITION

0275 The Effect of Current Finishing and Polishing Systems on the Surface Roughness of Different Resin Composites.

A. Terzi*, T. Sarikaya, C. Atalay, S. Gürgan

(Department Of Restorative Dentistry, Hacettepe University, Ankara, Turkey)

0425 Assessment of Enamel Remineralisation after Treatment with Different Varnishes: a SEM-Study.

A. Parlakyildiz Gökçe*, E. Kelesoglu, K. Sagir, B. Kargul

(Marmara University, Istanbul, Turkey)

0085 Effect of Vital Pulp Therapy Antiseptic Agents on Dentin Bonding.

D. Jiménez-Díez*, E. Baena, V. Ortiz, V. Carreño, V. Fuentes, L. Ceballos

(IDIBO Research Group, Faculty of Health Sciences, Rey Juan Carlos University, Alcorcón, Madrid, Spain)

0097 Can Energy Drinks Affect the Appearance of Bioactive Restorative Materials?

I. Giray*, H. D. Kose, H. Boyacioglu, L. S. Türkün

(Department of Restorative Dentistry, Ege University School of Dentistry, Izmir, Turkey)

0445 Properties of Glass-Ionomer Cements Reinforced with Calcium-Modified Clay Nanoparticles.

I. Tsolianos*, A. Nikolaidis, E. Koulaouzidou

(School of Dentistry, Aristotle University of Thessaloniki, Thessaloniki, Greece)

0186 Traumatic Dental Injuries of Children/Adolescents in Croatia: 8-Year Retrospective Study.

L. Vranic*, B. Špiljak, L. Bergman, D. Negovetić Vranić

(School of Dental Medicine Zagreb, Zagreb, Croatia)

ROBERT FRANK AWARD COMPETITION – JUNIOR CATEGORY

- 0018** Intra-Oral Scanner, the Promise of an Accurate Guide Fitting.
P. Binvignat*, **E. Bittar**, **C. Villat**, **J.-C. Maurin**, **M. Ducret**, **R. Richert**
 (Université Claude Bernard Lyon 1, Lyon, France)
-
- 0354** Evaluation of Surface Micro-Hardness of Chlorhexidine Diacetate Added Glass-Ionomer Cement.
D. Dervis*, **C. Canevi**, **L. S. Türkün**, **M. Türkün**
 (Ege University School of Dentistry, Izmir, Turkey)

ROBERT FRANK AWARD COMPETITION – SENIOR CATEGORY – BASIC RESEARCH

- 0094** Hard-Tissue Cell Response to Zirconia Implant Surfaces Coated with MTA.
B. Fernandes*, **J. Marques**, **M. Da Cruz**, **G. Garret**, **Ó. Carvalho**, **J. Caramês**, **A. Mata**
 (Oral Biology and Biochemistry Research Group (GIBBO), Unidade de Investigação em Ciências Orais e Biomédicas (UICOB), Faculdade de Medicina Dentária, Universidade de Lisboa, Lisbon, Portugal)
-
- 0020** Periodontal Ligament Transplantation with Gold Nanoparticles Prevents Orthodontic Root Resorption.
C. Zong*, **A. Bronckaers**, **Z. Zhao**, **G. Willems**, **M. Cadenas De Llano Pérula**
 (Orthodontics, Department of Oral Health Sciences, KU Leuven, Leuven, Belgium)
-
- 0189** Adhesive-Resin Layer Thickness Influences Bond Strength to High C-Factor Dentin.
C. Tang*, **B. Mercelis**, **R. Ramos**, **K. Yoshihara**, **M. Peumans**, **B. Van Meerbeek**
 (BIOMAT, Department of Oral Health Science, KU Leuven (University of Leuven), Leuven, Belgium)
-
- 0034** Does Speed Sintering of High Translucency Zirconia Impact Its Color?
T. Roman*, **V. Hampé-Kautz**, **A. Greffet**, **B. Cournault**, **O. Etienne**
 (Prosthodontics, Université de Strasbourg, Faculté de Chirurgie Dentaire Robert Frank, Strasbourg, France)
-
- 0442** Effects of Proanthocyanidin-Functionalized Hydroxyapatite Nanoparticles on Dentin Bonding.
T. Essvein*, **S. Lopez**, **A. Navarro**, **C. Cifuentes**, **C. Mazzitelli**, **T. Maravic**, **L. Breschi**
 (University of Granada, Granada, Spain)
-
- 0021** Transcriptomic Profiling of Periodontal Ligament Tissue Subjected to Orthodontic Force.
Z. Zhao*, **C. Zong**, **C. Attanasio**, **M. S. Pedano De Piero**, **M. Cadenas De Llano Pérula**
 (Department of Oral Health Sciences-Orthodontics, KU Leuven, Leuven, Vlaams Brabant, Belgium)
-
- 0014** Comparison of Caries Removal Techniques and Dental-Scanners for Quantitative Volume-Loss.
Ö. Kanar*, **B. Korkut**, **D. Tağtekin**
 (Department of Restorative Dentistry, Marmara University, Istanbul, Turkey)

CED-IADR AWARD COMPETITION



Poster Hall



From Thursday to Saturday, September 21 to 23, 2023

ROBERT FRANK AWARD COMPETITION – SENIOR CATEGORY – CLINICAL RESEARCH

0202 Advancing Tooth Autotransplantation: In-Silico Modelling and Finite Element Analysis Insights.

P. Lahoud*, **H. Faghihian**, **R. Jacobs**, **M. Ducret**, **R. Richert**, **M. Ezeldeen**

(Division of Periodontology and Oral Microbiology, Department of Oral Health Sciences, KU Leuven, Leuven, Belgium)

0151 Head and Neck Pain Drawings: Diagnostic Value for Temporomandibular Disorders.

C. Herpel*, **F. S. Schwindling**, **P. Rammelsberg**, **J. Tesarz**

(Department of Prosthodontics, Heidelberg University Hospital, Heidelberg, Germany)

0420 Are Atherosclerosis and Periodontal/Peri-Implant Inflammation Correlated? A Prospective Cohort Study.

P. Papi*, **B. Di Murro**, **L. Marini**, **C. Letizia**, **A. Polimeni**, **A. Pilloni**

(Oral and Maxillo-Facial Sciences, Sapienza University of Rome, Rome, Italy)

0384 Predictive Model of Skeletal-Class-III-Malocclusion Sub-Phenotype in Southern European Population.

A. Dehesa-Santos*, **L. De Frutos-Valle**, **L. Carreño-Gomez**, **E. Navarro-Fraile**, **A. Iglesias-Linares**

(Complutense University of Madrid, Madrid, Spain)

0156 Comparison of 3D Bone Characteristics of MRONJ Using 2D&3D Images.

E. Aslan*, **E. Onem**, **A. Mert**, **G. Baksi**

(Ege University School of Dentistry, Izmir, Turkey)

0419 Oral Microbiota of Mother-Child Pairs: Impact of Maternal Cardiometabolic Health.


M. Maia Azevedo*, **A. F. Ferreira**, **I. Pires**, **C. Ramalho**, **M. Buijs**, **B. Sampaio-Maia**, **E. Zaura**, **B. Brandt**

(Department of Preventive Dentistry, Academic Center for Dentistry Amsterdam, University of Amsterdam and Vrije Universiteit Amsterdam, Amsterdam, Netherlands)




PROGRAMME AT A GLANCE

DAY 1  THURSDAY, SEPTEMBER 21, 2023

	DELPHI	SALON DES ROSES A	SALON DES ROSES B	NEFELI	NAFSIKA	POSTER HALL
08:00–08:30						Poster hang-up
08:30–09:00	#1 ORAL SESSION Dental Materials – Adhesion	#2 ORAL SESSION Periodontal Regeneration	#3 ORAL SESSION Digital Dentistry – Scanners	#4 ORAL SESSION Orthodontic Research	#5 YOUNG CED-IADR WORKSHOP – Artificial Intelligence applications for oral health: a hype or a hope?	
09:00–09:30						
09:30–10:00						
10:00–10:30						
	COFFEE BREAK AT EXHIBITION					
10:30–11:00	#7 NOF Causal links between oral infections and non-communicable diseases over the lifespan? SuuRIN consortium	#8 PATENT Early healing around a tissue level zirconia implant – a histological investigation in the miniature pig mandible	#9 ORAL SESSION Dental Materials – Ceramics	#10 ORAL SESSION Pulp Biology & Regeneration	#11 ORAL SESSION Oral Health Research	Free poster viewing
11:00–11:30						
11:30–12:00						
12:00–12:30						#12 12:00–13:00 POSTER SESSION (PRESENTER PRESENT)
12:30–13:00	NOF-IADR General Assembly	LUNCH BREAK			Meet the Mentor	
13:00–13:30						
13:30–14:00	#16 GC INTERNATIONAL AG Potential of Carbonate Apatite as Dental Bone Graft Substitutes	#17 SEPTODONT BioXPerience in Restorative Dentistry	#18 ORAL SESSION Periodontal Research	#19 ORAL SESSION Oral Medicine - Salivary Glands Pathology	#20 ORAL SESSION TMD & Orofacial Pain	
14:00–14:30						
14:30–15:00						
15:00–15:30						
15:30–16:00						Free poster viewing
	COFFEE BREAK AT EXHIBITION					
16:00–16:30	#22 KURARAY Evidence-based adhesive bonding and luting protocols	#23 YOUNG CED SYMPOSIUM COLGATE Periodontitis and Periodontal Therapy: Impact beyond the Mouth	#24 ORAL SESSION Dental Materials – Implants Research	#25 ORAL SESSION Cariology Research	#26 ORAL SESSION Behavioural, Epidemiology and Health Services Research	
16:30–17:00						
17:00–17:30						
17:30–18:00						
18:00–18:30						Poster removal
18:30–19:30						
19:00–22:00	WELCOMING CEREMONY FOLLOWED BY A RECEPTION					

PROGRAMME AT A GLANCE

DAY 2  FRIDAY, SEPTEMBER 22, 2023

	DELPHI	SALON DES ROSES A	SALON DES ROSES B	NEFELI	NAFSIKA	POSTER HALL
08:00–08:30						Poster hang-up
08:30–09:00	#28 ORAL SESSION Dental Materials – Adhesion	#29 ORAL SESSION Periodontology – Oral Biofilms & Microbiome	#30 ORAL SESSION Digital dentistry – AI/Deep Learning	#31 ORAL SESSION Oral Maxillofacial Surgery	#32 YOUNG CED-IADR WORKSHOP Diversifying your skill set as an Early Career Researcher	
09:00–09:30						
09:30–10:00						
10:00–10:30						<i>COFFEE BREAK AT EXHIBITION</i>
10:30–11:00	#37 IVOCLAR The evolution of chairside zirconia – a direct path to the indirect	#38 TECNOSS – BIO-LOGIC Approach to Bone Regeneration: Scientific Evidence of Collagenated Biomaterials	#34 ORAL SESSION Tooth Wear Research	#35 ORAL SESSION Pulp Biology & Imaging	#36 YOUNG CED-IADR SEMINAR Digital Personal Branding & Academia	Free poster viewing
11:00–11:30						
11:30–12:00						
12:00–12:30						#39 12:00–13:00 POSTER SESSION (PRESENTER PRESENT)
12:30–13:00	CED-IADR General Assembly		<i>LUNCH BREAK</i>			Meet the Mentor
13:00–13:30						
13:30–14:00	#47 ORAL-B Periodontitis – a disruptor for both a sound mind and healthy body	#46 DMG Demarcated Opacities of the Enamel – Current Scientific Knowledge and Clinical Strategies	#43 ORAL SESSION Dental Materials – Biocompatibility	#44 ORAL SESSION Geriatric Oral Research	#45 ORAL SESSION Diagnostic Science	
14:00–14:30						
14:30–15:00						
15:00–15:30						
15:30–16:00	<i>COFFEE BREAK AT EXHIBITION</i>					Free poster viewing
16:00–16:30	#49 NOF Bridging the gap between clinical implant dentistry and tissue engineering	#50 SDI Preventive and Minimal Invasive Strategies for the Management of Caries in Children	#51 ORAL SESSION Dental Materials – Biocompatibility	#52 ORAL SESSION Fiber Reinforced Restorative Materials		
16:30–17:00						
17:00–17:30						
17:30–18:00						
18:00–19:30						Poster removal
19:30–24:00	CONGRESS GET-TOGETHER					

PROGRAMME AT A GLANCE

DAY 3



SATURDAY, SEPTEMBER 23, 2023



DELPHI

SALON DES ROSES A

SALON DES ROSES B

NEFELI

NAFSIKA

POSTER HALL

	DELPHI	SALON DES ROSES A	SALON DES ROSES B	NEFELI	NAFSIKA	POSTER HALL
08:00–08:30						Poster hang-up
08:30–09:00	#54 ORAL SESSION Dental Materials	#55 ORAL SESSION Periodontal Research – Oral Microbiology & Immunology	#56 ORAL SESSION Digital Dentistry – Deep & Machine Learning	#57 ORAL SESSION Orthodontic Research – Epidemiology	#58 YOUNG CED-IADR WORKSHOP Oral presentations: managing your anxiety and improving your eloquence to give the best	
09:00–09:30						
09:30–10:00						
10:00–10:30						
10:30–10:30	<i>COFFEE BREAK AT EXHIBITION</i>					Free poster viewing
10:30–11:00	#60 CED-IADR New directions in Biological and Mechanical Evaluation	#61 ORAL SESSION Dental Material – Mechanical Properties	#62 ORAL SESSION Dental Material-Biocompatibility	#63 ORAL SESSION Oral Medicine – Salivary Glands	#64 ORAL SESSION Oral Microbiology & Immunology Research'	
11:00–11:30						
11:30–12:00						
12:00–12:30						#65 11:30–12:30 POSTER SESSION (PRESENTER PRESENT)
12:30–13:00						Poster removal



CHRONOLOGICAL LISTING OF SESSIONS AND EVENTS

 WEDNESDAY, SEPTEMBER 20, 2023

 09:00 - 14:00  MEETING ROOM GAMMA

NOF-IADR Board meeting

NOF-IADR Board meeting (by invitation only)

 10:00 - 16:00  MEETING ROOM BETA

CED-IADR Board meeting

NOF-IADR Board meeting (by invitation only)

 15:00 - 18:00

Award Competitions

 15:00  MEETING ROOM GAMMA

NOF Hatton Award Competition (by invitation only)

 16:00  MEETING ROOM SYNDICATE 1

CED-IADR Robert Frank Competition-Category Junior (by invitation only)

 16:00  MEETING ROOM SYNDICATE 2

CED-IADR Robert Frank Competition-Category SENIOR/Basic Science Research (by invitation only)

 16:00  MEETING ROOM SYNDICATE 3

CED-IADR Robert Frank Competition-Category SENIOR/Clinical Research (by invitation only)

 THURSDAY, SEPTEMBER 21, 2023

 08:30 - 10:00

Oral Session

 DELPHI – [0001-0006]

Oral Session - Dental Materials - Adhesion

 SALON DES ROSES A – [0007-0012]

Oral Session - Periodontal Regeneration

CHRONOLOGICAL LISTING OF SESSIONS AND EVENTS

 SALON DES ROSES B – [0013-0018]

Oral Session - Digital Dentistry - Scanners

 NEFELI – [0019-0023]

Oral Session - Orthodontic Research

 08:30 - 10:00  NAFSIKA

Workshop

[0025]

Workshop Young CED-IADR – Artificial Intelligence Applications for Oral Health:
A Hype or a Hope? (Registration mandatory)

Sponsored by



 10:00 - 10:30  EXHIBITION AREA

Coffee Break

 10:30 - 12:30  DELPHI

Symposium

[0026-0028]

Causal Links between Oral Infections and Non-communicable Diseases
over the Lifespan? SuuRIN Consortium

Supported by



 10:30 - 11:30  SALON DES ROSES A

Keynote Lecture

[0029]

Early healing around a tissue level zirconia implant - a histological investigation
in the miniature pig mandible

Supported by



 10:30 - 12:30

Oral Session

 SALON DES ROSES B – [0030-0037]

Oral Session - Dental Materials - Ceramics

 NEFELI – [0038-0045]

Oral Session - Pulp Biology & Regeneration

 NAFSIKA – [0046-0052]

Oral session - Oral Health Research

CHRONOLOGICAL LISTING OF SESSIONS AND EVENTS



THURSDAY, SEPTEMBER 21, 2023



12:00 - 13:00



POSTER HALL

Poster Session – DAY 1

[0054-0058] Cariology Research

[0059] Diagnostic Sciences

[0060-0065] Pediatric Oral Health Research

[0066-0068] Oral Health Research

[0069-0071] Behavioral, Epidemiologic and Health Services Research

[0072-0075] Orthodontics Research

[0076] Dental Materials - Ceramic-based Materials

[0077-0084] Dental Materials - Polymer-based Materials

[0085-0090] Dental Materials – Adhesion

[0091-0096] Dental Materials - Biocompatibility, Bioengineering and Biologic Effects of Materials

[0097-0099] Dental Materials - Colour and Appearance (Aesthetics)

[0100-0101] Dental Materials - Clinical Trials

[0102] Clinical and Translational Science Network

[0103] Network for Practice-based Research

[0104-0107] Pulp Biology and Regeneration

[0108-0109] Stem Cell Biology

[0110] Geriatric Oral Research

[0112] Prosthodontics

[0113-0114] Oral and Maxillofacial Surgery

[0115] Oral Health Research

CHRONOLOGICAL LISTING OF SESSIONS AND EVENTS

[0116-0117] Oral Medicine and Pathology

[0118] Diagnostic Sciences

[0119] Microbiology/Immunology

[0122-0126] Periodontal Research

[0127-0128] Education Research

[0129] Evidence-based Dentistry Network

 12:30 - 13:30  DELPHI

General Assembly

General Assembly NOF (by invitation only)

 12:30 - 13:30  RESTAURANT OF THE RODOS PALACE HOTEL

Lunch Break

 12:30 - 13:30  NAFSIKA

Round Table

Meet the Mentor (Registration mandatory)

Sponsored by



 13:30 - 15:30

Symposium

 DELPHI – [0130-0132]

Potential of Carbonate Apatite as Dental Bone Graft Substitutes

Supported by



 SALON DES ROSES A – [0133-0134]

Symposium supported by SEPTODONT - BioEXPerience in Restorative Dentistry

Supported by



 13:30 - 15:30

Oral Session

 SALON DES ROSES B – [0135-0142]

Oral session - Periodontal Research

CHRONOLOGICAL LISTING OF SESSIONS AND EVENTS



THURSDAY, SEPTEMBER 21, 2023

NEFELI – [0143-0150]

Oral Session - Oral Medicine - Salivary Glands Pathology

NAFSIKA – [0151-0157]

Oral session - TMD & Orofacial Pain



15:30 - 16:00



EXHIBITION AREA

Coffee Break



16:00 - 18:00

Symposium

DELPHI – [0159-0160]

Evidence-based adhesive bonding and luting protocols

Supported by

kuraray Norilake

SALON DES ROSES A – [0161-0163]

Periodontitis and Periodontal Therapy: Impact Beyond the Mouth

Supported by



16:00 - 18:00

Oral Session

SALON DES ROSES B – [0164-0171]

Oral session - Dental Materials - Implants Research

NEFELI – [0172-0179]

Oral session - Cariology Research

NAFSIKA – [0180-0186]

Oral session - Behavioural, Epidemiology and Health Services Research



19:00 - 21:00



PALACE OF THE GRAND MASTER OF THE KNIGHTS OF RHODES, RHODES

Welcoming Ceremony & Reception

Welcoming Ceremony & Reception at the Palace of the Grand Master of the Knights of Rhodes

– Registration mandatory

– Busses will leave at 18:30 from the Rodos Palace Hotel

CHRONOLOGICAL LISTING OF SESSIONS AND EVENTS

 **FRIDAY, SEPTEMBER 22, 2023**

 **08:30 - 10:00**

Oral Session

 **DELPHI – [0187-0192]**

Oral Session - Dental Materials - Adhesion

 **SALON DES ROSES A – [0193-0198]**

Oral Session - Periodontology - Oral Biofilms & Microbiome

 **SALON DES ROSES B – [0199-0204]**

Oral Session - Digital Dentistry - AI/Deep Learning

 **NEFELI – [0205-0210]**

Oral Session - Oral Maxillofacial Surgery

 **08:30 - 10:00**  **NAFSIKA**

Workshop

[0211]

Workshop Young CED-IADR – Diversifying Your Skill Set as an Early Career Researcher (Registration mandatory)

Sponsored by



 **10:00 - 10:30**  **EXHIBITION AREA**

Coffee Break

 **10:30 - 12:30**

Oral Session

 **SALON DES ROSES B – [0217-0223]**

Oral Session - Tooth Wear Research

 **NEFELI – [0224-0231]**

Oral Session - Pulp Biology & Imaging

 **10:30 - 11:30**  **NAFSIKA**

Keynote Lecture

[0232]

Seminar Young CED-IADR – Digital Personal Branding & Academia

Sponsored by



CHRONOLOGICAL LISTING OF SESSIONS AND EVENTS

 FRIDAY, SEPTEMBER 22, 2023

 10:30 - 12:30

Symposium

 DELPHI – [0212-0214]

The Evolution of Chairside Zirconia – A Direct Path to the Indirect

Supported by



 SALON DES ROSES A – [0215-0216]

Bio-logic Approach to Bone Regeneration: Scientific Evidence of Collagenated Biomaterials

Supported by



 12:00 - 13:00  POSTER HALL

Poster Session – DAY 2

[0233-0234] Behavioral, Epidemiologic and Health Services Research

[0235-0240] Cariology Research

[0242-0244] Clinical and Translational Science Network

[0245] Mineralized Tissue

[0246] Oral Health Research

[0247] Salivary Research

[0248-0251] Pediatric Oral Health Research

[0252-0255] Orthodontics Research

[0256-0257] Dental Materials - Ceramic-based Materials

[0258-0263] Dental Materials - Polymer-based Materials

[0264] Dental Materials - Metal-based Materials and Other Materials

[0265-0269] Dental Materials - Adhesion

[0270-0274] Dental Materials - Biocompatibility, Bioengineering and Biologic Effects of Materials

[0275] Dental Materials - Instruments and Equipment

[0276-0279] Dental Materials - Colour and Appearance (Aesthetics)

CHRONOLOGICAL LISTING OF SESSIONS AND EVENTS

[0280-0281] Dental Materials -Clinical Trials

[0282] Digital Dentistry Research Network

[0283-0284] Oral Health Research

[0285-0286] Prosthodontics

[0287-0289] Pulp Biology and Regeneration

[0290-0291] Stem Cell Biology

[0292-0293] Oral and Maxillofacial Surgery

[0294-0296] Craniofacial Biology

[0297] International Network for Orofacial Pain and Related Disorders Methodology

[0298-0299] Oral and Maxillofacial Surgery

[0300] Oral Medicine and Pathology

[0301-0307] Periodontal Research

[0308] Diagnostic Sciences

[0309] Implantology

[0310] Microbiology/Immunology

[0311-0312] Education Research

 12:30 - 13:30  DELPHI

General Assembly

General Assembly NOF (by invitation only)

 12:30 - 13:30  RESTAURANT OF THE RODOS PALACE HOTEL

Lunch Break

 12:30 - 13:30  NAFSIKA

Round Table

Meet the Mentor (Registration mandatory)

Sponsored by



CHRONOLOGICAL LISTING OF SESSIONS AND EVENTS



FRIDAY, SEPTEMBER 22, 2023

13:30 - 15:30

Oral Session

SALON DES ROSES B – [0320-0327]

Oral session - Dental Materials - Biocompatibility

NEFELI – [0328-0334]

Oral session - Geriatric Oral Research

NAFSIKA – [0335-0341]

Oral session - Diagnostic Science

13:30 - 15:30

Symposium

SALON DES ROSES A – [0317-0319]

Demarcated Opacities of the Enamel – Current Scientific Knowledge and Clinical Strategies

Supported by



DELPHI – [0314-0316]

Periodontitis – a Disruptor for Both a Sound Mind And Healthy Body

Supported by



15:30 - 16:00

EXHIBITION AREA

Coffee Break

16:00 - 18:00

Symposium

DELPHI – [0342-0344]

Bridging the Gap between Clinical Implant Dentistry and Tissue Engineering

Supported by



SALON DES ROSES A – [0345-0347]

Preventive and Minimal Invasive Strategies for the Management of Caries in Children

Supported by



CHRONOLOGICAL LISTING OF SESSIONS AND EVENTS

 16:00 - 18:00

Oral Session

 SALON DES ROSES B – [0348-0355]

Oral session - Dental Materials - Biocompatibility

 NAFSIKA – [0356-0363]

Oral Session - Fiber Reinforced Restorative Materials

 19:30 - 23:30  KALLITHEA SPRINGS, RHODES

Congress Get-Together Dinner Party

Congress Get-Together Dinner Party

– Busses will leave at 19:00 from the Rodos Palace Hotel.

