

PARIS

CHALLENGES, OPPORTUNITIES AND NEW PERSPECTIVES IN ENDODONTOLOGY 3-6 SEPTEMBER 2025

PROGRAMME





































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WELCOME LETTER

PRESIDENT'S WELCOME TO ESE PARIS 2025

As the president of the European Society of Endodontology (ESE) I wish to extend a warm welcome to our 22nd biennial congress in the fantastic city of Paris for "Challenges, Opportunities and New perspectives in Endodontology" | 3rd- 6th September 2025. We know you will be looking forward to the opportunity to learn, debate, share and socialize with colleagues and friends in a wonderful truly world-leading city.

In order to for you to look forward to the events of Paris, the congress will begin on Wednesday 3rd with a pre-congress day featuring courses, interactive lectures and workshops. The main congress activities will begin on Thursday 4th and along the lines of previous biennial congresses will feature a range of world-class speakers delivering keynote lectures, as well as symposia on specific clinical, educational or research topics and crucially the introduction of younger, diverse speakers seeking to stimulate and engage. Opportunities for corporate partners and exhibitors will happen in dedicated halls as will the ESE tradition of oral presentations on freely chosen subjects in smaller auditoriums. In parallel with all this, we will present a large and diverse array of research posters, educational posters, clinical posters, clinical videos and general endodontic posters designed to cater for participants and delegates from a range of backgrounds. The scientific programme contains also time for delegates to grab a coffee and mingle and interact with what will be the most extensive trade exhibition in our history. As before, our social programme will feature an Opening Ceremony and Welcome Reception as well as other exciting social events.

The recently renovated CNIT Forest in Paris business district La Défense, overlooks the Grand Arche and is located in a new commercial centre, adjacent to large shopping mall with restaurants, coffee shops and bars as well as excellent public transport providing a superb venue for what will be the ESE's first trip to the French capital.

The 22nd ESE Biennial Congress will be supported as before in our trade exhibition of Corporate Partners and Sponsors, and we offer them, as always, our respect and thanks. The ESE Executive Board are confident that with your support the ESE Biennial Congress in Paris will be an important and incredibly enjoyable congress for all people with an interest in endodontics. We in the ESE hope you join us to celebrate endodontics in one of Europe's finest cities!



Prof. Hal Duncan ESE President



COMMITTEES

ESE EXECUTIVE BOARD

President: Hal Duncan

President Elect: Gianluca Gambarini

Treasurer: Vittorio Franco

Chair Education and Scholarship Committee: Fadi Jarad

Chair Research Committee: Matthias Widbiller Chair Clinical Practice Committee: Cristiano Fabiani Chair Membership Committee: Dan Rechenberg

Chair Benefits of Endodontics Committee: Helena Fransson

Chair Engagement and Communications Committee: Laura Andriukaitiene

Chief Operating Officer: Mónica Freire

Administrator: Monika Lang

CLINICAL PRACTICE COMMITTEE

Chair: Cristiano Fabiani Member: Antonietta Bordone Member: Frederic Bukiet Member: Antonis Chaniotis Member: Aleš Fidler

Member: Nicola Grande

Member: Shalini Kanagasingam

Member: Shanon Patel
Member: Hugo Sousa Dias
Member: Tugba Türk
Member: Ruth Perez Alfaiate

RESEARCH COMMITTEE

Chair: Matthias Widbiller Member: Ana Arias

Member: Christos Boutsioukis Member: Sebastian Bürklein Member: Josette Camilleri Member: Saulius Drukteinis

Member: Janja Jan

Member: Aleksandar Jakovljević

Member: Maarten Meire Member: Nastaran Meschi Member: Xenos Petridis Member: Isabelle Portenier

EDUCATION AND SCHOLARSHIP COMMITTEE

Chair: Fadi Jarad

Vice Chairs: Annemarie Baaij, Casper Kruse

Member: Roula Abiad Member: Joanne Cunliffe Member: Joséphine Brodén Member: Vytaute Peciuliene

Member: Maria Pigg Member: Stéphane Simon Member: Jale Tanalp

MEMBERSHIP COMMITTEE

Chair: Dan Rechenberg
Member: Valérie Chevalier
Member: António Ginjeira
Member: Frank Setzer
Member: Hagay Shemesh
Member: Phillip Tomson
Member: Carla Zogheib

BENEFITS OF ENDODONTICS COMMITTEE

Chair: Helena Fransson Member: Cristina Bucchi Member: Stefano Corbella Member: Nastaran Meschi



COMMITTEES

ENGAGEMENT AND COMMUNICATION COMMITTEE

Chair: Laura Andriukaitiene
Member: Ghassan Yared
Member: Hubert Golabek
Member: Inga Jovarauskiene
Member: Massimo Giovarruscio
Member: Monika Eriksson
Member: Sebastian Ortolani

ORGANISING COMMITTEE

Congress Hosts:

French Society of Endodontics

Committee Members:

Hal Duncan (ESE President)

Gianluca Gambarini (ESE President-Elect) Cristiano Fabiani (ESE Clinical Practice

Chair)

Matthias Widbiller (ESE Research Chair)

Vittorio Franco (ESE Treasurer)

Mónica Freire (COO)

Alexis Gaudin (French Society of

Endodontics)

PROFESSIONAL CONGRESS ORGANISER



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Lisbon Office

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Phone: +351 21 324 50 40

Email: eseparis2025@aimgroup.eu





LOCAL INFORMATION

ABOUT PARIS

Capital of France, Paris is a city of timeless elegance, renowned for its breathtaking architecture, iconic landmarks, and world-class museums. Whether you're passionate about art, history, or simply wish to immerse yourself in the Parisian atmosphere, the city offers an endless array of experiences.

LANGUAGE

French is the official language in Paris, but English is widely spoken, especially in tourist areas. Parisians appreciate it when visitors attempt a few basic French phrases like "bonjour" (hello) or "merci" (thank you).

LOCAL TIME

Paris operates on Central European Time (CET)

CURRENCY

The currency in Paris is the Euro (EUR). Most establishments accept major credit cards (Visa, MasterCard, Amex). ATMs are easily accessible throughout the city.

TIPPING

Tipping in Paris is optional as service is typically included in the bill. However, it is common to leave a small tip (5–10%) for exceptional service.

SMOKING

Smoking is prohibited inside restaurants, bars, and public buildings. Designated smoking areas are often available outdoors.

EMERGENCY CONTACTS

Emergency number for police, ambulance, and fire: 112

SHOPPING AND BUSINESS HOURS

Most stores in Paris are open from 9am to 7pm, Monday to Saturday. Some larger stores may stay open later. On Sundays, many stores are closed, but some open until 6pm in popular areas.

VAT - VALUE ADDED TAX

VAT is typically 20% in France. Tourists from outside the EU can request a tax refund for purchases over a certain amount when leaving the country.





LOCAL INFORMATION

ELECTRICITY

Paris uses a 230-volt electrical system. Make sure you have an adapter for European style plugs with two round prongs.

TELEPHONE

The calling code for France is +33

CLIMATE IN PARIS

In September, the average temperature in Paris ranges from 12°C to 20°C (54°F to 68°F), making it ideal for outdoor sightseeing.

VISA INFORMATION

Visitors from outside the EU may need a visa to travel to Paris. Visa letters and support can be obtained from the Congress Secretariat for international delegates.



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CONGRESS GENERAL INFORMATION

CONGRESS VENUE

The 22nd Biennial Congress of the European Society of Endodontology will be held in the city of Paris, France, at CNIT Paris La Défense.

ADDRESS

2 Place de la Défense, 92053 Paris, France

LANGUAGE

The official language of the Congress is English. No simultaneous translation will be provided.

CONGRESS SECRETARIAT & CLOAKROOM OPENING HOURS

Wednesday	3 rd September	08:00 – 18:00
Thursday	4 th September	08:00 – 18:00
Friday	5 th September	08:00 – 18:00
Saturday	6 th September	08:00 – 17:00

SPEAKERS PREVIEW ROOM

Aubépine 1 Room - Level A

All speakers are requested to upload their presentations at the speakers preview room located on the Level A of the venue. A technician will be available at all times for support. You should visit the Speakers Preview Room the latest 2 hours prior to your lecture to discuss with the technician how your slides will be managed. If you have an early morning presentation you should visit the Speakers Preview Room up to 18:00h the day before

SPEAKERS PREVIEW ROOM OPENING HOURS

Wednesday	3 rd September	12:00 – 19:00
Thursday	4 th September	08:00 – 18:00
Friday	5 th September	08:00 – 18:00
Saturday	6 th September	08:00 – 16:00

SPEAKERS LOUNGE

Aubépine 2 Room - Level A

Is open to the invited speakers on the main programme. The speakers lounge will allow you to relax, meet with colleagues and discuss your presentations.



CONGRESS GENERAL INFORMATION

CLOAKROOM

Level A

A cloakroom is available next to the Congress Secretariat area. Delegates must not leave their personal belongings at the venue after the closing time

EXHIBITION OPENING HOURS

Wednesday	3 rd September	19:00 – 21:00
Thursday	4 th September	09:00 – 18:00
Friday	5 th September	09:00 – 18:00
Saturday	6 th September	09:00 – 16:00

CONGRESS NAME BADGE

Participants must wear their badges at all times.

ESE 2025 APP



Download the ESE PARIS app on your smartphone or portable devices from the App store or Google play to access the congress program and all the congress information.







IOS version 12 or later

WI-FI

Dedicated Wi-Fi is available for all congress participants throughout the congress venue:

Network: ESE2025 Password: PARIS2025

MOBILE PHONES

Delegates must keep their phone in the off or silent mode when attending lectures

PHOTOGRAPHY AND VIDEO RECORDING

Delegates must not take photographs or make video recordings of lectures. An official photographer and videographer will record both congress activities at CNIT Paris La Défense and social functions on behalf of the ESE. These pictures may be used by the ESE to promote future activities. If you do not authorize the capture of your images, please advise the Secretariat onsite and inform the photographer or videographer at the time.





CONGRESS GENERAL INFORMATION

COFFEE BREAKS

Complimentary coffees/refreshments will be available for participants in the breaks between the sessions (please check the congress timetable for the coffee break times).

MEALS

Lunch will be available for all delegates in the Trade Exhibition area with seating and table provided throughout the venue.

INSURANCE

The congress organizers cannot accept liability for personal injuries sustained or for loss or damage to property belonging to congress participants, either during or as a result of the congress. Please ensure you have a valid personal insurance.

ese II



SOCIAL PROGRAMME

WEDNESDAY, 3RD SEPTEMBER

OPENING CEREMONY AND WELCOME RECEPTION

The **Opening Ceremony** will take place at 18:00 on Wednesday, 3rd September 2025 in Hall 1 of the CNIT Paris La Défense. Please arrive at the venue early to allow sufficient time for registration and to collect your participant badge that is essential for your entry to the building.

The **Welcome Reception** will take place after the Opening Ceremony in the Exhibition Hall of the CNIT Paris La Défense from approximately 19:00 to 21:00. Entrance is subject to registration and display of the congress badge. The reception is free for participants. Accompanying persons can attend if they are registered and have paid the appropriate fee.

Food and beverages: complimentary drinks and finger food.

THURSDAY, 4TH SEPTEMBER

ESE RECEPTION





Venue:

Paquebot cruise on the River Seine

Date/time:

Thursday 4th September 2025 from 19:30 – 23:30

Food and beverages:

Welcome drink & Entertainment

Address:

Port Javel Haut, Paris 15

Accompanying persons may attend if they are registered and have paid the appropriate fee.

Dress Code:

Smart Casual

Please note that transportation won't be provided, so participants will need to arrange their own travel to and from the venue.



SOCIAL PROGRAMME

Children (under 18 years old): Delegates must be aware that the social events at the ESE congress are likely to be very crowded and will involve the availability of alcoholic drinks. In addition, the Welcome Reception will be held in the Trade Exhibition area where a considerable amount of valuable equipment will be on display. Delegates with children should take account of these circumstances should they wish to bring children to the social events on Thursday and Friday.

As a result, the ESE has developed the following policy for children:

- · Children between 12 and 18 years may attend the Welcome Reception on Wednesday, ESE Reception on Thursday BUT are required to be registered as accompanying persons and pay the appropriate fee.
- · Children under the age of 12 years may attend the Welcome Reception on Wednesday and the ESE Reception on Thursday on the understanding that the venues will be crowded.

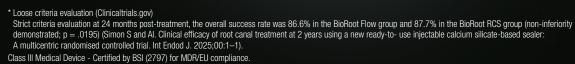
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MEETINGS & FUNCTIONS

(INVITATION ONLY)

EDUCATION WORKSHOP: POSTGRADUATE EDUCATION IN ENDODONTOLOGY

Wednesday, 3rd September, from 13:00 to 17:00 – Aubépine 3+4 Room, Level A

ESE GENERAL ASSEMBLY

Wednesday, 3rd September, from 10:00 to 17:30 – Dragonnier 3 Room, Level D

ESE INDIVIDUAL MEMBERS LUNCH

Thursday, 4th September, from 12:30 to 13:30 – Acacia 3+4 Room, Level A

ESE REGISTERED POSTGRADUATE STUDENT MEMBERS LUNCH

Friday, 5th September, from 12:30 to 14:30 – Acacia 3+4 Room, Level A

OPEN HEARING SESSION

AAE / ESE Diagnostic Terminology Open Hearing

Wednesday, 3rd September, from 15:30 to 17:00 – Aubépine 6 Room, Level A

POSTGRADUATE STUDENT EDUCATION IN ENDODONTOLOGY WORKSHOP

Wednesday, 3rd September, from 13:00 to 17:00 - Aubépine 3 +4 Rooms, Level A

REGIONAL SOCIETIES MEETING

Thursday, 4th September from 15:30 to 1:h30 - Acacia 3+4 Room, Level A

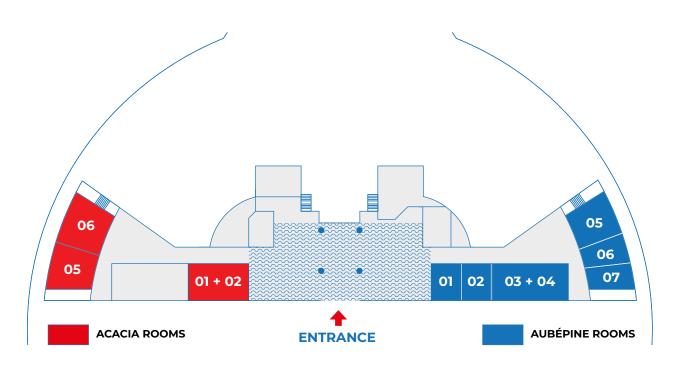




CONGRESS VENUE FLOORPLAN

WEDNESDAY

LEVEL A



- 06 PCC1 UPDATED INSTRUMENT RETRIEVAL TECHNIQUES.
- **05 PCC2** IMPROVING YOUR CHANCES OF PUBLICATION IN THE LEADING ENDODONTIC JOURNALS AN INTERACTIVE WORKSHOP
- 01 + 02 PCC3 VITAL PULP HERAPY
 - **01** SPEAKER PREVIEW ROOM
 - **02** SPEAKER LOUNGE
- 03 + 04 EDUCATION WORKSHOP.
 POSTGRADUATE EDUCATION IN ENDODONTOLOGY.
 - 05 PCC FOTONA
 - 06 AAE / ESE DIAGNOSTIC TERMINOLOGY OPEN HEARING
 - 07 PCC4 CERTIFIED AND SPECIALIST MEMBER WORKSHOP: MANAGEMENT OF CALCIFICATION IN ENDODONTICS.

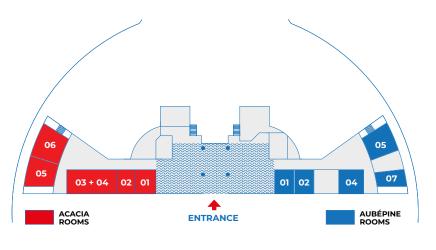


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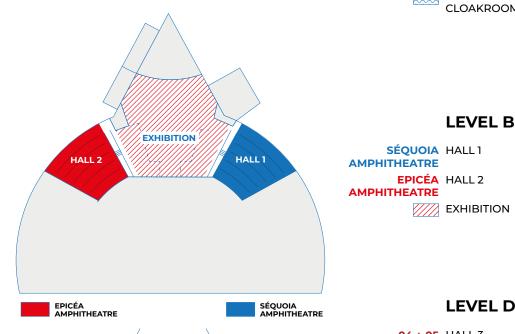
CONGRESS VENUE FLOORPLAN

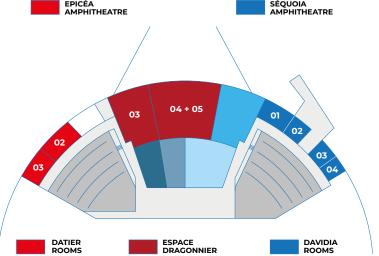
THURSDAY / FRIDAY / SATURDAY



LEVEL A

- **01** PLATINUM SPONSOR ROOM **HENRY SCHEIN**
- 02 PLATINUM SPONSOR ROOM WOODPECKER
- 03 + 04 ESE CLOSED LUNCHES
 - **05** MULTI-PURPOSE ROOM
 - **06** ESE EXECUTIVE BOARD
 - **01** SPEAKER PREVIEW ROOM
 - **02 INVITED SPEAKERS LOUNGE**
 - **05** WORKSHOPS ROOM: MORITA EUROPE / ZARC
 - **07** PLATINUM SPONSOR ROOM **DENTSPLY SIRONA**
 - REGISTRATIONS & CLOAKROOM





LEVEL D

- 04 + 05 HALL 3
 - **03** HALL 4
 - 01 HALL 5
 - 02 HALL 6
 - 03 HALL 7
 - 04 QUIET ROOM
 - 03 HALL 8
 - **02** HALL 9
 - RESEARCH POSTERS AREA **EDUCATIONAL POSTERS**
 - **GENERAL ENDODONTIC** POSTERS AREA
 - **CLINICAL E-POSTERS AREA**





TIMETABLE PRE-CONGRESS COURSES

WEDNESDAY, 3RD SEP. 2025

ACACIA 06	ACACIA 05	ACACIA 01 + 02
09:00 – 17:00	14:00 - 17:30	13:30 – 17:00
ESE Pre-Congress Course 1:	ESE Pre-Congress Course 2:	ESE Pre-Congress Course 3:
Updated instrument retrieval techniques. Led by Yoshitsugu Terauchi	Improving your chances of publication in the leading Endodontic journals - an interactive workshop. Led by Anil Kishen	Vital Pulp Therapy. Led by Phillip Tomson and Roberto Careddu
13:00 – 13:30 LUNCH	15:30 – 16:00 COFFEE-BREAK	15:30 – 16:00 COFFEE-BREAK
15:30 – 16:00 COFFEE-BREAK		

0	AUBÉPINE 07	AUBÉPINE 05	AUBÉPINE 06
0	13:00 – 17:00	14:00 - 17:30	15:30 – 17:00
	ESE Pre-Congress Course 4:	Fotona Pre-Congress Course:	Open Hearing:
	Certified and specialist member workshop: Management of calcification in endodontics Led by Antonis Chaniotis and Peter Kiefner	Mastering Laser Endodontics: The Power of SWEEPS® Photoacoustic Irrigation Speakers: Giovanni Olivi and Mustafa Gündogar	AAE/ESE Diagnostic Terminology Open Hearing
	13:00 – 13:30 LUNCH	15:30 – 16:00 COFFEE-BREAK	15:30 – 16:00 COFFEE-BREAK
	15:30 – 16:00 COFFEE-BREAK		

0	HALL 1 - SÉQUOIA AMPHITHEATRE	EXHIBITION AREA (LEVEL B)
0	18:00 - 19:00	19:00 - 21:00
	Opening Ceremony	Welcome Reception
	Keynote: Jean-luc Doumont The three laws of communication	



SATELLITE WORKSHOPS

THURSDAY 4TH SEPTEMBER

- **O AUBÉPINE 05**
- (10:00-18:00

Zarc Workshop

Contemporary Endodontics - Minimally Invasive Solutions

Speakers: Shanon Patel and José Aranguren

FRIDAY 5TH SEPTEMBER

- **O AUBÉPINE 07**
- 11:00 13:00

Dentsply Sirona Workshop

Conservative single-file reciprocating instrumentation without glide path? Speakers: Gustavo De Deus and Ghassan Yared

- O ACACIA 01
- 14:00 16:00

Henry Schein Workshop

XP-4D Workflow: Exploring new potentials

Speaker: Adham Azim

- O ACACIA 02
- 16:00-18:00

Woodpecker Workshop

Work Smarter, not Harder: Minimizing Debris Through Improved Instrumentation and Irrigation

Speaker: Carlos Alberto Spironelli Ramos

SATURDAY 6TH SEPTEMBER

- O AUBÉPINE 05
- 09:00 11:00

Morita Europe Workshop

Advanced Strategies for Managing Curved Canals: workshop with TriAuto ZX2+ and the OGP2 Motion

Speaker: Hugo Sousa Dias



TIMETABLE CONGRESS

THURSDAY, 4TH SEP. 2025

	HALL 1	HALL 2	HALL 3	HALL 4	HALL 5
	AMPHITHEATRE SÉQUOIA	AMPHITHEATRE EPICÉA	DRAGONNIER 04+05	SPONSORED LECTURES DRAGONNIER 03	DAVIDIA 01
09:00	Josette Camilleri: Quality control	Anibal Diogenes: Neurophysiology of			
09:40	and research in endodontic materials	Pulpal and Apical Inflammation	Symposium 1: Practice-based		ESE Wladimir Adlivankine Research Prize
	Franck Diemer:	Emmanuel Silva: Comprehensive	research networks. Led by <i>Lise-Lotte</i>		Competition
09:45 - 10:30	Revisiting root canal shaping: from file behaviour to smart instrumentation	Methods for Evaluating NiTi Instruments: Bridging Insights to Clinical Practice	Kirkevang		Led by Matthias Widbiller
10:30	COFFEE-BREAK				
	Antonia Chanistia			Woodpecker Lecture	
11:00	Antonis Chaniotis: Negotiating Chal-	Shaul Lin:		Abdelrahman Hamouda:	
- 11:40	lenging Root Canal Systems. Instruments and techniques	Cellular mechanisms of root resorption	Symposium 1 (cont.): Practice-based research networks.	Adult pulpotomy essentials: a new era in minimally invasive end- odontics	The Paul Dumm Research Poste Award - oral presentations
	Gianluca Plotino:	Lara Friedlander:	Led by Lise-Lotte		Led by Matthias
11:45 - 12:30	Root canal prepara- tion, where are we and where are we going?	Endodontics and diabetes – let's not sugarcoat the tooth/truth!	Kirkevang		Widbiller
12:30	LUNCH		-		
13:30	POSTER PRESENTATIO	NS / TRADE EXHIBITION	ı		
14:30 - 15:10	Shanon Patel: Effective management of External Cervical	Symposium 2:	Symposium 3: Management of	14:30 - 15:15 Dental Perfect Lecture Alexandru Gliga: Imaging Limitations and Evidence-Based Intervention in Endodontics.	
	Resorption	Innovations in endodontic	Traumatic dental injuries: Strategies	An Integrative Clinical Analysis	Clinical Poster Award Oral presentations
	Resorption	in endodontic education	Traumatic dental injuries: Strategies and Solutions	_	Award Oral presentations Led by Cristiano
15:15	Rubens Spin-Neto:	in endodontic	Traumatic dental injuries: Strategies	Analysis	Award Oral presentations
15:15	Rubens Spin-Neto: MRI in endodontics	in endodontic education Led by <i>Fadi Jarad</i>	Traumatic dental injuries: Strategies and Solutions Led by <i>Gabriel</i>	Analysis 15:20 - 16:05 Henry Schein	Award Oral presentations Led by Cristiano
15:15 - 16:00	Rubens Spin-Neto:	in endodontic education Led by <i>Fadi Jarad</i>	Traumatic dental injuries: Strategies and Solutions Led by <i>Gabriel</i>	Analysis 15:20 - 16:05 Henry Schein Endodontics Lecture	Award Oral presentations Led by Cristiano
-	Rubens Spin-Neto: MRI in endodontics - the future of	in endodontic education Led by <i>Fadi Jarad</i>	Traumatic dental injuries: Strategies and Solutions Led by <i>Gabriel</i>	Analysis 15:20 - 16:05 Henry Schein Endodontics Lecture Roberto Fornara: Making complex cases simple: optimizing arma-	Award Oral presentations Led by Cristiano
16:00 16:00	Rubens Spin-Neto: MRI in endodontics - the future of diagnostic imaging? COFFEE-BREAK Alexis Gaudin:	in endodontic education Led by <i>Fadi Jarad</i>	Traumatic dental injuries: Strategies and Solutions Led by <i>Gabriel</i>	Analysis 15:20 - 16:05 Henry Schein Endodontics Lecture Roberto Fornara: Making complex cases simple: optimizing arma-	Award Oral presentations Led by Cristiano Fabiani Clinical Video
- 16:00	Rubens Spin-Neto: MRI in endodontics - the future of diagnostic imaging? COFFEE-BREAK	in endodontic education Led by <i>Fadi Jarad</i>	Traumatic dental injuries: Strategies and Solutions Led by <i>Gabriel</i>	Analysis 15:20 - 16:05 Henry Schein Endodontics Lecture Roberto Fornara: Making complex cases simple: optimizing arma-	Award Oral presentations Led by Cristiano Fabiani