– Transfers back to the Rodos Palace Hotel will be foreseen at 23:00 from the drop-off location.

 SATURDAY, SEPTEMBER 23, 2023

 08:30 - 10:00

Oral Session

 DELPHI – [0364-0369]

Oral session - Dental Materials

 SALON DES ROSES A – [0370-0375]

Oral session - Periodontal Research - Oral Microbiology & Immunology

 SALON DES ROSES B – [0376-0381]

Oral Session - Digital Dentistry - Deep & Machine Learning

 NEFELI – [0382-0387]

Oral session - Orthodontic Research - Epidemiology

 08:30 - 10:00  NAFSIKA

Workshop

[0388]

Workshop Young CED-IADR – Oral Presentations: Managing Your Anxiety and Improving Your Eloquence to Give the Best ([Registration mandatory](#))

Sponsored by



CHRONOLOGICAL LISTING OF SESSIONS AND EVENTS



SATURDAY, SEPTEMBER 23, 2023

10:00 - 10:30 EXHIBITION AREA

Coffee Break

10:30 - 12:30 DELPHI

Symposium

[0389-0391]

Symposium supported by CED-IADR - Dental Materials: New Directions in Biological and Mechanical Evaluation

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10:30 - 12:30

Oral Session

SALON DES ROSES A – **[0392-0398]**

Oral session - Dental Material - Mechanical Properties

SALON DES ROSES B – **[0399-0406]**

Oral session - Dental Material - Biocompatibility

NEFELI – **[0407-0414]**

Oral session - Oral Medicine - Salivary Glands

NAFSIKA – **[0415-0422]**

Oral session - Oral Microbiology & Immunology Research

11:30 - 12:30 POSTER HALL

Poster Session – DAY 3

[0424-0428] Cariology Research

[0429] Network for Practice-based Research

[0430] Salivary Research

[0431-0433] Pediatric Oral Health Research

[0434-0436] Orthodontics Research

[0437-0440] Dental Materials -Polymer-based Materials

CHRONOLOGICAL LISTING OF SESSIONS AND EVENTS

[0441-0444] Dental Materials - Adhesion

[0445-0447] Dental Materials - Biocompatibility, Bioengineering and Biologic Effects of Materials

[0449-0452] Dental Materials - Colour and Appearance (Aesthetics)

[0453] Dental Materials - Clinical Trials

[0454] Digital Dentistry Research Network

[0455] Prosthodontics

[0457] Stem Cell Biology

[0459] Craniofacial Biology

[0460-0461] Oral and Maxillofacial Surgery

[0462-0463] Oral Health Research

[0464] Oral Medicine and Pathology

[0465-0467] Periodontal Research

[0468] International Network for Orofacial Pain and Related Disorders Methodology

[0469] Diagnostic Sciences

[0470] Implantology

[0471] Microbiology/Immunology

[0472] Pharmacology/Therapeutics/Toxicology

[0473] Behavioral, Epidemiologic and Health Services Research

[0474] Education Research



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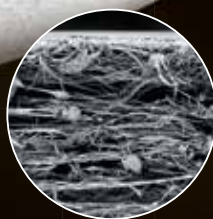


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SCIENTIFIC PROGRAMME

DAY 1  THURSDAY, SEPTEMBER 21, 2023

 DELPHI MEETING ROOM (SEQ#: 1)

8:30–10:00 Oral Session - Dental Materials - Adhesion

Chairpersons: **R.Q. Ramos** and **A. Schedle**

- 08:30** **S0001** Two-Body Wear Resistance of Highly Filled Universal Nanohybrid Composites
R. Martos*, **M. Szalóki**, **Á. Szokol**, **C. Hegedus**
(Department of Operative Dentistry and Endodontics, Faculty of Dentistry, University of Debrecen, Debrecen, Hungary)
- 08:45** **S0002** Bonding Effectiveness of Universal Adhesive not Affected by air-Abrasion/Polishing Dentin.
R.Q. Ramos*, **B. Mercelis**, **G.C. Lopes**, **B. Van Meerbeek**, **M. Peumans**
(BIOMAT, Department of Oral Health Sciences, KU Leuven, Leuven, Belgium)
- 09:00** **S0003** Effect of IDS Using Universal Adhesives on Monolithic Zirconia's Adhesion.
L. Fazlioglu*, **B. Oglakci**, **D. Tağtekin**
(Restorative Dentistry, Bezmialem Vakif University, Istanbul, Turkey)
- 09:15** **S0004** Bonding of Glass Ionomers to Resin Composite Using Universal Adhesive.
Z. Özduvan*, **B. Oglakci**
(Department of Restorative Dentistry, Bezmialem Vakif University, Faculty of Dentistry, Istanbul, Turkey)
- 09:30** **S0006** Shear Bond Strengths: Outcomes with Inexperienced vs. Experienced Operators.
A. Schedle*, **D. Watts**, **S. Lettner**, **A. Franz**
(University Clinic of Dentistry, Medical University of Vienna, Vienna, Austria)
- 09:45** Discussion

 SALON DES ROSES A MEETING ROOM (SEQ#: 2)

8:30–10:00 Oral Session - Periodontal Regeneration

Chairpersons: **N. Attik** and **M. Toledano-Osorio**

- 08:30** **S0007** Biocompatible Scaffolds with Osteoinductive Properties - in a Sheep Model.
T. Fritsch*, **M. Vukovic**, **W. Grimm**
(Research Department, Salzburg NAM Research Institute, Salzburg, Austria)
- 08:45** **S0008** The Influence of New Functionalized Scaffolds on Periodontal Ligament Cells Behaviour.
N. Attik*, **L. Bourdon**, **L. Belkessama**, **C. Chevalier**, **C. Bousige**, **A. Brioude**, **V. Salles**
(Faculté d'Odontologie, Université Lyon 1, Lyon, France)
- 09:00** **S0009** Doxycycline-Doped Nanoparticles Exert Cementogenic/Osteogenic Effect on Human Periodontal Ligament Cells.
M. Toledano-Osorio*, **M.T. Osorio**, **R. Toledano**, **M. Toledano**, **H. Huang**, **R. Osorio**, **F. Garcia-Godoy**, **C. Huang**
(University of Granada, Granada, Spain)
- 09:15** **S0010** Ce-Doped Silica-Based Mesoporous Nanoparticles Promote Periodontal Ligament Cells' Osteogenic Differentiation.
M. Bousnaki*, **I. Tsamesidis**, **E. Stalika**, **A. Beketova**, **G. Pouroutzidou**, **A. Theocharidou**, **E. Kontonasaki**
(Prosthodontics, School of Dentistry, Faculty of Health Sciences, Aristotle University of Thessaloniki, Thessaloniki, Greece)

SCIENTIFIC PROGRAMME

THURSDAY, SEPTEMBER 21, 2023 

DAY 1

09:30 **S0011** Prolonged Release of Calcium Through PCL/ β -TCP 3D-Scaffolds for Bone Regeneration.
B. Ghezzi*, **R. Foresti**, **B. Matera**, **M. Meglioli**, **V. Massei**, **G.M. Macaluso**, **S. Lumetti**
(Centro Universitario di Odontoiatria - Dept. Medicine and Surgery, University of Parma, Parma, Italy)

09:45 **S0012** Three-Dimensional Magnetic Hydrogel Composite Scaffolds for Bone Tissue Engineering.
J. Xue*, **N. Gurav**, **S. Elsharkawy**, **S. Deb**
(Faculty of Dentistry, Oral & Craniofacial Sciences, King's College London, London, United Kingdom)

 **SALON DES ROSES B MEETING ROOM (SEQ#: 3)**

8:30–
10:00 **Digital Dentistry - Scanners**
Chairperson: **W. Grimm**

08:30 **0013** Impact of Scanning Distance on Trueness and Precision of Intra-Oral Scanners.
H. Ulusoy, **H. Aydođdu***
(Prosthodontics, Çanakkale Onsekizmart University, Faculty of Dentistry, Çanakkale, Merkez, Turkey)

08:45 **S0014** Comparison of Caries Removal Techniques and Dental-Scanners for Quantitative Volume-Loss.
Ö. Kanar*, **B. Korkut**, **D. Tađtekin**
(Department of Restorative Dentistry, Marmara University, Istanbul, Turkey)

09:00 **0015** Scan Pattern on Whole Jaw Scans with Three Digital Scanners.
M. Vukovic*, **M. Wagner**, **T. Fritsch**, **W. Grimm**
(Research Department, Praxisteam Haßlinghausen, Haßlinghausen, NRW, Germany)

09:15 **S0016** Contacts Recorded with Articulating Paper and Digital Scanner - Prospective Study.
R. Esposito*, **F. Masedu**, **M. Tepedino**
(Department of Biotechnological and Applied Clinical Sciences, University of L'Aquila, L'Aquila, Italy)

09:30 **S0017** Level of Agreement Between Clinical Plaque Detection and Intraoral Scanner.
G. Gkavela*, **P. Nørrisgaard**, **C. Rahiotis**
(Dentistry, University of Athens, Athens, Greece)

09:45 **S0018** Intra-Oral Scanner, the Promise of an Accurate Guide Fitting.
P. Binvignat*, **E. Bittar**, **C. Villat**, **J.-C. Maurin**, **M. Ducret**, **R. Richert**
(Université Claude Bernard Lyon 1, Lyon, France)

 **NEFELI MEETING ROOM (SEQ#: 4)**

8:30–
10:00 **Oral Session - Orthodontic Research**
Chairpersons: **A. Rajbhoj** and **C. Zong**

08:30 **0019** Soft and Hard Tissue Changes During Long Orthodontic Tooth Movement.
R. B. Craveiro*, **M. Rizk**, **C. Niederau**, **M. Wolf**
(Department of Orthodontics, University Hospital RWTH Aachen, Aachen, Germany)

SCIENTIFIC PROGRAMME

DAY 1  THURSDAY, SEPTEMBER 21, 2023

- 08:45** **S0020** Periodontal Ligament Transplantation with Gold Nanoparticles Prevents Orthodontic Root Resorption.
C. Zong*, **A. Bronckaers**, **Z. Zhao**, **G. Willems**, **M. Cadenas De Llano Pérula**
(Orthodontics, Department of Oral Health Sciences, KU Leuven, Leuven, Belgium)
- 09:00** **S0021** Transcriptomic Profiling of Periodontal Ligament Tissue Subjected to Orthodontic Force.
Z. Zhao*, **C. Zong**, **C. Attanasio**, **M. S. Pedano De Piero**, **M. Cadenas De Llano Pérula**
(Department of Oral Health Sciences-Orthodontics, KU Leuven, Leuven, Vlaams Brabant, Belgium)
- 09:15** **S0022** Oral Muscle Pressure in Orthodontically Untreated and Treated Normal Occlusion.
A. Rajbhoj*, **H. Matthews**, **K. Doucet**, **P. Claes**, **G. Begnoni**, **G. Willems**, **M. Cadenas De Llano Pérula**
(Oral Health Sciences, Orthodontics, KU Leuven, Leuven, Belgium)
- 09:30** **0023** Root Resorption in Individuals with Self-Ligating and Conventional Bracket System.
A. Üstdal Güney*, **M. C. Güven**
(Cukurova University, Adana, Turkey)
- 09:45** Discussion

 **NAFSIKA MEETING ROOM (SEQ#: 5)**

8:30–10:00 **Workshop Young CED-IADR/Kulzer - Artificial Intelligence Applications for Oral Health: A Hype or a Hope?**
Introduction: **M. Pedano De Piero**

- 0025** Artificial Intelligence Applications for Oral Health: a Hype or a Hope?
P. Lahoud*
(Department of Oral and Maxillofacial Surgery and Imaging and Pathology (OMFS-IMPATh Research Group, KU Leuven, Leuven, Belgium)

 **DELPHI MEETING ROOM (SEQ#: 7)**

10:30–12:30 **Symposium supported by NOF - Causal Links between Oral Infections and Non-communicable Diseases over the Lifespan? SuuRIN Consortium**
Chairperson: **U. Gursoy**

- 10:30** **0026** Roles of Oral Microbiome in Cardiometabolic Diseases: Background and Aims.
P. Pussinen*
(University of Eastern, Eastern, Finland)
- 11:05** **0027** Oral Health, Systemic Health and Nutrition.
S. Lahti*
(Finnish Institute for Health and Welfare, Helsinki, Finland)

SCIENTIFIC PROGRAMME

THURSDAY, SEPTEMBER 21, 2023 

DAY 1

11:40 **0028** Determinants of Oral Microbiome Composition.
H. Viljakainen*
(Folkhälsan Research Institute, Helsinki, Finland)

12:15 Discussion

 SALON DES ROSES A MEETING ROOM (SEQ#: 8)

10:30–
11:30 **Keynote lecture supported by PATENT - Early Healing around a Tissue Level Zirconia Implant – a histological investigation in the miniature pig mandible**
Introduction: A. Sculean

10:30 **0029** Early Healing Around a Tissue Level Zirconia Implant – a Histological Investigation in the Miniature Pig Mandible.
D. Bosshardt*
(University of Bern, Bern, Switzerland)

 SALON DES ROSES B MEETING ROOM (SEQ#: 9)

10:30–
12:30 **Oral Session - Dental Materials - Ceramics**
Chairpersons: **S. Čokić** and **T. Roman**

10:30 **0030** Effect of Firing Time on the Biaxial Strength of 3D-Printed Zirconia.
S. Rues*, **C. Herpel**, **A. Ilani**, **P. Rammelsberg**, **F.S. Schwinding**
(University Hospital Heidelberg, Heidelberg, Germany)

10:45 **0031** Optimized Speed-Sintering of Monolithic Zirconia Ceramics.
S. Čokić*, **N. Lievens**, **B. Van Meerbeek**, **J. Vleugels**, **F. Zhang**
(BIOMAT, Department of Oral Health Sciences, KU Leuven, Belgium)

11:00 **S0032** Flexural Strength of Multilayer Zirconia Depending on Sintering and Aging.
C. Johansson*, **O. Lindström**, **J. Philipsen**, **J. Bischof Tillström**, **A. Tusoh**, **E. Papia**
(Department of Materials Science and Technology/Dental Technology, Faculty of Odontology, Malmö University, Malmö, Sweden)

11:15 **S0033** Effect of Sintering and Cement Color on Translucency of Zirconia.
A. Demir*, **C. Sayla Celik**, **M. Cakirbay Tanis**, **E. Tokar**, **S. Polat**
(Gazi University Faculty of Dentistry Department of Prosthodontics, ANKARA, Turkey)

11:30 **S0034** Does Speed Sintering of High Translucency Zirconia Impact its Color?
T. Roman*, **V. Hampé-Kautz**, **A. Greffet**, **B. Cournault**, **O. Etienne**
(Prosthodontics, Université de Strasbourg, Faculté de Chirurgie Dentaire Robert Frank, Strasbourg, France)

11:45 **0035** Effect of Wall-Thickness on Accuracy of 3D-Printed Zirconia Artificial Teeth.
H. Kobayashi*, **S. Schwinding**, **A. Tasaka**, **P. Rammelsberg**, **S. Yamashita**, **S. Rues**
(Department of Removable Partial Prosthodontics, Tokyo Dental College, Chiyoda, Tokyo, Japan)

12:00 **S0037** Effect of Surface Pretreatments on the Bond Strength to Zirconia.
T. Koyu*, **A. Tezvergil-Mutluay**, **M. Mutluay**, **D. Ozdemir Dogan**, **M. Ulgey**, **O. Gorler**
(Department of Prosthodontics, Sivas Cumhuriyet University, Sivas, Turkey)

SCIENTIFIC PROGRAMME

DAY 1  THURSDAY, SEPTEMBER 21, 2023

 NEFELI MEETING ROOM (SEQ#: 10)

10:30–12:30 **Oral Session - Pulp Biology & Regeneration**

Chairpersons: **I. About** and **M. Ezeldeen**

- 10:30 **0038** Direct Pulp Capping Clinical Results After Er:YAG Laser Preparation.
V. Stefanova*, **S. Tzanova**
(Operative Dentistry and Endodontics, Medical University of Plovdiv, Plovdiv, Bulgaria)
- 10:45 **0039** Coronal vs Deep Pulpotomy for Irreversible Pulpitis- a Randomized Clinical Trial.
V. Kumar*, **A. Shah**, **S. Sharma**, **A. Chawla**, **A. Logani**
(All India Institute of Medical Sciences, New Delhi, India)
- 11:00 **0040** Can We Consider Vital Pulp Therapy Without Pulp Volume Loss?
C. Jeanneau, **M. Bergmann**, **T. Giraud**, **M. Djoudi**, **G. Richard**, **I. About***
(Aix Marseille Université, Centre National de la Recherche Scientifique, Institut des Sciences du Mouvement, Marseille, France)
- 11:15 **0041** Characterization of Inflammatory Cell Infiltrate in Human Dental Pulp.
A. Sotirovska Ivkowska*, **Z. Georgiev**, **V. Ambarkova**
(Pediatric and Preventive Dentistry, Faculty of Dentistry, Skopje, Macedonia (the former Yugoslav Republic of))
- 11:30 **S0042** The Comparative Evaluation of an Experimental Dentin-Chip Added Pulp-Capping Material.
D. Akin*, **C. Atalayin Ozkaya**, **G. Armagan**, **D. Birim**, **M. Ates**, **T. Dagci**, **H. Tezel**
(Ege University School of Dentistry, Izmir, Turkey)
- 11:45 **0043** Cellular and Molecular Pulpal Response to LPS Multi-Injection Induced Inflammation.
S. Minic, **M. Florimond**, **T. Boukpepsi**, **E. Renard***
(UMR 1229, RMeS, Nantes Université, Nantes, France)
- 12:00 **0044** A Novel Glycosaminoglycan Mimetic for Chemokine Hydrogel Functionalization.
M. Ezeldeen*, **R. Vaz Sousa Pereira**, **M.S. Pedano De Piero**, **E. Martens**, **L. Dillemans**, **S. Noppen**, **D. Murgia**, **D. Schols**, **P. Proost**, **B. Van Meerbeek**, **I. Lambrichts**, **R. Jacobs**, **G. Opdenakker**
(OMFS-IMPACT, KU Leuven, Leuven, Belgium)
- 12:15 **S0045** Can Neutrophils Control the Evolution of Pulpitis?
M. Florimond*, **S. Minic**, **C. Chaussain**, **E. Renard**, **T. Boukpepsi**
(URP2496, Montrouge, France)

 NAFSIKA MEETING ROOM (SEQ#: 11)

10:30–12:30 **Oral Session - Oral Health Research**

Chairpersons: **V. Ambarkova** and **C. Volgenant**

- 10:30 **S0046** Evaluation of Active Magnesium-Containing-Toothpaste on Dental Plaque in Children.
N. Kodaman Dokumacigil*, **E. Akbeyaz Sivet**, **B. Sen Yavuz**, **B. Kargul**
(Department of Pediatric Dentistry, Marmara University Faculty of Dentistry, Istanbul, Turkey)

SCIENTIFIC PROGRAMME

THURSDAY, SEPTEMBER 21, 2023 

DAY 1

- 10:45** **0047** Knowledge and Attitudes about Oral Health Among North Macedonian Pregnant Women.
V. Ambarkova*, **K. Ivanovski**, **L. Gavic**, **A. Sotirovska Ivkovska**, **A. Sulejmani**, **J. Ambarkov**, **A. Karakamcev**, **Z. Selimi**
(Department for Pediatric and Preventive Dentistry, Faculty of Dental Medicine, University Saint Cyril & Methodius, Skopje, Macedonia (the former Yugoslav Republic of))
- 11:00** **S0048** Experience of Dental Health Care in Patients with Eating Disorders.
U. Gidlund*, **Y. Von Hausswolff-Juhlin**, **P. Larsson-Gran**, **G. Dahllöf**
(Department of Dental Medicine, Karolinska Institutet, Stockholm, Sweden)
- 11:15** **0049** The Prevalence, Dental Complications and Effects of Infant Oral Mutilation.
C. Volgenant*, **D. Spang**, **H. De Soet**, **K. Ziesemer**, **A. Kemoli**
Academic Centre for Dentistry Amsterdam (ACTA), Amsterdam, Netherlands)
- 11:30** **S0050** The Use of Dental Anxiety Management Techniques During One-Session Treatment.
P. Kurki*, **M. Korhonen**, **S. Lahti**, **A.L. Suominen**, **K. Honkalampi**
(Unit of Dentistry, The University of Eastern Finland, Kuopio, Finland)
- 11:45** **S0051** Oral Health Awareness of Highly Educated New Mothers in Italy.
S. Cirio*, **C. Salerno**, **N. Camoni**, **G. Campus**, **M.G. Cagetti**
(Department of Biomedical, Surgical and Dental sciences, University of Milan, Milan, Italy)
- 12:00** **S0052** Management of Diabetes and its Oral Manifestations with Nanotechnology-Based Treatment.
E. David*, **S. Chaushu**, **Y. Barenholz**, **Y. Klein**, **N. Pinto**, **K. Turjeman**
(Biochemistry, Institute for Medical Research Israel-Canada, Faculty of Medicine, Hebrew University of Jerusalem, Jerusalem, Israel, Jerusalem, Israel)
- 12:15** Discussion

 POSTER HALL (SEQ#: 12)

12:00–
13:00

Poster Session Day 1

CARIOLOGY RESEARCH

- S0054** Rehardening Effect of Boron-Modified Bioactive Glass on Initial Enamel Caries.
R. Fidan Spor*, **B. Zengin Kurt**, **E. Eligüzeoglu Dalkilic**
(Restorative Dentistry, Bezmialem Vakif University, Istanbul, Istanbul, Turkey)
- 0055** Picturing Dental Hard Tissue Proteins in Solution Using Mass Spectrometry.
U. Almhöjd*, **Å. Nilsson**, **A. Lehrkinder**, **P. Lingström**
(Cariology, Odontology, Gothenburg, Sweden)
- 0057** Comparing NaF and Nicomethanol Hydrofluoride Regarding Enamel Fluoride Uptake.
M. Morawietz, **T. Schiffner**, **S. Gierth**, **P.-M. Vosin**, **N. Castex Rizzi**, **A. Kiesow***, **M. Souyris**
(Fraunhofer Institute for Microstructure of Materials and Systems, Halle/Saale, Germany)

SCIENTIFIC PROGRAMME

DAY 1  THURSDAY, SEPTEMBER 21, 2023

- 0058** Complex Plaque Control by Robot Testing of Four Different Toothbrushes.
T. Lang*, **C. Klode**, **M. Souyris**, **A. Simonini**, **P.-M. Voisin**, **P. Gaengler**
(University of Witten/Herdecke, ORMED – Institute for Oral Medicine, Witten, Germany)

DIAGNOSTIC SCIENCES

- 0056** Performance of DIAGNOcam Aided by Indocyanin to Detect Proximal Cavitation.
S. De Vega*, **L. Ceballos**, **V. Fuentes**
(Stomatology, Universidad Rey Juan Carlos, Alcorcón, Madrid, Spain)

- 0059** Lateral NIRT at 1300nm for Caries Detection in Posterior Teeth.
F. Litztenburger*, **R. Hickel**, **K.-H. Kunzelmann**, **E. Walter**, **K. Heck**
(Department of Conservative Dentistry, University Hospital, LMU Munich, Munich, Bayern, Germany)

PEDIATRIC ORAL HEALTH RESEARCH

- 0060** Gestational Diabetes and Oral Microbiota: A Systematic Review.
N. Camoni*, **E. Bardellini**, **G. Conti**, **A. Majorana**, **G. Campus**, **M.G. Cagetti**
(Department of Biomedical, Surgical and Dental Sciences, University of Milan, Milan, Italy)

- 0061** Treatment of Odontogenic Cysts with a Removable Acrylic Appliance: 2 Case-Reports.
G.e. Karaman*, **A. Parlakyildiz Gökçe**, **F. Ugurlu**, **A. Mentis**
(Marmara University, Istanbul, Turkey)

- 0062** Regenerative Endodontic Treatment of Immature Necrotic Premolar Tooth: 4-Year Follow-Up.
A. Asik*, **O. Oncag**
(Pediatric Dentistry, Ege University Faculty of Dentistry, Izmir, Turkey)

- 0064** Dental Management of a Patient with Osteogenesis Imperfecta.
A. Papanastasiou*, **A. Petrou**, **K. Seremidi**, **A. Agouropoulos**, **S. Gizani**
(Paediatric Dentistry, School of Dentistry, Dental School of Athens, Athens, Greece)

- 0065** Delayed Replantation of Avulsed Tooth: a 4-Year Follow-Up.
S. Arabulan*, **M. Erbay Mola**, **F. Ertugrul**
(Department of Pediatric Dentistry, Ege University, Izmir, Turkey)

ORAL HEALTH RESEARCH

- 0066** Evaluation of Enamel Roughness Following Brushing with Different Whitening Toothpastes.
G. Akin Tezgel*, **E. Haznedaroglu**
(Pediatric Dentistry, Marmara University Faculty of Dentistry, Istanbul, Turkey)

- 0067** Co-Occurrence of Dental Caries and Periodontitis: Multilevel Modelling Approach.
L. Stangvaltaite-Mouhat*, **R. Skudutyte-Rysstad**, **H. Ko**, **J. Aleksejuniene**, **I. Stankeviciene**, **A. Puriene**
(Oral Health Center of Expertise in Eastern Norway, Oslo, Norway)

- 0068** Comparison of Efficacy of 3D Electric and Manual Toothbrushes.
C. Rahiotis*, **K. Charalambus**, **E. Pepelassi**, **A. Kakaboura**
(National and Kapodistrian University of Athens, Athens, Greece)

SCIENTIFIC PROGRAMME

THURSDAY, SEPTEMBER 21, 2023 

DAY 1

BEHAVIORAL, EPIDEMIOLOGIC AND HEALTH SERVICES RESEARCH

- 0069** Efficacy of Ventilation to Improve Air Quality in Treatment Room.
Y. Chestsutayangkul*, **A. Opasawatchai**
(Dental, Rajavithi Hospital, Bangkok, Thailand)
- 0070** Factors Influencing Tooth Loss in Adolescents in Belgrade, Serbia.
M. Pavlovic*, **V. Kolak**, **A. Jevremovic**, **M. Gajic**, **N. Novkovic**, **M. Mijailovic**
(Prostodontics, Faculty of Dentistry Pancevo, Pancevo, Serbia)
- 0071** Endodontic Referrals of Children and Adolescents: A Complex Matter.
A. Bletsa*, **M. Alsos**, **L. Alshekh**, **O. Iden**, **K.h. Jensen**
(Oral Health Centre of Expertise in Western Norway, Bergen, Norway)

ORTHODONTICS RESEARCH

- S0072** Treatment Effects of Tongue Crib Appliance in Growing Patient.
J.B. Kim*, **J.-S. An**, **S.-J. Ahn**
(Department of Orthodontics, Seoul National University School of Dentistry, Seoul, Korea (the Republic of))
- S0073** Prefabricated Myofunctional Appliances Effects and Use for Dental Trauma Prevention.
G. Minervini, **R. Franco***, **L. Fiorillo**, **V. Ronsivalle**, **L. Laino**, **A. Meto**, **Ç. Toti**, **M. Cicciù**, **G. Cervino**
(Department of Biomedicine and Prevention, University of University of Rome "Tor Vergata", Rome, Italy)
- 0074** Effect of Coca-Cola on Enamel Staining After Orthodontic Bracket Bonding.
M. Papatheodorou*, **A. Papatheodorou**, **A. Gyftodimou**, **C.T. Preoteasa**
(Private Practice, Athens, Greece)
- 0075** Streptococcus Mutans Adherence to Orthodontic Brackets: An in-Vitro Study.
L. Teisseire, **C. Charavet**, **F. Orange**, **M. Chevalier**, **L. Lupi-Pegurier***
(Université Cote d'Azur, Micoralis, Nice, France)

DENTAL MATERIALS - CERAMIC-BASED MATERIALS

- S0076** Effect of Polishing Systems on Hybrid-Ceramic Composites Surface Roughness.
A.R. Cetin, **S.S. Çağlar***, **G. Dinler**
(Restorative Dentistry, Selcuk University, Konya, Turkey)

DENTAL MATERIALS - POLYMER-BASED MATERIALS

- 0077** Fatigue Resistance of Chairside CAD-CAM Materials.
M. Mutluay*, **A. Tezvergil-Mutluay**
(Prosthodontics, University of Eastern Finland, Kuopio, Finland)
- 0078** Three-Dimensionally Printable Antimicrobial Dental Material by Microencapsulation of Phytochemicals.
Y. Jo*, **H.-I. Yoon**, **B. Yilmaz**
(Dental Research Institute, Seoul National University School of Dentistry, Seoul, Korea (the Republic of))

SCIENTIFIC PROGRAMME

DAY 1  THURSDAY, SEPTEMBER 21, 2023

- 0079** Preheating of LC-Composite Restoratives Does Not Improve Conversion Under Overlays.
M. Dimitriadi*, **A. Petropoulou**, **G. Eliades**
(Biomaterials, School of Dentistry, National and Kapodistrian University of Athens, Athens, Greece)
- S0080** Effects of Thickness and Curing-Time on Microhardness of Resin Composites.
E. Dermanli*, **E. Öztürk**
(Restorative Dentistry, Hacettepe University, Ankara, Turkey)
- 0081** Temperature Rise During Polymerization of Bulk-Fill Composites Using Blue Laser.
E. Klaric*, **A. Ivanisevic**, **A. Baraba**, **M. Rakic**, **M. Soçe**, **S. Čekalović Agović**
(Department of Endodontics and Restorative Dentistry, School of Dental Medicine, School of Dental Medicine, Zagreb, Croatia)
- 0082** Functional Mechano-Biology and Morphology After Conditioned Dentin Cleaning.
M. Toledano*, **E. Osorio**, **J. Espigares**, **R. Osorio**, **M. Toledano-Osorio**
(University of Granada, Granada, Spain)
- 0083** Material's Type Influences the Surface Properties of Resin-Based Printed Restorations.
N. El-Sahn*, **H. El-Damanhoury**, **R. Osman**, **Z. Shirazi**
(Clinical Sciences, College of Dentistry, Ajman University, Ajman, United Arab Emirates)
- 0084** Dexamethasone and Zinc-Loaded Nanoparticles Improve Dentin Mechanical and Chemical Behaviour.
R. Osorio*, **F.S. Aguilera**, **M. Toledano**, **M.T. Osorio**, **E. Fernández- Romero**, **R. Toledano**, **E. Osorio**
(University of Granada, Granada, Spain)

DENTAL MATERIALS - ADHESION

- S0085** Effect of Vital Pulp Therapy Antiseptic Agents on Dentin Bonding.
D. Jiménez-Díez*, **E. Baena**, **V. Ortiz**, **V. Carreño**, **V. Fuentes**, **L. Ceballos**
(IDIBO Research Group, Faculty of Health Sciences, Rey Juan Carlos University, Alcorcón, Madrid, Spain)
- 0086** Adhesive Potential of Different Luting Systems to Bovine Dentin.
Z. Chaabane, **U. Lohbauer**, **R. Belli**, **J.i. Zorzin***
(Dental Clinic 1 - Operative Dentistry and Periodontology, University Hospital of Erlangen, Erlangen, Germany)
- 0087** Separate Silanization of HF-Etched Glass-Ceramic Improves Bonding of Silane-Containing Adhesive.
B. Mercelis*, **R.Q. Ramos**, **G.C. Lopes**, **B. Van Meerbeek**
(BIOMAT, Department of Oral Health Sciences, KU Leuven (University of Leuven), Leuven, Vlaams Brabant, Belgium)
- 0088** 10-MDP Containing Cleaning Agent Restores Bond Strength to Contaminated Resin.
C. Soler-Tornero*, **M. Mutluay**
(University of Eastern Finland, Kuopio, Finland)
- S0089** Effect of Solvents on the Cytotoxicity of Surface Pre-Reacted Glass.
I. Salim*, **R. Seseogullari-Dirihan**, **T. Stape**, **M. Mutluay**, **A. Tezvergil-Mutluay**
(Department of Cariology and Restorative Dentistry, Institute of Dentistry, Turku, Finland)

SCIENTIFIC PROGRAMME

THURSDAY, SEPTEMBER 21, 2023 

DAY 1

0090 Propolis and Hypericum Perforatum as a Cavity Disinfectant.

B.A. Serin*, K. Danisti

(Pediatric Dentistry, Cukurova University, Adana, Turkey)

DENTAL MATERIALS - BIOCMPATIBILITY, BIOENGINEERING AND BIOLOGIC EFFECTS OF MATERIALS

S0091 Salivary Protein Adsorption and Hydrophilicity of TiO₂-Coated Titanium.

S. Riivari*, T. Närhi, J. Willberg

(University of Turku, Turku, Finland)

S0092 Novel Hesperitin Nanofibers for Application in Bone Tissue Engineering.

P. Maquera Huacho*, A.I. García Millás Massaguer, D. Palomari Spolidorio, D. Grenier

(School of Dentistry, São Paulo State University (UNESP), Araraquara, São Paulo, Brazil)

S0093 Bioactivity of Calcium Silicate-Based Endodontic Sealers.

A.D. Vrochari*, A. Agrafioti, M. Dimitriadi, S. Zinelis, G. Eliades

(Department of Endodontics, School of Dentistry, National and Kapodistrian University of Athens, Athens, Attika, Greece)

S0094 Hard-Tissue Cell Response to Zirconia Implant Surfaces Coated with MTA.

B. Fernandes*, J. Marques, M. Da Cruz, G. Garret, O. Carvalho, J. Caramês, A. Mata

(Oral Biology and Biochemistry Research Group (GIBBO), Unidade de Investigação em Ciências Orais e Biomédicas (UICOB), Faculdade de Medicina Dentária, Universidade de Lisboa, Lisbon, Portugal)

S0095 Effectiveness of Various Therapies Against Dentin Hypersensitivity.

N. Papazisi*, D. Dionysopoulos, K. Tolidis, O. Naka

(Operative Dentistry, Aristotle University of Thessaloniki, Thessaloniki, Greece)

S0096 Treatment of Persistent Primary Teeth with Apical Root Resorption with MTA: a Case Report.

A.C. Çelik*

(Selcuk Dentistry Faculty, Konya, Turkey)

DENTAL MATERIALS - COLOUR AND APPEARANCE (AESTHETICS)

S0097 Can Energy Drinks Affect the Appearance of Bioactive Restorative Materials?

I. Giray*, H.D. Kose, H. Boyacioglu, L.S. Türkün

(Department of Restorative Dentistry, Ege University School of Dentistry, Izmir, Turkey)

S0098 Perceptibility and Acceptability of Lightness Differences of a Single Maxillary Central Incisor.

S. Diamantopoulou*, P. Ntovas, W. Johnston, E. Papazoglou

(Dental School, University of Athens, Athens, Greece)

S0099 Fluorescence and Color Changes of Several Universal Composites After Aging.

V. Fuentes, D. Jiménez-Díez, B. García-Cuevas, M. Jiménez-Gonzalo,

O. González-Castro, L. Ceballos*

(IDIBO Research Group, Rey Juan Carlos University, Alcorcón, Madrid, Spain)

SCIENTIFIC PROGRAMME

DAY 1  THURSDAY, SEPTEMBER 21, 2023

DENTAL MATERIALS - CLINICAL TRIALS

S0100 A Conservative Alternative Option for Root Fracture Tooth Treatment.

N. Ünlü, E.E. Mutafçilar Velioglu, H.Ç. Eser*

(Faculty of Dentistry, Selcuk University, Konya, Turkey)

S0101 Removal of Broken Instruments from Root Canal: Two Case Reports.

S. Ucmak*, O. Eraslan

(Endodontics, Selcuk University Dentistry Faculty, Konya, Turkey)

CLINICAL AND TRANSLATIONAL SCIENCE NETWORK

S0102 Retaining Vitality of a Crown-and-Root-Fractured-Tooth Using Partial Pulpotomy.

E. Kosan*, S. Herbst, F. Schwendicke

(Oral Diagnostics, Digital Health and Health Services Research, Charité-University Medicine Berlin, Berlin, Germany)

NETWORK FOR PRACTICE-BASED RESEARCH

0103 Direct Pulp Capping Techniques and Material Choices: Perspective of South African Dentists.

R. Adam*

(Prosthodontics, University of the Western Cape, Cape Town, Western Cape, South Africa)

PULP BIOLOGY AND REGENERATION

S0104 An Innovative Vital Pulp Therapy Approach on Permanent Mature Teeth.

L. Esposito*, N.G. Armogida, M. Cernerá, A. Valletta, S. Rengo, F. Iaculli

(University of Naples Federico II, Naples, Italy)

0105 Cigarette Increases Apical Periodontitis Bone Resorption in Rats.

E. Dezan-Junior*, A.M.V. Vasques, A.C.R. Silva, C.R.E. Bueno, L. Cintra, E. Ervolino, M. Duarte

(Endodontics, São Paulo State University (UNESP), School of Dentistry, Campus Aracatuba, Aracatuba, São Paulo, Brazil)

S0106 Management of Extraoral Sinus Tract with Non-Surgical Endodontic Treatment.

S. Kara*, O. Tavsan

(Endodontics, Usak University, Usak, Turkey)

S0107 A Collagen Scaffold Encapsulating Complement C5a Enhances Pulp Cell Colonization.

A. Cotten*, C. Jeanneau, M. Djoudi, B. Ballester, G. Richard, I. About

(Aix-Marseille Université, Centre National de la Recherche Scientifique, Institut des Sciences du Mouvement, Marseille, France)

STEM CELL BIOLOGY

0108 Characterization of Reduced Enamel Epithelial Cell Culture Cells.

N. Ishkitiev*, S. Kalenderova, V. Dimitrova, M. Perifanou-Sotiri, B. Calenic, M. Praskova

(Medical University Sofia, Sofia, Bulgaria)

S0109 Dental Origin Stem Cells in Plant Scaffolds.

N. Tsarevska*, M.e. Malinova, M. Penev, Z. Mihaylova, N. Ishkitiev

(Medical University Sofia, Sofia, Bulgaria)

SCIENTIFIC PROGRAMME

THURSDAY, SEPTEMBER 21, 2023 

DAY 1

GERIATRIC ORAL RESEARCH

0110 Decrease of the Geriatric Masticatory Coefficient in the Elderly Suffering from Malnutrition.

A. Berard*, **D. Gillet**, **I. Bourdel-Marchasson**

(Dept. of Odontology, CHU Bordeaux, Bordeaux, France)

PROSTHODONTICS

0112 Digital Impression for Implant-Treated Edentulism: A Clinical Scenario-Based in-Vitro Study.

G. Vasileiadi, **K. Sarafidou***, **E. Ximinis**, **A. Tsouknidas**, **O. Naka**, **M. Kokoti**,
F. Gogomitros, **A. Bakopoulou**

(Prosthodontics, Thessaloniki, Greece)

ORAL AND MAXILLOFACIAL SURGERY

S0113 Chin Volume Asymmetry Score Changes After Class III Orthognathic Surgery.

E. Nike*, **O. Radzins**, **P. Pirttiniemi**, **V. Vuollo**, **A. Slaidina**, **A. Abeltins**

(Department of the Orthodontics, Institute of Stomatology, - RSU, Riga, Latvia)

S0114 Imaging Findings of Bisphosphonate-Related Osteonecrosis of the Jaw with Emphasis on Late Magnetic Resonance Imaging Findings.

A. Gerçek*, **S. Adiloğlu**, **A. Aktas**

(Oral and Maxillofacial Surgery, Hacettepe University, Ankara, Turkey)

ORAL HEALTH RESEARCH

S0115 Frequency of Human Papilloma Virus in Patients with Dry Mouth.

C. Erdei*, **A. Dézsi**, **K. Szarka**, **K. Márton**, **Xerostomia Clinic Working Group**

(Department of General Dental Preclinical Practice, Semmelweis University, Budapest, Hungary)

ORAL MEDICINE AND PATHOLOGY

0116 DAPK1 and DCC Hypermethylation in Oral Lichen Planus.

P. Papadopoulos, **A. Chatzivasileiou**, **I. Louizou**, **A. Tsirtsaki**, **A. Tsitsopoulos**, **D. Parlitsis**, **K. Vaxtsevanos**, **A. Pouloupoulos***, **D. Andreadis**

(Oral Medicine and Oral Pathology, Aristotle University of Thessaloniki, Dental School, Thessaloniki, Greece)

0117 An Unusual Form of Epidermolysis Bullosa with Recurrent Oral SCCs.

N. Patel*, **G. Merrick**, **A. Al-Rikabi**

(Maxillofacial Surgery, Musgrove Park Hospital, Taunton, United Kingdom)

DIAGNOSTIC SCIENCES

0118 Periodontal Bone Loss Detection on Periapical Radiographs by Transformer Networks.

H. Dujic*, **O. Meyer**, **R. Hickel**, **V. Gruhn**, **M. Hesenius**, **J. Kühnisch**

(Department of Conservative Dentistry and Periodontology, University Hospital, LMU Munich, Munich, Germany)

SCIENTIFIC PROGRAMME

DAY 1  THURSDAY, SEPTEMBER 21, 2023

MICROBIOLOGY/IMMUNOLOGY

S0119 In Vitro Bacterial Adhesion to Root Surface after Instrumentation.
L. Berto*, **S. Feuz**, **A. Jutzi**, **A. Sculean**, **S. Eick**, **A. Stähli**
(University of Bern, Bern, Switzerland)

PERIODONTAL RESEARCH

S0122 STING Activation in Human Gingival Keratinocytes by Bacterial Cyclic Dinucleotides.
S. Elmanfi*, **H. O. Sintim**, **E. Könönen**, **U. Gursoy**
(Department of Periodontology, Institute of Dentistry, University of Turku, Turku, Finland)

S0123 The Prevalence of β -Lactamase Production by Oral Capnocytophaga Species.
A. Alghawi*, **V. Härkönen**, **E. Könönen**, **M. Gursoy**
(Department of Periodontology, Institute of Dentistry, University of Turku, Turku, Finland)

S0124 Gene Expression Profiles in Smokers and non-Smokers with Stage III-IV Periodontitis.
L. Knie*, **Y. Xue**, **K. Leknes**, **Y. Xue**, **V. Bull**, **L. Myhren**, **D. Bunæs**
(Department of Clinical Dentistry, Faculty of Medicine, University of Bergen, Bergen, Norway)

S0125 Evaluating the Effects of Different Air-Polishing Powders on Different Tooth Surfaces.
S. Yadipour*, **Yadipour**, **Sevda**, **Erol**, **Ayşe**, **Çekici**, **Ali**
(Dentistry, Periodontology, Istanbul, Turkey)

S0126 Flavonoids: Broad Spectrum Agents on Resolution of Inflammation and Repair.
J. Carvalho*, **F. Bione**, **V. Lucca**, **L. Basseti**, **V. Gonçalves**, **D. Spolidorio**, **L.C. Spolidorio**
(Department of Diagnosis and Surgery, São Paulo State University (UNESP), Araraquara, São Paulo, Brazil)

EDUCATION RESEARCH

S0127 The Use and Ethics of Dental Photography in South Africa.
F. Kimmie-Dhansay*, **N. Potgieter**, **N. Mprah**, **L. Msane**, **M. Shaza**, **A. Mowzer**, **N. Mthupha**, **T. Safodien**, **S. Mirriam**, **O. Solombela**, **Z. Suliman**, **J. Smith**
(Community Dentistry, University of the Western Cape, Cape Town, South Africa)

0128 Socio-Ethical Parameters in Dental School Students.
D. Andreadis*, **P. Anastasiadou**, **D. Parlitsis**, **S. Cheristanidis**, **A. Pouloupoulos**, **A. Stogiannidis**
(Aristotle University of Thessaloniki, Thessaloniki, Greece)

EVIDENCE-BASED DENTISTRY NETWORK

S0129 Scientific Data-Based Evaluation of Research Trends in Dentistry.
E. Ozgel*, **C. Atalayin Ozkaya**, **M. R. Atilgan**
(Ege University, Izmir, Turkey)

SCIENTIFIC PROGRAMME

THURSDAY, SEPTEMBER 21, 2023 

DAY 1

DELPHI MEETING ROOM (SEQ#: 16)

13:30–15:30 **Symposium supported by GC International AG - Potential of Carbonate Apatite as Dental Bone Graft Substitutes**
Chairperson: **A. Sculean**

13:30 **0130** Why Carbonate Apatite? Learning From the Human Bone.