TIMETABLE CONGRESS

THURSDAY, 4TH SEP. 2025

	HALL 6 DAVIDIA 02	HALL 7 DAVIDIA 03	HALL 8 DATTIER 03	HALL 9 DATTIER 02	WORKSHOPS AUBÉPINE 05
09:00 - 09:40	ESE Education Prize Competition				
09:45 - 10:30	Led by Fadi Jarad				
10:30	COFFEE-BREAK				
11:00 - 11:40	The John Whitworth Education Poster Award				
11:45 - 12:30	Oral presentations Led by Fadi Jarad				
12:30	LUNCH				
13:30	POSTER PRESENTATIO	ONS / TRADE EXHIBITION	ı		
14:30 15:10 15:15 16:00	Oral presentations on freely chosen subjects Access cavity preparation Microbiology	Oral presentations on freely chosen subjects Artificial Intelligence	Oral presentations on freely chosen subjects Assessment (knowledge, preclinical and clinical) Biocompatibility and bioactivity	Oral presentations on freely chosen subjects Canal filling - hydraulic calcium silicate cements	
16:00	COFFEE-BREAK				
16:30 - 17:10		Oral presentations on freely chosen	Oral presentations on freely chosen subjects Canal preparation -	Oral presentations on freely chosen subjects Canal filling - hydraulic calcium	16:00 - 18:00 Zarc Workshop
17:15 - 18:00	Oral presentations on freely chosen subjects Canal filling - sealers	subjects Artificial Intelligence New clinical techniques or materials	apical extrusion Canal preparation - cyclic fatigue and fracture Canal preparation - other	silicate cements Canal filling - other Root Canal Calcification and Apical Periodontitis - An Endodontic Treatment Challenge Root fractures	Shanon Patel and José Aranguren: Contemporary Endodontics - Minimally Invasive Solutions



TIMETABLE CONGRESS

FRIDAY, 5TH SEP. 2025

	HALL 1 AMPHITHEATRE SÉQUOIA	HALL 2 AMPHITHEATRE EPICÉA	HALL 3 DRAGONNIER 04+05	HALL 4 SPONSORED LECTURES DRAGONNIER 03	HALL 5 DAVIDIA 01
09:00 _ 09:40	Sebastian Bürklein: Strategies for pain free root canal treatment	Yusuke Takahashi: VPT for irreversible pulpitis - from diagnosis to treat- ment	Symposium 4: Vital pulp therapies and research:		Symposium 5: Young Emerging
09:45 - 10:30	Chassan Yared: Root canal instrumentation: evolution, innovation and the future	Aleksandar Jakovljevic: Genetic susceptibility to apical periodontitis development	from biological principles to clinical and educational aspects. Led by Valérie Chevalier	09:50 - 10:35 Coltene Lecture Sebastian Ortolani: Bioceramic materials in endodontics: principles, types, and the emergence of hybrid bioceramics	Academics Symposium Led by Hagay Shemesh and Alexandru Gliga
10:30	COFFEE-BREAK				
11:00 - 11:40	Frank Setzer: Artificial Intelligence in Endodontics	Jean-Pierre Siquet: Ergonomics in endodontic practice	Symposium 4 (cont.): Vital pulp therapies and research: from biological	11:00 - 11:45 Henry Schein Lecture Adham Azi and Matthias Zehnder: Improving efficiency of Endodontic Treatment	
11:45 - 12:30	Emi Shimizu: Challenges, Opportunities and New Perspectives in Endodontology	Frédéric Bukiet: Is hydraulic condensation with calcium silicate- based sealers as simple as it seems?	from biological principles to clinical and educational aspects. Led by Valérie Chevalier	11:50 - 12:35 Woodpecker Lecture Carlos Spironelli Ramos: The clean paradox: minimizing debris through smarter instrumentation and irrigation	
12:30	12:30 - 12:45	LUNCH			
13:30	Prizes and Awards POSTER PRESENTATION	ONE / TRADE EVUIDITION	ON		
14:30 - 15:10	Paula Villa: Endodontic Microsurgery: New Frontiers and Challenges	Symposium 6: Thinking outside the Endodontic	Symposium 7: Root canal microbiome and next-generation antimicrobial	14:30 - 15:15 Suzhou Ramo Medical Instrument Co., Ltd. Lecture Alaa Al Atta: Simplifying endo: real cases, proven solutions	Symposium 8 Certified & Special Members: Root canal calcification and
15:15 - 16:00	Ove Peters: P4 Endodontics: A Path Towards Efficacious Lifelong Care?	Box Led by Julian Leprince	strategies in endodontics. Led by Ronald Ordinola Zapata	15:20 - 16:05 Fanta Dental Lecture Emre Övsay: Shaping the future: revolutionizing anatomical precision in endodontics	apical periodontitis. An endodontic treatment challenge Led by Antonis Chaniotis and Peter Kiefer
16:00	COFFEE-BREAK				
16:30 - 17:10	Anil Kishen: Targeted antimicrobials: is clinical translation possible?	Symposium 6 (cont.): Thinking outside	Symposium 7 (cont.): Root canal microbiome and post generation	16:30 - 17:15 Dentsply Sirona Lecture Ghassan Yared and Gustavo De Deus:	Symposium 8 (con Certified & Special Members: Root canal calcification and
17:15 - 18:00	Claudia Brizuela: Precision Dentistry: Biomarkers in Endodontics for Advanced Clinical	the Endodontic Box Led by Julian Leprince	next-generation antimicrobial strategies in endodontics. Led by Ronald Ordinola Zapata	Clinical and scientific as- sessment of a conservative reciprocating instrument for use in complex canals in a single-file technique without scouting or glide path preparation	apical periodontitis An endodontic treatment challence Led by Antonis Chaniotis and Peter Kiefner



TIMETABLE CONGRESS

FRIDAY, 5TH SEP. 2025

	HALL 6	HALL 7	HALL 8	HALL 9	WORKSHOPS
	DAVIDIA 02	DAVIDIA 03	DATTIER 03	DATTIER 02	
09:00		Oral presentations on freely chosen subjects		Oral presentations	
09:40	Oral presentations on freely chosen subjects	New clinical techniques or materials Augmented & Virtual	Oral presentations on freely chosen subjects	on freely chosen subjects Clinical outcome studies - endodontic	
09:45 - 10:30	Canal preparation - shaping ability	Reality in Endodontic Training and Practice Electronic apex	Case report or case series	clinical outcome studies - regenerative	
10.50		locators and working length determination		endodontics	
10:30	COFFEE-BREAK				
11:00				Oral presentations on freely chosen subjects	
11:40	Oral presentations on freely chosen subjects	Oral presentations on freely chosen subjects	Oral presentations on freely chosen subjects	Clinical outcome studies - root canal treatment and retreatment	
11:45	Clinical outcome studies - other	Clinical outcome studies - vital pulp therapy	Case report or case series	Clinical outcome studies - other	
- 12:30				Clinical outcome studies - vital pulp therapy	
12:30	LUNCH				
13:30	POSTER PRESENTATION	ONS / TRADE EXHIBITION	l .		
14:30					
- 15:10	Oral presentations on freely chosen subjects	Oral presentations on freely chosen subjects	Oral presentations on freely chosen	Oral presentations	
	Clinical outcome studies - root canal	Endodontic Radiology Endodontics	subjects Case report or case	on freely chosen subjects Endodontic surgery	
15:15	treatment and retreatment	Curriculum Development	series	Endodoniae sargery	
16:00		Development			
6:00	COFFEE-BREAK				
16:30					16:00 - 18:00
- 17:10					ACACIA 02
	Oral presentations on freely chosen subjects	Oral presentations on freely chosen subjects	Oral presentations on freely chosen	Oral presentations on freely chosen subjects	Woodpecker Workshop Carlos Alberto
	Endo-perio lesion	Irrigants /	subjects Traumatic dental	Pulp and periapical	Spironelli Ramos: Work Smarter,
17:15 - 18:00	Epidemiology Imaging	medicaments - antimicrobial activity	injuries	tissue biology and pathology	not Harder: Minimizing Debris Through Improved Instrumentation ar



TIMETABLE CONGRESS

SATURDAY, 6TH SEP. 2025

	HALL 1 AMPHITHEATRE	HALL 2 AMPHITHEATRE	HALL 3 DRAGONNIER	HALL 4 SPONSORED	HALL 5 DAVIDIA 01
	SÉQUOIA	EPICÉA	04+05	LECTURES DRAGONNIER 03	
99:00 - 99:40	Marco Versiani: Under Pressure: Decoding the Mechanical Behavior of NiTi Instruments	Symposium 9: New perspectives in apical periodontitis:			
09:45 - 10:30	Yoshitsugu Terauchi: The latest updates of minimally and predictable instrument retrieval	apical periodontitis: the role of immune system and the effects of immunomodulators on prevalence and treatment outcome of endodontic disease Led by Francesco Mannocci and Elisabetta Cotti	Symposium 10: Controversial terms in Endodontology Led by <i>Hany Ahmed</i>	09:50 - 10:35 SHENZHEN DENCO MEDICAL CO., LTD Lecture Andreas Louloudiadis: Dual innovation for single excellence: the Denco Dual Shaper File advantage	Oral presentations on freely chosen subjects Regenerative endodontics
10:30	COFFEE-BREAK				
11:00 - 11:40	Hagay Shemesh: Rethinking the Routine: CBCT in Endodontic Practice	Symposium 9 (cont.): New perspectives in apical periodontitis: the role of immune system and the effects of immunomodulators on prevalence and treatment outcome of endodontic disease Led by Francesco Mannocci and Elisabetta Cotti	Symposium 10 (cont.): Controversial terms in	11:00 - 11:45 FOTONA Lecture Roeland DeMoor: Laser-activated irrigation (LAI) and specific biofilm interactions	Oral presentations on freely chosen subjects
11:45 - 2:30	Giampiero RossiFedele: A clinical perspective: quality of life in endodontics		Endodontology Led by <i>Hany Ahmed</i>		Regenerative endodontics
2:30	LUNCH				
3:30	POSTER PRESENTATION	NS / TRADE EXHIBITION			_
4:30 - 15:05	Moritz Kebschull: What is new in periodontal diagnostics and treatment?	Symposium II:			
15:10 - 5:40	Guillaume Jouanny: How far can we go in Endodontic Microsurgery	Is endodontics overregulated? Led by Matthias Zehnder and Hal			Oral presentations on freely chosen subjects Retreatment Simulation
5:45 - 16:15		Duncan			





TIMETABLE CONGRESS

SATURDAY, 6TH SEP. 2025

	HALL 6 DAVIDIA 02	HALL 7 DAVIDIA 03	HALL 8 DATTIER 03	WORKSHOPS AUBÉPINE 05
09:00 _ 09:40		Oral presentations on		09:00 - 11:00 Morita Europe Workshop
09:45 - 10:30	Oral presentations on freely chosen subjects Restoration of root canal filled teeth	freely chosen subjects Irrigants/medicaments - canal cleaning Irrigants/medicaments - other	Oral presentations on freely chosen subjects Case report or case series Traumatic dental injuries	Hugo Sousa Dias: Advanced Strategies for Managing Curved Canals: workshop with TriAuto ZX2+ and the OGP2 Motion
10:30	COFFEE-BREAK			
11:00 - 11:40	Oral presentations on freely chosen subjects Tooth and canal anatomy	Oral presentations on freely chosen subjects Irrigants/medicaments - other	Oral presentations on freely chosen subjects UG Learning & Teaching (knowledge, preclinical and clinical) PG Learning & Teaching (knowledge, preclinical and clinical) Digital Tools for Endodontic Education	
11:45 - 12:30				
12:30	LUNCH			
13:30	POSTER PRESENTATIONS / TRADE EXHIBITION			
14:30 - 15:05	Oral presentations on			
15:10 - 15:40	Feedback, mentoring and coaching Innovations for education and improving endodontic	Oral presentations on freely chosen subjects Other	Oral presentations on freely chosen subjects Other	
15:45 - 16:15	care			



PRE-CONGRESS COURSES

WEDNESDAY, 3RD SEP. 2025

The Pre-Congress Courses will be followed by the Opening Ceremony and the Welcome Reception.

O ROOM ACACIA 06

() 09:00 – 17:00

ESE PRE-CONGRESS COURSE 1

Updated instrument retrieval techniques

Red by Yoshitsugu Terauchi



Yoshitsugu Terauchi

I declare that I have a past or present financial interest/arrangement, consulting position, or affiliation with the corporate organization(s) whose product(s) I will discuss in my presentation.

Overview

An instrument fracture is very frustrating. Instrument retrieval is even more frustrating and considered more challenging than any other procedure in endodontics. The literature shows that when NiTi instruments fracture, they mostly fracture in the apical one-third or beyond a curve of the canal because of the super-elastic property of NiTi instruments. Although the success rates of instrument retrieval with ultrasonics alone are very high in the range of 80 to 90 %, ultrasonic retrieval attempts are deemed to be unpredictable in terms of time and dentin sacrifice. It is also essential to preserve as much tooth structure as possible to prevent root fracture and perforation. In the workshop unique updated techniques for instrument retrieval using a new "TFRK" or martensitic NiTi rotary files will be shown to make the instrument retrieval highly predictable and minimize dentin sacrifice. The instrument retrieval techniques presented in the workshop are also supported by a recent study published from JOE because of predictability and higher success rates compared to the traditional techniques.

Aims

To learn updated instrument retrieval techniques

Learning Outcomes

- 1. describe how to make an accurate diagnosis for instrument retrieval
- 2. make a predictable treatment plan for instrument retrieval
- 3. understand the concept of instrument retrieval
- 4. make it minimally invasive and predictable to prepare the canal for instrument retrieval
- 5. choose the best technique to make the removal attempts successful

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PRE-CONGRESS COURSES

WEDNESDAY, 3RD SEP. 2025

© ROOM ACACIA 05

14:00 – 17:30

ESE PRE-CONGRESS COURSE 2

Improving your chances of publication in the leading Endodontic journals - an interactive workshop

Red by Anil Kishen

Speakers: Sebastian Bürklein; Anil Kishen; Venkateshbabu Nagendrababu; Giampiero Rossi-Fedele



Anil Kishen

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Overview

Faculty members, clinicians, and students invest significant time in preparing manuscripts on Endodontics. Recently, there has been a notable increase in submissions to top endodontic journals. Unfortunately, many of these manuscripts are rejected due to various issues identified during the peer review process by reviewers, associate editors, and editors-in-chief. This workshop is designed to provide a comprehensive understanding of the publication process and to offer strategies for enhancing the quality of manuscripts.

Aims

This workshop will offer a comprehensive understanding of the publication process, as well as strategies to enhance manuscript content, thereby increasing the likelihood of acceptance in leading journals in Endodontics.

Learning Outcomes

Upon completion of the workshop, participants will be able to:

- understand the publication process
- · understand the significance of the reporting guidelines
- · compose a manuscript for publication
- · respond to the reviewers' comments

Programme Outline

14:00 - 14:30 Introduction about the workshop Understanding the Publication Process Conducting a Literature Review Reporting guideline

Giampiero Rossi-Fedele

14:30 - 15:30 How to write a compelling introduction and discussion Giampiero Rossi-Fedele



Giampiero Rossi-Fedele

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PRE-CONGRESS COURSES

WEDNESDAY, 3RD SEP. 2025

15:30 - 16:00 Study design, statistics and ethical considerations Sebastian Bürklein



Sebastian Bürklein

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16:00 - 17:00 What do reviewers look for in your manuscript? *Anil Kishen*



Anil Kishen

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17:00 - 17:30 Question and Answer session

O ROOM ACACIA 01 + 02

(1) 13:30 – 17:00

ESE PRE-CONGRESS COURSE 3

Vital Pulp Therapy

🙎 Led by Phillip Tomson and Roberto Careddu



Phillip Tomson

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Roberto Careddu

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Overview

Dentists are not recognised as pioneers of tissue regeneration but perhaps they should be as they have been using tissue regenerative techniques for almost a hundred years. Our biological understanding of healing of the dental pulp is increasing at an exponential rate. Vital pulp therapies (VPTs) offer a minimally invasive approach to the management of pulpal disease preventing the need for more invasive techniques such as root canal therapy, which can advance the tooth along the restorative cycle. VPTs have proven to be much more predictable than dogma may suggest, even in what are considered the most terminal situations such as irreversible pulpitis. Careful management of the injured or exposed pulp can result in a predictable successful outcome preserving the defense system of the tooth.



PRE-CONGRESS COURSES

WEDNESDAY, 3RD SEP. 2025

Aims

This course will guide participants through all aspects of VPT from an overview of the biological mechanisms of the pulp through to the practical execution of treatment. There will be an opportunity for hands on exercises and clinical cases discussion in order to help the delegates to put into practice what has been learnt.

Learning Outcomes

- · understand the physiology of the pulp in health and disease
- understand the biological basis for a conservative approach for maintaining pulp vitality
- be able to carry out a systematic approach to be able to diagnose pupal problems
- · develop a pragmatic approach to the use of diagnostic terminology
- · gain an understanding of key procedural elements in order to perform VPTs
- · have a clear understanding of how and when to perform VPTs
- · understand the key benefits of using HCSCs and their different properties
- · develop experience in VPTs through case discussion
- walk away with a clear understanding of how and when to perform VPTs when the appropriate case arrives in your surgery the week after this course

Programme Outline

Is the dental pulp the root filling of the future? Vital pulp therapy - everything you need to know

Phillip Tomson



Phillip Tomson

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Is the dental pulp the root filling of the future? Vital pulp therapy - everything you need to know (cont.)

Roberto Careddu



Roberto Careddu

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PRE-CONGRESS COURSES

WEDNESDAY, 3RD SEP. 2025

© ROOM AUBÉPINE 07

(1) 13:00 – 17:00

ESE PRE-CONGRESS COURSE 4

Certified and Specialist member workshop: Management of calcification in endodontics

Red by Antonis Chaniotis and Peter Kiefner



Antonis Chaniotis

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Peter Kiefner

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Overview

Hard tissue apposition along the root canal walls is a slow, normally occurring physiological aging process. In response to tooth wear, local deposition of hard tissue may also occur in the pulp at a slow pace. Sometimes, the rate of hard tissue deposition acceleration may seem to be uncontrolled after dental trauma, auto-transplantation, and orthodontic therapy, leading to rapid partial or total obliteration of the root canal space. This situation is called calcific metamorphosis (CM) or pulp canal obliteration (PCO). Although the incidence of pulpal necrosis in these teeth is believed to be infrequent, conventional endodontic therapy in severely calcified canals poses extreme difficulties and a higher risk for procedural accidents.

Aims

This workshop aims to describe and practice the available approaches for the predictable negotiation of calcified canals.

Hands on practice

Free hand approach - Static guidance - Dynamic guidance

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PRE-CONGRESS COURSES

WEDNESDAY, 3RD SEP. 2025

O ROOM AUBÉPINE 05

(1) 14:00 – 17:30

FOTONA PRE-CONGRESS COURSE

Mastering Laser Endodontics: The Power of SWEEPS® Photoacoustic Irrigation Speakers: Giovanni Olivi and Mustafa Gündogar



Giovanni Olivi

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Mustafa Gündogar

I declare that I have a past or present financial interest/arrangement, consulting position, or affiliation with the corporate organization(s) whose product(s) I will discuss in my presentation





PRE-CONGRESS COURSES

WEDNESDAY, 3RD SEP. 2025

Aims

In this workshop, participants will discover the latest developments on Er:YAG laser technology, highlighting SWEEPS® modality, a groundbreaking method for 3D cleaning and disinfection of the root canal system. By using Er:YAG laser to activate commonly used endodontic irrigants, the laser tip remains stationary in the access cavity while irrigating the entire root canal system. The synchronized ultra-short laser pulses induce rapid bubble collapse, generating shockwaves that penetrate even the most intricate and narrow root canals. SWEEPS® irrigation addresses a key limitation of traditional chemo-mechanical methods, achieving thorough cleaning, debridement, and disinfection in anatomically complex root canal systems.

Learning Outcomes

In this workshop, participants will gain theoretical knowledge on Fotona's SWEEPS® technology, learning how it enhances root canal cleaning and disinfection through advanced cavitation and microstreaming dynamics. Additionally, the workshop will provide hands-on experience, allowing participants to apply their knowledge by practicing on transparent teeth models, giving them a unique opportunity to directly engage with the technology in a practical setting.

Pre-Congress Courses Rules

- Pre-registrations for Pre-Congress Courses available online on a first come first served basis and open until 1st September. After this date registrations can only be made Onsite and subject to availability.
- · Pre-registrations are subject to registration and payment
- · Cancellations are allowed until 1st September.
- Changes between participants are not allowed.
- · Waiting list will not be available, cancellation slots will be made available online via the registration form or at the Onsite Registrations desk on a first come first served basis
- Access control will be made at Pre-Congress Course entrance. Make sure to sign the attendance list.
- · Certificate of attendance will be provided after the congress.

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SATELLITE WORKSHOPS

WEDNESDAY, 3RD SEP. 2025



ROOM AUBÉPINE 03+04



CLOSED SESSION (BY INVITATION ONLY):

Postgraduate Education in Endodontology Workshop Led by *Annemarie Baaij*



Annemarie Baaij

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Overview

What is it currently, and what should it be? – An interactive afternoon with programme directors

During this workshop, we aim to explore the similarities and differences in our programmes, the reasons for that, and create opportunities to learn and inspire each other. Everyone's thoughts and ideas are important, so please be prepared to share with your colleagues. We may be surprised by the challenges and approaches we share or by learning about situations that are so different in one country to the other and resulting in different strategies. We hope that everyone will take away something useful and we believe that it is nice to get to know each other.

Workshops Rules

- Pre-registrations for Satellite Workshops available on a first come first served basis and open until 1st September. After this date registrations can only be made Onsite and subject to availability.
- · Cancellations are allowed until 1st September.
- · Changes between participants are not allowed.
- · Waiting list will not be available, cancellation slots will be made available online via the registration form or at the Onsite Registrations desk on a first come first served basis
- · Access control will be made at workshop entrance. Make sure to sign the attendance list.
- · Certificate of attendance will be provided after the congress



SATELLITE WORKSHOPS

THURSDAY, 4TH SEP. 2025



ROOM AUBÉPINE 05



ZARC WORKSHOP

Contemporary Endodontics - Minimally Invasive Solutions Speakers: Shanon Patel and José Aranguren



Shanon Patel



José Aranguren

Overview

Endodontic treatment has undergone a remarkable evolution in recent years, making minimally invasive endodontics more predictable and efficient. In this course, an evidenced based approach as well as our clinical experience will be shared with delegates.

Aim

The workshop will focus on the performance of the latest generation of Zarc NiTi files designed for minimally invasive endodontics (MIE). The world's first dual phase (Artensitic & Martensitic) file will be discussed and used in detail, its advantages over conventional single-phase files will be explained.

Hydraulic calcium silicate cements have grown in popularity over the last 2 decades, when used correctly they offer efficient and simple obturation, their relevance will be discussed in this presentation.