K. Ishikawa*

(Faculty of Dental Science, Department of Biomaterials, Kyushu University, Fukuoka, Japan)

14:05 **0131** Potential of a New Synthetic Carbonate Apatite Bone Substitute for Periodontal Regeneration.

A. Sculean*

(Periodontology, University of Bern, Bern, Switzerland)

14:40 **0132** Osteoconductive Potential and Clinical Performance of Carbonate Apatite.

H. Saito*

(University of Maryland, School of Dentistry, Department of Advanced Oral Science and Therapeutics, Division of Periodontics, Baltimore, Maryland, USA)

15:15 Discussion

SALON DES ROSES A MEETING ROOM (SEQ#: 17)

13:30–15:30 **Symposium supported by SEPTODONT - BioEXPerience in Restorative Dentistry**
Chairperson: **I. About**

13:30 **0133** Innovative Biological Approach of Restorative Dentistry.

R. Monterubbianesi*

(Department of Biomedical Science and Public Health, Università Politecnica delle Marche, Marche, Italy)

14:15 **0134** Simplifying the Restorative Dentistry with Bio Bulk-Fill Approach.

V. Tosco*

(Restorative Dentistry and Endodontics, Department of Clinical Sciences and Stomatology, Polytechnic University of Marche, Torrette di Ancona, Italy)

15:00 Discussion

SALON DES ROSES B MEETING ROOM (SEQ#: 18)

13:30–15:30 **Oral Session - Periodontal Research**
Chairpersons: **M. Peditto and N. Armogida**

13:30 **0135** Impact of Heat-not-Burn Tobacco on Periodontal Health: A Cohort Study.

M. Peditto*, A. Marcianò, G. Cervino, M. Ciccù, G. Oteri

(Department of Biomedical and Dental Sciences and of Morphological and Functional Imaging, University of Messina, Messina, Italy)

SCIENTIFIC PROGRAMME

DAY 1  THURSDAY, SEPTEMBER 21, 2023

- 13:45** **S0136** Local Treatment of Liposomal Resolvin-D1: Inhibition of Periodontitis.
N. Pinto*, **S. Chaushu**, **Y. Barenholz**, **Y. Klein**, **E. David**
(Dental Sciences, Institute of Dental Sciences, Faculty of Dental Medicine, Hebrew University of Jerusalem, Jerusalem, Israel)
- 14:00** **S0137** Salivary MMP-9 and SOD Levels After Non-Surgical Periodontal Treatment.
S. Iyigun*, **N.G. Gorgulu**, **B. Dogan**
(Periodontology, Marmara University, Dentistry Faculty, Istanbul, Turkey)
- 14:15** **O138** Long-Term Assessment of Hyaluronic Acid Application in Gingival Recession Treatment.
S. C. Isler*, **A. Stähli**, **J. C. Imber**, **A. Sculean**
(Periodontology, Gazi University, Ankara, Turkey)
- 14:30** **O139** SEM Characteristics After Different Instrumentation Modalities.
B. Yaneva*, **P. Shentov**, **G. Tomov**
(Periodontology and Oral Mucosa Diseases, Medical University-Plovdiv, Plovdiv, Bulgaria)
- 14:45** **S0140** Plaque-Inhibitory Effect of Electrolysed-Saline Mouthwash in a 4-Day Non-Brushing Model.
K. Povšič, **H. Munjakovic***, **N. Zayed**, **W. Teughels**, **A. Fidler**, **R. Gašperšič**
(Department for Oral Medicine and Periodontology, University Medical Centre, Ljubljana, Slovenia)
- 15:00** **S0142** Periodontal Therapy Efficacy Impacted by Oral Bacteria in Periodontitis Patients.
N. G. Armogida*, **G. Spagnuolo**, **A. Polizzi**, **S. Santonocito**, **T. Kocher**, **G. Isola**
(University of Naples Federico II, Naples, Italy)
- 15:15** Discussion

 NEFELI MEETING ROOM (SEQ#: 19)

13:30–15:30 **Oral Session - Oral Medicine - Salivary Glands Pathology**
Chairpersons: **J. Frigaard** and **V. Zisis**

- 13:30** **O143** Microbial and Sialochemical Saliva Shifts with Tumor Irradiation.
J. Brinz*, **O. Kölbl**, **A. Hiergeist**, **S. Wallner**, **F. Cieplik**, **K. Scholz**, **I. Hüttinger**, **F. Steger**, **M. Hautmann**, **C. Süs**
(Department of Conservative Dentistry and Periodontology, University Hospital LMU Munich, Munich, Germany)
- 13:45** **S0144** Saliva Collection: The Influence of Food Consumption and Toothbrushing on the Oral Microbiota.
V. Chuchmová*
(Department of Public Health, Masaryk University, Brno, Czechia)
- 14:00** **S0145** Development of a Score to Classify Severity of Dry Mouth.
J. Frigaard*, **H. Hynne**, **J. Jensen**
(Institute of Clinical Dentistry, University of Oslo, Oslo, Norway)
- 14:15** **O147** Assessment of Salivary Glands in Juvenile Sjogren's Syndrome.
D. Aframian*, **I. Fyer**, **N. Aizenbud**, **A. Ratman**, **G. Almozni**
(Sjogren's Syndrome Center, Department of Oral Medicine, Sedation & Imaging, Hadassah Medical Center, Faculty of Dental Medicine, Hebrew University of Jerusalem, Jerusalem, Israel)

SCIENTIFIC PROGRAMME

THURSDAY, SEPTEMBER 21, 2023 

DAY 1

- 14:30** **S0148** A Preliminary Study of ALDH1&2 Expression in Oral Lichen Planus.
V. Zisis*, **N. Giannakopoulos**, **M. Schmitter**, **A. Pouloupoulos**, **D. Andreadis**
(Aristotle University of Thessaloniki, Thessaloniki, Greece)
- 14:45** **S0149** The Giant Cell Granulomas of the Jaws: Retrospective Pilot Study.
S. Aksoy*, **I. Ari**, **E. Usman**, **G. Yasan**, **S. Adiloğlu**, **A. Aktas**
(Oral and Maxillofacial Surgery, Hacettepe University, Ankara, Turkey)
- 15:00** **S0150** Investigation of Prevalence of HPV-Related Lesions in Oral Cavity.
I. Bas*, **I. Ari**, **C. Karaca**
(Oral and Maxillofacial Surgery, Hacettepe University, Ankara, Turkey)
- 15:15** Discussion

 **NAFSIKA MEETING ROOM (SEQ#: 20)**

13:30–15:30 **Oral Session - TMD & Orofacial Pain**
Chairpersons: **A. Emodi-Perlman** and **E. Schiffman**

- 13:30** **S0151** Head and Neck Pain Drawings: Diagnostic Value for Temporomandibular Disorders.
C. Herpel*, **F.S. Schwindling**, **P. Rammelsberg**, **J. Tesarz**
(Department of Prosthodontics, Heidelberg University Hospital, Heidelberg, Germany)
- 13:45** **O152** COVID-19 and Temporomandibular Disorders - Comparison of 3 Time Periods.
A. Emodi-Perlman*, **I. Eli**, **T. Shalev-Antsel**, **O. Winocur-Arias**, **P. Friedman-Rubin**
(Oral Rehabilitation, Tel-Aviv University, Sackler Faculty of Medicine-Dental School, Herzeliya, Israel)
- 14:00** **S0153** Predictors of Pain Outcomes in Patients with Painful Temporomandibular Disorders.
J. Look, **G. Anderson**, **Q. Wang**, **T. List***, **A. Velly**, **D. Rindal**, **J. Riley**, **E. Schiffman**,
National Dental Practice-Based Research Network Collaborative Group
(Orofacial Pain and Jaw Function, Malmö University, Malmö, Sweden)
- 14:15** **O154** Relative Risk of Clinical Characteristics Associated with Post-Treatment TMD Pain.
J. Look, **G. Anderson**, **Q. Wang**, **T. List**, **A. Velly**, **D. Rindal**, **J. Riley**, **E. Schiffman***,
National Dental Practice-Based Research Network Collaborative-Group
(TMD and Orofacial Pain, University of Minnesota, Minneapolis, Minnesota, USA)
- 14:30** **O155** Comparison of Post Endodontic Pain after Endomethasone N vs SP.
Y. Boucher*, **F. Basle Thebault**, **R. Cabantous**, **C. Cameli**, **S. Cano**, **H. Colombel**,
L. Ferte, **F. Fossati**, **A. Huerre**, **C. Langevin**, **P. Leden**, **G. Le Guicher**, **F. Moyal**,
K. Nichols, **A. Panassie**, **C. Rico**, **S. Villette**
(Odontologie, Groupe Hospitalier Pitié Salpêtrière, Paris, France)
- 14:45** **S0156** Comparison of 3D Bone Characteristics of MRONJ Using 2D&3D Images.
E. Aslan*, **E. Onem**, **A. Mert**, **G. Baksi**
(Ege University School of Dentistry, Izmir, Turkey)

SCIENTIFIC PROGRAMME

DAY 1  THURSDAY, SEPTEMBER 21, 2023

15:00 **0157** Cone Beam Computed Tomography for the Identification Risk of Osteoporosis.
A. Slaidina*, **L. Krumpene**, **A. Beibakova**, **L. Neimane**, **O. Radzins**, **I. Namatevs**,
K. Sudars
(Department of Prosthodontics, Riga Stradins University, Riga, Latvia)

15:15 Discussion

 **DELPHI MEETING ROOM (SEQ#: 22)**

16:00–
18:00 **Symposium supported by KURARAY - Evidence-based adhesive bonding and luting protocols**
Chairperson: **M. Peumans**

16:00 **0159** Adhesive Bonding and Luting to Tooth Tissue.
B. Van Meerbeek*
(BIOMAT, KU Leuven, Leuven, Belgium)

16:45 **0160** Adhesive Bonding to Restorative Materials.
G. Eliades*
(National and Kapodistrian University of Athens, Athens, Greece)

17:30 Discussion

 **SALON DES ROSES A MEETING ROOM (SEQ#: 23)**

16:00–
18:00 **Symposium supported by Young CED-IADR/Colgate - Periodontitis and Periodontal Therapy: Impact Beyond the Mouth**
Chairpersons: **A. Georgiou** and **L. Parisi**

16:00 **0161** Detrimental Effects of Periodontitis on General Health: Evidence, Implications and Future Perspectives.
G. Isola*
(Department of General Surgery and Surgical Medical Specialties, University of Catania, Messina, Italy)

16:35 **0162** Inflammatory Response in Periodontal Treatment: Acute and Chronic Effects.
Y. Leira*
(Periodontology, University of Santiago de Compostela, Santiago de Compostela, Spain)

17:10 **0163** Antimicrobials in Periodontal Treatment: Ecological Effects and Risks of Resistance.
K. Scholz*
(Department of Conservative Dentistry and Periodontology, University Hospital Regensburg, Regensburg, Bavaria, Germany)

17:45 Discussion

SCIENTIFIC PROGRAMME

THURSDAY, SEPTEMBER 21, 2023 

DAY 1

SALON DES ROSES B MEETING ROOM (SEQ#: 24)

16:00–
18:00

Oral Session - Dental Materials - Implants Research

Chairpersons: **M. Rosentritt** and **N. Tagger-Green**

16:00

0164 Stress Analysis of Implant-Supported Crowns Made of Different Materials.
A. Schmid, M. Rosentritt*
(Department of Prosthetic Dentistry, University Hospital Regensburg, Regensburg, Bavaria, Germany)

16:15

S0165 Material Characterization of Surface-Modified Toughened Zirconia for Enhanced Osseointegration Potential.
W. Jacobs*, F. Zhang, J. Han, S. Castagne, J. Vleugels, B. Van Meerbeek, S.M. Čokić
(BIOMAT, Department of Oral Health Sciences, KU Leuven (University of Leuven), Leuven, Belgium)

16:30

0166 Electrochemical Characterization of Seven Commercial Dental Implants.
S. Zinelis*, W.D. Mueller, G. Eliades
(Department of Biomaterials, School of Dentistry, National & Kapodistrian University of Athens, Athens, Greece)

16:45

S0167 Accuracy Assessment Protocol of Direct Metal Laser Sintering in Prosthodontics.
L. Patekar*, B. Ovčarić, A. Catic
(Private dental office, Zagreb, Croatia)

17:00

S0168 Two-Piece Zirconia Implants with Two Various Platforms: RCCT's Preliminary Results.
Č. Oblak, S. Zarkovic Gjurin, R. Gašperšič*, P. Hrovat, T. Kobe,
(Department of Prosthodontics, Faculty of Medicine, Ljubljana, Slovenia)

17:15

S0169 Does the Integrity of Collagen Membrane Affects its Osteoconductivity?
K. Apaza Alccayhuaman*, R. Gruber
(Oral biology, Medical University of Vienna, Vienna, Austria)

17:30

0171 Immediate Implantation and Restoration in the Anterior Mandible- 8-Year Follow-up.
N. Tagger-Green*, H. Abu Rabie, L. Chaushu, S. Sz mukler-Moncler, R. Kolerman
(Periodontology and Oral Implantology, Tel Aviv University, Tel Aviv, Israel)

17:45

Discussion

NEFELI MEETING ROOM (SEQ#: 25)

16:00–
18:00

Oral Session - Cariology Research

Chairpersons: **C. Salerno** and **H. Yalçinkaya**

16:00

S0172 Comparison of Remineralizing Efficacy of Bioactive Dental Varnishes.
H. Yalçinkaya*, H. Ülker
(Department of Restorative Treatment, Selcuk University Faculty of Dentistry, Selçuklu, Konya, Turkey)

16:15

S0173 Dental Treatments Under GA on 2331 Pediatric Patients: Observational Study.
M. Quaraniello*, S. Lombardi, F. Ricci tiello, T. Cantile, A. Ricci tiello
(Department of Neuroscience, Reproductive and Oral Sciences, School of Pediatric Dentistry, University of Naples Federico II, Naples, Italy)

SCIENTIFIC PROGRAMME

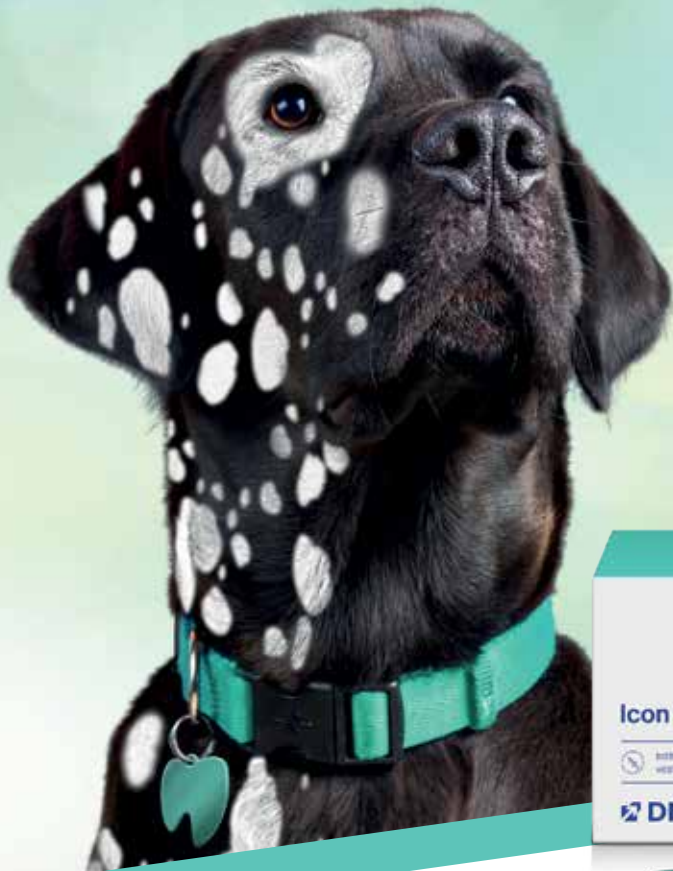
DAY 1  THURSDAY, SEPTEMBER 21, 2023

- 16:30** **S0175** Early Enamel Lesions During Fixed-Orthodontic Therapy, Systematic Review and Meta-Analysis.
C. Salerno*, **S. Cirio**, **N. Camoni**, **G. Zambon**, **G. Campus**, **M.G. Cagetti**
(Department of Restorative, Clinic for Restorative, Preventive and Pediatric Dentistry, University of Bern, Bern, Switzerland)
- 16:45** **O177** Caries Risk Assessment and Management in Europe: the CARMEN Study.
J. Frias-Bulhosa, **A. Mielczarek**, **N. Sharkov**, **P.-M. Voisin**, **J.-N. Vergnes***
(Dental Faculty, Paul Sabatier University, Toulouse, France)
- 17:00** **S0178** Fluorescent and NIR Devices in Secondary Caries Detection. a Systematic-Review.
D. Spagopoulos*, **S. Michou**, **E. Pappa**, **S. Gizani**, **C. Rahiotis**
(Operative Dentistry, National and Kapodistrian University of Athens, Athens, Attiki, Greece)
- 17:15** **S0179** Caries Originating from Impacted Third Molars and Relationship With DMFT.
M. Gurses, **G. Gurses**, **F. Kozakoğlu***
(Restorative Dentistry, Selcuk University, Faculty of Dentistry, Konya, Turkey)

 **NAFSIKA MEETING ROOM (SEQ#: 26)**

16:00–18:00 **Oral Session - Behavioural, Epidemiology and Health Services Research**
Chairpersons: **L. Ceballos** and **S. Neupane**

- 16:00** **S0180** Transition From Preclinical to Clinic: Perceived Stress of Dental Students.
I. Tas*, **M. Unal**, **E. E. Oguz**
(Prosthodontics, Usak University Faculty of Dentistry, Usak, Turkey)
- 16:15** **O181** Empathy and Professional Quality of Life Among Israeli Hygienists.
E. Gilon*, **N. Uziel**, **A. Haj**, **I. Eli**
(Department of Oral Rehabilitation, Unit of Behavioral Sciences and Medical Education, Goldshleger School of Dental Medicine, Tel-Aviv University, Tel Aviv, Israel)
- 16:30** **S0182** Impact of a Culturally Adapted Oral Health Intervention on Immigrant Parents' Perceptions.
M. Reda*, **M. Mustafa**, **A. Sen**, **A. Nordrehaug Åstrøm**
(Oral Health Center of Expertise (TK-Vestland), Bergen, Norway)
- 16:45** **S0183** Child Abuse Education Among Dental Personnel and Reporting Child Abuse.
N. Birungi*, **K. Goplerud Berge**, **A. Nordrehaug Åstrøm**, **I. Vaksdal Brattabø**
(Research Department, Oral Health Services of Western Norway, Bergen, Norway)
- 17:00** **O184** Systematic Review of Longitudinal Associations Between Oral and Mental Disorders.
S. P. Neupane*, **I. Onyeka**, **F. Daray**, **V. Bull**
(Institute of Clinical Medicine, University of Oslo, Oslo, Norway)
- 17:15** **S0185** Socio-Economic Factors and Tooth Loss in Young Adults with Periodontitis.
C. Modin*, **L. Jansson**, **A. Gustafsson**, **T. Lindberg**
(Department of Periodontology, Folk tandvården Eastmaninstitutet, Stockholm, Sweden)
- 17:30** Discussion



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The evolution of chairside zirconia – a direct path to the indirect

Friday, 22 September 2023

10:30–12:30

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**Clinical experience with
zirconia restorations:
from disc to new zirconia
block**
Prof. Carlo Monaco
Associate Professor of
Prosthetic Dentistry,
University of Modena &
Reggio Emilia, Italy



**Dental multilayer chair-
side zirconia in the focus
of fracture mechanics**
Prof. Dr.-Ing.
Ulrich Lohbauer
University of Erlangen,
Germany



Chairperson
Prof. George Eliades
Director, Department
of Biomaterials, School
of Dentistry, National &
Kapodistrian University of
Athens, Greece

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**BIO-LOGIC APPROACH TO BONE REGENERATION:
SCIENTIFIC EVIDENCE OF COLLAGENATED BIOMATERIALS**

CHAIR

PROF. IMAD ABOUT



New insights in maxillary sinus
floor elevation

PROF. DR. DANIELE BOTTICELLI

Volume regeneration in the
area of anterior maxilla

DR. DONATO ANTONACCI



22nd SEPTEMBER 2023

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SCIENTIFIC PROGRAMME

FRIDAY, SEPTEMBER 22, 2023 

DAY 2

 DELPHI MEETING ROOM (SEQ#: 28)

8:30–
10:00

Oral Session - Dental Materials - Adhesion

Chairpersons: **X. Li** and **C. Yao**

08:30

S0187 Bonding Neat Hydrophobic Resins to Etched Dentin.

O. Ismail*, **T. Stape**, **A. Tezvergil-Mutluay**

(Cariology and Restorative Dentistry, The University of Turku, Turku, Finland)

08:45

S0189 Adhesive-Resin Layer Thickness Influences Bond Strength to High C-Factor Dentin.

C. Tang*, **B. Mercelis**, **R. Ramos**, **K. Yoshihara**, **M. Peumans**, **B. Van Meerbeek**

(BIOMAT, Department of Oral Health Science, KU Leuven, Leuven, Belgium)

09:00

O190 Gelatinolytic Activity in Dentin Upon Adhesive Treatment.

X. Li*, **J. Vandooren**, **M. S. Pedano De Piero**, **J. De Munck**, **J. Perdigão**, **K. Van Landuyt**, **B. Van Meerbeek**

(Restorative Dental Sciences, Endodontics, Faculty of Dentistry, The University of Hong Kong, Hong Kong, SAR, P. R. China)

09:15

S0191 Saliva and Ferric Sulphate Contamination on Immediate Dental Sealing.

S. Okut*, **N. Cobanoglu**, **R. Oner**

(Faculty of Dentistry, Selcuk University, Konya, Turkey)

09:30

S0192 Bonding Effectiveness of New Etchants and Adhesives to Enamel/Dentin.

C. Yao*, **M. Yu**, **S. Liang**, **X. Li**, **M. Matsumoto**, **M. Ahmed**, **B. Van Meerbeek**, **C. Huang**

(The State Key Laboratory Breeding Base of Basic Science of Stomatology (Hubei-MOST) & Key Laboratory of Oral Biomedicine Ministry of Education, Wuhan University, Wuhan, China)

09:45

Discussion

 SALON DES ROSES A MEETING ROOM (SEQ#: 29)

8:30–
10:00

Oral Session - Periodontology – Oral Biofilms & Microbiome

Chairpersons: **V. Pitchika** and **W. Van Holm**

08:30

O193 Salivary Microbiome as a Periodontitis Diagnostic Biomarker Removing Batch Effects.

A. Regueira Iglesias*, **T. Blanco-Pintos**, **M. Relvas**, **M. Alonso-Sampedro**,
C. Balsa-Castro, **I. Tomás**

(Oral Sciences Research Group, Special Needs Unit, Department of Surgery and Medical-Surgical Specialties, School of Medicine and Dentistry, Universidade de Santiago de Compostela, Health Research Institute of Santiago (IDIS), Santiago de Compostela, Spain)

08:45

S0194 Using SWATH-MS to Discover New Salivary Biomarkers for Discriminating Periodontitis.