Learning Objectives

- · Appreciate the relevance of MIE for ensuring longevity of root treated teeth
- · Recognise the importance of establishing a glide path
- Understand how the latest Dual wire NiTi can effortlessly and minimally instrument canals
- Gain an insight into single point obturation with the latest hydraulic calcium silicate (Bioceramic) seale

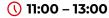


SATELLITE WORKSHOPS

FRIDAY, 5TH SEP. 2025



ROOM AUBÉPINE 07



DENTSPLY SIRONA WORKSHOP

Conservative single-file reciprocating instrumentation without glide path? Speakers: Gustavo de Deus and Ghassan Yared



Gustavo de Deus

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Ghassan Yared

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Aim

This workshop introduces a conservative reciprocating instrument designed for single-file use without prior scouting or glide path preparation. Participants will have the opportunity to use this instrument in challenging canals to experience its shaping efficiency and appreciate how its conservative shaping still allows effective irrigation and obturation with matched gutta-percha cones.

Learning Objectives

- Appreciate the relevance of MIE for ensuring longevity of root treated teeth
- · Recognise the importance of establishing a glide path
- Understand how the latest Dual wire NiTi can effortlessly and minimally instrument canals
- Gain an insight into single point obturation with the latest hydraulic calcium silicate (Bioceramic) seale



ROOM ACACIA 01



HENRY SCHEIN WORKSHOP

XP-4D Workflow: Exploring new potentials Speaker: *Adham Azim*



Adham Azim

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SATELLITE WORKSHOPS

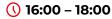
FRIDAY, 5TH SEP. 2025

Aim

With the massive improvements in rotary files, root canal instrumentation became very predictable with minimal mishaps during treatment. Common challenges of initial negotiations of the root canal space and addressing the three-dimensional anatomical structure still exists. XP-4D files have produced a revolution in simplicity, efficiency, and safety in primary endodontic treatment instrumentation. This course is designed to exploring how participants can advance from early negotiation of the root canal space to master cone placement and obturation in a simple, predictable and efficient manner.



ROOM ACACIA 02



WOODPECKER WORKSHOP

Work Smarter, not Harder: Minimizing Debris Through Improved Instrumentation and Irrigation

Speaker: Carlos Alberto Spironelli Ramos



Carlos Alberto Spironelli Ramos

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Abstract

Despite decades of innovation in endodontic instrumentation, a persistent paradox challenges clinicians: efforts to clean the root canal system can unintentionally generate and extrude debris, leading to postoperative complications and impaired healing. This lecture explores the "clean paradox" — the unintended consequences of conventional shaping and irrigation protocols — and presents an evidence-based pathway toward smarter, biologically driven techniques. Attendees will examine the chemical-mechanical factors contributing to debris formation and lateral packing, and learn how modern approaches, such as the SonicStream rinsing, can harmonize instrumentation and irrigation to achieve safer, cleaner, and more predictable outcomes. Emphasis will be placed on clinical integration, efficiency, and real-world applicability.

Hands-On Practical Learning Activities:

- 1. Identify the anatomical features on a 3D tooth replica based on micro-CT images of a lower molar with intricate canal anatomy.
- 2. Use a sequence of two files (EvoFlex™) for instrumentation.
- 3. Employ Passive Ultrasonic Irrigation or Continuous Ultrasonic Irrigation with PolySonic® tips and the piezoelectric ultrasonic unit.
- 4. Compare the cleanliness achieved through the proposed technique versus conventional irrigation by evaluating both methods.
- 5. Perform a single cone obturation using KP Bioceramic sealer and selected gutta-percha.



SATELLITE WORKSHOPS

SATURDAY, 6TH SEP. 2025



() 09:00 – 11:00

MORITA EUROPE WORKSHOP

Advanced Strategies for Managing Curved Canals: workshop with TriAuto ZX2+ and the OGP2 Motion

Speaker: Hugo Sousa Dias



Hugo Sousa Dias

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Aims

This workshop aims to provide participants with a comprehensive approach to managing curved canals using the latest technology. The focus will be on the TriAuto ZX2+ motor by MORITA and the innovative OGP2 motion, combined with a martensitic file system, to optimize clinical efficiency and safety in these challenging cases.

Choose serenity. Rooted in reliability.

Morita has been developing high-quality, intelligent solutions with expertise and passion for 100+ years. With the knowledge that Morita is committed to a healthy future and a sustainable society, you can relax and focus on what truly matters—your work.





www.morita.de/en



SATELLITE WORKSHOPS

SATURDAY, 6TH SEP. 2025

Learning Objectives

- · Understand the biomechanics and challenges of negotiating curved root canals.
- Learn the advantages and clinical application of the TriAuto ZX2+ motor in endodontic procedures.
- Master the OGP2 motion and its role in shaping curved canals with a martensitic file system.
- Develop hands-on skills for safe and effective canal instrumentation using this advanced approach.
- Enhance treatment outcomes by integrating modern endodontic technology into clinical practice.



PROGRAMME

WEDNESDAY, 3RD SEP. 2025

O AUBÉPINE 06 (LEVEL A)

(1) 15:30 - 17:00

OPEN HEARING

AAE/ESE Diagnostic Terminology Open Hearing

 $\stackrel{\mathsf{A}}{\triangleright}$ Led by ESE and AAE

Overview

A joint committee of the AAE and ESE will host a hearing to gather stakeholder feedback on proposed updates to Diagnostic Terminology.

O HALL 1 - AMPHITHEATRE SÉQUOIA (LEVEL B)

(18:00 – 19:00

OPENING CEREMONY

The three laws of communication

Keynote: Jean-luc Doumont



Jean-luc Doumont

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Overview

Useful as each of them can be, a large body of tips and tricks is impossible to remember, at least in a practical, usable way, unless it is structured into a balanced, meaningful hierarchy. This keynote address offers and illustrates three simple yet solid ideas that lead to more effective communication and that underpin every other guideline: easy to remember, readily applicable, and always relevant—in short, valuable for the rest of your life.

(19:00 - 21:00

WELCOME RECEPTION

ESC 38



PROGRAMME

THURSDAY, 4TH SEP. 2025

NALL 1 – AMPHITHEATRE SÉQUOIA (LEVEL B)

QUALITY CONTROL AND RESEARCH IN ENDODONTIC MATERIALS

Josette Camilleri



Josette Camilleri

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Overview

Dental materials used for endodontic procedures vary in chemical, physical, mechanical and biological properties. Regardless of this, most of the materials are tested for research purposes using ISO standards. These standards are simple methods used for guidance to manufacturers to assess basic characteristics the materials need to comply to. In Endodontics there is only one ISO standard - ISO 6876 which is a specification for endodontic sealers. Due to this limited guidance, most materials are tested in simple ways and also using methods that are inappropriate for the specific chemistry and material use leading to wrong interpretation of the data obtained. The aim of this lecture is to overview the properties of endodontic materials and testing methodologies and link this to the clinical use of the materials.

HALL 1 – AMPHITHEATRE SÉQUOIA (LEVEL B)

🕔 09:45 – 10:30 😕 SESSION CHAIR: Anil Kishen

REVISITING ROOT CANAL SHAPING: FROM FILE BEHAVIOR TO SMART INSTRUMENTATION

Franck Diemer



Franck Diemer

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Overview

Despite significant innovations, root canal system preparation still fundamentally relies on mechanical instrumentation. However, the paradigm is shifting: shaping is no longer a purely mechanical act, but an interplay of metallurgy, motion, and canal anatomy preservation. The choice of endodontic instruments must now balance shaping efficiency with fracture resistance and anatomical respect.

Instrument performance hinges on three critical parameters: resistance to cyclic and torsional fatigue, non-threading behavior during rotation, and the ability to follow complex curvatures without inducing canal transportation. These properties are largely determined by the design of the active blade, cross-sectional geometry, and metallurgical treatments.



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Modern developments have moved beyond symmetrical cutting profiles. The introduction of asymmetrical and off-centered designs has reduced the contact area and improved debris removal. Heat-treated NiTi alloys—such as M-Wire, Blue, Gold or R-phase...—have transformed instrument flexibility and fatigue resistance, while preserving superelasticity. At the same time, reciprocating motion, introduced to further mitigate fracture risks, has added a new dimension to shaping strategies by minimizing torsional loads.

Initial canal negotiation remains critical. Creating a smooth glide path or preflaring the coronal third significantly reduces shaping constraints and enhances instrument progression.

This lecture will explore the mechanical behavior of contemporary instruments, detailing how design, motion kinematics, and metallurgy converge to redefine safety and performance in root canal shaping. A critical comparison of current systems will be provided, highlighting how evidence-based design optimizes canal cleanliness while preserving dentinal integrity.

() 10:30 – 11:00 COFFEE-BREAK

🔘 HALL 1 – AMPHITHEATRE SÉQUOIA (LEVEL B)

() 11:00 – 11:40 SESSION CHAIR: Roberto Careddu

NEGOTIATING CHALLENGING ROOT CANAL SYSTEMS. INSTRUMENTS AND TECHNIQUES

Antonis Chaniotis



Antonis Chaniotis

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Overview

Complicated Root Canal Systems introduce factors that increase the risk of procedural accidents during root canal treatment. The inability to achieve patency to the apical third, asymmetrical dentine removal leading to transportation, perforation, and instrument fracture inside the complicated trajectories are some procedural problems that might jeopardize disinfection procedures and result in poor treatment outcomes. This lecture seeks to provide and consolidate the principles necessary for understanding the dynamics of complicated canal management and improving clinical skills.



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O HALL 1 – AMPHITHEATRE SÉQUOIA (LEVEL B)

(1) 11:45 – 12:30

SESSION CHAIR: Roberto Careddu

ROOT CANAL PREPARATION, WHERE ARE WE AND WHERE ARE WE GOING?

Gianluca Plotino



Gianluca Plotino

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Overview

Root canal preparation is a cornerstone of successful endodontic treatment, yet it continues to evolve with advancements in technology, materials and clinical strategies. But where do we stand today, and what does the future hold?

In this lecture, we will explore the current state of root canal instrumentation, highlighting the benefits and limitations of contemporary techniques. Key topics will include the role of reciprocation and continuous rotation, the impact of heat-treated alloys and the integration of minimally invasive shaping approaches in order of preserving dentin.

Additionally, we will discuss how recent developments in instrument design and motion technology aim to enhance cutting efficiency, safety, and canal preservation. Looking ahead, we will discuss emerging trends shaping the future of root canal preparation and how these innovations enhance efficiency, safety and long-term treatment outcomes.

By bridging current knowledge with future possibilities, this session will provide endodontists with valuable insights into optimizing their approach to root canal preparation while preparing for the next generation of endodontic advancements.

() 12:30 – 13:30 LUNCH

13:30 – 14:30 POSTER PRESENTATIONS / TRADE EXHIBITION

🔘 HALL 1 – AMPHITHEATRE SÉQUOIA (LEVEL B)

🕦 14:30 – 15:10 💢 SESSION CHAIR: Helena Fransson

EFFECTIVE MANAGEMENT OF EXTERNAL CERVICAL RESORPTION

Shanon Patel



Shanon Patel

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Overview

The prevalence of External Cervical resorption (ECR) is increasing due to increased awareness. However, the management of ECR can be challenging. This presentation will summarise cutting edge clinical research on treatment options of ECR.

The aim of this presentation is to give an update on management strategies of ECR.

HALL 1 – AMPHITHEATRE SÉQUOIA (LEVEL B)



(1) 15:15 – 16:00

SESSION CHAIR: Helena Fransson

MRI IN ENDODONTICS - THE FUTURE OF DIAGNOSTIC IMAGING?

Rubens Spin-Neto



Rubens Spin-Neto

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Overview

MRI presents a promising future for endodontic diagnosis by overcoming limitations associated with traditional radiographic methods, mostly their impossibility to detect early inflammatory changes which precede bone loss. That limitation also affects CBCT, that has become an usual imaging modality for complex cases in endodontics, but that also adds another drawback, by exposing the patients to a higher dose of ionizing radiation.

MRI, and more recently dental and dental-dedicated MRI, emerges as potential non-invasive, radiation-free alternatives for periodontal and periapical diagnosis. These modalities offer exceptional soft tissue contrast, allowing the visualization of dental pulp, nerves, and gingiva. It provides valuable insights into inflammatory processes affecting both soft and hard tissues.

Advancements in MRI technology, including faster imaging techniques and reduced sensitivity to metal artefacts, are making it more viable for its application in dentistry. These innovations might enable a more precise, non-ionizing diagnosis of periodontal and periapical lesions. As a result, MRI is gaining recognition as a valuable tool in endodontic diagnostics, warranting further exploration and integration into dental practice. This lecture will examine the potential of MRI as the future "go-to" imaging modality for endodontic diagnosis, reviewing the literature within the topic, and addressing its possible benefits, added-value, limitations, and latest developments in the field.

(1) 16:00 – 16:30

COFFEE-BREAK



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O HALL 1 – AMPHITHEATRE SÉQUOIA (LEVEL B)

(1) 16:30 – 17:10

SESSION CHAIR: Matthias Zehnder

ROOTS AND RISK: ENDODONTICS IN THE CONTEXT OF SYSTEMIC HEALTH

Alexis Gaudin



Alexis Gaudin

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Overview

As the population ages and complex medical conditions become more prevalent, endodontists are increasingly required to make treatment decisions within a context of heightened systemic risk and patient vulnerability. Advances in medicine have significantly extended life expectancy, but they have also led to a surge in chronic diseases such as cardiovascular conditions, diabetes, autoimmune disorders, and malignancies. Many of these patients are also prescribed multiple long-term medications, including anticoagulants, corticosteroids, bisphosphonates, immunosuppressants, or chemotherapy agents; each with the potential to influence the pulpal and periapical response to infection, alter healing dynamics, or increase the risk of complications during endodontic therapy. This growing clinical complexity demands a shift beyond a purely tooth-centered model of care. Contemporary endodontic practice must incorporate systemic health considerations into diagnostic reasoning, treatment planning, and prognostic assessment. Recognizing the patient's overall medical status is now a prerequisite to delivering safe, effective, and personalized care.

This presentation explores the bidirectional relationship between systemic health and endodontic disease. It will examine how chronic conditions impact immune function, periapical healing, and treatment outcomes, and will discuss clinical indicators that necessitate medical consultation, treatment modifications, or closer interprofessional coordination.

Adapting endodontic practice to these systemic realities is necessary for minimizing risk and achieving long-term clinical success in an interconnected and medically informed healthcare environment.

HALL 1 – AMPHITHEATRE SÉQUOIA (LEVEL B)

EXTENSIVE CARIOUS LESIONS TREATMENTS AND EVIDENCE WHAT IS THE STATUS?

Lars Bjørndal



Lars Bjørndal

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THURSDAY, 4TH SEP. 2025

Overview

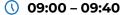
A brief update on caries pathology and consequences on pulp biology will be presented. Evidence will be discussed that diagnosis of advanced stages of carious lesion depth including pulp response and profile of the microbiota could be improved when specifying radiographic penetration depth. Can the microbiota in retained carious dentine be controlled without exposing the pulp?

A simple classification of carious penetration depths is presented as a standard when collecting preoperative data, suggesting that well-defined deep stages of caries lesions with initial or mild pulpitis can be treated without exposing the pulp by using less invasive modalities of vital pulp treatments, whereas extremely deep lesion stages with moderate or severe stages of inflammation are obvious candidates for pulpal invasive treatment modalities.

Al application for improving choice of treatment is presented. What is the Al prediction of a treatment if you perform an invasive treatment as oppose to a non-invasive treatment. Most recent guideline status from international consensus group meetings will be presented.

In short objectives of this presentations are to raise awareness of: the dynamic nature of pulp reaction pattern and caries activity even in extensive stages of lesion formation; the concept of less invasive removal of carious tissue based on high levels of clinical evidence; the rationale for different approaches for the management of extensive carious lesions, with well- defined selection criteria for either performing non-exposed or exposed pulp treatments.

🤍 HALL 2 – AMPHITHEATRE EPICÉA (LEVEL B)



(1) 09:00 – 09:40 SESSION CHAIR: Phillip Tomson

NEUROPHYSIOLOGY OF PULPAL AND APICAL INFLAMMATION

Anibal Diogenes



Anibal Diogenes

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Overview

An emerging body of evidence challenges existing knowledge on pulpal nociception, the role of nociceptors in homeostasis, and their response to injury. It has become clear that these pain-sensing fibers have multiple roles that far exceed nociception through elaborate crosstalk with other cells of the pulp-dentin complex and the periodontium. Moreover, pulp injury and endodontic infection lead to remarkable changes in neuronal phenotype that may underlie multiple clinical challenges in intra- and post-operative pain management and persistent symptoms following adequate endodontic treatment. This lecture will review the current neurophysiology knowledge while providing new lines of evidence and their clinical translational significance.



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O HALL 2 – AMPHITHEATRE EPICÉA (LEVEL B)

O9:45 − 10:30 SESSION CHAIR: Phillip Tomson

COMPREHENSIVE METHODS FOR EVALUATING NITI INSTRUMENTS: BRIDGING INSIGHTS TO CLINICAL PRACTICE

Emmanuel Silva



Emmanuel Silva

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Overview

The introduction of nickel-titanium (NiTi) instruments marked a pivotal shift in Endodontics, effectively addressing many limitations of stainless-steel files. Yet, complications such as instrument separation soon emerged, driving a wave of scientific and industrial efforts to enhance safety, efficiency, and mechanical performance. While recognizing these advances is essential, equally important is the ability to evaluate instruments in a clinically meaningful way-and to discern which innovations truly translate into improved outcomes. This presentation will examine a comprehensive, multimethod approach to NITi instrument evaluation, designed to integrate complementary experimental strategies and provide a more robust and nuanced understanding of instrument behavior. By triangulating data from diverse techniques, this approach reinforces the reliability of findings and supports more informed clinical decisions. Beyond methodology, a central focus will be the translation of research findings into everyday practice. The discussion will highlight how consistent patterns observed in recent studies can offer actionable insights-helping clinicians choose instruments not merely by brand or tradition, but through a critical lens grounded in scientific evidence and clinical relevance. By aligning current knowledge with future directions, this symposium encourages a more strategic and clinically sound approach to endodontic treatment.

() 10:30 – 11:00 COFFEE-BREAK

HALL 2 – AMPHITHEATRE EPICÉA (LEVEL B)

CELLULAR MECHANISMS OF ROOT RESORPTION

Shaul Lin



Shaul Lin

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Overview

Root resorption consists of complex, multistep processes that involve cell signaling and odonto-clastic cell differentiation and activation. In physiologic process, the specific molecules responsible for bone resorption are receptor activator of nuclear factor κB ligand/ macrophage-colony stimulating factor (RANKL/M-CSF) with Osteoprotegerin responsible for bone remodeling. While RANKL and M-CSF are usually released only by osteoblasts/cytes, in cases of inflammation they are produced in abundance by immune cells. In pathologic process, two mechanisms of action can cause root resorption, infection and inflammation. When resorption is caused by infection, chronic inflammation due to bacterial infection prolongs secretions of pro-inflammatory cytokines that intensify root and bone resorption. The second pathway is bacterial independent of the non-infection root resorption that is part of the wound healing process, which is limited in time due to its innate ability.

Certain cytokines can promote secretion of RANKL/M-CSF from stromal cells, thereby intensifying the resorptive process. The magnitude of cytokine involvement that promotes resorption and M-CSF/RANKL production depends on multiple factors, including pathogen virulence, site of infection, as well as hypoxia and trauma which can activate inflammation at the site. These cytokines can activate the osteoclasts/ odontoclasts through two types of mechanisms - canonical and non-canonical pathways that activate clastic cells independently of the RANKL/RANK canonical pathways.

O HALL 2 – AMPHITHEATRE EPICÉA (LEVEL B)

11:45 – 12:30 SESSION CHAIR: Marco Versiani

ENDODONTICS AND DIABETES - LET'S NOT SUGARCOAT THE TOOTH/TRUTH!

Lara Friedlander



Lara Friedlander

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Overview

Globally, the prevalence of Type 2 Diabetes is increasing and many more patients with systemic disease are presenting with endodontic needs. Elsewhere in the body hyperglycaemia is associated with microvascular changes, altered immune responses, and impaired wound healing. We are now recognising that similar complications also appear to influence the pulp, and diabetic patients are more susceptible to caries, and pulp and periapical disease. This session explores the influence of diabetes on the pulp-dentine complex and shares how hyperglycaemia may complicate endodontic diagnosis, treatment and prognosis. It provides preliminary evidence of the the underlying mechanisms linking diabetes to compromised pulp health, including neurovascular changes, impaired immune responses, altered tissue repair processes, pulp calcifications, and changes in dentine. These effects can challenge our thinking and contemporary treatment protocols, creating a conundrum for clinicians planning care and discussing prognosis with patients. This presentation highlights the importance of using an individualised and



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multidisciplinary approach and it aims to provide valuable insights for clinicians to optimise care for their diabetic patients to enhance endodontic outcomes and overall health.

() 12:30 – 13:30 LUNCH

13:30 – 14:30 POSTER PRESENTATIONS / TRADE EXHIBITION

O HALL 2 – AMPHITHEATRE EPICÉA (LEVEL B)

() 14:30 – 16:00 SYMPOSIUM 2

INNOVATIONS IN ENDODONTIC EDUCATION

Red by Ana Arias and Fadi Jarad

Speakers: Fadi Jarad; Hany Ahmed; Adham Azim; Josephine Brodén; Ana Arias



Ana Arias

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Fadi Jarad

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Overview

The field of endodontics education is undergoing significant transformation, largely fueled by a generation of students who are highly adept with digital technology and the array of educational resources accessible at our fingertips. This surge in informal endodontic content is pivotal in shifting the education system towards a more student-centred approach, empowering learners to take an active role in their educational journeys. As a result, students are increasingly encouraged to assume greater responsibility for their learning processes. This symposium will explore innovative teaching methods and learning strategies to examine the impact these contemporary approaches have on the educational landscape and the potential they hold for future developments in endodontics education.

14:30 - 15:00 Clinical case capture and monitoring in the PG setting Fadi Jarad



Fadi Jarad

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Overview

Professor Fadi Jarad from the University of Liverpool will discuss advancements in postgraduate endodontic education, focusing on competency development and self-efficacy. The talk will highlight the integration of structured frameworks to support PG students in meeting the accreditation standards for specialist training programs in endodontics.

There is a weak relationship between the volume of experience and consistency of performance over a given period of time. The talk will explore the volumes of clinical experience for a student and its equivalence to a range of experiences with context or difficulty. Students' experience may require much more granular information than the total volume of a procedure.

A key aspect of the presentation will be the use of longitudinal work-based assessment methodologies and reflective portfolios, essential tools in tracking clinical progression. He will explore the role of digital platforms such as the Intercollegiate Surgical Curriculum Programme (ISCP) and LIFTUPP-Support to Develop Learner Performance in providing structured feedback, enhancing learning outcomes, and ensuring alignment with national accreditation requirements. Furthermore, the talk will introduce the Endo Innovator Hub, an initiative that facilitates longitudinal clinical monitoring and reflection and promotes using evidence-based practices in postgraduate training. Emphasising the importance of self-reflection and feedback, the talk will demonstrate how these tools cultivate autonomous, competent, self-assured endodontic specialists.

15:00 – 15:30 Virtual Reality & artificial intelligence in endodontic education Hany Ahmed



Hany Ahmed

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Overview

Virtual reality (VR) is a computer-generated environment that uses three-dimensional, neareye displays and motion tracking to create an immersive user experience. It has a wide range of applications, including entertainment, education, and business. VR is now widely recognised as a valuable tool for enhancing knowledge and skill acquisition, and it has recently gained increasing interest in medical and dental education. Artificial intelligence (AI) is the discipline that combines computer science and robust datasets to facilitate problem solving in a range of scenarios and perform tasks that normally require human intelligence. In endodontics, AI has been used in diagnostic applications, such as characterization of the root and canal anatomy, identifying periradicular radiolucencies on periapical radiographs, and cone beam computed tomography scans, as well as improving the accuracy of diagnosing vertical root fractures, external root resorption defects, fractured instruments and others. This is in addition to applications related to endodontic education such as practical training through simulations and using Al systems to interpret data and plan treatment protocols. This lecture aims to discuss the applications of VR and AI in endodontic education. It also discusses their advantages, challenges and limitations. It also present insights future directions and translation to clinical endodontics.



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15:30 – 16:00 Innovation in dental education: Cliché or Necessity? Adham Azim



Adham Azim

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Overview

The concept of innovation in dental education often invites skepticism. Retaining qualified educators, rising student demand, and the lack of standardized global training—traditional pedagogical models must be reimagined. A transformative educational framework is urgently needed, one that aligns with three foundational pillars of Endodontics: delivering high-quality, patient-centered care; building sustainable educational systems; and promoting research-driven advancement. In this presentation we will trackle strategies include the integration of digital platforms, incorporation of advanced technologies into the curriculum, use of artificial intelligence in training and assessment, and the development of global standards for endodontic training and evaluation. The solutions aim to address disparities in resources through decentralized learning and mentorship models, ultimately enhancing patient care and supporting lifelong learning.