T. Blanco-Pintos*, **A. Regueira Iglesias**, **M. Relvas**, **S. Bravo-López**, **M. Alonso-Sampedro**,
C. Balsa-Castro, **I. Tomás**

(Oral Sciences Research Group, Special Needs Unit, Department of Surgery and Medical-Surgical Specialties, School of Medicine and Dentistry, Universidade de Santiago de Compostela, Health Research Institute of Santiago (IDIS), Santiago de Compostela, Spain)

09:00

O195 Influence of Gut Microbiome on Periodontitis.

V. Pitchika*, **A. Teumer**, **F. Frost**, **H. Völzke**, **B. Holtfreter**, **T. Kocher**

(Department of Restorative Dentistry, Periodontology, Endodontology and Preventive and Pediatric Dentistry, University Medicine Greifswald, Greifswald, Germany)

SCIENTIFIC PROGRAMME

DAY 2  FRIDAY, SEPTEMBER 22, 2023

- 09:15** **S0196** The Peri-Implant Tissue Levels of Bcl-2 Family Proteins.
D. Yilmaz*, M. Gursoy, U. Gursoy
(Periodontology, Sakarya University, Sakarya, Turkey)
- 09:30** **S0197** Elucidating the Pathological Properties of Gingival Fibroblast-Derived Extracellular Vesicles.
D. Diehl*, D. Plett, C.L. Brauer, H. Bachmann, A. Friedmann
(Periodontology, Witten/Herdecke University, Witten, Germany)
- 09:45** **S0198** Oral Biofilm Composition, Dissemination, and Inflammation Depend on Probiotic Strain-Specificity.
W. Van Holm*, N. Zayed, M. Kübra Aktan, N. Boon, K. Bernaerts, W. Teughels
(Oral Health Sciences, KU Leuven, Leuven, Belgium)

 **SALON DES ROSES B MEETING ROOM (SEQ#: 30)**

8:30–10:00 **Oral Session - Digital Dentistry - AI/Deep Learning**
Chairpersons: **J. Kühnisch** and **P. Lahoud**

- 08:30** **0199** Automatized Detection of Molar-Incisor Hypomineralisation (MIH) With Artificial Intelligence.
J. Kühnisch*, R. Hickel, R. Heinrich-Weltzien, M. Hesenius, O. Meyer
(Department of Conservative Dentistry and Periodontology, Ludwig-Maximilians University of Munich, Munich, Germany)
- 08:45** **S0200** Semi-Supervised Dental Deep Learning for Angle Classification.
M. Büttner*, J.E. Cejudo Grano De Oro, A. Krasowski, L.T. Arsiwala-Scheppach, F. Schwendicke
(Department of Oral Diagnostics, Digital Health and Health Services Research, Charité – Universitätsmedizin Berlin, Berlin, Germany)
- 09:00** **S0201** Model Order Reduction for Real-Time Simulation of Tooth Autotransplantation.
P. Lahoud, A. Badrou, M. Ducret, J.-C. Farges, R. Jacobs, A. Bel-Brunon, M. Ezeldeen, N. Blal, R. Richert*
(Faculty of Odontology, Lyon 1 University, Lyon, France, Lyon, France)
- 09:15** **S0202** Advancing Tooth Autotransplantation: In-Silico Modelling and Finite Element Analysis Insights.
P. Lahoud*, H. Faghian, R. Jacobs, M. Ducret, R. Richert, M. Ezeldeen
(Division of Periodontology and Oral Microbiology, Department of Oral Health Sciences, KU Leuven, Leuven, Belgium)
- 09:30** **S0203** Workflow for Augmented Reality in Endodontic Access Navigation.
E. Walter*, T. Song, U. Eck, N. Navab, R. Hickel, C. Diegritz
(Department of Conservative Dentistry, University Hospital LMU Munich, Munich, Germany)
- 09:45** **S0204** Benchmarking Federated Learning Methods for Tooth Segmentation on Panoramic Radiographs.
A. Krasowski*, L. Schneider, M. Büttner, V. Pitchika, F. Schwendicke
(Department of Oral Diagnostics, Digital Health and Health Services Research, Charité – Universitätsmedizin Berlin, Berlin, Germany)

SCIENTIFIC PROGRAMME

FRIDAY, SEPTEMBER 22, 2023 

DAY 2

NEFELI MEETING ROOM (SEQ#: 31)

8:30–
10:00

Oral Session - Oral Maxillofacial Surgery

Chairpersons: **M. Guillet** and **M. Sehat**

08:30

0205

Dental Hemostasis: Clinical Trial on Real-Life Practice.

M. Guillet*, **F. Balayre**, **J. F. Falys**, **M. Gabai**, **V. Garyga**, **M. Grammatica**, **A. Lafon**,
G. Lescaille, **H. Minassian**, **F. Pochelu**, **B. Grosogoeat**

(Service de Consultations et Traitements Dentaires, HCL Lyon – ReCOL Investigators Network, Faculté d'Odontologie, Laboratoire des Multimatériaux et Interfaces LMI UMR CNRS 5615, Université Lyon 1, Université Lyon, Tignes, France)

08:45

S0206

Endo-Sinus Bone Formation in Lateral Sinus Lift After Membrane Suturing.

I. Ari*, **C. Karaca**, **N. Er**, **M. Ocak**

(Oral and Maxillofacial Surgery, Hacettepe University, Ankara, Turkey)

09:00

S0207

Vertical Bone Deficiency Treatment Techniques: Systematic Review.

D. Şahar*, **I. Ari**, **S. Adiloğlu**, **A. Aktas**

(Oral and Maxillofacial Surgery, Hacettepe University, Ankara, Turkey)

09:15

S0209

Osteolytic Lesions Associated with Impacted Lower Third Molars: Potentially Misleading Diagnosis.

R. Gasparro*, **G. Marenzi**, **G. Sammartino**

(University of Naples Federico II, Naples, Italy)

09:30

S0210

Factors Involved in the Recurrence of Odontogenic Keratocyst: A Retrospective Analysis.

A. Aliberti*, **A.E. Di Lauro**, **G. Sammartino**

(Department of Neuroscience, Reproductive and Odontostomatological Science, University of Naples Federico II, Naples, Italy)

09:45

Discussion

NAFSIKA MEETING ROOM (SEQ#:32)

8:30–
10:00

Workshop Young CED-IADR/Kulzer - Diversifying Your Skill Set as an Early Career Researcher

Introduction: **M. Pedano De Piero**

0211

Diversifying Your Skill Set as an Early Career Researcher.

C. Farrugia*

(University Hospitals Bristol and Weston NHS Foundation Trust, Bristol Dental Hospital, Bristol, United Kingdom)

SALON DES ROSES B MEETING ROOM (SEQ#: 34)

10:30–
12:30

Oral Session - Tooth Wear Research

Chairpersons: **K. Chatzidimitriou** and **M. Dassa**

10:30

0218

Effect of Experimental Theaflavin Varnishes on Dentin Erosion.

G. Ozan*, **H. Sar Sancakli**, **S. Batu**, **M.S. Erdal**, **A. Gurbuz Yurtsever**, **A. Sengelen**,
E. Onay Ucar, **S. Ozel Yildiz**

(Faculty of Dentistry, Dept. of Restorative Dentistry, Istanbul University, Istanbul, Turkey)

SCIENTIFIC PROGRAMME

DAY 2



FRIDAY, SEPTEMBER 22, 2023

- 10:45** **S0219** The Role of Calcium in the Prevention of Dental Erosion.
K. Chatzidimitriou*, **K. Seremidi**, **D. Kloukos**, **S. Gizani**, **W. Papaioannou**
(Department of Preventive & Community Dentistry, School of Dentistry, National and Kapodistrian University of Athens, Athens, Greece)
- 11:00** **S0220** Association Between Bruxism, Chronotype, Sleep Quality Among Turkish Dental Students.
B. Yildirim, **E. Güler***, **A. Simsek Tekeli**, **O. Kirarslan Karagöz**
(Usak University Faculty of Dentistry, Usak, Turkey)
- 11:15** **S0221** Non-Carious Cervical Lesions: Experimental Spectral Loading Model.
M. Dassa*, **D. Rittel**, **R. Sarig**
(Oral Biology Department, Tel Aviv University, Tel Aviv, Israel)
- 11:30** **Q222** In-Vitro Assessment of Caries Lesion Remineralisation by μ CT and Surface-Microhardness.
B. Mahmoodi*, **M. Morawietz**, **U. McDonnell**, **S. Coomasaru**, **C. Fowler**
(Oral Health Research and Development, Haleon, Weybridge, United Kingdom)
- 11:45** **Q223** The Influence of Air-Polishing with Erythritol on Exposed Dentin.
A. Kruse*, **A.-S. Burkhardt**, **K. Vach**, **E. Hellwig**, **J. Woelber**, **N. Schlueter**, **P. Ratka-Krüger**
(Department of Operative Dentistry and Periodontology, Faculty of Medicine and Medical Center, University of Freiburg, Freiburg, Germany)
- 12:00** Discussion

 NEFELI MEETING ROOM (SEQ#: 35)

10:30–12:30 **Oral Session - Pulp Biology & Imaging**
Chairpersons: **H. Haugen** and **P. Soltani**

- 10:30** **Q224** Structural Analysis of the Pericanalar Resorption Resistant Sheet After External Cervical Root Resorption.
A. Mavridou*, **K. Yoshihara**, **S. Lin**, **P. Lambrechts**
(Endodontics, National and Kapodistrian University of Athens, Athens, Greece)
- 10:45** **Q225** Novel Nanocomputed Tomography (NanoCT) Techniques Applied to Dental Research.
H. Haugen*, **T. Hildebrand**, **L. Nogueira**
(Department of Biomaterials, University of Oslo, Oslo, Norway)
- 11:00** **Q226** Expression of Specific Ion Channels in Ageing of Human Odontoblasts.
N. Manchorova*, **M. Manolova**, **M. Guenova**, **D. Keskinova**
(Operative Dentistry and Endodontics, Medical University, Faculty of Dental Medicine, Plovdiv, Bulgaria)
- 11:15** **S0227** Matrix-Based Oral Tissue Grafts: 3D-Printing of Bioarrays for Tissue Regeneration.
I. Redenski*, **A. Zigron**, **R. Fadoul**, **S. Srouji**
(Department of Oral & Maxillofacial Surgery, Bar-Ilan University & Galilee Medical Center, Nahariya, Israel)

SCIENTIFIC PROGRAMME

FRIDAY, SEPTEMBER 22, 2023  DAY 2

- 11:30 **S0228** Implant Material and Performance of Metal-Artifact Reduction in CBCT Images.
M. Cernera*, **P. Soltani**, **H. Devlin**, **A. Moaddabi**, **S. Naghdi**, **G. Spagnuolo**
(University of Naples "Federico II", Naples, Italy)
- 11:45 **0229** Clinical Use of CBCT in Western Norway.
M. Vollan, **L. Hasselgren**, **X.-Q. Shi**, **M. Jonsson***
(Clinical Dentistry – Oral and Maxillofacial Radiology, University of Bergen, Bergen, Vestland, Norway)
- 12:00 **S0230** CBCT to Quantify Maxillary Changes After Secondary Alveolar Bone Grafting.
B. Khalil*, **R. Jacobs**, **T. Regnstrand**
(Department of Dental Medicine, Karolinska Institute, Stockholm, Huddinge, Sweden)
- 12:15 **0231** Metal Artifact Reduction for Detecting Implant-Related Injuries to Mandibular Canal.
P. Soltani*, **H. Devlin**, **K. Baghaei**, **M. Etemadi**, **G. Spagnuolo**
(University of Naples "Federico II", Naples, Italy)

 **NAFSIKA MEETING ROOM (SEQ#:36)**

10:30–12:30 **Workshop Young CED-IADR/Kulzer - Digital Personal Branding & Academia**
Introduction: **M. Pedano De Piero**

0232 Digital Personal Branding & Academia.
F. Graziani*
(University of Pisa, Pisa, Italy)

 **DELPHI MEETING ROOM (SEQ#: 37)**

10:30–12:30 **Symposium supported by Ivoclar Vivadent – The Evolution of Chairside Zirconia – A Direct Path to the Indirect**
Chairperson: **G. Eliades**

- 10:30 **0212** Dental Multilayer Chairside Zirconia in the Focus of Fracture Mechanics.
U. Lohbauer*, **R. Belli**
(Dental Clinic 1 – Operative Dentistry and Periodontology, Friedrich-Alexander University Erlangen-Nuremberg, Erlangen, Germany)
- 11:05 **0213** Facing the Challenges of Graded Zirconia for Single Visit Treatments.
F. Rothbrust*
(R&D, IVOCLAR, Liechtenstein, Liechtenstein)
- 11:40 **0214** Clinical Experience with Zirconia Restorations: From Disc to New Zirconia Block.
C. Monaco*
(University of Modena & Reggio Emilia (Unimore), Modena, Italy)
- 12:15 Discussion

SCIENTIFIC PROGRAMME

DAY 2  FRIDAY, SEPTEMBER 22, 2023

 SALON DES ROSES A MEETING ROOM (SEQ#: 37)

10:30–12:30 **Symposium supported by OsteoBiol by Tecnos - Bio-logic Approach to Bone Regeneration: Scientific Evidence of Collagenated Biomaterials**
Chairperson: I. About

10:30 **0215** Volume Augmentation in the Esthetic Area.
D. Antonacci*
(ThinkBiologic Research Team – Department of Surgical Sciences (DISC), Division of Prosthodontics and Implant Prosthodontics, University of Genoa, Genoa, Italy)

11:20 **0216** New Insights in Maxillary Sinus Floor Elevation.
D. Botticelli*
(Specialist in General Surgery, Modena, Italy)

12:10 Discussion

 POSTER HALL (SEQ#: 39)

12:00–13:00 **Poster Session Day 2**

BEHAVIOURAL, EPIDEMIOLOGIC AND HEALTH SERVICES RESEARCH

0233 Caries or Malocclusion: Which Came First?
A. R. Jordan*, K. Kuhr, N. Frenzel Baudisch
(Institute of German Dentists (IDZ), Cologne, Germany)

0234 The MoBaTooth Biobank: A Resource for Investigating Early-Life Exposures.
S. Jensen, M. Bratteberg*, K. Klock
(Department of Clinical Dentistry, University of Bergen, Bergen, Norway)

CARIOLOGY RESEARCH

0235 Enamel Remineralization – a Comparative in Situ and in Vitro Study.
M. Morawietz*, J. Lentz, T. Schiffner, A. Jablonski-Momeni, A. Kiesow
(Fraunhofer Institute for Microstructure of Materials and Systems, Halle (Saale), Germany)

0236 Enamel Surface Remineralisation Enhancement with Peptide Gels.
C. Sarosi*, M. Moldovan, I. Petean, D. Prodan, S. Cuc, L.M. Rusu, N. Ilie, A. Muntean
(Polymeric Composites, Babes Bolyai University, Cluj-Napoca, Cluj, Romania)

0237 Incorporation of Zinc Element in Suspended Collagen and Whole Dentin.
P. Lingström*, Y. Ishizuka, A. Lehrkinder, U. Almhöjd
(Cariology, Odontology, Gothenburg, Sweden)

0238 Effect of Bioactive Materials on Enamel Susceptibility to Erosion.
D. Dionysopoulos*, K. Karaoulani, P. Kouros, K. Tolidis
(Department of Operative Dentistry, Aristotle University of Thessaloniki, Thessaloniki, Greece)

SCIENTIFIC PROGRAMME

FRIDAY, SEPTEMBER 22, 2023  DAY 2

S0239 Effects of Bioactive Materials on Dentin Protease Activity.
M. Capitano*, **I. Salim**, **R. Seseogullari-Dirihan**, **M. Mutluay**, **A. Tezvergil-Mutluay**
(University of Turku, Turku, Finland)

0240 Structural Pathobiology of Cervical Wear by Robot-Simulated 3-Year Toothbrushing.
K. Wilke*, **S. Nietzsche**, **M. Hemmleb**, **R. Varghese**, **T. Lang**, **P. Gaengler**
(ORMED - Institute for Oral Medicine at the University of Witten/Herdecke, Witten, Germany)

CLINICAL AND TRANSLATIONAL SCIENCE NETWORK

0242 Management of Dental Fluorosis: A Case Report.
P. Thanyakoop*
(Department of Restorative Dentistry, Khon Kaen University, Khon Kaen, Thailand)

DIAGNOSTIC SCIENCES

0243 Detection of Proximal Caries Using NIRR From 1050 to 1550nm.
K. Heck*, **K.-H. Kunzelmann**, **R. Hickel**, **F. Litzemberger**
(Department of Conservative Dentistry, University Hospital, LMU Munich, Munich, Germany)

0244 Caries Detection in Anterior Teeth Using Lateral NIRT at 1300nm.
L. Benz*, **E. Walter**, **K.-H. Kunzelmann**, **R. Hickel**, **F. Litzemberger**, **K. Heck**
(Department of Conservative Dentistry, University Hospital, LMU Munich, Munich, Germany)

MINERALIZED TISSUE

0245 Three-Dimensional (3D) Morphological Properties of Local Cementocellular Networks.
Z. Lohinai*, **E. Vaszine Szabo**, **G. Gerber**, **M. Bako**, **J. Vag**, **C. Korom**, **I. Stuber**
(Department of Restorative Dentistry and Endodontics, Semmelweis University, Budapest, Hungary)

ORAL HEALTH RESEARCH

0246 Dental Whitening Effect of a Chewing-Gum with Solely E132.
C. Perra*, **P.F. Porciani**, **S. Grandini**
(University of Siena, Siena, Italy)

SALIVARY RESEARCH

S0247 Caries Experience in Subjects With Dry Mouth-Related Conditions.
I. Stankeviciene*, **L. Stangvaltaite-Mouhat**, **D. Mieliauskaite**, **R. Bendinskaite**,
A. Puriene
(Vilnius University, Vilnius, Lithuania)

PAEDIATRIC ORAL HEALTH RESEARCH

S0248 Different Treatment Strategies with Mineral Trioxide Aggregate in Children.
D. Demiroglu*, **F. Eren Giray**, **B. Sen Yavuz**, **M. Peker**
(Pediatric Dentistry, Marmara University, Istanbul, Turkey)

S0249 Intraosseous Anesthesia in Pediatric Dentistry: Split-Mouth Randomized Clinical Trial.
A. Dermata*, **S. Papageorgiou**, **N. Dabarakis**, **A. Arhakis**, **K. Arapostathis**
(Paediatric Dentistry, Aristotle University of Thessaloniki, Thessaloniki, Greece)

SCIENTIFIC PROGRAMME

DAY 2



FRIDAY, SEPTEMBER 22, 2023

S0251 Oral Findings of Jacobsen Syndrome: A Case Report.

I. Guntut*, E. Haznedaroglu

(Pediatric Dentistry, Marmara University, Istanbul, Turkey)

ORTHODONTICS RESEARCH

S0252 Monomer Conversion of Orthodontic Adhesive Under Brackets of Various Kinds.

E. Mäkinen*, A. Suominen, J. Varrela, P. Vallittu

(Department of Oral Development and Orthodontics, Institution of Dentistry, University of Turku, Turku, Finland)

0253 Effect of Retainer Stiffness and Tooth Resilience on Force Transmission and Force Distribution.

S. Hetzler*, S. Rues, P. Rammelsberg, C. Lux, C. Roser

(University Hospital Heidelberg, Heidelberg, Germany)

0254 Pain Experience of Adolescents in Orthodontic Treatment with Fixed Appliances.

E. Markovic, B. Petrovic, M. Stosic, I. Scepan, T. Peric*

(School of Dental Medicine, University of Belgrade, Belgrade, Serbia)

0255 Survey of Hygiene Procedures for Patients Wearing Removable Orthodontic Appliances.

C. Charavet*, P. Autuoro, M.-F. Bertrand, L. Lupi

(Université Côte d'Azur, Nice, France)

DENTAL MATERIALS - CERAMIC-BASED MATERIALS

0256 Quantitative Wear Analysis of Ceramic Inlays/Onlays After 14 Years.

M. Taschner*, L. Berger, D. Bäuerle, E. Maier, R. Matta

(Dental Clinic 1, University Clinic Erlangen, Erlangen, Germany)

0257 Functionalization of Cellulose Nanocrystals for Incorporation in Resin Composites.

A. Ionescu*, B. La Ferla, L. Zoia, V. Laghezza, E. Brambilla

(Biomedical, Surgical, and Dental Sciences, University of Milan, Milan, Italy)

DENTAL MATERIALS - POLYMER-BASED MATERIALS

0258 Intraoral Repolishing Affects Surface Roughness of Ceramic and Resin-Composite Materials.

A. Petropoulou, A. D. Vrochari, E. Pappa*, M. Dimitriadi, S. Zinelis

(School of Dentistry, National and Kapodistrian University of Athens, Athens, Greece)

S0259 Additive Manufacturing of Polyester-Based Biomaterials to Design Piezoelectric Osteoconductive Devices.

P. Burel, S. Alix, M. Ragoubi, P. Millet*, R. Gattin

(Université Reims Champagne-Ardenne, Reims, France)

0260 Color Characteristics of One Shade Composites After Photoaging.

A. Petropoulou*, M. Dimitriadi, S. Zinelis, G. Eliades

(Biomaterials, School of Dentistry, National & Kapodistrian University of Athens, Athens, Greece)

SCIENTIFIC PROGRAMME

FRIDAY, SEPTEMBER 22, 2023  DAY 2

0261 In Vitro Properties of Commercial Prefabricated Fiber Reinforced Root Canal Posts.
R. Prinssi*, **L. Lassila**, **E. Säilynoja**
(Stick Tech Ltd – Member of GC Group, Turku, Finland)

S0262 Load-Bearing Capacity of Short-Fiber Composite and Glass Ceramic Partial Dentures.
E. Mangoush*, **S. Garoushi**, **P. Vallittu**, **L. Lassila**
(Department of Biomaterials Science, The University of Turku, Turku, Finland)

0263 Efficacy of Experimental Enzyme Agents on the Restorative Composites.
M. Moldovan*, **A. Moldovan**, **C. Sarosi**, **S. Cuc**, **D. Prodan**, **I. Petean**, **A. Ionescu**,
A. Muntean
(Polymeric Composites, Babes Bolyai University, Cluj-Napoca, Cluj, Romania)

DENTAL MATERIALS - METAL-BASED MATERIALS AND OTHER MATERIALS

0264 Surface Treatment of Titanium Alloy for Bonding to Composite Resin.
R. Tayefeh Davaloo, **M. Ghavami-Lahiji**, **S. Azizi**, **S. Mihandoust***,
H. Ebrahimi-Najafabadi
(Dental Sciences Research Center, School of Dentistry, Guilan University of Medical Sciences, Rasht, Iran (the Islamic Republic of))

DENTAL MATERIALS - ADHESION

0265 Adhesion to Dentin Contaminated with Ammonium Polyfluoride.
A. Limvisitsakul, **T. Likhithaworn**, **S. Kaophun**, **P. Pongprueksa***
(Department of Operative Dentistry and Endodontics, Faculty of Dentistry, Mahidol University, Bangkok, Thailand)

0266 Filler Addition Influences the Strength of Adhesive Resin.
C. Tang, **B. Mercelis**, **F. Zhang**, **C. Mocquot**, **K. Nakanishi***, **K. Yoshihara**, **M. Peumans**,
B. Van Meerbeek
(BIOMAT, Department of Oral Health Sciences, KU Leuven, Leuven, Belgium)

0267 Bond Strength of Various Resin Cements to Metals.
G. Raia, **R. Hecht**, **M. Salex**, **C. Chomyn**, **E. Mecher***
(3M Oral Care, Seefeld, Germany)

0268 Influence of Adhesion Strategy on Composite Bond Strength to Biodentine.
N. Escribano*, **E. Baena**, **V. Fuentes**, **L. Ceballos**
(IDIBO Research Group, Universidad Rey Juan Carlos, Alcorcón, Madrid, Spain)

S0269 Occlusal Veneers and Load-Bearing Capacity of Restored Tooth.
T. Yli-Urpo*, **L. Lassila**, **P. Vallittu**, **T. Närhi**
(Institute of Dentistry, University of Turku, Turku, Finland)

DENTAL MATERIALS - BIOCOMPATIBILITY, BIOENGINEERING AND BIOLOGIC EFFECTS OF MATERIALS

S0270 The Effect of Experimental Nanohydroxyapatite on Enamel Surface After Bleaching.
A. Tunç Dicle*, **E. Eligüzeoglu Dalkilic**
(Restorative Dentistry, Bezmialem Vakif University Faculty of Dentistry, Istanbul, Turkey)

SCIENTIFIC PROGRAMME

DAY 2  FRIDAY, SEPTEMBER 22, 2023

S0271 Are Fast-Setting Calcium Silicate Cements Biocompatible with Vital Pulp Therapy?