(1) 16:00 – 16:30

COFFEE-BREAK

16:30 - 17:00 Innovation in dental education: Cliché or Necessity? (cont.) Adham Azim



Adham Azim

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17:00 – 17:30 Introducing Uncertainty into Endodontic Education Joséphine Brodén



Joséphine Brodén

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Overview

Early training in recognizing, accepting, and managing uncertainty is crucial for dental students. Uncertainty in endodontics can arise from various sources, such as gaps in scientific evidence or diagnostic ambiguities. Students must develop the ability to discern whether uncertainty stems from limitations in knowledge or personal ignorance - an often challeng-



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ing distinction for inexperienced clinicians. As future dentists, they must learn to make safe and informed treatment decisions despite the presence of uncertainty.

One effective approach to teaching constructive responses to uncertainty is to guide students in becoming reflective practitioners. Endodontists and endodontic educators can act as role models by openly acknowledging their own perceptions of uncertainty and demonstrating a willingness to reflect alongside students.

This presentation explores strategies for integrating uncertainty management into endodontic education, highlighting methods to prepare students for navigating uncertainty in their professional practice.

17:30 – 18:00 Education, endodontics, and the future: is anyone listening? *Ana Arias*



Ana Arias

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Overview

The role of an educator today extends far beyond the classroom with a dual responsibility: 1) training new students in the latest scientific knowledge, free from outdated paradigms and 2) guiding experienced professionals through necessary paradigm shifts, ensuring that clinical practice evolves in line with modern evidence.

On the one hand, there is a generational gap between those who teach and those who learn. We are teachers born in the 20th century, educating students born in the 21st century, whose cognitive engagement and learning habits differ dramatically from those of previous generations. Modern students thrive in interactive, technology-driven, and student-centered environments; however, the traditional lecture might remain a critical tool, not as a passive knowledge transfer mechanism anymore, but as a structured moment to guide and emphasize key messages to foster critical awareness of professional responsibilities from the earliest stages of training.

On the other hand, as educators and scientists, we face a second important challenge: re-educating experienced practitioners. Many clinicians who trained decades ago remain disconnected from contemporary evidence-based advancements, continuing to apply outdated and invasive approaches. Some paradigm shifts must be actively disseminated to these practitioners. This responsibility falls upon scientific societies, professional organizations, and educators, who must develop strategies to bridge the knowledge gap and ensure that all professionals, regardless of when they were trained, are aligned with the current best practices that prioritize the health and well-being of the general population.

dents. Uncertainty in endodontics can arise from various sources, such as gaps in scientific evidence or diagnostic ambiguities. Students must develop the ability to discern whether uncertainty stems from limitations in knowledge or personal ignorance - an often challenging distinction for inexperienced clinicians. As future dentists, they must learn to make safe and informed treatment decisions despite the presence of uncertainty.



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MALL 3 - DRAGONNIER 04+05 (LEVEL D)

① 09:00 – 12:30 **SYMPOSIUM 1**

PRACTICE-BASED RESEARCH NETWORKS

 $\stackrel{\textstyle >}{\sim}$ Led by Lise-Lotte Kirkevang

Speakers: Janet Clarkson; Jack Ferracane; Maria Pigg; Lise-Lotte Kirkevang



Lise-Lotte Kirkevang

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Overview

Enhanced focus on translation of knowledge from the academic to the clinical environment may reduce delays in the implementation of new knowledge from research in general practice. Collaboration between academics and clinicians in general practice in practice-based research networks may be a way to overcome this potential barrier. In such networks, the practicing dentists work collaboratively with academic investigators to develop research questions and research protocols and collect data. The academic investigators provide the research methodology and organizational structure for the development of the studies.

The objectives of practice-based networks are to create a structure and process needed for studying the effectiveness of different elements in the routine dental care in general dental practice settings.

It will furthermore provide investigative experience for dental practitioners as they contribute to the evidence base for dental practice, and this may eventually lead to a better dissemination of study results and an overall increased uptake of new research by practitioners in dental practice.

09:00 – 09:30 How do we best study dental clinical effectiveness and knowledge translation? *Janet Clarkson*



Janet Clarkson

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Overview

The translation of evidence into practice has been assumed to be an automatic event. However, evidence confirms that it takes on average 14 years for new evidence to be implemented and put into practice for the benefit of patient health.

The benefit of conducting high quality research is only appreciated when the results are translated into clinical care. High quality care requires high quality evidence and the importance that this evidence is generated in the setting where most care is provided has been established. Clinical research within a practice-based setting is being advocated and supported globally. We know the study designs required for high quality research to reduces

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uncertainty. The synthesis of research findings is fundamental, and systematic reviews are now routine. The number has grown at an increasing rate over the past decades, in oral and dental health 3000 were published in the year 2024. This presents a challenge to those who are involved in the development and publication of guidelines, but the greatest challenge is ensuring recommendations are implemented.

This presentation will discuss the reasons for this the challenges and potential solutions. It will consider our understanding of the barriers and facilitators for the translation gap and how we might work differently together. We work in a global ecosystem of evidence but understanding behaviour change is as important to ensure translation of findings for the benefit of patient care.

09:30 - 10:00 Practice-based research networks - development over a decade Jack Ferracane



Jack Ferracane

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Overview

Dental practice-based research networks (PBRN) were created in large part to develop a body of clinical evidence for the practicing dentist that was produced in the same environment and under essentially the same conditions as experienced during the provision of oral health care in a private or group dental practice, i.e. more "real-world" evidence. While the outcomes from these studies might differ from those collected in institutions under more controlled conditions, the benefits provided by the networks include enrolling large sample sizes within shorter time frames. While some investigators have shown that it is possible to conduct studies in smaller networks with nominal resources, large networks with thousands of participants require significant funding for their establishment and maintenance. In the USA, this funding has been provided through a competitive process by the National Institute of Dental and Craniofacial Research of the National Institutes of Health. While participating in PBRN is not for every dental practitioner, or their staff, large numbers of dentists and specialists have embraced the concept for over two decades and have generated a tremendous volume of important and useful clinical information. The network organizers learned many critical lessons necessary for their efficient functioning, including member recruitment, governance, appropriate training, identifying study topics, working with IRBs, participant motivation, role of research coordinators, presentation and publishing, managing expectations, and others. These lessons will be discussed as they relate to the initial organization and the continued activity of three dental PBRNs in local, regional and national levels within the USA.

(1) 10:30 - 11:00

COFFEE-BREAK



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11:00 – 11:30 Studies based on practice-based research networks – what have we learned? Maria Pigg



Maria Pigg

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Overview

In Endodontics, as in many other disciplines, clinical research studies have traditionally been set in university or specialist clinics, with interventions performed by endodontists or post-graduate students/residents under supervision. Much of our current knowledge, regarding diagnostics as well as intervention outcomes and long-term prognosis, is therefore gained by data collected under standardized conditions by a rather limited number of practitioners with a special interest in Endodontology. Clinical intervention studies have often observed high success rates, but in contrast, epidemiologic evidence (e.g., from population-based and registry studies) suggests a gap between the performance of a certain intervention under "ideal" conditions and its performance in standard practice; some examples are that the prevalence of apical periodontitis in root-filled teeth is high and a considerable proportion of root-filled teeth are extracted.

As an alternative to university-led research, dental Practice-Based Research Networks (PBRN) have developed over the last two decades, and this has brought new possibilities. The large majority of endodontic patients are treated in general practice, and PBRN studies have the potential to provide knowledge on "IRL" outcomes by including large numbers of patients and a more diverse range of practitioners, general dentists as well as endodontists. Several studies in Endodontics have been published; this presentation gives an overview of what we have learned, the possible strengths and limitations of PBRN studies in Endodontics, and suggestions for future research questions to be explored that might bring important knowledge.

11:30 – 12:00 Possibilities and barriers in establishment of practice-based research networks

Lise-Lotte Kirkevang



Lise-Lotte Kirkevang

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Overview

The objectives of practice-based research networks are to create the necessary structure and processes for studying the effectiveness of treatments performed in routine dental care within general dental practice settings. This research may eventually lead to better dissemination of study results and an overall increase in the uptake of new research by practitioners in dental practice.

Digital developments have increased, offering many advantages, but also creating a greater need for rules and regulations to protect personal data. Many researchers have faced



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increased challenges when planning, conducting, and reporting clinical research. This is a growing dilemma in the research field, with an increasing volume of systematic reviews highlighting the need for more clinical research.

When conducting practice-based research, there are several ethical, methodological, and practical challenges:

Ethical considerations

- Obtaining informed consent to ensure that patients understand the research aims and potential risks.
- Patient confidentiality and handling sensitive data in compliance with regulations, such as the General Data Protection Regulation (GDPR) in the EU.

Methodological issues:

- Including a diverse range of practices to capture the variety of treatment types and quality in general practices.
- · When planning interventions; Standardizing treatments and assessments among private practices that are independent businesses with personalized procedures.

Practical constraints:

• Time and resources – participating in a practice-based research network is time-consuming and requires commitment from all personnel, not just the dentist.

We will discuss the importance of practice-based research, the possibility of international collaboration, and provide guidance on best practices and common pitfalls.

() 12:30 – 13:30 LUNCH

13:30 – 14:30 POSTER PRESENTATIONS / TRADE EXHIBITION

O HALL 3 - DRAGONNIER 04+05 (LEVEL D)

() 14:30 – 18:00 **SYMPOSIUM 3**

MANAGEMENT OF TRAUMATIC DENTAL INJURIES: STRATEGIES AND SOLUTIONS

Led by Gabriel Krastl

Speakers: Gabriel Krastl; Peter Day; Cecilia Bourguignon; Matthias Widbiller



Gabriel Krastl

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Overview

Traumatic dental injuries (TDIs) often involve complex injury patterns, making accurate diagnosis crucial as it underpins the development of an appropriate treatment strategy. Recent guidelines offer valuable and clear guidance for managing most TDIs. However, in severe cases, treatment can be challenging and prognosis uncertain. This symposium will present and discuss various treatment approaches for managing different types of trauma and potential healing complications.



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14:30 – 15:00 Achieving Optimal Aesthetic Outcomes After Dental Trauma Gabriel Krastl



Gabriel Krastl

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Overview

Achieving optimal aesthetic outcomes after dental trauma.

15:00 - 15:30 "Tiny Teeth, Big Challenges" - Trauma to the Primary Dentition Peter Day



Peter Day

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Overview

Traumatic injuries to primary teeth pose unique challenges that often necessitate distinct management strategies compared to those used for permanent teeth. As first author, Peter led the development of the International Association of Dental Traumatology primary dentition guidelines. He will review the latest evidence for the management of primary dentition injuries, the diagnostic challenges they pose, and the potential complications to both the primary and permanent dentition. Moreover, these traumatic injuries are often the first reason for children to visit the dentist or for them to require treatment. Peter will discuss different behaviour management techniques to maximise care and minimise further trauma and anxiety.

(1) 16:00 – 16:30

COFFEE-BREAK

16:30 - 17:00 Promoting tissue healing after dental trauma in the permanent dentition Cecilia Bourguignon



Cecilia Bourguignon

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Incisors, the 'smile teeth', are the teeth most affected by trauma. Whether the patient is a child, a teenager or an adult, partial, no-healing or tooth loss usually lead to functional and esthetic impairment creating conditions for severe and long-lasting psychological distress that should not be minimized.



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To promote better healing, true dental trauma emergencies must be recognized and treated promptly, ideally within a few minutes after the injury. The IADT Guidelines (International Association of Dental Traumatology) offer a reliable action framework for clinicians to manage all types of dental injuries. A precise diagnosis of each injury must be made, and all injuries must be identified. Just as important as emergency management, establishing a vigilant follow-up regimen is essential, as early detection and treatment of tissue healing complications significantly improve prognosis.

Gentleness to the tissues during treatment cannot be overstated. Clinicians should avoid 'adding trauma to the trauma'. When faced with a dilemma they should refrain from performing invasive and irreversible treatments until a pertinent strategy is found.

The endodontist's role is pivotal in promoting post-traumatic tissue healing. For instance, in preserving pulp vitality wherever feasible; vigilantly preventing and managing the different types of root resorptions; understanding the nuanced indications and contra-indications for endodontic intervention; understanding the healing and treatment modality differences between mature and immature teeth and between growing and adult patients.

This presentation will show numerous clinical cases illustrating that the oral tissues healing potential is high and should never be underestimated. Give the tissues a chance!

17:00 – 17:30 Managing healing complications after dental trauma *Matthias Widbiller*



Matthias Widbiller

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Overview

Dental trauma is a sudden and unpredictable event that is particularly common in children and adolescents. While superficial damage to enamel and dentin can often be treated restoratively, trauma often affects deeper structures - the pulp and periodontium. These tissues are particularly vulnerable in cases of fracture or luxation, where the injury may be direct or secondary to degenerative or inflammatory processes.

The quality of acute emergency care plays a critical role in setting the stage for healing. However, even under optimal conditions, complications may develop, affecting either pulp vitality or periodontal integrity. Clinical outcomes depend on early recognition of these complications and timely, targeted intervention to limit long-term damage.

This presentation follows the clinical pathway from trauma to complication, identifying high-risk injury patterns, distinguishing normal healing from pathology, and determining when and how to intervene to preserve the affected tooth. Major complications such as pulp necrosis, pulp canal obliteration, pathological root resorption and ankylosis are examined from both a biological and clinical perspective.



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MALL 4 - SPONSORED LECTURES DRAGONNIER 03 (LEVEL D)

(1) 11:00 – 11:45

WOODPECKER LECTURE

ADULT PULPOTOMY ESSENTIALS: A NEW ERA IN MINIMALLY INVASIVE ENDODONTICS

Speakers: Abdelrahman Hamouda



Abdelrahman Hamouda

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Aim

To provide clinicians with an evidence-based understanding of adult pulpotomy as a biologically driven, minimally invasive alternative to conventional root canal therapy, highlighting indications, techniques, materials, and outcomes in the context of modern endodontic practice.

Learning Objectives

By the end of this lecture, participants will be able to:

- 1. Describe the biological rationale for adult pulpotomy as a vital pulp therapy modality in mature permanent teeth.
- 2. Identify the clinical indications, case selection criteria, and contraindications for adult pulpotomy.
- 3. Compare the outcomes and success rates of adult pulpotomy versus traditional root canal therapy based on current evidence.
- 4. Outline step-by-step clinical protocols for performing adult pulpotomy using modern materials and techniques.
- 5. Evaluate the role of adult pulpotomy within the framework of minimally invasive endodontics

<u>()</u> 12:30 – 13:30	LUNCH
13:30 – 14:30	POSTER PRESENTATIONS / TRADE EXHIBITION

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THURSDAY, 4TH SEP. 2025

O HALL 4 - SPONSORED LECTURES DRAGONNIER 03 (LEVEL D)

() 15:20 – 16:05 DENTAL PERFECT LECTURE

IMAGING LIMITATIONS AND EVIDENCE-BASED INTERVENTION IN ENDODONTICS. AN INTEGRATIVE CLINICAL ANALYSIS

Speakers: Alexandru Gliga

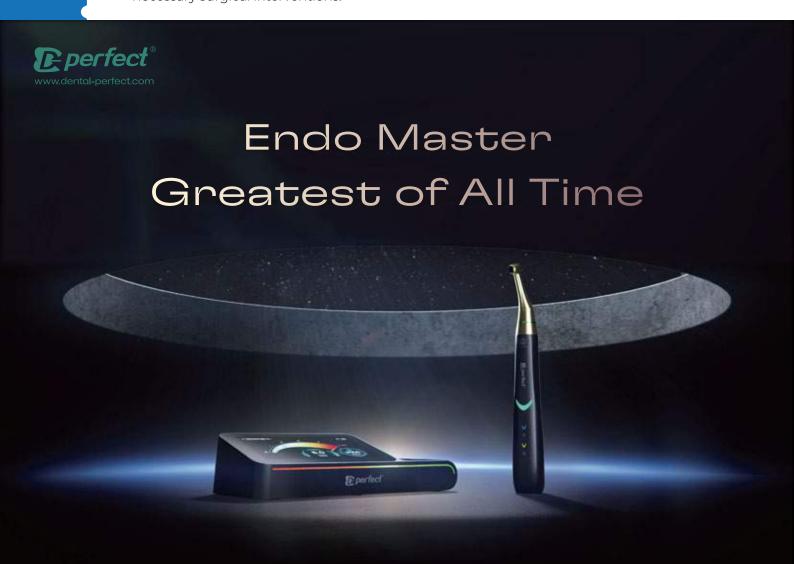


Alexandru Gliga

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Overview

Accurate diagnosis of periapical lesions is a critical step in endodontic treatment planning. However, while periapical radiography is commonly used, it presents notable limitations in distinguishing cysts from granulomas. This diagnostic uncertainty may lead to overdiagnosis and unnecessary surgical interventions.





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Objective

This presentation aims to synthesise the findings of three recent studies to highlight: the clinical implications of limited diagnostic accuracy, the potential of minimally invasive techniques in managing complications such as fractured instruments, and the influence of prosthetic planning on the long-term success of endodontic treatment. The analysis includes: a systematic review evaluating the diagnostic accuracy of imaging methods compared to histological findings; a series of clinical cases demonstrating the effectiveness of the Platformless Technique (PFLT)—a conservative approach for the removal of fractured instruments; and a quantitative survey investigating the factors influencing post-endodontic restorative decisions among dental practitioners in Romania.

Aim

Evidence indicates that periapical radiography does not enable reliable differential diagnosis of periapical lesions, and clinical decisions based solely on this method may result in unjustified invasive procedures. Techniques such as PFLT offer effective, minimally invasive solutions, with high documented clinical success over the long term. Furthermore, the survey data reveal significant variability in the integration of prosthetic restoration, with a general tendency to delay definitive restoration until complete radiological healing is achieved.

This lecture and speaker are sponsored by DENTAL PERFECT

() HALL 4 - SPONSORED LECTURES DRAGONNIER 03 (LEVEL D)

(1) 15:20 – 16:05

HENRY SCHEIN ENDODONTICS LECTURE

MAKING COMPLEX CASES SIMPLE: OPTIMIZING ARMAMENTARIUM AND WORKFLOW

Speaker: Roberto Fornara



Roberto Fornara

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Aim

To improve knowledge, diagnostic skills and clinical competence in the management of complex endodontic cases, ensuring predictable, evidence-based and successful outcomes in complex scenarios.

Learning Objectives

- Identify the clinical and radiographic features that characterize complex endodontic cases, including advanced diagnostic imaging (CBCT).
- Select and use modern endodontic instruments, rotary/reciprocating instruments with new heat treatment alloys.
- Manage complications such as ledges, perforations, post treatment desease using evidence-based strategies.

This lecture and speaker are sponsored by Henry Schein Endodontics.

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- () 16:00 16:30 COFFEE-BREAK
- O HALL 4 SPONSORED LECTURES DRAGONNIER 03 (LEVEL D)
- () 17:20 18:05 DENTSPLY SIRONA LECTURE

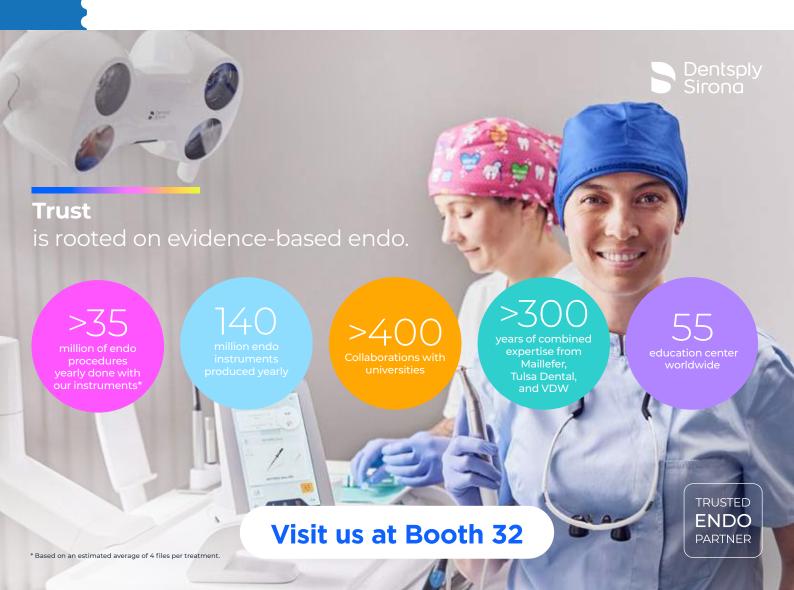
MASTERING ENDODONTIC RETREATMENT OF FILLING MATERIALS: EFFICIENT STRATEGIES FOR CHALLENGING CASES

Speaker: Gianluca Plotino



Gianluca Plotino

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Overview

Endodontic retreatment is often unpredictable as the procedures carried out previously in the canals can cause problems in gaining the apical patency. The presence of filling materials of different consistencies requires particular attention in advancing the instruments towards the apex.

This lecture focuses on the challenges of non-surgical endodontic retreatment, providing practical techniques to improve efficiency and predictability. The use of a reciprocating file can be advantageous because the removal of filling materials and the simultaneous intraoperative diagnosis of anatomical problems may be extremely safe and easy to be performed. The design of the instrument is also important, as it should ensure a high cutting ability, a high flexibility and the removal of debris coronally.

Attendees will learn effective strategies for removing obturation materials, managing complex canal anatomies and overcoming common retreatment obstacles.