J.r. Ye*, Y. Jung, S.H. Park, Y.K. Chae, K.E. Lee, H.-S. Lee, S.C. Choi, O.H. Nam

(Department of Pediatric Dentistry, School of Dentistry, Kyung Hee University, Seoul, Korea (the Republic of))

S0272 In-Vitro Bulk-Fills Composites Genotoxicity.

C. Junqueira, P. Mascarenhas, A.c. Ribeiro, I. Barahona*

(Molecular Biology Laboratory, CiiEM, Egas Moniz School of Health and Science, Almada, Portugal)

S0273 Fluoride-Containing Calcium-Phosphates: In Vitro Cytotoxicity Evaluation on HDPSCs.

M. Maglitto*, F. Iaculli, S. Rengo, G. Spagnuolo, S. Sauro, C. Del Giudice

(Department of Neuroscience and Reproductive and Odontostomatological Sciences, University of Naples "Federico II", Naples, Italy)

S0274 Experimental Investigation of the Cytotoxicity of Nitinol Dental Alloy.

M. Milicic Lazic*, M. Lazarević, M. Jakšić Karišik, K. Radović, B. Dzeletović

(Department of Prosthodontics, School of Dental Medicine, Belgrade, Serbia)

DENTAL MATERIALS - INSTRUMENTS AND EQUIPMENT

S0275 The Effect of Current Finishing and Polishing Systems on the Surface Roughness of Different Resin Composites.

A. Terzi*, T. Sarikaya, C. Atalay, S. Gürkan

(Department Of Restorative Dentistry, Hacettepe University, Ankara, Turkey)

DENTAL MATERIALS - COLOUR AND APPEARANCE (AESTHETICS)

S0276 Effectiveness of Laser-Assisted Bleaching Using Er,Cr:YSGG Laser: Split-Mouth Clinical Study.

A. Tsaltampasi*, D. Dionysopoulos, D. Strakas, E. Koumpia, C. Papadopoulos, P. Kouros, K. Tolidis

(Department of Operative Dentistry, Faculty of Dentistry, Aristotle University of Thessaloniki, Thessaloniki, Greece)

S0277 The Effect of Three Desensitizing Powders on Bleaching Efficacy.

I. Memis*, D. Dionysopoulos, S. Davidopoulou, K. Tolidis

(Department of Operative Dentistry, Dental School of Aristotle University of Thessaloniki, Greece, Thessaloniki, Greece)

S0278 Effect of Mouthrinses on Color Stability of Bioactive Restoratives.

S. Akyuz*, E. Aybek, A. Yuksel, C. Atalay, E. Ergin, A. R. Yazici

(Restorative Dentistry Department, Hacettepe University, Ankara, Turkey)

S0279 Effect of Minimal Invasive Applications on Various Discolored Composite Materials.

G. Ozan, E. Yildiz, C. E. Yavuz*, C. N. Kaynak, A. I. Cetin

(Restorative Dentistry, Istanbul University, Istanbul, Turkey)

DENTAL MATERIALS - CLINICAL TRIALS

S0280 Oral Rehabilitation of a Patient with Dandy-Walker Syndrome: a Case-Report.

B. Kesim*, E. Öztürk

(Department of Restorative Dentistry, Hacettepe University, Ankara, Ankara, Turkey)

SCIENTIFIC PROGRAMME

FRIDAY, SEPTEMBER 22, 2023  DAY 2

S0281 The Occlusal Stamp Technique: A Case Series.

M. Agartioglu*, **M. Türkün**

(Department of Restorative Dentistry, Ege University School of Dentistry, Izmir, Turkey)

DIGITAL DENTISTRY RESEARCH NETWORK

S0282 Trueness of Two Intraoral Scanners Measured by a Novel Method.

D. Borbola*, **J. Vág**

(Department of Restorative Dentistry and Endodontics, Semmelweis University, Budapest, Hungary)

ORAL HEALTH RESEARCH

S0283 Phantom Taste Before and After Removal of Amalgam Restorations.

L. Björkman*, **T.L. Berge**, **B. Lundekvam**, **A. Bergstø**

(Dental Biomaterials Adverse Reaction Unit, NORCE, Bergen, Norway)

S0284 Adverse Reaction Reports Related to Occlusal Splints.

A. Bergstø*, **T.L. Berge**, **B. Lundekvam**, **A. Aliko**, **L. Björkman**

(Dental Biomaterials Adverse Reaction Unit, NORCE, Bergen, Norway)

PROSTHODONTICS

S0285 Oral Hygiene Benefits of a Toothpaste-Mouthwash-Cleanser Combination in Partial-Denture Wearers.

G. Burnett*, **J. Seong**, **J. Creeth**, **E. Sanchez**, **M. Araga**, **N. West**

(Haleon, Weybridge, United Kingdom)

S0286 Haptics as an Educational and Training Tool in Prosthetic Dentistry.

D. Symeonidis*, **E. Dimitriadou**, **C. Hadjichristou**

(School of Dentistry, European University Cyprus, Nicosia, Cyprus)

PULP BIOLOGY AND REGENERATION

S0287 Establishing a Protocol for the Cultivation of Pulp-Organoids From DPSC.

E. Ohlsson*, **I. Prots**, **E. Gerasimova**, **S. Proksch**, **K. Galler**

(Department of Restorative Dentistry and Periodontology, University Hospital and University of Erlangen-Nuremberg, Erlangen, Germany)

S0289 Managing Complicated Crown Fracture and Lateral Luxation: A Case Report.

C. Çelik Yalçın*, **A. Çelikkol**, **B. Çelikkol**, **S. Güler**

(Endodontics, Usak University, Usak, Turkey)

STEM CELL BIOLOGY

S0290 R9 - Newly Developed Fluorescent Dye Tested on SCAP.

M. Miteva*, **A. Vasilev**, **M. Kandinska-Vasileva**, **M. Micheva**, **K. Kercheva**

(Medical Chemistry and Biochemistry, Medical University Sofia, Sofia, Bulgaria)

S0291 Comparison of Long Term Proliferation Profiles of DPSCs and BMSCs.

V. Mitev*, **Z. Mihaylova**, **M. Miteva**, **N. Ishkitiev**

(Medical University - Sofia, Sofia, Bulgaria)

SCIENTIFIC PROGRAMME

DAY 2  FRIDAY, SEPTEMBER 22, 2023

ORAL AND MAXILLOFACIAL SURGERY

S0292 Evaluation of Platelet Rich Fibrin Efficacy in Bone Regeneration After Apical Surgery.
A. Karkle*, Z. Bokvalde, L. Neimane
(Department of Conservative Dentistry and Oral Health, Riga Stradins University, Riga, Latvia)

S0293 Does Apical Resection Affect the Pulp Sensibility of Adjacent Teeth?
M.b. Akbulut*, D. Menziletoglu, A.Y. Guler, S.N. Mutlu
(Department of Endodontics, Necmettin Erbakan University, Konya, Turkey)

CRANIOFACIAL BIOLOGY

S0294 Association of Proinflammatory Gene Polymorphisms with Pain-Related Temporomandibular Disorder.
M. Zlendić*, E. Vrbanović, M. Tomljanovic, K. Gall Troselj, K. Vukovic Derfi, I. Z. Alajbeg
(Department of Removable Prosthodontics, School of Dental Medicine University of Zagreb, Zagreb, Croatia)

0295 PTH1R Variants and Molecular Causes for Primary Failure of Eruption.
M. Weider*, T. Taraba, G. Rodrian, M. Hofmeister, I. Willershausen, L. Gölz
(Zahnklinik 3 - Kieferorthopädie, Universitätsklinikum Erlangen and Friedrich-Alexander-Universität Erlangen-Nürnberg, Erlangen, Germany)

0296 Opiorphin Release After Capsaicin Stimulation with Respect to Genotypes of Opiorphin Gene.
I. Alajbeg*, I. Orabović, K. Naka, A. Mrla, E. Vrbanović, M. Zlendić, I. Alajbeg, Y. Boucher
(Department of Removable Prosthodontics, School of Dental Medicine, University of Zagreb, Zagreb, Croatia)

INTERNATIONAL NETWORK FOR OROFACIAL PAIN AND RELATED DISORDERS METHODOLOGY

0297 COVID-19 and Temporomandibular Disorders - Comparison of 3 Time Periods.
A. Emodi-Perلمان*, I. Eli, O. Winocur-Arias, T. Shalev-Antsel, P. Friedman-Rubin
(Oral Rehabilitation, Tel-Aviv university dental school, Tel-Aviv, Israel)

ORAL AND MAXILLOFACIAL SURGERY

0298 Improvement of Postoperative Third Molars Surgery Through Low Level Laser Therapy.
S. D'agostino, A. Ben'mhamed, G. Valentini, E. Ferrara, M. Dolci*
(Dept of Medical, Oral and Biotechnological Sciences, University G. d'Annunzio, Chieti, Italy)

0299 The Effects of Doxycycline on Lip Wound Healing in Rats.
A. Moaddabi*, P. Soltani, G. Spagnuolo
(Mazandaran University of Medical Sciences, Sari, Iran (the Islamic Republic of))

ORAL MEDICINE AND PATHOLOGY

S0300 Microbiological Findings in Septic Patients of the Helsinki University Hospital.
S. Hotti*, R. Pajukanta, J. Helenius-Hietala, A. Järvinen, J. Furuholm, V. Rita, J. Meurman, H. Välimaa, H. Ruokonen
(Department of Oral and Maxillofacial Diseases, Helsinki University Hospital and University of Helsinki, Helsinki, Finland)

SCIENTIFIC PROGRAMME

FRIDAY, SEPTEMBER 22, 2023  DAY 2

PERIODONTAL RESEARCH

0301 Does Systemic Inflammation Mediate Associations Between Gut Microbiome and Periodontitis?

B. Holtfreter*, V. Pitchika, A. Teumer, F. Frost, H. Völzke, T. Kocher

(Department of Restorative Dentistry, Periodontology, Endodontology and Preventive and Pediatric Dentistry, University Medicine Greifswald, Greifswald, Germany)

S0302 Prevalence of Periodontitis in 70-Years Old in Western Norway.

H. Zein Elabdeen*, E. Berggreen, K.H. Jensen, S.F. Kvalheim, L. Hasselgren, A.I. Bolstad, D. Bunæs

(Oral Health Centre of Expertise in Western Norway, Bergen, Norway)

S0303 Impact of Red Complex Pathobionts on the Maturation of Osteoclast-Like Cells.

A. Beklen*, M. Allippara, K. Nurmi, P. Pussinen, M. Ainola, K.K. Eklund

(University of Helsinki, Helsinki, Finland)

0304 Effectiveness of 940-nm Diode-Laser on Periodontal Parameters in Chronic Periodontitis.

A. Seyed-Monir, S. Mihandoust*

(Guilan University of Medical Sciences, Rasht, Iran (the Islamic Republic of))

0305 Multidimensional (3D) Customized Scaffolds for Bone Regeneration in Periodontal Patients.

P. Karakostas*, S. Davidopoulou, L. Batas, M. Dimitriadi, L. Tsalikis

(Preventive Dentistry, Periodontology and Implant Biology, Aristotle University of Thessaloniki, Thessaloniki, Central Macedonia, Greece)

0306 Leveraging Human Oral-Derived Neural Crest-Derived Stem Cell Homing.

W. Grimm*, T. Fritsch, M. Vukovic

(Periodontology, University of Witten/Herdecke, Witten, NRW, Germany)

S0307 Proteomic Analysis of Gingival Cell-Secretomes from Healthy and Periodontitis Patients.

A. K. Smedås*, L. Paris, N. Al-Sharabi, M. Sanz, K. Mustafa, D. Bunæs, S. Shanbhag

(Department of Clinical Dentistry, University of Bergen, Bergen, Norway)

DIAGNOSTIC SCIENCES

S0308 Evaluation of Mandibular Trabecular Bone Structure in Ankylosing Spondylitis Patients.

M. Tassoker Bulut*, M. Gulec

(Oral and Maxillofacial Radiology, Necmettin Erbakan University, Konya, Turkey)

IMPLANTOLOGY

0309 Immediate Loading of Dental Implants: a Nine-Year Randomized Clinical Study.

J. Kostunov*, R. Menzel, J. Bermejo, P. Rammelsberg, N. Giannakopoulos, S. Kappel

(Department of Prosthodontics, University Hospital Heidelberg, Heidelberg, Germany)

SCIENTIFIC PROGRAMME

DAY 2



FRIDAY, SEPTEMBER 22, 2023

MICROBIOLOGY/IMMUNOLOGY

- S0310** Copper Nanoparticles Have Differential Effect on Supragingival Oral Bacteria.
D. Bravo*, **N. Oetiker**, **J. Pérez-Donoso**
(Universidad Andrés Bello, Santiago, Chile)

EDUCATION RESEARCH

- S0311** Dental Trauma Knowledge in Public Dental Services: Need for Updating.
A. Cvijic*, **M. Kvernenes**, **A. Nordrehaug Åstrøm**, **G. Tsilingaridis**, **A. Bletsa**
(The Oral Health Centre of Expertise in Western Norway, Bergen, Norway)
- S0312** Empathy of 4th Year Dental Students in Cote d'Azur University.
M. Ndoye*, **M.-F. Bertrand**, **G. Maille**, **B. Ventelou**, **L. Lupi-Pegurier**
(Université Cote d'Azur, UFR Odontologie, Nice, France)

SALON DES ROSES B MEETING ROOM (SEQ#: 43)

13:30–
15:30

Oral Session - Dental Materials - Biocompatibility

Chairpersons: **B. Longhi** and **R. Wu**

13:30

- S0320** Biomimetic Engineered Osteoinductive Scaffold: In Vivo and in Vitro Study.
B. Longhi*, **A. Fiorino**, **R. Tiribuzi**, **C. Rengo**, **L. Esposito**, **G. Spagnuolo**
(University of Turin, Turin, Italy)

13:45

- S0321** Effect of Silver Fluoride on Elastic Modulus and MMP Activity.
M. Uctasli*, **R. Seseogullari-Dirihan**, **A. Tezvergil-Mutluay**
(Department of Restorative Dentistry and Cariology, Adhesive Dentistry Research Group, Institute of Dentistry, University of Turku, Turku, Finland)

14:00

- S0322** Osteogenic Potential of a New Collagenated Bone Substitute.
J.-H. Catherine*, **T. Giraud**, **R. Lan**, **C. Jeanneau**, **I. About**
(Aix Marseille University Centre National de la Recherche Scientifique, Institut des Sciences du Mouvement, Marseille, France)

14:15

- S0323** Analysis of Functional Chewing Patterns Using Machine Learning – a Pilot Study.
N. Nordblom*, **A. Merlo**, **M. Büttner**, **A. Chaurasia**, **L. Schneider**, **M. G. Piancino**, **F. Schwendicke**
(Department of Oral Diagnostics, Digital Health and Health Services Research, Charité – Universitätsmedizin, Berlin, Germany)

14:30

- S0325** HPMC Mucoadhesive Films: a New Antifungal Drug Delivery System.
R. Wu*, **N. Karpukhina**, **M. Alhallak**, **A. Stephen**, **N. Seoudi**, **M. Patel**
(Barts and the London School of Medicine and Dentistry, Queen Mary University of London, London, United Kingdom)

14:45

- S0326** Different Bone Substitutes Elicit Diverse Responses from Bone Marrow.
R. Kolerman*, **N. Tagger -Green**
(Department of Periodontology and Oral Implantology, The Maurice and Gabriela Goldschleger School of Dental Medicine, Tel-Aviv University, Tel-Aviv, Israel)

SCIENTIFIC PROGRAMME

FRIDAY, SEPTEMBER 22, 2023  DAY 2

15:00 **0327** Wear, Mechanical and Chemical Properties of Castor Oil Toothbrush Bristles.
D. Kaisarly*, **L. Heusinger**, **M. El Gezawi**, **M. Draenert**
(Department of Conservative Dentistry and Periodontology, LMU Munich, Munich, Germany)

15:15 Discussion

 NEFELI MEETING ROOM (SEQ#: 44)

13:30–
15:30 **Oral Session - Geriatric Oral Research**

Chairpersons: **E. Calabria** and **B. Evlice**

13:30 **S0328** Institutionalized Elderly's Dentition and Its Association to Their Masticatory Performance.
A. C. Samiou*, **A. Bakopoulou**, **T. Slini**, **V. Anastassiadou**, **M. Kokoti**
(University of Greifswald, Greifswald, Germany)

13:45 **S0329** Oral-Health Related Quality of Life (OHQoL) in Cognitive Impairment Patients.
E. Calabria*, **N.G. Armogida**, **L. Esposito**, **F. Iaculli**, **D. Adamo**, **G. Spagnuolo**
(University of Naples Federico II, Naples, Italy)

14:00 **0330** Does Periodontitis Affect the Impact of Biological Aging on Mortality?
A. Li*, **S. Xu**
(Department of Periodontology, Stomatological Hospital, Southern Medical University, Guangzhou, China)

14:15 **S0331** Older With Cognitive Impairment Improves Oral Health Using Powered Toothbrush.
J. Flyborg*, **S. Renvert**, **P. Anderberg**, **J. Sanmartin-Berglund**
(Department of Health, Blekinge Institute of Technology, Karlskrona, Sweden)

14:30 **S0332** Periodontitis Associates with Need for Hospitalization Later in Life.
A. Meurman-Pawli*, **F. Frankenhaeuser**, **H. Källmen**, **J. Meurman**, **B. Söder**
(Medicine, Riga Stradins University, Riga, Latvia)

14:45 **0333** Diet-Related Aging Mediates the Association Between Chewing Capacity and Mortality.
M. Du*
(Department of Oral Implantology, School and Hospital of Stomatology, Shandong University, Jinan, China)

15:00 **0334** Effect of DM1 on TMJ and Dentofacial Morphology: A CBCT-Analysis.
B. Evlice*, **H. Duyan Yuksel**, **A. Evlice**, **A. Koc**
(Dentomaxillofacial Radiology, Cukurova University, Faculty of Dentistry, Adana, Turkey)

15:15 Discussion

SCIENTIFIC PROGRAMME

DAY 2  FRIDAY, SEPTEMBER 22, 2023

 **NAFSIKA MEETING ROOM (SEQ#: 45)**

13:30–15:30 **Oral Session - Diagnostic Science**
Chairpersons: **A. Mitsea and I. Ongun**

- 13:30** **S0335** Gender Estimation by Odontological Methods in Forensics. a Systematic Review.
K. Briamatou*, N. Christoloukas, A. Mitsea, C. Angelopoulos
(Oral Diagnosis And Radiology, National & Kapodistrian University Of Athens, Athens, Greece)
- 13:45** **S0336** Mandibular 2nd Premolar Agenesis and Condition of Retained Primary Molars.
D. Meistere*, L. Neimane
(Department of Conservative Dentistry and Oral Health, Riga Stradins University, Riga, Latvia)
- 14:00** **S0337** Fractal Dimension Analysis in Patients with Familial Mediterranean Fever.
N. Ersan, B. Ozel*
(Endodontics, Yeditepe University, Istanbul, Turkey)
- 14:15** **S0338** Dental Age Estimation in Greek Subadults Based on London Atlas.
A. Mitsea*, N. Christoloukas, A. Rontogianni, C. Angelopoulos
(Oral Diagnosis And Radiology, School Of Dentistry, National & Kapodistrian University of Athens, Athens, Greece)
- 14:30** **S0339** Prevalence of Zygomatic Air Cell Defects in a Turkish Subpopulation.
E. Çelebi*, M. Özçe, E. Özcan
(Oral and Maxillofacial Radiology, Bahçeşehir University, Istanbul, Turkey)
- 14:45** **S0340** Evaluation of the Prevalence of Retention Pseudocyst Using Panoramic Radiography.
I. Ongun*, A. Türkmenoğlu, S. Evirgen
(Dentomaxillofacial Radiology, Usak University, Usak, Turkey)
- 15:00** **S0341** Validity of Diagnosis and Dentist's Treatment Preferences for Enamel Defects.
B. Kharbot*, S. Paris, A. Shimaoka, M. Cebula, F. Schwendicke, S. Effenberger
(Department of Operative, Preventive and Pediatric Dentistry, Charité - Universitätsmedizin Berlin, Berlin, Germany)
- 15:15** Discussion

 **SALON DES ROSES A MEETING ROOM (SEQ#: 46)**

13:30–15:30 **Symposium supported by DMG - Demarcated Opacities of the Enamel – Current Scientific Knowledge and Clinical Strategies**
Chairperson: **C. Bonifácio**

- 13:30** **S0317** Clinical Diagnosis and Review of Treatment Options.
M. J. Wicht*
(University of Köln, Cologne, Germany)
- 14:05** **S0318** Qualitative Impact on Patients and Managing Patients Expectations.
S. Effenberger*
(Charité - Universitätsmedizin Berlin, Berlin, Germany)

SCIENTIFIC PROGRAMME

FRIDAY, SEPTEMBER 22, 2023 

DAY 2

14:40 **0319** AI Supported Detection, Discrimination and Cost Effectiveness of Treatments.
F. Schwendicke*
(Charité - Universitätsmedizin Berlin, Berlin, Germany)

15:15 Discussion

 DELPHI MEETING ROOM (SEQ#: 47)

13:30–
15:30 **Symposium supported by Oral-B - Periodontitis - a Disruptor for Both a Sound Mind and Healthy Body**
Chairperson: W. Papaioannou

13:30 **0314** Which Is the Evidence Behind the Association Between Periodontitis and Depression?
E. Figuero*
(University Complutense of Madrid, Madrid, Spain)

14:05 **0315** What is the Evidence Linking Periodontitis to Diabetes and Cardiovascular Diseases?
P. Madianos*
(National & Kapodistrian University of Athens, Athens, Greece)

14:40 **0316** Treatment of Periodontitis and its Effect on Systemic Inflammation: The Impact on Systemic Outcomes.
F. Graziani*
(University of Pisa, Pisa, Italy)

15:15 Discussion

 DELPHI MEETING ROOM (SEQ#: 49)

16:00–
18:00 **Symposium supported by NOF - Bridging the Gap between Clinical Implant Dentistry and Tissue Engineering**
Chairperson: I. Gendviliene

16:00 **0342** Insights Into Bone Regeneration, Bone Augmentation Techniques, and Guided Dental Implantation.
I. Gendviliene*
(Vilnius University, Vilnius, Lithuania)

16:35 **0343** Bone Tissue Engineering: Secretomes, ECM as a Boosting Tool.
E. Simoliunas*
(Vilnius University, Vilnius, Lithuania)

17:10 **0344** Artificial Intelligence-Driven Planning for Oral Surgical Procedures, How Far Have We Come?
P. Lahoud*
(Department of Oral and Maxillofacial Surgery and Imaging and Pathology (OMFS-IMPATh Research Group), KU Leuven, Leuven, Belgium)

17:45 Discussion

SCIENTIFIC PROGRAMME

DAY 2  FRIDAY, SEPTEMBER 22, 2023

SALON DES ROSES A MEETING ROOM (SEQ#: 50)

16:00–18:00 **Symposium supported by SDI - Preventive and Minimal Invasive Strategies for the Management of Caries in Children**
Chairpersons: **C. Bonifácio** and **S. Gizani**

16:00 **0345** Minimal Intervention Techniques in Primary Teeth - Prevention and Selective Excavation.
T. Kvist*
(Department of Dental Medicine, Division of Orthodontics and Paediatric Dentistry, Karolinska Institutet, Stockholm, Sweden)

16:35 **0346** Management of Cavitated Dentine Lesions: The Use of Silver Diammine Fluoride and the Hall Technique.
C. Bonifácio*
(Paediatric Dentistry, ACTA, Amsterdam, Netherlands)

17:10 **0347** What Do Dentists Know About Minimal Intervention Dentistry? How Is It Accepted by Parents and Children?
S. Gizani*
(School for Dentistry, National and Kapodistrian University of Athens, Athens, Attica, Greece)

17:45 Discussion

SALON DES ROSES B MEETING ROOM (SEQ#: 51)

16:00–18:00 **Oral Session - Dental Materials - Biocompatibility**
Chairpersons: **D. Marovic** and **M. Turkalj**

16:00 **0348** Competitive Conversion in Photo-Polymerised Dimethacrylate Dental Monomer Blends.
Y. Guo*, O. Addison, S. Sirovica
(Centre for Oral Bioengineering, Barts and The London School of Medicine and Dentistry, Queen Mary, University of London, London, United Kingdom)

16:15 **0349** Embryotoxicity and Monomer Release from Copper-Doped Mesoporous Bioactive Glass Composites.
D. Marovic*, F. Tarle, M. Bota, M. Par, H. Haugen, K. Zheng, S. Babić, R. Coz-Rakovac, L. Cizmek, P. Trebse, A. Boccaccini
(Department of Endodontics and Restorative Dental Medicine, University of Zagreb, School of Dental Medicine, Zagreb, Croatia)

16:30 **S0350** Physicomechanical Stability of Dental Composite with Novel Bisguaicol-Based Monomer.
L. Etiennot*, F. Zhang, L. Trullemans, M. Turkalj, F. Rammal, B. Mercelis, M. Peumans, B. Sels, K. Van Landuyt, B. Van Meerbeek
(BIOMAT, Department of Oral Health Sciences, KU Leuven, Leuven, Belgium)

16:45 **S0351** Cytotoxic Assessment of Eluates from Vacuum Thermoforming Plastics.
M. Turkalj*, M. Gosh, D. Pully, J. Vanoirbeek, P. Hoet, B. Van Meerbeek, K. Van Landuyt
(BIOMAT, Department of Oral Health Sciences, KU Leuven (University of Leuven), Leuven, Belgium)

SCIENTIFIC PROGRAMME

FRIDAY, SEPTEMBER 22, 2023 

DAY 2

- 17:00** **0352** Dental Composites with RAFT-Mediated Polymerization: Elastoplastic and Viscoelastic Behaviour.
N. Ilie*
(Conservative Dentistry, University Hospital, LMU, Munich, Germany)
- 17:15** **0353** Surface Topography of Different Types of CAD/CAM Restorative Materials.
M. Uctasli, J. Wada, K. Wada, M. Uctasli*, S. Uctasli, L. Lassila
(Department of Restorative Dentistry, University of Gazi, Ankara, Turkey)
- 17:30** **S0354** Evaluation of Surface Micro-Hardness of Chlorhexidine Diacetate Added Glass-Ionomer Cement.
D. Dervis*, C. Canevi, L. S. Türkün, M. Türkün
(Ege University School of Dentistry, Izmir, Turkey)
- 17:45** **S0355** Effects of Nisin and Phytic Acid on the Dentin Wettability.
H. Erdogan, B. Konmus*, A. Terlemez, M. H. Kaplan, U. Kokbas, K. Kurt Demirsoy, F. Kont Cobankara
(Endodontics, Selcuk University Faculty of Dentistry, Konya, Turkey)

 NEFELI MEETING ROOM (SEQ#: 52)

16:00–18:00 **Oral Session - Fiber Reinforced Restorative Materials**
Chairpersons: **K. Scholz and S. Uctasli**

- 16:00** **0356** Short Fiber-Reinforced Direct and Indirect MOD Overlay Restorations.
S. Garoushi, O. Akbasak, S. Erkut, P. Vallittu, S. Uctasli*, L. Lassila
(Department of Prosthodontics, Faculty of Dentistry, University of Ankara, Ankara, Turkey)
- 16:15** **0357** Fracture Strength of Endocrowns and Overlays From two Different Materials.
M. Veselinova*, H. Paksimada
(Restorative Dentistry, National and Kapodistrian University, Athens, Greece)
- 16:30** **0358** Clinical Performance of Short Fiber-Reinforced Composite Restorations Used Without Coverage.
R.H. Abd Elaziz, S.A. Abd Elaziz, P.M. Abd Elaziz, P. Vallittu, L. Lassila, S. Garoushi*
(University of Turku, Turku, Finland)
- 16:45** **S0359** Resin Cement's Effect on Push-out Bond Strength of Fiber Post.
M. Gurses, A.R. Cetin, A.K. Ozkan, O.K. Tuysuz, A.T. Kuzgun*
(Faculty of Dentistry, Selcuk University, Konya, Turkey)
- 17:00** **S0362** Partial-Ceramic-Crowns and Self-Adhesive Resin-Cement: Impact of Selective-Enamel-Etching After 15 Years.
K. Scholz*, J. Pfister, M. Federlin, K.-A. Hiller, G. Schmalz, W. Buchalla, F. Cieplik
(Department of Conservative Dentistry and Periodontology, University Hospital Regensburg, Regensburg, Germany / Bavaria, Germany)
- 17:15** **0363** Five-Year Performance of Glass-Hybrid and Nano-Hybrid Restoratives: Multi-Centre Clinical Trial.
I. Miletic*, A. Baraba, S. Jukic Krmek, M. Basso, T. Peric, D. Markovic, C. Atalayin Ozkaya, H. Kemaloğlu, L. S. Türkün
(School of Dental Medicine, University of Zagreb, Zagreb, Croatia)

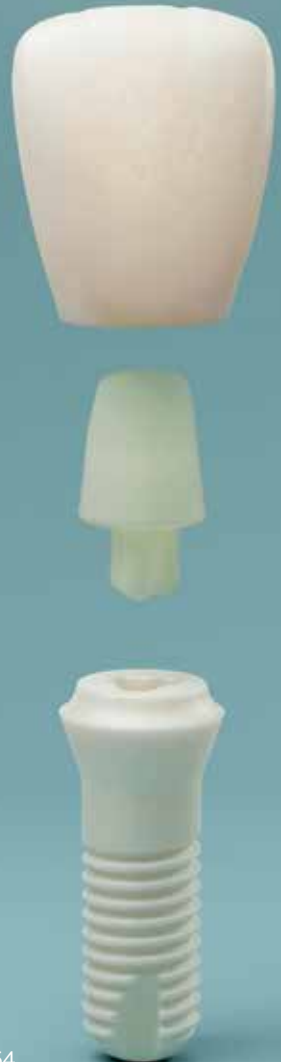
17:30 Discussion

No peri-implantitis after 9 years

Independent long-term study (University of Düsseldorf)

Brunello G, Rauch N, Becker K, Hakimi AR, Schwarz F, Becker J. Two-piece zirconia implants in the posterior mandible and maxilla: A cohort study with a follow-up period of 9 years. Clin Oral Implants Res. 2022 Dec;33(12):1233-1244. doi: 10.1111/clr.14005. Epub 2022 Oct 31. PMID: 36184914.

- Healthy soft tissues (12.9% BOP)
- Stable bone levels (MR < 1 mm)
- No implant fractures



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SCIENTIFIC PROGRAMME

DAY 3  SATURDAY, SEPTEMBER 23, 2023

 DELPHI MEETING ROOM (SEQ#: 54)

8:30–
10:00

Oral Session - Dental Materials

Chairpersons: **A. Abdalla** and **L. Kurzendorfer**

- 08:30** **S0364** Clinical Study of Different Composite Resin Systems in Class I Cavities.
A. Abdalla*, **H. Ali Ibrahim**, **H. Yhia**
(Restorative Dentistry, Faculty of Dentistry, Tanta University, Tanta, Gharbia, Egypt)
- 08:45** **S0365** Loading Capacity of Core Build-Ups Anchored with Parapulpal Pins.
S. Raether*, **W. Bömicke**, **P. Rammelsberg**, **S. Rues**
(Department of Prosthodontics, Heidelberg University Hospital, Heidelberg, Germany)
- 09:00** **S0366** Natural Radioactivity Measurements in Dental Zirconia Materials.
I. Kurkcuoglu, **A. T. Aziz***, **M. Kurkcuoglu**, **G. Cengiz**, **I. Caglar**
(Prosthetic Dentistry, Süleyman Demirel University, Isparta, Turkey)
- 09:15** **S0367** Novel Algorithm for Surface-Wide Pointwise Trueness and Precision.
P.-C. Tseng*, **D.-B. Shieh**, **D. Kaisarly**, **P. Roesch**, **K.-H. Kunzelmann**
(Department of Conservative Dentistry and Periodontology, University Hospital, LMU Munich, Munich, Germany)
- 09:30** **S0368** Comparison of Surface Roughness Ra/Rz With Different Measuring Devices.
L. Kurzendorfer*, **S. Hahnel**, **M. Rosentritt**
(Universitätsklinikum Regensburg, Regensburg, Germany)
- 09:45** **S0369** Medication Purchases Associate With the Number of Dental Treatments.
F. Frankenhaeuser*, **A. Meurman-Pawli**, **H. Källmen**, **J. Meurman**, **B. Söder**
(Department of Oral and Maxillofacial Diseases, University of Helsinki, Helsinki, Finland)

 SALON DES ROSES A MEETING ROOM (SEQ#: 55)

8:30–
10:00

Oral Session - Periodontal Research - Oral Microbiology & Immunology

Chairpersons: **L. Parisi** and **B. Purohit**

- 08:30** **S0370** Reduced IRF6 Levels: Increased OSCC Risk for Some CLP Patients?
L. Parisi*, **C. Mockenhaupt**, **S. Rihs**, **F. Mansour**, **C. Katsaros**, **M. Degen**
(Orthodontics and Dentofacial Orthopedics, University of Bern, Bern, Switzerland)
- 08:45** **S0371** Salivary Bacteriome and Mycobiome of Oral Cancer Patients.
A. Mäkinen*, **B. Brandt**, **A. Mäkitie**, **E. Zaura**, **J. Meurman**
(Oral and Maxillofacial Diseases, University of Helsinki, Helsinki, Finland)
- 09:00** **S0372** Oral Bacteriophages, a Novel Antimicrobial Strategy Targeting Periodontal Pathogens.
A. Frantar*, **K. Šuster**, **A. Trampuz**, **K. Seme**, **Č. Oblak**, **R. Gašperšič**, **A. Cör**
(Department of Prosthodontics, Faculty of Medicine, University of Ljubljana, Ljubljana, Slovenia)
- 09:15** **S0374** Type 1 Diabetes Mellitus and Salivary Microbiota.
N. Yilmaz*, **U. Gursoy**, **D. Belstrøm**, **R. Polat**, **E. Gul Aydin**, **M. Gursoy**
(Department of Periodontology, Institution of Dentistry, University of Turku, Turku, Finland)

SCIENTIFIC PROGRAMME

SATURDAY, SEPTEMBER 23, 2023 

DAY 3

09:30 **S0375** Effects of Different Hyaluronic Acids on Periodontal Biofilm-Immune Cell Interactions.
X. Zhu*, **A. Sculean**, **S. Eick**
(Department of Periodontology, School of Dental Medicine, University of Bern, Bern, Switzerland)

09:45 Discussion

 **SALON DES ROSES B MEETING ROOM (SEQ#: 56)**

8:30–10:00 **Oral Session - Digital Dentistry - Deep & Machine Learning**
Chairpersons: **G. Almozino** and **A. Broll**

08:30 **S0376** Generative Deep Learning for the Fabrication of Inlays.
A. Broll*, **M. Rosentritt**, **M. Goldhacker**
(Department of Prosthetic Dentistry, University Hospital Regensburg, Regensburg, Germany)

08:45 **S0377** The Effect of Sex and Ethnicity on Palatal Geometry-Based Identification.
B. Simon*, **A. Roudgari**, **Á. Mikolicz**, **A. Shahbazi**, **J. Vág**
(Restorative Dentistry and Endodontics, Semmelweis University, Budapest, Hungary)

09:00 **S0379** Pre- to Post-Pandemic Learning Effectiveness in Oral Radiology Courses.
K. Mücke*, **J. Igelbrink**, **C. Busch**, **J. Becker**, **D. Drescher**, **K. Becker**
(Department of Orthodontics, University Hospital Düsseldorf, Düsseldorf, Germany)

09:15 **S0380** Implementation of Machine Learning Models in Preclinical Dental Education.
A. Oguzhan*, **E. Ercan Devrimci**, **C. Peskersoy**, **H. Kemalöglu**
(Ege University, Izmir, Turkey)

09:30 **S0381** Co-Morbidities in Temporomandibular Disorders - Machine Learning and Statistical Analytics.
G. Almozino*, **N. Rudyuk**, **C. Goldstein**, **D. Tzur**, **H. Chweidan**
(Big Biomedical Data Research Laboratory, Faculty of Dental Medicine, Hebrew University of Jerusalem, Hadassah Medical Center, Jerusalem, Israel, Israel)

09:45 Discussion

 **NEFELI MEETING ROOM (SEQ#: 57)**

8:30–10:00 **Oral Session - Orthodontic Research - Epidemiology**
Chairpersons: **S. D'agostino** and **A. Dehesa-Santos**

08:30 **0382** Laryngeal Cartilage Calcifications on Lateral Cephalometric Radiographs.
M. Sycińska-Dziarnowska*, **S. J. Lindauer**, **L. Szyszka-Sommerfeld**, **G. Spagnuolo**, **K. Wozniak**
(Pomeranian Medical University, Szczecin, Poland)

SCIENTIFIC PROGRAMME

DAY 3



SATURDAY, SEPTEMBER 23, 2023

- 08:45** **S0384** Predictive Model of Skeletal-Class-III-Malocclusion Sub-Phenotype in Southern European Population.
A. Dehesa-Santos*, **L. De Frutos-Valle**, **L. Carreño-Gomez**, **E. Navarro-Fraile**, **A. Iglesias-Linares**
(Complutense University of Madrid, Madrid, Spain)
- 09:00** **S0385** Impact of Laser Biostimulation and Vibrations on the Orthodontic Pain.
S. Jagla*, **L. Szyszka-Sommerfeld**, **G. Spagnuolo**, **K. Wozniak**, **M. Sycińska-Dziarnowska**
(Department of Orthodontics, Pomeranian Medical University, Szczecin, Poland)
- 09:15** **S0386** Sagittal Malocclusions and Patient Motivation When Seeking Orthodontic Treatment.
A. Mesaros*, **A. Boitor**
(Iuliu Hatieganu University of Medicine and Pharmacy, Cluj-Napoca, Romania)
- 09:30** **S0387** Oral Status in two Ancient Italian Populations: an Observational Study.
S. D'agostino*, **I. Rizzo**, **R. D'anastasio**, **J. Cilli**, **G. Valentini**, **E. Ferrara**, **M. Dolci**
(Dept of Medical, Oral and Biotechnological Sciences, University G. d'Annunzio, Chieti, Italy)
- 09:45** Discussion

NAFSIKA MEETING ROOM (SEQ#: 58)

8:30–
10:00

Workshop Young CED-IADR/Kulzer - Oral Presentations: Managing Your Anxiety and Improving Your Eloquence to Give the Best

Introduction: **M. Pedano De Piero**

- S0388** Managing Your Anxiety and Improving Your Eloquence to Give the Best.
C. Mocquot*
(Endodontics and Restorative Dentistry, University of Paris Cité, Nogent sur Marne , France)

DELPHI MEETING ROOM (SEQ#: 60)

10:30–
12:30

Symposium supported by CED-IADR - Dental Materials: New Directions in Biological and Mechanical Evaluation

Chairpersons: **N. Attik** and **M. Ahmed**

- 10:30** **S0389** Biocompatibility: from Cytocompatibility to Bioactivity Assessment.
N. Attik*
(Faculté d'odontologie/UMR CNRS 5615, Université Claude Bernard Lyon1, Lyon, France)
- 11:05** **S0390** Advancements in Dental Biomechanics: Exploring the Role of in Silico Models.
R. Richert*
(Lyon Dental Hospital, Villefranche sur Saone, France)
- 11:40** **S0391** Mechanical Performance of Short Fiber-Reinforced Composites.
S. Garoushi*
(Biomaterials Science, University of Turku, Turku, Finland)
- 12:15** Discussion

SCIENTIFIC PROGRAMME

SATURDAY, SEPTEMBER 23, 2023 

DAY 3

SALON DES ROSES A MEETING ROOM (SEQ#: 61)

10:30–
12:30

Oral Session - Dental Material - Mechanical Properties

Chairpersons: **L. Türkün** and **T. Unal**

10:30

0392

A PDMS Membrane to Attenuate Composite Restorations Stresses.

N. Attik, R. Gauthier, C. Villat, H. Abouelleil Sayed*

(Université Claude Bernard Lyon 1, UMR CNRS 5615, Laboratoire des Multimatériaux et Interfaces, F-69622 Villeurbanne, Lyon, France)

10:45

0393

Selective Micro-Scale Conversion Measurements in Photo-Polymerized Dental Resin-Based-Composites.

S. Sirovica*, Y. Guo, O. Addison

(Centre for Oral Bioengineering, Barts and The London School of Medicine and Dentistry, Queen Mary, University of London, London, United Kingdom)

11:00

0394

Fast 3D-Printing Maintains Resin-Composite Physical Properties and Color Stability.

H. El-Damanhoury*, N. Elsahn, Z. Salameh

(Preventive and Restorative Dentistry, University of Sharjah, Sharjah, United Arab Emirates)

11:15

0395

Mechanical and Surface Properties of Titanium Dioxide Nanotubes Addition to Conventional Glass-Ionomers.

B. Oglakci*, Z. Özдуман, L. Fazlioğlu, M. Demirkol, B.O. Kucukyildirim,

A. Akdogan Eker, E. Eligüzeoglu Dalkilic

(Restorative Dentistry, Bezmialem Vakif University, Istanbul, Turkey)

11:30

0396

Chairside Materials' Retentive Strength on Titanium after Aging: Pilot Study.

P. Mourouzis*, D. Dionysopoylos, K. Tolidis

(Operative Dentistry, Aristotle University of Thessaloniki, Thessaloniki, Greece)

11:45

0397

Effect of Magnification and Press-on Force on Composite Polishing Efficiency.

T. Unal*, B. Korkut, D. Tağtekin

(Restorative Dentistry, Bahcesehir University, Istanbul, Turkey)

12:00

S0398

Fluoride Release from Fiber-Reinforced Glass Ionomer Cement.

I. Šalinović*, A. Ivica, R. Prinssi, E. Säilynoja, S. Jukić-Krmek, I. Miletić

(University of Zagreb, School of Dental Medicine, Zagreb, Croatia)

12:15

Discussion

SALON DES ROSES B MEETING ROOM (SEQ#: 62)

10:30–
12:30

Oral Session - Dental Materials - Biocompatibility

Chairpersons: **A. Bakopoulou** and **H. Haugen**

10:30

0399

Angiogenic Potential of a Thermosensitive Collagenated Bone Filling Material.