This lecture and speaker are sponsored by DENTSPLY SIRONA

HALL 5 - ROOM DAVIDIA 01 (LEVEL D)

() 09:00 – 10:30

ESE WLADIMIR ADLIVANKINE RESEARCH PRIZE COMPETITION

🙎 Led by Matthias Widbiller



Matthias Widbiller

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WACOO1 - ESTABLISHMENT OF IN VITRO PULPITIS MODELS USING PRIMARY HUMAN DENTAL PUPL CELLS AND INVESTIGATION OF ANTI-INFLAMMATORY EFFECTS OF 3-O-ACETYL-11-KETO-beta-BOSWELLIC ACID (AKBA)

J. Bohacs

WAC002 - EFFECT OF MARESIN-I ON ACUTE PULPITIS: A PRECLINICAL EVALUATION E. Demir

WACOO3 - EVALUATION OF INFLAMMATORY MEDIATORS, PULPAL BLOOD PH AND OXYGEN SATURATION IN TEETH WITH PULPITIS

P. Hosseinzadehfard

WAC004 - ALIGNING IRRIGATION AND SEALER SELECTION FOR AN OPTIMAL ROOT CANAL TREATMENT

V. Raman

WACOO5 - OPTIMIZING CXCR4 DETECTION IN HUMAN DENTAL-PULP AND APICAL-PAPILLA CELL LINES

D. Yuan

(1) 10:30 – 11:00

COFFEE-BREAK



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THURSDAY, 4TH SEP. 2025

HALL 5 - ROOM DAVIDIA 01 (LEVEL D)

(1) 11:00 - 12:30 THE PAUL DUMMER RESEARCH POSTER AWARD - ORAL PRESENTATIONS

Red by Matthias Widbiller



Matthias Widbiller

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R022 - PERIAPICAL MICROBIOTA AND LOCAL IMMUNE RESPONSE AS DETERMINANTS OF DENTAL GRANULOMA SEVERITY

E. Sturaro

R057 - RISK FACTORS FOR FURTHER INTERVENTIONS OF ROOT FILLED TEETH IN A LONG-TIME PERSPECTIVE – A SWEDISH REGISTRY STUDY





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R137 - SMARTER SCORING: AI VS EXPERTS IN DIAGNOSING APICAL PERIODONTITIS K. Winsnes

R152 - THE EFFECTIVENESS OF TREATMENTS OF TEETH WITH EXTERNAL RESORPTIONS – A REGISTER-BASED STUDY ON TOOTH SURVIVAL

J. Norberg Cedering

R160 - LEVELS OF NEUTROPHIL EXTRACELLULAR TRAPS IN PULPAL BLOOD OF MATURE PERMANENT TEETH WITH SYMPTOMATIC PULPITIS: A PROSPECTIVE COHORT STUDY S. Sharma

R176 - A CLINICAL APPROACH USING TEETH ALREADY SCHEDULED FOR EXTRACTION TO VALIDATE AN IN VITRO METHOD TO ASSESS THE PERFORMANCE OF THE EALS M. Herkenhoff Carestiato

12:30 − 13:30 LUNCH
 13:30 − 14:30 POSTER PRESENTATIONS / TRADE EXHIBITION

- O HALL 5 ROOM DAVIDIA 01 (LEVEL D)
- (1) 14:30 16:00 CLINICAL POSTER AWARD ORAL PRESENTATIONS
- Red by Cristiano Fabiani



Cristiano Fabiani

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CP003 - GUIDED ENDODONTICS: A PROMISING TREATMENT FOR APICAL PATHOLOGY IN SEVERELY OBLITERATED TEETH

N. Van Caeneghem

CP016 - CLINICAL APPROACH OF EXTENSIVE PERIAPICAL LESION: CASE REPORT J. Araujo Carvalho

CP082 - Traumatic dental injury: Management of combined avulsion and apical root fracture in a permanent central incisor

P. Herrmann

CP103 - INTENTIONAL REPLANTATION AS TREATMENT OPTION FOR INVASIVE CERVICAL RESORPTION

J. Neskovic

CP147 - PRESERVATION OF PULPAL SENSITIVITY IN THE MAIN CANAL OF A MANDIBULAR DENS INVAGINATUS WITH PERIAPICAL LESION USING DIGITAL WORKFLOW E. Sanchez

CP152 - Synodontia, dentes concreti, hyperdontia? Vital pulp therapy of a dental anomaly H. Hildebrand



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THURSDAY, 4TH SEP. 2025

() 16:00 – 16:30 COFFEE-BREAK

- O HALL 5 ROOM DAVIDIA 01 (LEVEL D)
- () 16:30 18:00 CLINICAL VIDEO AWARD ORAL PRESENTATIONS
- 🙎 Led by Cristiano Fabiani



Cristiano Fabiani

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CV001 - INTENTIONAL REIMPLANTATION AS A SOLUTION FOR DEEP FRACTURES Z. Benoy

CV002 - MULTIDISCIPLINARY APPROACH TO TRAUMATIZED TOOTH #11 WITH COMPLICATED CROWN FRACTURE AND CALCIFIC METAMORPHOSIS M. Bulbul

CV003 - REINTERVENTION ON EXTERNAL CERVICAL RESORPTIONS IN MAXILLARY INCISORS E. Caussin

CV004 - AT THE END OF THE LINE

D. De Groot

CV005 - A TREATMENT OF A COMPLEX DENTAL TRAUMA: ENDODONTIC AND RESTORATIVE APPROACH

C. Depauw

CV006 - PRESERVATION OF PULP SENSIBILITY FOLLOWING A PLANNED ROOT SECTION IN A PARTIALLY INCLUDED MAXILLARY LATERAL INCISOR WITH ROOT DILACERATION M. Díaz

CV007 - THE VALUE OF 3D IMAGING IN CORRECT DIAGNOSIS

CV008 - ANTERIOR ENDOCROWN: A CONSERVATIVE APPROACH FOR TOOTH RESTORATION H. Frtürk

 $\mbox{CV009}$ - CORRECTING OVER FILLING: NON-SURGICAL RETREATMENT OF A CENTRAL INCISOR WITH ACUTE APICAL ABSCESS

M. Habib

CV010 - AN OVERVIEW AND CLINICAL MANAGEMENT OF ISTHMUS H. Ishizaki

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PROGRAMME

THURSDAY, 4TH SEP. 2025

- O HALL 6 ROOM DAVIDIA 02 (LEVEL D)
- () 09:00 10:30 ESE EDUCATION PRIZE COMPETITION
- Red by Fadi Jarad



Fadi Jarad

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EDP001 - DEVELOPING AN AI-POWERED TOOL FOR RADIOGRAPHIC FEEDBACK ON WORKING LENGTH (WL) DETERMINATION IN PRE-CLINICAL ENDODONTIC TRAINING S. Aljamani

EDP002 - EVALUATION OF THE EFFECTIVENESS OF VIRTUAL HAPTIC TRAINING IN MICROSURGICAL ENDODONTICS AND STUDENT BACKGROUND WITH VIRTUAL REALITY G. Baima

EDP003 - EVALUATING GENERATIVE AI TOOLS FOR ENDODONTIC EDUCATION: A COMPARATIVE ANALYSIS OF CHATGPT DEEP RESEARCH AND NOTEBOOKLM IN SIMULATED LEARNING SCENARIOS

D. Kasperek

EDP004 - THE USE ON A NEWLLY DESIGNED 3D PRINTED MODEL FOE ENDODONTIC EDUCATION IN PRECLINICAL DENTAL STUDENTS

A Krokidis

EDP005 - DENTAL TRAUMA MANAGEMENT IN PRIMARY DENTAL CARE – PERCEPTIONS AND CONFIDENCE OF DENTAL FOUNDATION DENTISTS AND EDUCATIONAL SUPERVISORS IN WALES

P. Mylonas

() 10:30 - 11:00 COFFEE-BREAK

O HALL 6 - ROOM DAVIDIA 02 (LEVEL D)

(1) 11:00 – 12:30 THE JOHN WHITWORTH EDUCATION POSTER AWARD - ORAL PRESENTATIONS

🙎 Led by Fadi Jarad



Fadi Jarad

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PROGRAMME

THURSDAY, 4TH SEP. 2025

EP04 - OBSERVATION-BASED LEARNING IN ENDODONTICS: EFFECTS ON SELF-CONFIDENCE AND CLINICAL READINESS

Y. Yilmaz

EP07 - EVALUATION OF THE APPROACHES OF DIFFERENT SPECIALTIES AND ARTIFICIAL INTELLIGENCE SYSTEMS ON TRAUMATIC DENTAL INJURIES G.Z. Sahin

EP11 - CHATBOT VERSUS LECTURE IN THE TEACHING OF ENDODONTIC DIAGNOSIS FOR UNDERGRADUATE

M. Coelho

EP15 - EXPLORING THE INFLUENCE OF MUSIC ON ANXIETY CHANGES AND TASK PERCEPTION IN SIMULATION PRACTICE: A STUDENT-REPORTED STUDY C. Kuden

EP25 - A DIGITAL PLATFORM TO ASSESS TECHNICAL OUTCOMES OF ENDODONTIC TREATMENT AND PATIENT EXPERIENCE

N. Hamadelneil

EP26 - AN EVALUATION OF THE CURRENT STATUS OF ENDODONTIC EDUCATION IN THE UK: A CROSS-SECTIONAL SURVEY OF NEW GRADUATES AND THEIR EDUCATIONAL SUPERVISORS

D. Kavanagh

<u>()</u> 12:30 – 13:30	LUNCH
13:30 – 14:30	POSTER PRESENTATIONS / TRADE EXHIBITION

O HALL 6 - ROOM DAVIDIA 02 (LEVEL D)

(14:30 – 16:00 ORAL PRESENTATIONS ON FREELY CHOSEN SUBJECTS

CATEGORY: ACCESS CAVITY PREPARATION / MICROBIOLOGY

MODERATOR: Fabienne Perez



Fabienne Perez

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OP001 - A CLINICAL GUIDE FOR THE MANAGEMENT OF PULP CANAL CALCIFICATION M.K. Kaloustian

OP002 - EFFECT OF ACCESS CAVITY DESIGNS ON ROOT CANAL SHAPING EFFICIENCY AND TOOTH FRACTURE RESISTANCE

I. Ozonay Uysal

OP003 - INFLUENCE OF SOFFIT PRESERVATION ON STRESS DISTRIBUTION: A FINITE ELEMENT STUDY

M. Versiani



PROGRAMME

THURSDAY, 4TH SEP. 2025

OP004 - UNVEIL THE HIDDEN PATH: READING THE DENTINAL MAP TO LOCATE SEVERELY CALCIFIED CANALS

M. Elli

OP005 - INNOVATIVE APPROACH FOR ENDODONTIC DISINFECTION USING COPPER-RICH SMA FILES AND FENTON REACTION

S. Souvignet

OP006 - NEW AVENUES OPEN FOR THE USE OF BACTERIOPHAGES IN ENDODONTIC TREATMENT

J.A. Poli De Figueiredo

() 16:00 – 16:30 COFFEE-BREAK

O HALL 6 - ROOM DAVIDIA 02 (LEVEL D)

(1) 16:30 – 18:00 ORAL PRESENTATIONS ON FREELY CHOSEN SUBJECTS

CATEGORY: CANAL FILLING - SEALERS

MODERATOR: Phillip Tomson



Phillip Tomson

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OP025 - ADDRESSING THE APEX DILEMMA: CLINICAL AND BIOLOGICAL PERSPECTIVES ON EXTRUDED ENDODONTIC MATERIALS

A. Chhabra

OP026 - PHYSICOCHEMICAL CHARACTERISATION AND REACTIVITY ASSESSMENT OF CALCIUM SILICATE-BASED SEALERS

V. Kapralos

OP027 - ASSESSMENT OF PHYSICAL PROPERTIES, OBTURATION QUALITY, AND CYTOCOMPATIBILITY/OSTEOGENIC POTENTIAL OF KP-ROOT SP: A NEW CALCIUM SILICATE-BASED BIO-CERAMIC SEALER

H. Xuan

OP028 - THE EFFECT OF RADIOTHERAPY ON THE PUSH-OUT STRENGTH OF DIFFERENT ROOT CANAL SEALERS

G. Nalci Calik

OP030 - COMPARISON OF POST-OPERATIVE PAIN AND SEALER EXTRUSION INCIDENCE FOLLOWING THE USE OF BIOCERAMIC SEALER AND RESIN-BASED SEALER: A CLINICAL EVALUATION

H. Singh



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MALL 7 - ROOM DAVIDIA 03 (LEVEL D)

(1) 14:30 – 16:00 ORAL PRESENTATIONS ON FREELY CHOSEN SUBJECTS

CATEGORY: ARTIFICIAL INTELLIGENCE

MODERATOR: Vittorio Franco



Vittorio Franco

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OP008 - MULTI-CENTER PRG VISUAL DIAGNOSIS FROM CBCT IMAGES VIA A UNIFIED DL FRAMEWORK

W. Fu



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OP010 - EVIDENCE-BASED POTENTIAL OF ARTIFICIAL INTELLIGENCE LANGUAGE MODELS ON DENTAL ANTIBIOTIC USAGE

N. Yilmaz Çirakoglu

OP011 - ARTIFICIAL INTELLIGENCE IN ENDODONTICS: CLINICAL APPLICATIONS, LIMITATIONS, AND FUTURE DIRECTIONS

L. Polymerou

OP012 - THE USE OF AI AND DIGITAL WORKFLOW IN SURGICAL ENDODONTICS. THINK OUTSIDE THE BOX!

M. Alharbi

() 16:00 – 16:30 COFFEE-BREAK

O HALL 7 - ROOM DAVIDIA 03 (LEVEL D)

() 16:30 – 18:00 ORAL PRESENTATIONS ON FREELY CHOSEN SUBJECTS

CATEGORY: ARTIFICIAL INTELLIGENCE / NEW CLINICAL TECHNIQUES OR MATERIALS **MODERATOR:** *J.- P. Siquet*



J.- P. Siquet

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OP031 - GUIDED ENDODONTICS. PRINCIPLES, TECHNIQUES AND LIMITS S. Stefanescu

OP033 EVIDENCE BASED PARADIGM SHIFT IN ROOT CANAL THERAPY S.S. Bhandari

OP034 - EFFECT OF HEAT AND IRRIGATION AGITATION ON THE SMEAR LAYER REMOVAL ABILITY OF CALCIUM HYPOCHLORITE: A SCANNING ELECTRON MICROSCOPE STUDY D. Erkal

OP035 - ONE-WAY MEMBRANE DECOMPRESSION FOR VITAL PULP PRESERVATION IN IRREVERSIBLE PULPITIS

Y. Zheng

OP036 - MANAGING WEEPING CANALS: A PRACTICAL ALGORITHM AND CASE SERIES M. Solomonov



PROGRAMME

THURSDAY, 4TH SEP. 2025

MALL 8 - ROOM DATTIER 03 (LEVEL D)

() 14:30 - 16:00 ORAL PRESENTATIONS ON FREELY CHOSEN SUBJECTS

CATEGORY: ASSESSMENT (KNOWLEDGE, PRECLINICAL AND CLINICAL) / BIOCOMPATIBIL-

ITY AND BIOACTIVITY

MODERATOR: D. Rechenberg



D. Rechenberg

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OP013 - ADVANCED STRATEGIES IN MANAGING CALCIFIED ROOT CANALS: A FOCUS ON DIAGNOSTICS AND MINIMALLY INVASIVE TECHNIQUES

M. Kubatska

OP014 - DIAGNOSTIC ACCURACY OF COLD, HEAT, AND ELECTRICAL PULP TESTS: AN IN VIVO STUDY

E. Erden Bozdag

OP017 - EFFECT OF BIOACTIVE GLASS BIOMATERIALS ON THE DENTIN SURFACE AND ON THE DENTIN INTERFACE WITH ENDODONTIC SEALERS

M. Tanomaru-Filho

OP018 - EVALUATION OF THE BIOCOMPATIBILITY OF BIO-C TEMP, CALCIUM HYDROXIDE, AND CHLORHEXIDINE GEL ON SAOS-2 AND NHDF CELL LINES

D. Inkaya

(1) 16:00 – 16:30 COFFEE-BREAK

O HALL 8 - ROOM DATTIER 03 (LEVEL D)

○ 16:30 – 18:00 ORAL PRESENTATIONS ON FREELY CHOSEN SUBJECTS

CATEGORY: CANAL PREPARATION - APICAL EXTRUSION / CANAL PREPARATION - CYCLIC FATIGUE AND FRACTURE / CANAL PREPARATION - OTHER

MODERATOR: Peter Kiefner



Peter Kiefner

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OP037 - COMPARATIVE EVALUATION OF APICALLY EXTRUDED DEBRIS AMOUNT USING VARIOUS KINEMATIC WITH THREE IRRIGATION TECHNIQUES: AN IN VITRO STUDY E. Atabay

OP038 - FATE OF EXTRUDED SEALER

A. Alguraishi

OP039 - NICKEL-TITANIUM ENDODONTIC FILES AND THEIR THERMAL TREATMENTS: FROM STRUCTURE TO CLINICAL USE

L. Arbona

OP041 - THE EFFECT OF ROOT CANAL PREPARATION SIZE OF SECOND MESIOBUCCAL CANALS ON FRACTURE RESISTANCE OF THE MAXILLARY 1. MOLAR AND 2. MOLAR TEETH A.K. Batki

OP042 - ENDODONTIC INSTRUMENTS MADE OF COPPER-BASED SHAPE MEMORY ALLOYS: MYTH OR REALITY?

M. Engels-Deutsch

PALL 9 - ROOM DATTIER 02 (LEVEL D)

(1) 14:30 – 16:00 ORAL PRESENTATIONS ON FREELY CHOSEN SUBJECTS

CATEGORY: CANAL FILLING - HYDRAULIC CALCIUM SILICATE CEMENTS **MODERATOR:** *Julian Leprince*



Julian Leprince

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OP019 - CHARACTERIZATION OF DIFFERENT CEMENTS USED IN ENDODONTIC SEALERS N. Hussein

OP020 - EFFECT OF DIFFERENT ACTIVATION DEVICES ON LATERAL CANALS FILLING WITH BIOCERAMIC SEALER: A MICRO-CT STUDY

B. Bugday

OP021 - CLINICAL USE OF HYDRAULIC CALCIUM SILICATE CEMENTS IN COMPLEX ENDODONTIC CASES

S. Heranin

OP022 - INVESTIGATION OF DENTIN TUBULE PENETRATION OF BIOCERAMIC BASED SEALAR USING DIFFERENT SINGLE-CONE OBTURATION TECHNIQUES B. Sevinc

OP023 - A COMPARATIVE PUSH-OUT BOND STRENGTH ANALYSIS OF BIOACTIVE GLASS AND RESIN-BASED ROOT CANAL SEALERS

K. Ruksakiet

OP024 - BIO-OBTURATION: A PARADIGM SHIFT IN ROOT CANAL TREATMENT BY ENDODONTIC BIOMATERIALS

A. Eslambol Nassai

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PROGRAMME

THURSDAY, 4TH SEP. 2025

() 16:00 – 16:30 COFFEE-BREAK

O HALL 9 - ROOM DATTIER 02 (LEVEL D)

() 16:30 – 18:00 ORAL PRESENTATIONS ON FREELY CHOSEN SUBJECTS

CATEGORY: CANAL FILLING - HYDRAULIC CALCIUM SILICATE CEMENTS / CANAL FILLING - OTHER / ROOT CANAL CALCIFICATION AND APICAL PERIODONTITIS - AN ENDODONTIC TREATMENT CHALLENGE / ROOT FRACTURES

MODERATOR: Sebastian Bürklein



Sebastian Bürklein

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OP043 - MICROSTRUCTURAL AND ELEMENTAL EXAMINATION OF VARIOUS BIOCERAMIC SEALERS USING SEM/EDS ANALYSES

A. Karadayi

OP044 - ROLE OF BIOCERAMIC ENDODONTIC SEALERS IN ROOT CANAL TREATMENT FOR PATIENTS WITH INTELLECTUAL DISABILITIES

M. Sevin

OP045 - ENDODONTIC MICROSURGERY: TRANSFORMING FAILURES INTO OPPORTUNITIES FOR SUCCESS

A. Glynis

OP046 - ENDODONTIC MANAGEMENT OF HORIZONTAL ROOT FRACTURES D. Erbahçeci

OP047 - ENHANCING ENDODONTIC DIAGNOSIS: THE ROLE OF ADVANCED IMAGING IN DETECTING TOOTH FRACTURES

J. Kim

OP048 - A COMPARISON OF THE EFFECT OF CALCIUM HYDROXIDE APEXIFICATION VS. MTA BARRIER ON THE PREVALENCE OF CERVICAL ROOT FRACTURES

D. Moreinos



PROGRAMME

FRIDAY, 5TH SEP. 2025

○ HALL 1 – AMPHITHEATRE SÉQUOIA (LEVEL B)

STRATEGIES FOR PAIN FREE ROOT CANAL TREATMENT

Sebastian Bürklein



Sebastian Bürklein

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Overview

Effective pain management during and after root canal therapy is crucial for dentists in routine clinical practice, as optimal intra-operative pain control diminishes post-operative discomfort and patients are likely to be hesitant to undergo future root canal procedures if they have previously experienced significant pain during treatment. This presentation explains various techniques for efficient pain management.

O HALL 1 – AMPHITHEATRE SÉQUOIA (LEVEL B)

() 09:45 − 10:30 SESSION CHAIR: Maria Pigg

ROOT CANAL INSTRUMENTATION: EVOLUTION, INNOVATION AND THE FUTURE

Ghassan Yared



Ghassan Yared

I declare that I have a past or present financial interest/arrangement, consulting position, or affiliation with the corporate organization(s) whose product(s) I will discuss in my presentation

Overview

The evolution of root canal instrumentation has been shaped by true breakthroughs, with NiTi alloys being one of the most transformative. Their superior flexibility and resistance to cyclic fatigue allowed for safer, more efficient shaping of complex canal anatomies, overcoming the limitations of stainless-steel files. Quickly embraced by both clinicians and the industry, NiTi instruments became the standard in endodontics, fundamentally changing treatment protocols and driving continuous improvements in metallurgy and file design.

Another game-changer was single-file asymmetrical reciprocation, which simplified instrumentation by reducing the number of files needed while enhancing safety and efficiency. The asymmetrical motion minimized file stress, decreased fracture risk, and made root canal treatment more predictable and accessible. Widely adopted by clinicians and manufacturers, this approach reshaped treatment protocols and led to further refinements in reciprocating systems.

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But have we reached the peak of meaningful innovation, or is another paradigm shift on the horizon? Advances in metallurgy, file design, and kinematics continue to refine efficiency and safety. This presentation explores past breakthroughs, current progress, and the future of endodontic instrumentation - whether it holds another revolution or just smarter refinements.

() 10:30 – 11:00 COFFEE-BREAK

PALL 1 – AMPHITHEATRE SÉQUOIA (LEVEL B)

11:00 – 11:40 SESSION CHAIR: Alexis Gaudin

ARTIFICIAL INTELLIGENCE IN ENDODONTICS

Frank Setzer



Frank Setzer

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Overview

Artificial intelligence (AI) based technologies are fundamentally changing all aspects of health care. There has been a significant increase in AI studies and applications in Endodontics within the past ten years. AI support will become clinically implemented for biomedical image analysis, decision support, and live treatment assistance. AI has now been implemented in diagnosis and treatment planning, prognosis, practice management, and education. This presentation will critically appraise clinical applications for the detection and diagnosis of endodontic pathologies such as periapical lesions, cracks and fractures, resorptive defects, the evaluation of anatomical landmarks, treatment prognostication. This presentation will provide participants with a critical overview of the current proceedings of AI in Endodontics, and an outlook on future applications for everyday clinical operations.

HALL 1 – AMPHITHEATRE SÉQUOIA (LEVEL B)

11:45 – 12:30 SESSION CHAIR: Alexis Gaudin

CHALLENGES, OPPORTUNITIES AND NEW PERSPECTIVES IN ENDODONTOLOGY

Emi Shimizu



Emi Shimizu

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Overview

Regenerative endodontics aims to replace damaged dentin-pulp complexes with endogenous or exogenous cells to restore intact pulp functions. Currently, two methodologies for cell-recovery in the debrided pulp space are being studied; one utilizes endogenous stem-cells homing to the cleared pulp space from the patient's peri-apical region, while the other employs exogenous cells to be engrafted into the pulp space. Endogenous cells are immunologically safe to patients; however, aged patients have difficulties with this approach due to the insufficient number and regenerative capacity of their endogenous stem cells. In contrast, a variety of stem cell sources including induced pluripotent stem cell (iPSC) have been studied in exogenous cell-based methodology, while it poses the risk of immune-rejection and tumorigenicity. This presentation will illustrate alternative treatment options, methods, and future direction of the procedure of regenerative endodontics for permanent teeth.

🧑 HALL 1 – AMPHITHEATRE SÉQUOIA (LEVEL B)

() 12:30 – 12:45 PRIZES AND AWARDS

(1) 12:45 – 13:30 LUNCH

13:30 – 14:30 POSTER PRESENTATIONS / TRADE EXHIBITION

HALL 1 – AMPHITHEATRE SÉQUOIA (LEVEL B)

ENDODONTIC MICROSURGERY: NEW FRONTIERS AND CHALLENGES

Paula Villa



Paula Villa

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Overview

This lecture explores the cutting-edge advancements and innovative techniques within the realm of endodontic microsurgery. It underscores the significance of precision and the integration of advanced technologies, supported by evidence-based research, in optimizing treatment outcomes for complex clinical cases.

Additionally, it highlights the numerous challenges that practitioners may face, including the steep learning curve inherent in mastering these advanced techniques, effective patient management strategies, and the necessity of maintaining high standards of care. The presentation aspires to equip endodontists with the knowledge and confidence to navigate these challenges effectively, thereby enhancing their capacity to deliver outstanding patient care and propel the field of endodontic microsurgery forward.



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🧐 HALL 1 – AMPHITHEATRE SÉQUOIA (LEVEL B)

(1) 15:15 - 16:00

SESSION CHAIR: Lara Friedlander

P4 ENDODONTICS: A PATH TOWARDS EFFICACIOUS LIFELONG CARE?

Ove Peters



Ove Peters

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Overview

Endodontic care is traditionally defined by local disease conditions, often overlooking its broader impact on overall health and quality of life. As the field evolves, a P4 Medicine approach - predictive, preventive, personalized, and participatory - may become relevant in optimizing endodontic treatment outcomes. Estimates indicate that up to 30% of the global population is affected by pulpal disease, yet many experience significant unmet treatment needs, leading to pain, tooth loss, and impaired daily functioning.

To align endodontics with P4 principles, a shift from reactive treatment to proactive prevention is essential. Predictive models, leveraging patient data and risk assessments, may identify high-risk individuals before disease progression. Preventive strategies, such as minimally invasive treatments and targeted interventions if indicated, should be prioritized alongside patient education to reduce the overall burden of disease. Personalization of endodontic care, based on individual risk factors, genetics, and treatment response, can improve clinical outcomes and patient satisfaction. Additionally, a participatory approach, involving patients in decision-making through shared treatment planning, enhances adherence and long-term success.