C. Jeanneau*, J.-H. Catherine, T. Giraud, I. About

(Aix Marseille Université, Centre National de la Recherche Scientifique, Institut des Sciences du Mouvement, Marseille, France)

SCIENTIFIC PROGRAMME

DAY 3



SATURDAY, SEPTEMBER 23, 2023

- 10:45** **0400** **Intrinsically Disordered Peptides Enhance Regenerative Capacities of Bone Composite Xenografts.**
H. Haugen*, **M. Rahmati**
(Department of Biomaterials, University of Oslo, Oslo, Norway)
- 11:00** **S0401** **Compression and Tensile Strength Testing of Individualized Biodegradable Augmentation Scaffold.**
V. Prpic*, **R. Bjelica**, **N. Drvar**, **D. Gabric**, **A. Catic**
(Department of Fixed Prosthodontics, School Of Dental Medicine, University of Zagreb, Zagreb, Croatia)
- 11:15** **0402** **Oral Mucosa 3D-Simulation Model Using Organ-on-Chip Technology and SLA-Printing.**
I. Angelopoulos, **F. Machla**, **P. K. Monou**, **C. Bekiari**, **M. Kokoti**, **E. Panteris**, **P. Koidis**, **I. About**, **D. Fatouros**, **D. Andreadis**, **A. Bakopoulou***
(Department of Prosthodontics, School of Dentistry, Aristotle University of Thessaloniki, Thessaloniki, Greece)
- 11:30** **S0403** **Tissue-Engineered vs ex-Vivo Oral Mucosa: Epithelial Barrier, Lamina-Propria and Salispheres.**
F. Machla*, **P.K. Monou**, **I. Angelopoulos**, **V. Zisis**, **E. Panteris**, **C. Bekiari**, **E. Kofidou**, **T. Lillis**, **M. Kokoti**, **P. Koidis**, **D. Fatouros**, **I. About**, **A. Bakopoulou**, **D. Andreadis**
(Department of Prosthodontics, School of Dentistry, Aristotle University of Thessaloniki, Thessaloniki, Greece)
- 11:45** **0404** **SLA-Type 3D Printable Hydrogels and Composites for Bone Regeneration.**
J. Bakó*, **L. Csámer**, **M. Béresová**, **G. Trencsényi**, **R. Boda**, **C. Hegedus**
(University of Debrecen, Debrecen, Hungary)
- 12:00** **S0405** **Fabrication of 3D Printed Hollow Microneedles for Oromucosal Applications.**
P. K. Monou*, **D. Andreadis**, **A. Bakopoulou**, **D. Fatouros**
(School of Pharmacy, Department of Pharmaceutical Technology, Aristotle University of Thessaloniki, Thessaloniki, Greece)
- 12:15** **S0406** **Cytocompatibility of Titanium and Poly(Etheretherketone) Surfaces After O₂ Non-Thermal Plasma Sterilization.**
C. Maillet*, **F. M. Klein**, **F. Le Bras**, **F. Velard**, **C. Guillaume**, **S. Gangloff**, **M.-P. Gelle**
(Laboratoire EA 4691 BIOS, Université de Reims Champagne-Ardenne, Reims, France)

NEFELI MEETING ROOM (SEQ#: 63)

10:30–12:30 **Oral Session - Oral Medicine - Salivary Glands**

Chairpersons: **E. Calabria** and **J. Kakar**

- 10:30** **S0407** **Increased Expression of Salivary Gland Chemokines in Primary Sjögren's Syndrome.**
I. B. Ringstad*, **H. Borge**, **S. Fromreide**, **H. Galtung**, **J. Jensen**, **K. Skarstein**
(Department of Oral Surgery and Oral Medicine, University of Oslo, Oslo, Norway)
- 10:45** **S0408** **Role of EBV and HHV-7 in OLP and Aphthous Stomatitis.**
J. Kakar*, **L. Sokolovska**, **I. Cema**, **M. Murovska**
(Stomatology Institute, Clinic of Oral and Maxillofacial Surgery and Oral Medicine, Riga Stradins University, Riga, Latvia)
- 11:00** **S0409** **Clinical, Epidemiological and Anatomopathological Features of Oral Lichen Planus.**
A. Besbes*, **T. Medini**, **W. Nasri**, **M. Garma**, **A. Slim**, **J. Selmi**
(Oral Medicine, Oral Surgery, Academic Dental Clinic, Monastir, Tunisia)

SCIENTIFIC PROGRAMME

SATURDAY, SEPTEMBER 23, 2023 

DAY 3

- 11:15** **S0410** Platelet-Rich Fibrin Reduces Zoledronic Acid-Induced Oral Mucosa Toxicity in Vitro.
K. Rattanawonsakul*, **G. Bullock**, **V. Workman**, **R. Bolt**, **F. Claeysens**, **S. Atkins**,
V. Hearnden
(Materials Science and Engineering, The University of Sheffield, Sheffield, United Kingdom)
- 11:30** **S0412** Expression of EGFR in Minor Salivary Glands With Sjögren Syndrome.
E. Stergiadou*, **P. Anastasiadou**, **D. Parlitsis**, **E. Anagnostou**, **T. Papamitsou**,
A. Pouloupoulos, **D. Andreadis**
(Aristotle University of Thessaloniki, Thessaloniki, Greece)
- 11:45** **0413** The Management of MRONJ: Overview of National and International Guidelines.
N. Patel*, **N. Seoudi**
(Maxillofacial Surgery, Musgrove Park Hospital, Taunton, United Kingdom)
- 12:00** **0414** OHQoL in Association with Pain in Head and Neck Cancer Patients.
M. Kouri, **K. Katoumas**, **E. Papadopoulou**, **M. Georgaki**, **E. Piperi**, **E. Vardas***,
N. Nikitakis
(Oral Medicine & Pathology and Hospital Dentistry, School of Dentistry, National and Kapodistrian University of Athens (NKUA), Athens, Greece)
- 12:15** Discussion

 **NAFSIKA MEETING ROOM (SEQ#: 64)**

10:30–12:30 **Oral Session - Oral Microbiology & Immunology Research**
Chairpersons: **P. Papi** and **N. Zayed**

- 10:30** **S0415** Diode Laser Effect on Osteoblasts Exposed to a Peri-Implantitis Environment.
E. Zampa*, **K. Kyriakidou**, **I. Karoussis**
(NKUA, Athens, Greece)
- 10:45** **0417** Oral Bacterial Community Dynamics During Induction of Experimental Gingivitis.
B. Keijser*, **T. Van Den Broek**, **B. Brandt**, **E. Zaura**, **The Ti-Oh01 Clinical Research Team**
(Microbiology and Systems Biology, TNO, Leiden, Netherlands)
- 11:00** **S0418** Novel, Safe, and Microbiome-Friendly Electrolyzed Solutions Prevent Periodontal Dysbiosis.
N. Zayed*, **H. Munjaković**, **M. Aktan**, **K. Simoens**, **K. Bernaerts**, **N. Boon**, **A. Braem**,
W. Van Holm, **A. Fidler**, **R. Gašperšič**, **W. Teughels**
(Oral health sciences, KU Leuven, Leuven, Vlaams-Brabant, Belgium)
- 11:15** **S0419** Oral Microbiota of Mother-Child Pairs: Impact of Maternal Cardiometabolic Health.
M. Maia Azevedo*, **A.F. Ferreira**, **I. Pires**, **C. Ramalho**, **M. Buijs**, **B. Sampaio-Maia**,
E. Zaura, **B. Brandt**
(Department of Preventive Dentistry, Academic Center for Dentistry Amsterdam, University of Amsterdam and Vrije Universiteit Amsterdam, Amsterdam, Netherlands)

SCIENTIFIC PROGRAMME

DAY 3  SATURDAY, SEPTEMBER 23, 2023

- 11:30 **0420** Are Atherosclerosis and Periodontal/Peri-Implant Inflammation Correlated? a Prospective Cohort Study.
P. Papi*, **B. Di Murro**, **L. Marini**, **C. Letizia**, **A. Polimeni**, **A. Pilloni**
(Oral and Maxillo-Facial Sciences, Sapienza University of Rome, Rome, Italy)
- 11:45 **0421** The Antibacterial Capacity of Eight Mouthwashes against Streptococcus Mutans.
M. Petrini*, **T. Dotta**, **S. Di Lodovico**, **E. D'Amico**, **T. Pierfelice**, **L. Cellini**, **G. Iezzi**, **S. D'Ercole**
(Medical, Oral and Biotechnological Sciences, University of Chieti, Chieti, Italy)
- 12:00 Discussion

 **POSTER HALL (SEQ#: 65)**

11:30–
12:30

Poster Session Day 3

CARIOLOGY RESEARCH

- S0425** Assessment of Enamel Remineralisation after Treatment With Different Varnishes: a SEM-Study.
A. Parlakyildiz Gökçe*, **E. Kelesoglu**, **K. Sagir**, **B. Kargul**
(Marmara University, Istanbul, Turkey)
- S0426** Near-Infrared Light Transillumination Enabled Early Caries Detection among Finnish Adolescents.
M. Methuen*, **A.L. Suominen**, **A. Lussi**, **H. Vähänikkilä**, **T. Lakka**, **V. Anttonen**
(University of Eastern Finland, Kuopio, Finland)
- 0428** Leakage From Fluoride-Releasing Restoratives Influence Streptococcus Mutans Virulence Characteristics.
A. Lehrkinder*, **Y. Ishizuka**, **U. Almhöjd**, **P. Lingström**
(Cariology, Odontology, Gothenburg, Sweden)

NETWORK FOR PRACTICE-BASED RESEARCH

- S0429** The Feasibility of Managing Caries in Children with Minimal Intervention Dentistry.
B. Dawett*, **D. Papaioannou**, **A. Banerjee**, **C. Deery**, **Z. Marshman**
(School of Clinical Dentistry, University of Sheffield, Sheffield, United Kingdom)

SALIVARY RESEARCH

- 0430** 25-Hydroxyvitamin D Strongly Correlates to LL-37 in Saliva.
S. Davidopoulou*, **K. Makedou**, **A. Kourti**, **I. Gkeka**, **P. Karakostas**, **G. Ioannidis**, **S. Kalfas**, **K. Tolidis**
(Department of Operative Dentistry, Dental School Aristotle University of Thessaloniki, Thessaloniki, Greece)

SCIENTIFIC PROGRAMME

SATURDAY, SEPTEMBER 23, 2023 

DAY 3

PEDIATRIC ORAL HEALTH RESEARCH

- S0431** Vital Pulp Therapy in Symptomatic Permanent Molars: a Case Series.
K. Petroleka*, **A. Petrou**, **S. Chatzimarkou**, **K. Seremidi**, **A. Agouropoulos**, **S. Gizani**
(Paediatric Dentistry, National and Kapodistrian University of Athens, Athens, Greece)
- S0432** Charcot-Marie-Tooth Disease: a Case Report.
C. Sağlam*, **F. Ertuğrul**, **N. Ersin**
(Pediatric Dentistry, Ege University Faculty of Dentistry, Bornova, İzmir, Turkey)
- S0186** Traumatic Dental Injuries of Children/Adolescents in Croatia: 8-year Retrospective Study.
L. Vranic*, **B. Špiljak**, **L. Bergman**, **D. Negovetić Vranić**
(School of Dental Medicine Zagreb, Zagreb, Croatia)

ORTHODONTICS RESEARCH

- S0434** Long-Term Comparison between Mini-Implant Assisted and Tooth-Borne Rapid Maxillary Expansion.
S. Yoon*, **S.-J. Ahn**, **J.-S. An**
(Department of Orthodontics, Seoul National University School of Dentistry, Seoul, Korea (the Republic of))
- S0435** In Vitro Aging Effect on Young's Modulus of Orthodontic Aligners.
L. Šimunović*, **K. Sudarević**, **A. Jurela**, **S. Meštrović**
(Department of Orthodontics, School of Dental Medicine Zagreb, Zagreb, Croatia)
- S0436** Parental-Caregiver Perceptions Questionnaire-16 and Family Impact Scale: Italian Version Validation.
B. K. Cinar*, **R. Bucci**, **R. Rongo**, **V. D'antò**, **R. Valletta**
(University of Naples Federico II, Naples, Italy)

DENTAL MATERIALS -POLYMER-BASED MATERIALS

- S0437** Microhardness of Bulk-Filled Composites: Effects of Pre-Heating and Light-Curing Mode.
M. Tuncer*, **E. Öztürk**, **N. Baseren**
(Faculty of Dentistry, Hacettepe University, Ankara, Altındağ, Turkey)
- 0438** Laser Polymerisation of Bulk-Fill Composites by Curing and Co-Curing Method.
A. Ivanisević*, **E. Klaric**, **A. Baraba**, **M. Rakic**, **M. Soče**, **S. Čekalović Agović**
(Department of Endodontics and Restorative Dentistry, School of Dental Medicine, Zagreb, Croatia)
- S0439** Ion-Substituted Glasses Through Different Routes of Synthesis for Glass-Ionomer Cements.
J. Makanjuola*, **R. Hill**, **S. Banerji**, **S. Deb**
(Centre for Oral, Clinical & Translational Sciences, King's College London, London, United Kingdom)
- 0440** Ethanol Softening of Alkaside as a Function of Curing Mechanism.
V. Negovetić Mandić, **M. Par**, **L. Jambresić**, **M. Borovac**, **D. Marović**, **Z. Tarle**, **V. Pandurić***
(School of Dental Medicine, University of Zagreb, Zagreb, Croatia)

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DENTAL MATERIALS - ADHESION

S0441 Impact of Capping Materials on Bond Strength.

I. Gönüllü*, **H. Kemaloğlu**, **T. Pamir**

(Ege University, Izmir, Turkey)

S0442 Effects of Proanthocyanidin-Functionalized Hydroxyapatite Nanoparticles on Dentin Bonding.

T. Essvein*, **S. Lopez**, **A. Navarro**, **C. Cifuentes**, **C. Mazzitelli**, **T. Maravic**, **L. Breschi**

(University of Granada, Granada, Spain)

0443 Aging Effect on Push-Out Bond Strength of Six Resin Cements.

E. Baena*, **N. Escribano**, **V. Fuentes**, **L. Ceballos**

(Stomatology, Rey Juan Carlos University, IDIBO research group, Madrid, Spain)

S0444 Repair Bond Strength of a CAD/CAM Material after Surface Modification with Er,Cr:YSGG Laser.

P. Didangelou*, **D. Dionysopoulos**, **C. Papadopoulos**, **D. Strakas**, **P. Mourouzis**, **K. Tolidis**

(Operative Dentistry, Aristotle University Thessaloniki, Thessaloniki, Greece)

DENTAL MATERIALS - BIOCOMPATIBILITY, BIOENGINEERING AND BIOLOGIC EFFECTS OF MATERIALS

S0445 Properties of Glass-Ionomer Cements Reinforced with Calcium-Modified Clay Nanoparticles.

I. Tsolianos*, **A. Nikolaidis**, **E. Koulaouzidou**

(School of Dentistry, Aristotle University of Thessaloniki, Thessaloniki, Greece)

S0446 Hyaluronic Acid/Cellulose Film Delivery Facilitates Oral Wound Healing.

Y. Jung*, **J.R. Ye**, **Y.K. Chae**, **K.E. Lee**, **S.C. Choi**, **O.H. Nam**

(Department of Pediatric Dentistry, School of Dentistry, Kyung Hee University, Seoul, Korea (the Republic of))

0447 A Clinical Case Utilizing a New Collagen-Based Bone Xenograft.

T. Laplane*

(Bouches-du-Rhône, University of Aix-Marseille, Marseille, France)

0475 Hesperetin-Loaded Nanoemulsion: Development, Characterization, Pro-Osteogenic and Anti-Inflammatory Activities.

M.J. Mancim Imbriani*, **L. Pereira Lima Durão**, **J. Lobato Duarte**, **L. Delello Di Filippo**, **M. Chorilli**, **D. Palomari Spolidorio**, **P.M. Maquera Huacho**

(Department of Diagnosis and Surgery, São Paulo State University, Araraquara, SP, Brazil)

DENTAL MATERIALS - COLOUR AND APPEARANCE (AESTHETICS)

0450 Masking Ability of Layered Resin Composite Restorations.

S. Wongkhantee*

(Restorative, Faculty of Dentistry, Khon Kaen University, Meung, Khon Kaen, Thailand)

S0451 Effect of Different Effervescent Vitamins on the Color of Composite Materials.

Y. Yazicioğlu*, **O.T. Harorli**

(Akdeniz University Faculty of Dentistry Department of Restorative Dentistry Antalya-Türkiye, Antalya, Turkey)

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0452 Spectral-Based Optical Measurement on Samples in Tooth-Shaped Geometry.
M. Götzinger*, **G. Raia**, **T. Dunbar**, **B. Kirchner**, **S. Schmittner**
(3M, Seefeld, Germany)

DENTAL MATERIALS - CLINICAL TRIALS

S0453 Clinical Color Selection Reliability of Conventional versus Digital Methods.
K. Isikli*, **E. Öztürk**, **F. Yalcin Cakir**
(Department of Restorative Dentistry, Hacettepe University Faculty of Dentistry, Ankara, Turkey)

DIGITAL DENTISTRY RESEARCH NETWORK

0454 A Digital Protocol for Qualitative and Quantitative RPD Fit Analysis.
A. Theocharopoulos*, **V. Vergos**, **K. Dimitriadis**, **C. Caroni**, **S. Yannikakis**
(School of Health and Care Sciences, Biomedical Sciences Department, Dental Technology Division, University of West Attica, Athens, Greece)

PROSTHODONTICS

S0455 Combined Treatment of Severe Snoring and Excessive Tooth Wear Comorbidity.
E. Günel*, **H. Kurtulmus**, **C. Aktay**, **M. C. Bursa**
(Prosthodontics, Istanbul Aydin University, Istanbul, Kucukcekmece, Turkey)

STEM CELL BIOLOGY

S0457 Senescence of Oral Mesenchymal Stem Cells after Long-Term Cultivation in-Vitro.
M.E. Malinova*, **N. Tsarevska**, **M. Miteva**, **N. Ishkitiev**, **M. Praskova**
(Medical University Sofia, Sofia, Bulgaria)

CRANIOFACIAL BIOLOGY

S0459 Antioxidant Gene Polymorphisms in Temporomandibular Disorder Patients Compared to Controls.
E. Vrbanović*, **M. Zlendić**, **M. Tomljanovic**, **K. Gall Trošelj**, **K. Vukovic Derfi**, **I. Alajbeg**, **I. Z. Alajbeg**
(Department of Removable Prosthodontics, University of Zagreb, School of Dental Medicine, Zagreb, Croatia)

ORAL AND MAXILLOFACIAL SURGERY

0460 Salivary Cytokines Levels in Neoplastic, pre-Neoplastic and Inflammatory Oral Conditions.
A. Adamov, **P. Stanimirov**, **E. Karova**, **N. Gateva**, **T. Bolyarova**, **Z. Mihaylova***
(Medical University - Sofia, Sofia, Bulgaria)

S0461 Treatment Algorithms Described for Oroantral Communication: Clinical Study.
I. Ari, **A. E. Kizilkaya***, **S. Adiloğlu**, **A. Aktas**
(Oral And Maxillofacial Surgery, Hacettepe University, Ankara, Turkey)

ORAL HEALTH RESEARCH

0462 Effect on Oral VSC After Sucking of Zinc Lactate Tablets.
P. F. Porciani*, **C. Perra**, **S. Grandini**
(University of Siena, Siena, Italy)

SCIENTIFIC PROGRAMME

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- 0463** Salivary Cortisol and Perceived Stress in COVID-19 Survivors with Periodontitis.
J. Roganovic*, **M. Barac**, **S. Sredojevic**, **A. Djinic**, **N. Nikolic-Jakoba**
(Dept. of Pharmacology in Dentistry, School of Dental Medicine, University of Belgrade, Belgrade, Serbia)

ORAL MEDICINE AND PATHOLOGY

- S0464** VEGF-a, VEGFR-2 and PCNA Expression in Oral Vascular Anomalies in Childhood.
S. Dimtsas, **S. Tziveleka**, **E. Piperi**, **V. Boutla**, **M. Kouri**, **M. Georgaki**, **I. Iatrou**,
N. Nikitakis*
(Oral Medicine & Pathology and Hospital Dentistry, National and Kapodistrian University of Athens, Athens, Greece)

PERIODONTAL RESEARCH

- 0465** Gingival Crevicular Fluid Biomarker Identification for Diagnosing Periodontitis by SWATH-MS.
T. Blanco-Pintos, **A. Regueira Iglesias**, **M. Relvas**, **P. Chantada-Vázquez**,
M. Alonso-Sampedro, **C. Balsa-Castro**, **I. Tomás***
(Oral Sciences Research Group, Special Needs Unit, Department of Surgery and Medical-Surgical Specialties, School of Medicine and Dentistry, Universidade de Santiago de Compostela, Health Research Institute of Santiago (IDIS), Santiago de Compostela, Spain)

- 0466** Ovariectomy-Induced Maxillary Trabecular Bone Microarchitecture and Marrow Cellularity Changes.
K.H. Kim*, **H.J. Kim**, **J. Kook**, **S.-Y. Park**, **Y.-J. Seol**
(Seoul National University and Seoul National University Dental Hospital, Seoul, Korea (the Republic of))

- S0467** New Approach for Decontamination and Surgical Reconstruction of Peri-Implant Defects.
A. Friedmann, **H. Al Ghawi-Begovic***, **D. Diehl**, **R. Jung**, **H. Bilhan**
(Periodontology, Witten/Herdecke University, Witten, Germany)

INTERNATIONAL NETWORK FOR OROFACIAL PAIN AND RELATED DISORDERS METHODOLOGY

- S0468** "Mandibular Molar Causing Trigeminal Neuralgia Like Symptoms" a Case Report.
H. Elhassan*
(Endodontology, Periodontology and Operative Dentistry, Heinrich Heine University Düsseldorf, Düsseldorf, Nord-Rhein-Westphalia, Germany)

DIAGNOSTIC SCIENCES

- S0469** Third Molar Maturity Index and Condylar Cortication in Latvia Population.
Z. Bokvalde*, **L. Neimane**
(Riga Stradins University, Riga, Latvia)

IMPLANTOLOGY

- 0470** Discomfort/Pain Due to Periodontal Peri-Implant Probing in Titanium and Zirconium Implants.
F. Bussmeyer, **M. Saminsky***, **P. Eickholz**
(Department of Periodontology and Oral Implants, Goldschleger School of Dental Medicine, Tel Aviv University, Tel Aviv, Israel)

SCIENTIFIC PROGRAMME

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DAY 3

MICROBIOLOGY/IMMUNOLOGY

0471 Validation of Immunological and Microbiological Detection Methods in ORAMICAP Study.

M. Dubois, M. Ortis, A. Doglio, M. Chevalier, M.-F. Bertrand*

(Université Côte d'Azur, MICORALIS, Nice, France)

PHARMACOLOGY/THERAPEUTICS/TOXICOLOGY

0472 Patterns of Dental Antifungal Drug Prescribing in Croatia During 10-Years.

I. Sutej*, K. Peroš, K. Bašić, H. Pitarić

(Pharmacology, School of Dental Medicine University in Zagreb, Zagreb, Croatia)

BEHAVIORAL, EPIDEMIOLOGIC AND HEALTH SERVICES RESEARCH

0473 Patient Safety Standards in the U.S. Dental Schools.

F. Ozer*, S. Patnaikuni

(University of Pennsylvania School of Dental Medicine, Philadelphia, Pennsylvania, USA)

EDUCATION RESEARCH

0474 Teaching of Geriatric Dentistry in France: a Descriptive Study.

L. Borsa*, L. Lupi-Pegurier, M.-F. Bertrand, G. Maille

(Université Cote d'Azur, UFR Odontologie, Nice, France)



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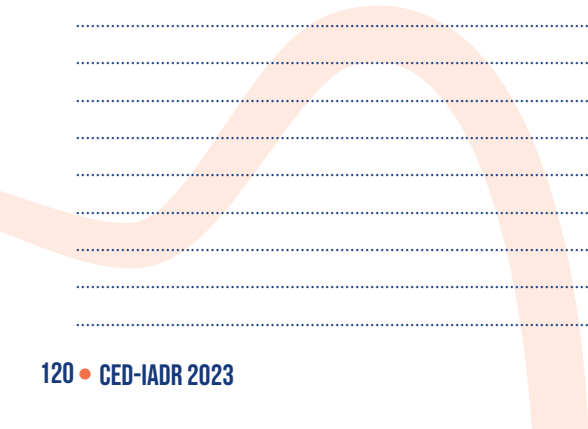
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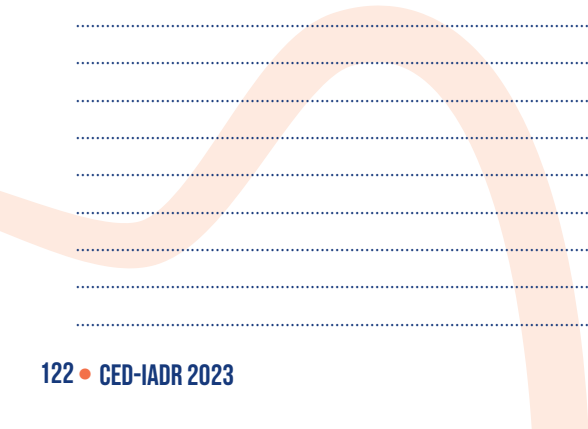


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