However, many challenges remain in implementing P4 Endodontics globally, including disparities in access to specialized care and the high cost of education. Expanding training programs, integrating dental auxiliaries, and leveraging emerging technologies can bridge these gaps. Another important aspect is the definition of disease, which at current is not aligned with a P4 approach. This presentation will explore how P4 principles could reshape endodontic care, towards a more efficacious approach to managing pulpal and periapical disease.

(1) 16:00 – 16:30

COFFEE-BREAK



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FRIDAY, 5TH SEP. 2025

O HALL 1 – AMPHITHEATRE SÉQUOIA (LEVEL B)

TARGETED ANTIMICROBIALS: IS CLINICAL TRANSLATION POSSIBLE?

Anil Kishen



Anil Kishen

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Overview

Targeted antimicrobials differ from conventional broad-spectrum antimicrobials in that they are specifically designed to eliminate particular pathogenic microorganisms. This targeted approach helps to minimize any harm to beneficial microflora and host tissues. These agents often utilize advanced delivery systems, such as nanoparticles or bioactive glass, which enhance deeper penetration and ensure a sustained release of antimicrobial compounds.

This lecture will cover the fundamentals of targeted antimicrobials, including their mechanisms of action, delivery systems, and the latest research in this field. The clinical feasibility of using these advanced therapeutic agents will be discussed, highlighting their advantages and limitations. This lecture aims to provide a comprehensive overview of the potential applications of targeted antimicrobials in endodontic treatment by exploring ongoing research.

HALL 1 – AMPHITHEATRE SÉQUOIA (LEVEL B)

PRECISION DENTISTRY: BIOMARKERS IN ENDODONTICS FOR ADVANCED CLINICAL DECISION-MAKING

Claudia Brizuela



Claudia Brizuela

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Overview

Are you ready to embrace the future of endodontics – one that's Predictive, Preventive, Personalized, and Participatory?

Precision dentistry isn't a distant goal – it's already here, quietly reshaping how we understand and treat pulpal disease. Biomarkers give us a new lens into what's happening at the molecular level, often before clinical signs emerge. With them, we can move from reactive to truly proactive care: diagnosing earlier, treating smarter, and preserving more of what matters.

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In this session, I'll share how the combination of biomarkers, omics technologies (like transcriptomics, proteomics, and metabolomics), and the growing role of artificial intelligence (AI) is opening doors we couldn't imagine a decade ago.

We'll dive into three core ideas:

- Seeing before symptoms: How markers in pulpal blood, dentinal fluid, or periapical exudate can help us distinguish between reversible inflammation, irreversible damage, and necrosis.
- Making sense of complexity: How omics data and Al work together to decode the invisible mapping inflammation, healing, and potential treatment outcomes.
- From science to chairside: Real clinical cases where these tools helped preserve pulp vitality, avoid unnecessary interventions, and guide more precise decisions.

Whether you're a clinician, researcher, or student, this talk is for those who believe that understanding the biology, profoundly and intelligently, can change everything.

Join me in exploring how precision tools are making endodontics not just more accurate but also more human.

MALL 2 – AMPHITHEATRE EPICÉA (LEVEL B)

🕦 09:00 – 09:40 🙎 SESSION CHAIR: Lise-Lotte Kirkevang

VPT FOR IRREVERSIBLE PULPITIS - FROM DIAGNOSIS TO TREATMENT

Yusuke Takahashi



Yusuke Takahashi

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Overview

Pulpotomy has been recently recommended for the treatment of irreversible pulpitis instead of pulpectomy. However, it's still difficult to accurately diagnose reversible/irreversible pulpitis before treatment. The reason for this difficulty can be the diagnosis mainly depends on the "pain" from patients. Pain is one of the most subjective symptoms and difficult to quantified. Therefore, various objective diagnostic methods have been investigated, but none of them could be translated into clinic. We have conducted our research to develop a novel vital pulp treatment (VPT). First, we established a rat pulpitis model derived from caries. Monitoring the caries progression by micro-CT and histology demonstrated a successful induction of reversible/irreversible pulpitis. Second, an objective pulpal diagnostic method using MRI was investigated. MRI signal intensity was correlated with the severity of pulpal inflammation and it indicated MRI could potentially be applied for clinical diagnosis. Then, we have been developing a biological material for VPT. Several proteins were found to facilitate pulpal wound healing process. Functional peptides were extracted from the proteins, and these peptides showed similar characteristics to the original proteins. In addition, one of them showed anti-inflammatory characteristics. VPT experiments are now being performed with this peptide in the pulpitis animals to determine whether the peptide can be effective as an innovative material for irreversible pulpitis. Such a biological sub-

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stance may be an innovative candidate for the next-generation VPT, and we hope for a new era of endo-free dentistry and extended longevity of teeth in the world.

O HALL 2 – AMPHITHEATRE EPICÉA (LEVEL B)

GENETIC SUSCEPTIBILITY TO APICAL PERIODONTITIS DEVELOPMENT

Aleksandar Jakovljevic



Aleksandar Jakovljevic

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Overview

Apical periodontitis (AP) represents a chronic inflammatory reaction within tooth-supporting tissues of teeth with an infected root canal system. It arises due to a complex interplay between different inherent, environmental, and predisposing factors. Therefore, the mono-causality concept of etiopathogenesis of AP is definitely obsolete, and it is now clearly considered as a multifactorial disease, suggesting that its complex nature involves overlapping inherent and environmental risk factors. Variations in genetic constitution between individuals modulate inflammatory and immunological responses in general, resulting in a range of different responses to common environmental challenges. Heredity may be a significant contributing factor in the face of microbiological challenges, mainly because inflammation is a dynamic and complex process with many components, including the host's immune response based on genetic susceptibility. However, the mechanism of interaction between heredity and different environmental factors in the modification of AP susceptibility and prediction of its progression remains poorly elucidated. This lecture aimed to present the current evidence regarding the role of heredity in the development of AP. Also, the potential clinical implications for personalized dental care and future perspectives for research will be presented.

(1) 10:30 - 11:00 COFFEE-BREAK

O HALL 2 – AMPHITHEATRE EPICÉA (LEVEL B)

🕦 11:00 – 11:40 🕺 SESSION CHAIR: Dan Rechenberg

ERGONOMICS IN ENDODONTIC PRACTICE

Jean-Pierre Siquet



Jean-Pierre Siquet

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Overview

Ergonomics is the science that optimizes human well-being in the workplace and promotes high-quality and efficient work.

Contrary to common belief, research has shown that endodontists working with an operative microscope are, like all other dental professionals, at risk of various health issues.

This lecture will provide an evidence-based overview of the etiological factors behind musculo-skeletal disorders and the most effective strategies to prevent them. A neutral working posture, grounded in biomechanical principles, will be described in detail, along with guidance on selecting dental equipment that best supports this posture.

Four-handed dentistry is another key factor in improving work efficiency. To implement it effectively in daily practice, both the endodontist and the dental assistant must be trained in four-handed techniques and apply pre-established protocols suited to their specific working techniques.

By the end of the lecture, participants will have a clear understanding of ergonomics as applied to modern endodontics and be able to implement these principles in their practice.

HALL 2 – AMPHITHEATRE EPICÉA (LEVEL B)

11:45 – 12:30 SESSION CHAIR: Dan Rechenberg

IS HYDRAULIC CONDENSATION WITH CALCIUM SILICATE-BASED SEALERS AS SIMPLE AS IT SEEMS?

Frédéric Bukiet



Frédéric Bukiet

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Overview

This presentation will explore the clinical application of hydraulic calcium silicate-based sealers for root canal obturation with hydraulic condensation. As these sealers continue to gain popularity, it is essential to understand the rationale behind their use, the clinical scenarios in which they are most beneficial, and the techniques required to optimize their performance. Extensive in vitro and ex vivo research has highlighted their biological and physicochemical properties, reinforcing their potential advantages. However, their unique characteristics also introduce new considerations regarding their clinical handling, particularly in the context of hydraulic condensation. By the end of this session, participants should have a better understanding of the advantages and limitations of these sealers, their most appropriate indications, and how their use can influence the overall endodontic procedure.

<u>()</u> 12:30 – 13:30	LUNCH
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13:30 – 14:30 POSTER PRESENTATIONS / TRADE EXHIBITION

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🧐 HALL 2 – AMPHITHEATRE EPICÉA (LEVEL B)

SYMPOSIUM 6 (1) 14:30 – 18:00

THINKING OUTSIDE THE ENDODONTIC BOX

🖰 Led by Julian Leprince



Julian Leprince

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Overview

Ever found yourself sitting in a conference room and realizing you've heard this a dozen times already, thinking you need to broaden your perspectives? Then this symposium is for you.

There are many things we know in the practice of endodontology: the importance of cleaning and shaping while avoiding gross mistakes, disinfecting, and tridimensionally obturating root canals. However, we often focus too heavily on these aspects, despite the possibility that everything on these topics has already been said and done.

In a world overwhelmed by information, the clinical and scientific community of endodontology requires new skills. These include a sharper ability to manage conflicting information, challenge biases, and embrace interdisciplinary approaches to improve clinical outcomes. This session will address these challenges, offering new knowledge and concepts to push our field and clinical skills forward. We will explore the challenges of discerning reliable evidence in a field overflowing with conflicting data, offering strategies for critically evaluating research and identifying findings that are relevant and useful for diverse populations of dentists and patients. Insights from the gut microbiome and its impact on liver disease will provide parallels that enhance our understanding of microbial ecosystems in endodontic infections and their possible broader health implications.

Recognizing how cognitive biases shape clinical decisions is another key focus. Attendees will learn techniques to identify and counteract these biases.

Finally, the symposium emphasizes actionable strategies for effective communication, empowering participants to share ideas, advocate for change, and make the aquired knowledge understandable and impactful.

In summary, the program of this afternoon is designed to broaden perspectives and inspire innovative thinking, providing a clear, grounded approach to addressing the complexities of modern endodontology.

14:30 - 15:15 Confusion-based dentistry: The hurdles of searching for the truth in endodontology Julian Leprince



Julian Leprince

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Overview

Endodontology, like many fields in dentistry and medicine, faces substantial challenges in the pursuit of truth. These challenges often stem from conflicting or insufficient evidence, the difficulty practitioners face in distinguishing opinion from fact, and the diversity of methodologies, treatment protocols, and clinical interpretations. Adding to this complexity is the natural human tendency—shared by all practitioners—to want to be "right." Together, these factors generate considerable confusion and lead to discrepancies in what is considered the best approach to patient care.

The first step in addressing this confusion is simply to become aware of it.

This presentation will take both a philosophical and scientific perspective to explore some of the key obstacles in discerning truth within endodontology. It is intended to serve as an introduction to the other presentations of the symposium.

While an absolute truth in endodontology may remain out of reach, embracing self-criticism, recognizing and managing our biases, communicating effectively, and looking beyond the boundaries of our own discipline are essential steps toward getting closer to it.

15:15 – 16:00 Lessons to learn from the gut microbiome: a liver disease perspective Nicolas Lanthier



Nicolas Lanthier

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Overview

The world of hepatology is currently undergoing a revolution with the rise of a disease called MASLD (for metabolic dysfunction-associated steatotic liver disease). Frequently associated with overweight, obesity, insulin resistance and, more generally, changes in eating habits (such as higher sugar consumption) and increased sedentary lifestyle, this excess fat in the liver, known as steatosis, can lead to a severe, inflammatory and then fibrotic form of the disease and cause cirrhosis, as in cases of heavy alcohol consumption. However, only 10 to 20% of people with liver steatosis will develop progressive liver disease. Among predisposing factors, changes in the oral and/or intestinal microbiota are attractive and interesting potential players. Indeed, microbes in the digestive tract are key elements in their host's metabolism, and the liver is one of the first organs to be exposed to changes via the gut-liver axis. Interestingly, the oral microbiota is the second largest microbiota in the human body and may reflect or even interact with the intestine and other organs in general. During this presentation, the links between these different actors, the pathophysiological mechanisms and the possibilities for intervention will be shared with the aim of opening our minds to other important aspects of health that our patients may face and inspiring innovative ways of thinking, preventing and treating diseases.

(1) 16:00 – 16:30

COFFEE-BREAK



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16:30 – 17:15 Cognitive biases and how serious games can mitigate them an RCT study. *Julia Sader*



Julia Sader

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Overview

Impact of a single training intervention on the mitigation of susceptibility to cognitive biases in medical residents: A multi-centric, randomized control trial on serious game vs instructional video.

17:15 - 18:00 Persuading other people

Jean-luc Doumont



Jean-luc Doumont

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Overview

Being able to persuade others is a critical skill for any career. We must convince an employer to hire us, persuade our boss to let us start a project, or get our coworkers to help us out. This talk offers a rational approach to persuasion: it covers how to use personal or organizational power and how to deploy tactics on four different planes so as to have other people accede more easily to our requests.

HALL 3 - DRAGONNIER 04+05 (LEVEL D)

() 09:00 – 12:30 SYMPOSIUM 4

VITAL PULP THERAPIES AND RESEARCH: FROM BIOLOGICAL PRINCIPLES TO CLINICAL AND EDUCATIONAL ASPECTS

🖰 Led by Valérie Chevalier



Valérie Chevalier

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Overview

The VPT & research symposium will provide participants with an evidenced –based update on current research on VPT and its consequences for endodontists and educators in endodontics.



PROGRAMME

FRIDAY, 5TH SEP. 2025

09:00 – 09:45 Vital Pulp Therapy Today

Tchilalo Boukpessi



Tchilalo Boukpessi

I declare that I have a past or present financial interest/arrangement, consulting position, or affiliation with the corporate organization(s) whose product(s) I will discuss in my presentation.

Overview

The biological and economic cost of defects in the management of deep carious lesions is now established. It is very important for patients as well as for public health. Therapeutic solutions that preserve pulp vitality and avoid endodontic treatment will enable pulp to keep its biological functions and patients to retain their teeth in the long term, providing enormous financial relief to them and their insurers. Strategies for the management of deep carious lesions have evolved in recent years thanks to pulp vitality preservation therapies such as selective excavation preventing from pulp exposure, direct pulp capping, partial pulpotomy, and full pulpotomy. This paradigm shift stems from major advances in the understanding of the biology of the pulp-dentin complex. Furthermore, the development of new capping biomaterials, such as calcium silicate hydraulic cements, has made treatments more predictable, both from a histological and clinical perspective.

Why, when, and how? These are the clinical questions that practitioners could ask themselves in their daily practice. The objective of this presentation is to provide practitioners with the answers to their clinical questions, using available scientific and clinical knowledge.

09:45 – 10:30 Pulpal Diagnosis for Predictable Vital Pulp Therapy

Ikhlas El Karim



Ikhlas El Karim

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Success of vital pulp therapy relies heavily on accurate case selection which, remains a challenge due to the limitations of current diagnostic methods. Advances in pulp biology research has significantly improved our understanding of pulpitis pathophysiology, but translation of these scientific developments into clinical diagnostic applications is lacking. The aim of this presentation is to provide a science based innovative approach to pulp diagnosis with focus on translating advances in pulp biology into a systematic approach to diagnosis and case selection for successful vital pulp therapy.

(1) 10:30 – 11:00

COFFEE-BREAK



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FRIDAY, 5TH SEP. 2025

11:00 – 11:45 What can we learn from clinical research about VPT?

Giorgos Tzanetakis



Giorgos Tzanetakis

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Overview

Recent research on vital pulp treatment (VPT) has provided abundant clinical evidence tightly connected to decision making and clinical management of eligible VPT cases. The present lecture aims firstly to map the state of the art of outcome measures related to VPT and subsequently also to discuss predictive factors likely to affect the outcome of different VPT modalities. In addition, an overview of the proper elements of VPT clinical trials in terms of robust and transparent methodology, sound reporting and suitable statistical analysis will be presented. Last, a systematic clinical workflow will be discussed on the management of pulp tissue following carious exposure, effective bleeding control and decision making towards the completeness of the procedure, through the observation of the structure of the remaining pulp tissue under high magnification.

11:45 – 12:30 How to teach VPT? What we can learn from educational research? *Valérie Chevalier*



Valérie Chevalier

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Overview

This presentation aims to explore effective strategies for teaching Vital Pulp Therapy (VPT) by examining current educational practices and research findings. The goal is to enhance the teaching methods and improve student understanding of VPT.

Objectives:

- Examine current teaching methods: Understand how VPT is generally taught in dental education programs.
- Investigate in literature what students currently know about VPT and identify any gaps in their understanding.
- · Identify challenges: Explore the aspects of VPT that students find most challenging and why.
- Improve teaching strategies: Propose evidence-based methods from educational research to better teach VPT.
- Think about future investigations: Identify which studies we need now to know more about VPT teaching.

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() 12:30 – 13:30 LUNCH

13:30 – 14:30 POSTER PRESENTATIONS / TRADE EXHIBITION

O HALL 3 - DRAGONNIER 04+05 (LEVEL D)

() 14:30 – 18:00 **SYMPOSIUM 7**

ROOT CANAL MICROBIOME AND NEXT-GENERATION ANTIMICROBIAL STRATEGIES IN ENDODONTICS

🖰 Led by Ronald Ordinola Zapata



Ronald Ordinola Zapata

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Overview

The removal of bacterial biofilms and their byproducts is critical for apical periodontitis healing. A detailed knowledge of the root canal anatomy, the endodontic microbiome, the periodontal condition, the restorative prognosis and the overall patient's health should be considered to determine the endodontic prognosis. The disinfection of the root canal system has traditionally been accomplished through mechanical debridement and the application of proteolytic solutions. Specific clinical scenarios have demonstrated that the neutralization of root canal contents can be accomplished only with irrigants and minimal dentin removal. The question of whether the disinfection of the root canal procedure could be achieved with or without enhanced irrigation arises. This lecture will provide participants with a current update on non-surgical root canal treatment disinfection.

Aims and Objectives:

The main goals are:

- · Highlight the anatomical variations of posterior teeth and its clinical management.
- · Discuss modern concepts in endodontic microbiology.
- Discuss the clinical advantages and limitations of different irrigation solutions and intracanal medicaments.
- Discuss the antimicrobial activity of conventional and multisonic irrigation in minimally invasive preparations.
- Provide a summary of clinical research that examined the efficacy of various irrigant solutions and intracanal medicaments on apical periodontitis healing.

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14:30 – 15:15 Management of the endodontic infection: current insights and future perspectives of root canal irrigation - Part 1

Teresa Arias Moliz



Teresa Arias Moliz

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Overview

The human oral microbiome undergoes changes in composition and spatial structure during the transition from health to oral diseases. Endodontic infections are characterized by a polymicrobial colonization of the root canal space. Although overall endodontic treatment outcome rates have improved over the years, the occurrence of post-treatment disease after endodontic treatment stands at 10-15%. Improved understanding of the oral microbiome, the biofilm structure, and the new technologies to control the root canal infection are required to improve clinical outcomes. This first part of the symposium focusses on presenting and discussing the oral biofilm structure and its endodontic implications. The second part will address the use of next-generation antimicrobial techniques to eradicate endodontic infections including the use of continuous chelation, multisonic and laser assisted irrigation.

15:15 – 16:00 Management of the endodontic infection: current insights and future perspectives of root canal irrigation - Part 2

Ronald Ordinola Zapata



Ronald Ordinola Zapata

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(16:00 – 16:30

COFFEE-BREAK

16:30 – 17:15 Spatial Biology of the Oral Microbiome

Alex Valm



Alex Valm

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Overview

The communities of microbes living in our bodies (the microbiome) are not randomly arranged. Instead, they have complex structures, analogous to tissues in the human body, where different compartments have different functions. Mapping this microbial biogeog-



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raphy is key to understanding how the microbiome affects our health and contributes to disease. Current methods for visualizing these microbial communities, however, are limited, especially when trying to image many different types of microbes at once. To address this limitation, we have developed Machine-Learning based image analysis tools that allow discrimination of 100 or more species with fluorescence in situ hybridization. We have further developed an in vitro dental plaque culture model that recapitulates the oral environment and allows systems-level imaging of microbial communities. We found that oral biofilms are highly heterogeneous in structure and we hypothesize that microbial aggregates, released during normal oral hygiene procedures, contribute to plaque biofilm complexity by preserving the anaerobic niche during transit in the oral cavity. Our results suggest that better strategies to de-aggregate bacterial consortia during normal oral hygiene procedures may inhibit the growth and development of complex dental plaque climax communities.

17:15 – 18:00 Antimicrobial vs. Antibiofilm activity: What, why, and How? *Prasanna Neelakantan*



Prasanna Neelakantan

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Overview

More than 70% of human infections, including root canal infections, are caused by highly organized, surface-attached microbial communities, termed biofilms. Despite this, most work done towards developing anti-infectives, perform experiments only on free-floating bacterial cultures or use approaches that do not study the effects of treatments on biofilms. In this symposium-lecture, I will highlight why research and development must focus on biofilms. I will also provide insights into how we can improve antibiofilm activity in endodontics.

HALL 4 - SPONSORED LECTURES DRAGONNIER 03 (LEVEL D)

() 09:50 – 10:35 **COLTENE LECTURE**

BIOCERAMIC MATERIALS IN ENDODONTICS: PRINCIPLES, TYPES, AND THE EMERGENCE OF HYBRID BIOCERAMICS

Speaker: Sebastian Ortolani



Sebastian Ortolani

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Overview

Bioceramic materials have significantly advanced endodontic practice by offering superior biocompatibility, bioactivity, and sealing ability. This presentation will provide an overview of the fundamental principles underlying bioceramic technology, including their chemical composi-

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tion, setting mechanisms, and clinical behavior. A comparison of the currently available types of bioceramics—pure bioceramics and hybrid formulations—will be discussed, highlighting their respective advantages and limitations.

Special attention will be given to hybrid bioceramic sealers, which combine the biological benefits of traditional bioceramics with the versatility of conventional obturation techniques, such as thermoplasticized gutta-percha. These materials exhibit biological performance comparable to pure bioceramics, while offering improved handling and enhanced sealing properties over traditional resin-based sealers. The integration of hybrid bioceramics into contemporary endodontic obturation protocols represents a promising evolution in the pursuit of long-term clinical success.

This lecture and speaker are sponsored by Coltene

(1) 10:35 - 11:00

COFFEE-BREAK





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O HALL 4 - SPONSORED LECTURES DRAGONNIER 03 (LEVEL D)

(1) 11:00 – 11:45 HENRY SCHEIN ENDODONTICS LECTURE

IMPROVING EFFICIENCY OF ENDODONTIC TREATMENT

Speakers: Adham Azim and Matthias Zehnder



Adham Azim

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Matthias Zehnder

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Aim

Clinicians aim at delivering highest standard of care to heal patients. Instrumentation, enhanced irrigation, and obturation play a critical role in achieving good treatment outcomes. This lecture will explore each of these clinical steps and present an optimized approach to treatment that reduces chair time without compromising the quality of care.

Learning Objectives

- · Learn how to efficiently combine high-level instrumentation, continuous chelation, and obturation to reduce chair time
- Understanding that efficiency does not impact quality

This lecture and speakers are sponsored by Henry Schein Endodontics

O HALL 4 - SPONSORED LECTURES DRAGONNIER 03 (LEVEL D)

() 11:50 – 12:35 **WOODPECKER LECTURE**

THE CLEAN PARADOX: MINIMIZING DEBRIS THROUGH SMARTER INSTRUMENTATION AND IRRIGATION

Speaker: Carlos Spironelli Ramos



Carlos Spironelli Ramos

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Aim

Despite decades of innovation in endodontic instrumentation, a persistent paradox challenges clinicians: efforts to clean the root canal system can unintentionally generate and extrude debris, leading to postoperative complications and impaired healing. This lecture explores the "clean paradox" — the unintended consequences of conventional shaping and irrigation protocols — and presents an evidence-based pathway toward smarter, biologically driven techniques. Attendees will examine the chemical-mechanical factors contributing to debris formation and lateral packing, and learn how modern approaches, such as the SonicStream rinsing, can harmonize instrumentation and irrigation to achieve safer, cleaner, and more predictable outcomes. Emphasis will be placed on clinical integration, efficiency, and real-world applicability.

Learning Objectives

By the end of this lecture, participants will be able to:

- 1. Describe the paradox of root canal instrumentation how conventional techniques can inadvertently increase debris and canal blockage.
- 2. Analyze the mechanical factors contributing to ineffective debridement and the incapability of anatomical access to non-instrumented areas.
- 3. Compare traditional and modern approaches to irrigation and shaping regarding debris control and disinfection efficiency.
- 4. Understand the principles and protocol behind the continuous ultrasonic irrigation and how it addresses the clean paradox.
- 5. Implement practical strategies to enhance cleaning outcomes in daily endodontic practice.

Topics

- 1. Discover hidden canal entrances with safe ultrasonic inserts.
- 2. Unveil the electronic foramen locator method to determine the foramen position.
- 3. Master an intuitive instrumentation technique by employing two different kinematics simultaneously.
- 4. Utilize a new heat-treated rotary/reciprocating file system.
- 5. Utilize cutting-edge SonicStream ultrasonic cleaning.

This lecture and speaker are sponsored by Woodpecker

<u>()</u> 12:30 – 13:30	LUNCH
13:30 – 14:30	POSTER PRESENTATIONS / TRADE EXHIBITION



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HALL 4 - SPONSORED LECTURES DRAGONNIER 03 (LEVEL D)

(1) 14:30 - 15:15

SUZHOU RAMO MEDICAL INSTRUMENT CO., LTD LECTURE

SIMPLIFYING ENDO: REAL CASES, PROVEN SOLUTIONS

Speaker: Alaa Al Atta



Alaa Al Atta

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Aim

To provide a platform for simplifying endodontic decision-making through evidence-based, case-driven discussions, empowering participants to enhance their clinical practice with proven strategies and insights.





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Learning Objectives

- · Interpret real-life endodontic cases using evidence-based approaches.
- · Address challenges in endodontic procedures with practical, research-driven solutions.
- · Explore the benefits of metallurgy heat-treated files through case discussions.

This lecture and speaker are sponsored by Suzhou Ramo Medical Instrument Co., Ltd

O HALL 4 - SPONSORED LECTURES DRAGONNIER 03 (LEVEL D)

① 15:20 – 16:05 FANTA DENTAL LECTURE

SHAPING THE FUTURE: REVOLUTIONIZING ANATOMICAL PRECISION IN ENDODONTICS

Speaker: Emre Övsay



Emre Övsay

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Summary

Biomechanical preparation in endodontics has become a critical focus in recent years. Minimal invasive shaping now stands as the foundation of modern root canal treatments, promoting tooth structure preservation while delivering high clinical success rates. Although numerous shaping systems are available, the subtle differences between them reflect the continuous innovation driving advancements in endodontic techniques.

Objective

This presentation aims to provide a comprehensive analysis of shaping concepts in endodontics, with a special focus on minimal invasive shaping. It will highlight the distinctions between existing systems and explore the role of innovation in enhancing clinical precision and outcomes.

Materials and Methods

The presentation will review key minimal invasive shaping techniques and their associated systems, comparing their features, advantages, and practical applications. Additionally, recent technological developments in biomechanical preparation will be examined to assess their impact on clinical practice.

Findings

Evidence suggests that minimal invasive shaping methods significantly improve fracture resistance, reduce procedural risks, and enhance long-term treatment success by preserving natural dentin.

Conclusion and Discussion

Minimal invasive shaping represents a groundbreaking evolution in endodontics, aligning with the broader movement toward precision-based, patient-centric care. This presentation offers an in-depth view of the latest innovations, providing clinicians with valuable insights into optimizing anatomical shaping for superior outcomes.

This lecture and speaker are sponsored by Fanta Dental.



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- (1) 16:00 16:30 COFFEE-BREAK
- HALL 4 SPONSORED LECTURES DRAGONNIER 03 (LEVEL D)
- () 16:30 17:15 DENTSPLY SIRONA LECTURE

CLINICAL AND SCIENTIFIC ASSESSMENT OF A CONSERVATIVE RECIPROCATING INSTRUMENT FOR USE IN COMPLEX CANALS IN A SINGLE-FILE TECHNIQUE WITHOUT SCOUTING OR GLIDE PATH PREPARATION

Speakers: Gustavo de Deus and Ghassan Yared



Gustavo de Deus

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Ghassan Yared

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Abstract

Shaping complex root canal anatomies, such as MB2, narrow, or severely curved canals, remains a technical challenge in endodontic practice. Various approaches have been proposed to enhance efficiency and reduce procedural difficulty, including single-file reciprocating systems that allow canal preparation without initial scouting or glide path preparation.

This presentation will examine the clinical and experimental performance of a reciprocating instrument with reduced size and taper to facilitate conservative shaping and improve ability to reach length across a wider spectrum of challenging anatomical configurations, using a single-file approach without initial scouting or glide path preparation. The instrument's mechanical and metallurgical properties will be outlined. Cases will illustrate its clinical use, and comparative data with other single-file systems will be presented. Key parameters such as resistance to fracture, ability to reach full working length, dentine preservation, and centering ability will be discussed to provide an evidence-based overview of its efficacy in managing challenging canal anatomies.

HALL 5 - ROOM DAVIDIA 01 (LEVEL D)

① 09:00 – 10:30 SYMPOSIUM 5

YOUNG EMERGING ACADEMICS SYMPOSIUM

🖊 Led by Hagay Shemesh and Alexandru Gliga



Hagay Shemesh

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Alexandru Gliga

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Overview

In this session 5 young endodontists, researchers or post graduate students will present their research and findings from universities with an ESE accredited post graduate program. The topics are varies and will include studies about debris extrusion, selective restreatment, artificial intelligence, modern imaging modalities and more.

The "Young Emerging Academics Symposium" is an opportunity to support the next generation of endodontic researchers and clinicians while providing a stage for their innovative work. We in-



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vite you to join us in this exciting session to witness the future of our field unfold and to connect with these talented emerging academics.

09:00 – 09:15 Application of the Kang & Snell model of discipline development in the restorative department of the Eastman Dental Institute & Hospital (EDI/H)

Temilade Ajimoko



Temilade Ajimoko

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Aim

There is a prevailing view of the merit of dual, specialist (narrow focused and deep learning), and generalist (broad multidisciplinary) learning strategies for enhancing individual and organisational progression. There is an absence of published literature, which explores this dynamic within the dental domain. This qualitative study aimed to explore whether a modified human resource management model (Kang & Snell 2009) was conceptually applicable to the Eastman Dental Institute & Hospital's restorative department.

Method

Online semi-structured interviews with nine senior postgraduate trainees and staff in the restorative department (Endodontology, Periodontology, Prosthodontics and Restorative Dentistry) at the Eastman were conducted. The interview transcripts were analysed using the Gioia method and a narrative analysis, to examine perceptions and experiences of the model in a Restorative Dentistry context.

Results

The findings revealed that all six elements of the human, social and organisational capital levels of Kang & Snell's model were perceived to be applicable to the restorative department of the EDI/H. However, no individual had perceived to have experienced a single complete model archetype and there was overlap in experiences of somewhat opposing archetypes. Six dominant influences on perceptions and experiences of the model were identified.

Conclusions

This empirical research revealed that Kang & Snell's (2009) model of combined specialist and generalist learning was perceived to be applicable to the restorative department of the Eastman. Exploration of experiences of this, or other human resources management models, can help inform effective implementation of combined learning styles within restorative specialty training institutions.

09:15 – 09:30 The tooth survival of non-surgical endodontically treated posterior teeth and the prognostic tooth related factors: a systematic review and meta-analysis Shanil Patel



Shanil Patel

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Aim

To investigate (i) the survival of restored non-surgical endodontically treated posterior teeth (ETPT) and (ii) any tooth related factors that affect survival of ETPT.

Methodology

Randomised clinical trials, comparative studies and observational studies assessing survival rates of ETPT with a minimum 4-year follow up period were identified through an electronic search of various databases up-to January 2023. Two reviewers independently selected the final studies based on a set inclusion criteria. The Newcastle Ottawa Scale and the Cochrane Risk of Bias Tool for Randomized Trials were used for the risk assessment. The pooled weighted survival rates were analysed using a random effects meta-analysis model through Der-Simonean and Laird methods. Descriptive analysis of studies mentioning any prognostic tooth-related factors was conducted. (PROSPERO:CRD42021227213)

Results

Of 4845 studies initially identified, 20 were included in the survival meta-analysis, and 13 of these studies were included in the descriptive analysis of tooth-related factors. 12 studies were retrospective, 7 were prospective, and one was a randomised control trial. The pooled survival rates at 4-7 years and 8-20 years of ETPT regardless of tooth type was 91% (95% CI, 0.85; 0.95) and 87% (95% CI, 0.77; 0.93) respectively. The prognostic tooth related factors mentioned in the included studies were i) Remaining coronal tooth structure, ii) ferrule, iii) crown-to-root ratio iv) tooth type and location v) periodontal disease vi) proximal contacts and vii) cracks.

Conclusion

The pooled survival for ETPT at 4-7 years and 8-20 years was 91% and 87% respectively. Seven tooth related factors were found to affect the survival of ETPT.

09:30 – 09:45 Comparative Evaluation of Debris Extrusion and Canal Transportation of Three Rotary Systems in Severely Curved Canals Rawan Elkhaled



Rawan Elkhaled

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Overview

Root canal treatment is a critical procedure in endodontics, aiming to clean and shape the root canal system while preserving the anatomy. However, challenges such as canal transportation and debris extrusion can complicate treatment. This study evaluated and compared the performance of three rotary systems—TwoShape (TS), BlueShaper (BS), and Aurum Blue (AB) - in severely curved mandibular molars, focusing on apical extrusion of debris, canal transportation, and centering ability. Thirty extracted molars were selected based on strict inclusion and exclusion criteria and instrumented under standardized conditions. Apical extrusion was measured using a modified Myers and Montgomery model. Cone-Beam Computed Tomography (CBCT) scans were taken before and after instrumentation to assess canal transportation and centering ability at 3, 6, and 9 mm from the apex. Results showed that all systems caused some apical extrusion, with TwoShape exhibiting significantly less extrusion than BlueShaper and Aurum Blue, which had comparable values. All rotary systems



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demonstrated safe and acceptable performance regarding canal transportation and centering ability, with only minor variations observed among the groups. The findings suggest that both the cross-sectional design and metallurgical properties of the files may influence shaping efficiency, debris extrusion, and preservation of the canal's original anatomy. These systems can be considered safe for use in the preparation of severely curved canals, with only minor variations in performance. Understanding these characteristics can help clinicians optimize file selection according to specific clinical challenges.

09:45 – 10:00 Evaluating the Performance of an Al-Driven Platform in Detecting Periapical Radiolucent Lesions

Marwa Allihabi



Marwa Allihabi

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Overview

Accurate detection of periapical radiolucent lesions (PARLs) is crucial for endodontic diagnosis. While cone-beam computed tomography (CBCT) is considered the radiographic gold standard for detecting PARLs in non-root filled teeth, its use is often limited by cost and radiation exposure. Artificial Intelligence (AI) based radiographic analysis has shown the potential to enhance the diagnostic capability of periapical (PA) radiographs, but its accuracy, compared to CBCT, needs further evaluation.

To address this gap, our research investigated the performance of an Al-driven platform, Diagnocat, in detecting PARLs on PA radiographs of teeth diagnosed with irreversible pulpitis or pulp necrosis, using CBCT as the reference standard. The Al platform's performance was compared to the performance of experienced endodontists.

The Al-driven platform demonstrated a high level of specificity, comparable to that of expert endodontists, indicating its ability to correctly identify the absence of PARLs. However, the platform's overall accuracy and sensitivity were lower than those of the endodontists. This suggests that while the Al system is effective at ruling out lesions, it may miss some cases of PARLs that are detectable by experienced clinicians. These findings highlight the need for further refinement of the Al algorithms to improve their ability to detect the presence of lesions.

Overall, the Al-driven platform shows promise as an adjunctive aid rather than a replacement for clinical judgment. Future studies should focus on refining the Al's algorithms to improve lesion detection rates, validating these findings across larger, more varied populations, and evaluating the cost-effectiveness of Al integration.

10:00 – 10:15 A Minimally Invasive Approach to Root Canal Retreatment

João Brochado Martins



João Brochado Martins

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Overview

Initial root canal treatment (RCT) is highly successful, with favorable outcomes reported in 86% to 98% of cases. However, cross-sectional studies reveal that post-treatment diseases, such as persistent or recurrent apical periodontitis (AP), affect more than 42% of root-filled teeth, indicating a significant need for retreatment. Understanding the causes of failure is crucial to ensuring appropriate corrective measures are taken.

Minimally invasive retreatment may seem contradictory at first, as retreatment inherently involves complex procedures. However, selective root canal retreatment (sRCR) offers a novel, minimally invasive approach to managing post-treatment disease. Unlike conventional retreatment, which addresses all previously treated roots, sRCR targets only those roots showing clinical or radiographic evidence of AP, while leaving healthy roots untouched.

This approach offers several potential benefits, including preservation of tooth structure by minimizing the access cavity and root preparation, reduced likelihood of iatrogenic damage, and lower treatment costs. However, the main concern with sRCR is the risk of developing new apical lesions in untreated roots over time. This presentation will explore the clinical efficacy of sRCR, its impact on tooth preservation and fracture resistance, and its cost-effectiveness when compared to full root canal retreatment. By focusing on both the advantages and potential risks, the presentation will provide insights into how selective retreatment may be integrated into contemporary endodontic practice, offering a balance between treatment effectiveness and tooth preservation.

10:15 – 10:30 Biocompatibility of New Sealers, Cell Cultures

Joana Cordeiro Martins



Joana Cordeiro Martins

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Overview

The biocompatibility of endodontic sealers plays a crucial role in determining their clinical success, influencing tissue healing, inflammatory responses, and long-term prognosis. Recent advancements in material science have introduced novel sealers with enhanced biological properties, but their effects on periapical tissues require thorough investigation. In vitro cell culture models offer valuable insights into cytotoxicity, cell adhesion, and immune responses, providing a controlled environment to assess the biological interactions of these materials.

Endodontic sealers play a crucial role in sealing spaces between root canal walls and gutta-percha. Various endodontic sealer options have gained significant attention due to their promising biological properties. However, biocompatibility is a key consideration because these materials can come into direct or indirect contact with periapical tissues.

Cytotoxicity remains a significant concern, as materials that provoke adverse cellular responses may negatively impact healing. Additionally, osteoblast proliferation and differentiation are essential for periapical repair, making osteogenic sealers particularly valuable in cases of bone loss. While conventional cell culture in vitro studies provide insight into these effects,



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they may not accurately reflect clinical conditions. Three-dimensional (3D) cell culture models represent a promising advancement in mimicking in vivo environments more effectively, though their full integration into endodontic research remains an ongoing challenge.

() 10:30 – 11:00	COFFEE-BREAK
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(1) 12:30 – 13:30 LUNCH

13:30 – 14:30 POSTER PRESENTATIONS / TRADE EXHIBITION

O HALL 5 - ROOM DAVIDIA 01 (LEVEL D)

() 14:30 – 18:00 **SYMPOSIUM 8**

CERTIFIED AND SPECIALIST MEMBERS SYMPOSIUM "ROOT CANAL CALCIFICATION AND APICAL PERIODONTITIS - AN ENDODONTIC TREATMENT CHALLENGE"

 $\stackrel{ extsf{heat}}{\sim}$ Led by Antonis Chaniotis and Peter Kiefner



Antonis Chaniotis

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Peter Kiefner

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Overview

Hard tissue apposition along the root canal walls is a slow, normally occurring physiological aging process. In response to tooth wear, vital pulp treatments, or regenerative endodontic procedures, local deposition of hard tissue may also occur in the pulp space at a slow pace. Sometimes, a higher rate of hard tissue deposition can occur uncontrolled after dental trauma, autotransplantation, or orthodontic therapy, leading to further partial or total obliteration of the root canal space. This situation is known as pulp canal obliteration (PCO), or root canal calcification (RCC). Although the incidence of pulpal necrosis and apical periodontitis in calcified teeth is believed to be infrequent, conventional endodontic therapy in severely calcified teeth poses extreme difficulties for the operators and higher risks for procedural accidents during mechanical treatment. This symposium focuses on presenting and discussing current management techniques based on our understanding of the different calcification pathways and the growing need to predictably treat calcified teeth with apical periodontitis.

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PROGRAMME

FRIDAY, 5TH SEP. 2025

14:30 - 15:15 OPS001 - NAVIGATING CALCIFIED CANALS: ADVANCED TECHNIQUES FOR MANAGING APICAL PERIODONTITIS

Carla Zogheib

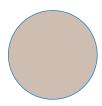


Carla Zogheib

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15:15 - 16:00 OPS002 - MANAGEMENT OF A CALCIFIED ROOT CANAL SYSTEM

Noushad Rahim



Noushad Rahim

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(1) 16:00 – 16:30

COFFEE-BREAK

16:30 - 17:00 OPS003 - MANAGING ROOT CANAL CALCIFICATIONS USING 3D-PRINTED STATIC GUIDE TECHNOLOGY

Taha Ozyurek



Taha Ozyurek

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17:00 - 17:30 OPS004 - ENHANCING PRECISION IN ENDODONTICS: THE ROLE OF DIGITAL TECHNOLOGY AND GUIDED WORKFLOWS

Tounes Alipanah



Younes Alipanah

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PROGRAMME

FRIDAY, 5TH SEP. 2025

17:30 - 18:00 OPS005 - SELECTIVE RETREATMENT IN CALCIFICATION MANAGEMENT Olavo Guerreiro Viegas



Olavo Guerreiro Viegas

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O HALL 6 - ROOM DAVIDIA 02 (LEVEL D)

(1) 09:00 - 10:30 ORAL PRESENTATIONS ON FREELY CHOSEN SUBJECTS

CATEGORY: CANAL PREPARATION - SHAPING ABILITY

MODERATOR: A. Chaniotis



A. Chaniotis

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OP049 - MICROCOMPUTED TOMOGRAPHIC EVALUATION OF SIX NITI FILES ON THE PERICERVICAL DENTIN AND THE SMALLEST DENTIN THICKNESS ZONES IN MESIAL ROOT CANALS OF MANDIBULARMOLARS: AN IN VITRO STUDY

M. Perez Morales

OP050 - COMPARISON OF THE EFFECTIVENESS OF DIFFERENT NICKEL-TITANIUM BASED INSTRUMENT SYSTEMS IN SHAPING THE PALATINAL ROOT CANALS OF UPPER FIRST MOLARS

S. Alpay

OP051 - EVALUATION OF THE CENTERING ABILITY AND CANAL TRANSPORTATION IN DIFFERENTLY INCLINED J-SHAPED CANALS

F.N. Yavuz

OP052 - CAPACITY OF EXPANDING VS. RECIPROCATING FILES FOR SHAPING VERTUCCI TYPE I VS. II CANALS OF MANDIBULAR INCISORS

N. Hofmann

() 10:30 – 11:00 COFFEE-BREAK

ese 102



PROGRAMME

FRIDAY, 5TH SEP. 2025

O HALL 6 - ROOM DAVIDIA 02 (LEVEL D)

(1) 11:00 – 12:30 ORAL PRESENTATIONS ON FREELY CHOSEN SUBJECTS

CATEGORY: CLINICAL OUTCOME STUDIES - OTHER

MODERATOR: Shaul Lin



Shaul Lin

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OP071 - ASSESSING THE EFFICACY OF ANTIBIOTIC THERAPY: A RETROSPECTIVE STUDY COMPARING 875MG VS 500MG OF AMOXICILLIN/CLAVULANIC ACID FOR THE MANAGEMENT OF ACUTE APICAL ABSCESSES

R. Dakar

OP072 - APICAL INFLAMMATORY ROOT RESORPTION: CORRELATION BETWEEN RADIOGRAPHIC AND HISTOLOGICAL DIAGNOSIS WITH CLINICAL CASE INSIGHTS M. Kubatska

OP073 - REAL-WORLD DATA IN ENDODONTICS: INSIGHTS FROM THE REONE MULTICENTER COHORT STUDY

C. Aoun

OP074 - INTERIM RESULTS OF THE PERFORMANCE AND SAFETY OF BIODENTINE ON REVITALIZATION AND APEXIFICATION: A MULTICENTER PROSPECTIVE OBSERVATIONAL CLINICAL INVESTIGATION

A.M. Collignon

OP075 - COMPARISON OF PASSIVE ULTRASONIC AND SONICALLY ACTIVATED IRRIGATION METHODS IN THE TREATMENT OF APICAL PERIODONTITIS: EVALUATION OF PGE2, NO AND IL-6 LEVELS

Y.E.H. Erdem Hepsenoglu

<u>()</u> 12:30 – 13:30	LUNCH
13:30 – 14:30	POSTER PRESENTATIONS / TRADE EXHIBITION

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PROGRAMME

FRIDAY, 5TH SEP. 2025

O HALL 6 - ROOM DAVIDIA 02 (LEVEL D)

(1) 14:30 – 16:00 ORAL PRESENTATIONS ON FREELY CHOSEN SUBJECTS

CATEGORY: CLINICAL OUTCOME STUDIES - ROOT CANAL TREATMENT AND RETREATMENT **MODERATOR:** *Tchilalo Boukpessi*



Tchilalo Boukpessi

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OP094 - USE OF A PREMIXED CASI SEALER WITH WARM VERSUS COLD TECHNIQUE IN POSTGRADUATE MASTER PROGRAM. 36 MONTHS RETROSPECTIVE ANALYSIS F. Zamparini

OP095 - RANDOMIZED CLINICAL STUDY OF BIOCERAMIC VERSUS EPOXY-RESIN SEALER: 6-MONTHS RESULTS

A. Spinelli

OP096 - THE EFFECT OF DIFFERENT IRRIGATION ACTIVATION METHODS ON PERIAPICAL HEALING AND POSTOPERATIVE PAIN U. Aydin

OP097 - THE EFFECT OF DIFFERENT INTRACANAL MEDICAMENTS ON POSTOPERATIVE PAIN AND PERIAPICAL HEALING IN ENDODONTIC RETREATMENT $K.\ Yilan$

OP098 - COMPARISON OF POSTOPERATIVE PAIN AFTER THREE DIFFERENT INSTRUMENTATION SYSTEMS IN TEETH WITH SYMPTOMATIC IRREVERSIBLE PULPITIS I. Deniz

(1) 16:00 – 16:30 COFFEE-BREAK

O HALL 6 - ROOM DAVIDIA 02 (LEVEL D)

(1) 16:30 – 18:00 ORAL PRESENTATIONS ON FREELY CHOSEN SUBJECTS

CATEGORY: ENDO-PERIO LESION / EPIDEMIOLOGY / IMAGING

MODERATOR: Frank Setzer



Frank Setzer

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OP116 - KEY POINTS FOR ACCURATE DIFFERENTIAL DIAGNOSIS OF ENDO-PERIO LESIONS BY MICROSCOPIC PULPAL INSPECTION

S. Komichi

45E



PROGRAMME

FRIDAY, 5TH SEP. 2025

OP118 - CURRENT STATE OF ENDODONTIC PRACTICE IN FRANCE: A NATIONAL SURVEY $O.\ Petipa$

OP119 - WOLTERS CLASSIFICATION: RELIABILITY EXAMINATION OF A NEW PULPITIS CLASSIFICATION SYSTEM

Ç.F. Yilmaz

OP120 - DENTAL-DEDICATED MRI IN THE DIAGNOSIS OF APICAL PERIODONTITIS AND TOOTH VITALITY: A FEASIBILITY STUDY

J. Christensen

OP121 - CHALLENGES IN RADIOGRAPHIC DIAGNOSIS OF PRE-ERUPTIVE INTRACORONAL RESORPTION (PEIR) IN UNERUPTED PERMANENT TEETH, AND IMPLICATIONS IN TREATMENT PLANNING

L.A. Benekou



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PROGRAMME

FRIDAY, 5[™] SEP. 2025

O HALL 7 - ROOM DAVIDIA 03 (LEVEL D)

() 09:00 - 10:30 ORAL PRESENTATIONS ON FREELY CHOSEN SUBJECTS

CATEGORY: NEW CLINICAL TECHNIQUES OR MATERIALS / AUGMENTED & VIRTUAL REALITY IN ENDODONTIC TRAINING AND PRACTICE / ELECTRONIC APEX LOCATORS AND WORKING LENGTH DETERMINATION

OP053 - ENDODONTIC AND BIO-OXIDATIVE THERAPY OF MEDICATION RELATED OSTE-ONECROSIS OF THE JAW: PATHOHISTOLOGICAL FEATURES AND A NEW THERAPEUTIC APPROACH

B. Pavelic

OP054 - ENHANCING PATIENT'S STABILITY: INNOVATION IN HEAD REST STABILIZATION TO WORK UNDER MAGNIFICATION ENSURING BOTH CLINICIAN AND PATIENT CARE L. Govindaraju

OP055 - DEVELOPMENT OF NOVEL ANTI-INFLAMMATORY THERAPY TO SUPPRESS JAWBONE DESTRUCTION EXACERBATED BY INFLAMMATORY BOWEL DISEASE M. Nakano

OP056 - MICRO HOLE NEGOTIATOR (MHN): AN INNOVATIVE CAPACITANCE-BASED DETECTION SYSTEM FOR CALCIFIED PULP CHAMBERS AND ROOT CANAL ORIFICES M.H. Nekoofar

OP057 - OPTIMIZING THE INTEGRATION OF VIRTUAL REALITY HAPTIC SIMULATORS: EFFECTS ON SKILL ACQUISITION, CONFIDENCE, AND STRESS IN ENDODONTIC PRECLINICAL TRAINING

S.N. Usta

OP058 - EVALUATION OF THE ACCURACY OF DIFFERENT METHODS IN DETERMINING ENDODONTIC WORKING LENGTH IN TEETH WITH SIMULATED APICAL ROOT RESORPTION Y.E. Cakmak

() 10:30 – 11:00 COFFEE-BREAK



PROGRAMME

FRIDAY, 5TH SEP. 2025

O HALL 7 - ROOM DAVIDIA 03 (LEVEL D)

(1) 11:00 – 12:30 ORAL PRESENTATIONS ON FREELY CHOSEN SUBJECTS

CATEGORY: CLINICAL OUTCOME STUDIES - VITAL PULP THERAPY **MODERATOR:** Roberto Careddu



Roberto Careddu

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OP076 - TO EVALUATE THE EFFECT ON OUTCOME OF CARIOUSLY EXPOSED PERMANENT POSTERIOR TEETH TREATED WITH PARTIAL/COMPLETE PULPOTOMY USING A BIOCERAMIC MATERIAL. ERRM ENDOSEQUENCE WHEN USED IN VITAL PULP THERAPY S. Singh

OP077 - CLINICAL AND RADIOGRAPHIC EVALUATION OF ER:YAG LASER-ASSISTED DIRECT PULP CAPPING IN CARIOUS EXPOSURE PERMANENT TEETH R.K. Yadav

OP078 - STAYIN' ALIVE!! VITAL PULP THERAPY THAT REALLY WORKS B. Moldoveanu

OP079 - THE USE OF ER:YAG LASER FOR VITAL PULP THERAPIESS. Devranli

OP080 - EVALUATING DIRECT PULP CAPPING VS. PARTIAL PULPOTOMY IN CARIOUS PULP EXPOSURE WITH REVERSIBLE PULPITIS: RESULTS FROM A RANDOMIZED CLINICAL TRIAL N. Taha

OP081 - LASER ABLATION WITH INDOCYANINE GREEN VS. NAOCL IN VITAL PULP THERAPY: CLINICAL OUTCOMES AND RADIOLOGICAL ASSESSMENT
C. Esmer

<u>()</u> 12:30 – 13:30	LUNCH
13:30 – 14:30	POSTER PRESENTATIONS / TRADE EXHIBITION



PROGRAMME

FRIDAY, 5[™] SEP. 2025

O HALL 7 - ROOM DAVIDIA 03 (LEVEL D)

(1) 14:30 – 16:00 ORAL PRESENTATIONS ON FREELY CHOSEN SUBJECTS

CATEGORY: ENDODONTIC RADIOLOGY / ENDODONTICS CURRICULUM DEVELOPMENT MODERATOR: Lars Bjørndal



Lars Bjørndal

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OP099 - DIAGNOSTIC ACCURACY OF VERTICAL, HORIZONTAL, AND OBLIQUE ROOT FRACTURES INDUCED BY CONTEMPORARY INTRACANAL POST SYSTEMS IN TWO DIFFERENT CBCT DEVICES USING VARIOUS IMAGING PROTOCOLS *E. Sisko*

OP100 - EVALUATION OF THE RELATIONSHIP BETWEEN MESIOBUCCAL ROOT CANAL CONFIGURATION AND APICAL PERIODONTITIS IN ENDODONTICALLY TREATED MAXILLARY MOLARS USING CONE-BEAM COMPUTED TOMOGRAPHY

S. Mahroos Al-Shammari

OP101 - DETECTION OF FRACTURES IN THE DANGER ZONE OF ENDODONTICALLY TREATED TEETH USING DIFFERENT CBCT DEVICES

M.K. Boyanmis

OP102 - REVISION IN THE ENDODONTIC CURRICULUM THROUGH AN ACCREDITATION PROCESS

E.D. Baser Can

OP103 - ENHANCING ENDODONTICS CURRICULUM FOR SYSTEMICALLY COMPROMISED PATIENTS: A FOCUS ONONCOLOGICAL PATIENTS WITH HEAD AND NECK RADIATION $\it J. Krapez$

OP104 - STAGING CLASSIFICATION OF PULPITIS: AN INTRA-OPERATIVE BIOLOGICALLY-DRIVEN THERAPEUTIC APPROACH IN THE CLINICAL MANAGEMENT OF PULPITIS G. Krishna V.

(1) 16:00 – 16:30 **COFFEE-BREAK**



PROGRAMME

FRIDAY, 5TH SEP. 2025

O HALL 7 - ROOM DAVIDIA 03 (LEVEL D)

(1) 16:30 – 18:00 ORAL PRESENTATIONS ON FREELY CHOSEN SUBJECTS

CATEGORY: IRRIGANTS/MEDICAMENTS - ANTIMICROBIAL ACTIVITY **MODERATOR:** Zenos Petridis



Zenos Petridis

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OP124 - EFFECT OF SODIUM HYPOCHLORITE AND ETIDRONIC ACID ON BIOFILM REMOVAL IN SIMULATED INTERNAL ROOT RESORPTION CAVITIES: INFLUENCE OF TEMPERATURE AND IRRIGATION ACTIVATION STRATEGIES

M. Gunduz

OP125 - EVALUATION OF ANTIMICROBIAL EFFICACY OF DIFFERENT IRRIGATION AND ACTIVATION TECHNIQUES ON INFECTED ROOT CANAL DENTIN

OP126 - ANTIBACTERIAL AND ANTIBIOFILM EFFICACY OF LAVANDULA MAROCCANA ESSENTIAL OIL NANOEMULSION AGAINST ENTEROCOCCUS FAECALIS: AN IN VITRO AND EX VIVO STUDY

J. Diouchi

OP127 - COMPARATIVE ANALYSIS OF INTRA-CANAL PHOTODYNAMIC THERAPY WITH DIFFERENT PHOTOSENSITIZERS ON PERIAPICAL HEALING: A RANDOMIZED CLINICAL TRIAL

R.E. Ari

HALL 8 - ROOM DATTIER 03 (LEVEL D)

() 09:00 - 10:30 ORAL PRESENTATIONS ON FREELY CHOSEN SUBJECTS

CATEGORY: CASE REPORT OR CASE SERIES

MODERATOR: A. Gaudin



A. Gaudir

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OP060 - INTENTIONAL REPLANTATION OF TEETH WITH SEVERAL ENDODONTIC COMPLICATIONS

E. Karakoyunlu

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PROGRAMME

FRIDAY, 5TH SEP. 2025

OP061 - USE OF A-PRF AND I-PRF COMBINATION IN REGENERATIVE ENDODONTIC CASES: A CLINICAL CASE SERIES

G.E. Nalbant

OP062 - EFFECT OF DENTAL PULP AUTOTRANSPLANTATION IN MATURE AND NECROTIC TEETH: CASE SERIES

T.M. Besparmak

OP063 - MANAGEMENT OF THE IMMATURE TEETH WITH APICAL PLUG APPROACH USING MINERAL TRIOXIDE AGGREGATE

B. Guler

OP064 - MANAGEMENT OF MANDIBULAR FIRST MOLAR TEETH WITH MIDDLE MESIAL CANALS: A CASE SERIES

I. Baba

() 10:30 - 11:00 COFFEE-BREAK

O HALL 8 - ROOM DATTIER 03 (LEVEL D)

(1) 11:00 – 12:30 ORAL PRESENTATIONS ON FREELY CHOSEN SUBJECTS

CATEGORY: CASE REPORT OR CASE SERIES

MODERATOR: John Whitworth



John Whitworth

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OP082 - DIABETIC AND DENTAL PULP CALCIFICATION: A CHALLENGE FOR ENDODONTIC THERAPY

S. Alsamahi

OP083 - INTENTIONAL REIMPLANTATION

K. Lefebvre

OP084 - THE USE AND EVOLUTION OF 3D PRINTED SURGICAL DECOMPRESSION DEVICES IN THE MANAGEMENT OF LARGE APICAL LESIONS: A CASE SERIES

Y. Patel

OP085 - INTENTIONAL REPLANTATION - A CASE SERIES

S. Manea

OP086 - EVALUATION OF VITAL TREATMENT METHODS IN THE MANAGEMENT OF PREMOLARS AND MOLARS WITH LESIONS AND IRREVERSIBLE PULPITIS IN PATIENTS AGED 15-45

A. Boluk

ESC- 110



PROGRAMME

FRIDAY, 5TH SEP. 2025

() 12:30 – 13:30 LUNCH

13:30 – 14:30 POSTER PRESENTATIONS / TRADE EXHIBITION

O HALL 8 - ROOM DATTIER 03 (LEVEL D)

(1) 14:30 – 16:00 ORAL PRESENTATIONS ON FREELY CHOSEN SUBJECTS

CATEGORY: CASE REPORT OR CASE SERIES

SESSION CHAIR: A. Gliga



A. Gliga

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OP105 - ENDODONTIC MANAGEMENT OF SEPARATED INSTRUMENTS: A CASE SERIESD.A. Nyoman Putri Artiningsih

OP106 - CLINICAL MANAGEMENT OF EXTERNAL INFLAMMATORY ROOT RESORPTION: INSIGHTS FROM A CASE SERIES

E. Ismailoglu

OP107 - CONSERVATIVE APPROACH IN MANAGEMENT OF DEEP CARIOUS LESIONSS.W.T. Al Hajaj

OP108 - STIRRING THE HORNETS NEST OF ENDODONTICS : CHALLENGES AND SOLUTIONS IN MANAGING TYPE 3 DENS INVAGINATUS - INSIGHTS FROM A CASE SERIES S. Alam

OP109 - EXTERNAL CERVICAL RESORPTION LESIONS LINK WITH CHEMOTHERAPEUTIC AGENT BLEOMYCIN AND GRAFT VERSUS HOST DISEASE

S. Sandhu

OP110 - EFFECT OF ROOT CANAL AGITATION BY ND YAG LASER IN TEETH WITH LARGE APICAL LESIONS: CASE SERIES

S. Atli

(1) 16:00 – 16:30 COFFEE-BREAK



PROGRAMME

FRIDAY, 5[™] SEP. 2025

O HALL 8 - ROOM DATTIER 03 (LEVEL D)

(1) 16:30 – 18:00 ORAL PRESENTATIONS ON FREELY CHOSEN SUBJECTS

CATEGORY: TRAUMATIC DENTAL INJURIES

MODERATOR: F. Jarad



F. Jarad

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OP129 - ENDODONTIC MANAGEMENT OF TRAUMA CASES OCCURRING AT VARIOUS TIME INTERVALS

S. Dogan

OP130 - BLACK TEETH- CASES OF SELF-INFLICTED INJURIES V.K. Shakya

OP131 - MANAGEMENT OF MULTIPLE TRAUMATIC SUBLUXATION AND INTRUSION OF MAXILLARY INCISORS WITH EXTERNAL ROOT RESORPTION: A 4 YEAR FOLLOW-UP N. Mohamed Zohdi

OP132 - EPIDEMIOLOGICAL STUDY OF WORK-RELATED TRAUMATIC DENTAL INJURIES IN AN ADULT SPANISH POPULATION

A. Martín-Díaz

OP133 - ENDODONTIC SEQUELAE ASSOCIATED WITH REPETITIVE IMPACTS TO THE DENTOFACIAL REGION DURING BOXING ACTIVITIES

S. Mccarthy

O HALL 9 - ROOM DATTIER 02 (LEVEL D)

(1) 09:00 – 10:30 ORAL PRESENTATIONS ON FREELY CHOSEN SUBJECTS

CATEGORY: CLINICAL OUTCOME STUDIES - ENDODONTIC SURGERY / CLINICAL OUTCOME STUDIES - REGENERATIVE ENDODONTICS

OP065 - EFFECT OF CONCENTRATED GROWTH FACTOR AND PLATELET-RICH FIBRIN ON NEOANGIOGENESIS AND BONE HEALING POST-ENDODONTIC SURGERY: A RANDOMIZED CLINICAL TRIAL

R. Bharti

OP066 - DIGITAL TECHNOLOGY-AIDED ENDODONTIC MICROSURGERY: A CLINICAL RANDOMIZED CONTROLLED STUDY

C. Chen

OP067 - DOES THE USE OF L-PRF BLOCK ENHANCE PERIAPICAL BONE HEALING AFTER ENDODONTIC MICROSURGERY? A PILOT STUDY

A. Schotte

ESC 1112



PROGRAMME

FRIDAY, 5TH SEP. 2025

OP068 - REGENERATIVE ENDODONTICS IN MATURE TEETH WITH PERIAPICAL LESIONS: A RANDOMIZED CONTROLLED CLINICAL TRIAL

H. Korucu

OP069 - EXPLORING REGENERATIVE ENDODONTIC THERAPY IN MATURE NECROTIC TEETH: CHALLENGES AND BREAKTHROUGHS

B. Doumari

(1) 10:30 – 11:00 COFFEE-BREAK

O HALL 9 - ROOM DATTIER 02 (LEVEL D)

() 11:00 – 12:30 ORAL PRESENTATIONS ON FREELY CHOSEN SUBJECTS

CATEGORY: CLINICAL OUTCOME STUDIES - ROOT CANAL TREATMENT AND RETREATMENT / CLINICAL OUTCOME STUDIES - OTHER / CLINICAL OUTCOME STUDIES - VITAL PULP THERAPY

OP088 - ROOT CANAL TREATMENT OUTCOMES IN MIH-AFFECTED TEETH: A RETROSPECTIVE STUDY

S. Mahameed

OP089 - A RETROSPECTIVE CLINICAL STUDY ON POST-ENDODONTIC PAIN: COMPARING SINGLE CONE AND LATERAL COMPACTION TECHNIQUES IN UNDERGRADUATE STUDENTS E. Ovsay

OP090 - RETROSPECTIVE EVALUATION OF THE FACTORS AFFECTING SUCCESS IN RETREATMENT

K. Gulsahi

OP092 - ADULT PULPOTOMY: A NEW ERA OF MINIMALLY INVASIVE ENDODONTICS A.A. Hamouda

<u>()</u> 12:30 – 13:30	LUNCH
13:30 – 14:30	POSTER PRESENTATIONS / TRADE EXHIBITION

O HALL 9 - ROOM DATTIER 02 (LEVEL D)

(14:30 – 16:00 ORAL PRESENTATIONS ON FREELY CHOSEN SUBJECTS

CATEGORY: ENDODONTIC SURGERY

MODERATOR: R. El Khaled



R. El Khaled

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PROGRAMME

FRIDAY, 5TH SEP. 2025

OPIII - PROTOCOL AND SELECTION OF THE APPROPRIATE SEALING MATERIAL FOR THE SURGICAL TREATMENT OF EXTERNAL CERVICAL RESORPTION

OP112 - ENDODONTIC MICROSURGERY REVISITED: ARE WE REALLY DOING WHAT WE SHOULD?

A. Weissman

OP113 - TARGETING THE APEX - A GUIDED SOLUTION S. Chen

OP114 - PRESENT-DAY PERIRADICULAR LASER-ASSISTED MICRO-SURGERY Z.J. Saw

(1) 16:00 – 16:30

COFFEE-BREAK





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PROGRAMME

FRIDAY, 5TH SEP. 2025

O HALL 9 - ROOM DATTIER 02 (LEVEL D)

(1) 16:30 – 18:00 ORAL PRESENTATIONS ON FREELY CHOSEN SUBJECTS

CATEGORY: PULP AND PERIAPICAL TISSUE BIOLOGY AND PATHOLOGY MODERATOR: L. Friedlander



L. Friedlander

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OP134 - A MICRO-CT EXAMINATION AND 3D PRINTING OF THE PULP STONES STRUCTURE IN THE CORRELATION OF THE PATIENT'S GENERAL HEALTH STATUS

A. Palatynska-Ulatowska

OP135 - ANALYSIS OF IMPACTED TEETH HAVING ROOT RESORPTION A.M. Mavridou

OP136 - ENDODONTIC MEDICINE; BIDIRECTIONAL ASSOCIATION OF PERIODONTITIS AND APICAL PERIODONTISTS WITH SYSTEMIC NONCOMMUNICABLE DISEASES M. Alghofaily

OP137 - SCREENING OF MOLECULAR BIOMARKERS TO DISTINGUISH DIFFERENT EXTENT OF PULPITIS

S. Liu

OP138 - A CAUSAL MECHANISM THROUGH WHICH PORPHYROMONAS GINGIVALIS INDUCED GLUCOSE INTOLERANCE DURING PERIAPICAL LESIONS REQUIRES A TH17 IMMUNE RESPONSE

M. Minty

OP139 - THE CXCR2/LIGANDS AXIS: A HIDDEN REGULATOR OF PULPITIS M. Florimond



PROGRAMME

SATURDAY, 6TH SEP. 2025

🔘 HALL 1 – AMPHITHEATRE SÉQUOIA (LEVEL B)

(1) 09:00 – 09:40 SESSION CHAIR: John Whitworth

UNDER PRESSURE: DECODING THE MECHANICAL BEHAVIOR OF NITI INSTRUMENTS

Marco Versiani



Marco Versiani

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Overview

This lecture explores the critical role of photoelastic analysis—a well-established biomechanical technique - in evaluating the mechanical behavior of NiTi rotary and reciprocating instruments under simulated clinical conditions. I will begin by explaining the fundamental physics behind photoelasticity and reviewing key literature to illustrate how this method has been applied in endodontics over time. The presentation will showcase advanced photoelastic models replicating root canal anatomy, highlighting their ability to visualize stress concentrations and predict potential failure points. Recent studies employing dynamic photoelastic analysis will be explored, demonstrating how variations in instrument cross-section, tip geometry, and heat treatment influence stress patterns. Additionally, I will discuss the impact of canal curvature, instrument motion, and metallurgical properties on stress distribution, shedding light on instrument performance, deformation, and fracture risks. This lecture is particularly relevant for researchers and clinicians interested in integrating photoelastic analysis into endodontic practice. By enhancing the understanding of mechanical stress during root canal preparation, this method provides valuable insights into optimizing instrument selection and improving treatment outcomes. Looking ahead, I will explore future directions that combine photoelasticity with 3D printing and digital imaging to enhance experimental precision and clinical relevance. By critically assessing both the advancements and limitations of NiTi instrument design, this session aims to refine clinical decision-making and drive future innovations in endodontic instrumentation, ultimately improving the safety and efficacy of root canal procedures.

HALL 1 – AMPHITHEATRE SÉQUOIA (LEVEL B)

SESSION CHAIR: John Whitworth (1) 09:45 – 10:30

THE LATEST UPDATES OF MINIMALLY INVASIVE AND PREDICTABLE **INSTRUMENT RETRIEVAL**

Yoshitsugu Terauchi



Yoshitsugu Terauchi

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Overview

Instrument retrieval is very frustrating because of the fear of being unpredictable sacrificing lots of dentin, which may lead to iatrogenic accidents such as perforation and too much sacrifice of sound dentin. In addition, the literature shows that when NiTi instruments fracture, they mostly do in the apical one-third or beyond a curve of the canal making them nonvisible. Although the success rates of retrieving visible broken instruments are 100% predictable with the standardized protocol, retrieval of nonvisible instruments may still be unpredictable and challenging. However, my recent clinical cases revealed the average length of nonvisible instruments out of 107 cases was 2.7 mm and the average retrieval time from the preparation phase was 733 seconds when the new techniques were used to retrieve nonvisible broken instruments. The recent study on instrument retrieval showed broken instruments less than 3.1 mm were removed within 300 seconds regardless of degrees of the curvature. The shorter the broken instrument is, the easier it becomes to remove. There was no nonvisible broken instrument longer than 4 mm, which is very encouraging when considering removal of nonvisible broken instruments. For this reason, there are several new retrieval techniques developed with new technologies involving both ultrasonics and rotary instruments. With these, nonvisible instrument retrieval can also be as predictable as visible broken instrument retrieval without sacrificing lots of sound dentin. In the lecture updated techniques in combination with traditional ultrasonic techniques will be presented to make nonvisible broken instrument retrieval more predictable and minimally invasive.

() 10:30 - 11:00 COFFEE-BREAK

HALL 1 – AMPHITHEATRE SÉQUOIA (LEVEL B)

RETHINKING THE ROUTINE: CBCT IN ENDODONTIC PRACTICE

Hagay Shemesh



Hagay Shemesh

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Overview

Cone Beam CT (CBCT) has become increasingly prevalent in endodontics - but is its routine use always justified?

In this lecture, we take a critical and evidence-based look at how CBCT is currently used in endodontic practice. You'll discover just how much variation exists between clinicians and examine the most common indications for CBCT. We'll evaluate its diagnostic reliability for periapical lesions, vertical root fractures, and other clinical complications—and question whether CBCT should truly be the default tool for outcome assessment.



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We'll also explore emerging alternatives, future imaging technologies, and offer a practical decision-making workflow to help clinicians determine when a CBCT scan is warranted—and when it is not.

If you're ready to challenge assumptions, sharpen your diagnostic protocols, and enhance your clinical decision-making, this session is for you.

HALL 1 – AMPHITHEATRE SÉQUOIA (LEVEL B)

🕦 11:45 – 12:30 💢 SESSION CHAIR: Ikhlas El Karim

A CLINICAL PERSPECTIVE: QUALITY OF LIFE IN ENDODONTICS

Giampiero Rossi-Fedele



Giampiero Rossi-Fedele

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Overview

This presentation addresses a significant gap in current research by highlighting the risk of dissociation between the clinical aspects of endodontics and broader academic work in the field of quality of life. Often, studies in endodontics fail to consider clinical aspects thoroughly, leading to a disconnect between research findings and practical applications in dental practice. The presentation underscores the need for a more holistic approach to endodontic research—one that values and incorporates clinical insights to serve the needs of both patients and practitioners better. This approach aims to enhance attendees' understanding and engagement with the relevance of quality of life within our clinical discipline.

() 12:30 – 13:30 LUNCH

13:30 – 14:30 POSTER PRESENTATIONS / TRADE EXHIBITION

🔘 HALL 1 – AMPHITHEATRE SÉQUOIA (LEVEL B)

WHAT IS NEW IN PERIODONTAL DIAGNOSTICS AND TREATMENT?

Moritz Kebschull



Moritz Kebschull

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Overview

Over the last years, state-of-the-art periodontal therapy has been re-defined by the new classification scheme and the international EFP S3-level Clinical Practice Guidelines. Based on these foundations, this lecture will go further and look at what current, up-and-coming developments are out there for the prevention, early diagnosis, improved patient stratification and better treatment of periodontal diseases - and how much data exists that these actually work. So, possibly forecasting the next generation of guidelines!



HOW FAR CAN WE GO IN ENDODONTIC MICROSURGERY

Guillaume Jouanny



Guillaume Jouanny

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Overview

Microsurgical Endodontics has evolved and is not limited to an apical resection anymore.

The use of the operating microscope, the evolution of ultrasonic tips and new biocompatible materials allow for a better prognosis.

It is now possible to perform endodontic surgeries with a very high success rate (more than 90%). The use of bone grafts has further improved the prognosis of Endodontic Microsurgery and made it possible to save teeth that, until recently, seemed beyond repair.

This presentation will show the advances in Endodontic Microsurgery.

쬣 HALL 2 – AMPHITHEATRE EPICÉA (LEVEL B)

() 09:00 – 12:30 **SYMPOSIUM 9**

NEW PERSPECTIVES IN APICAL PERIODONTITIS: THE ROLE OF IMMUNE SYSTEM AND THE EFFECTS OF IMMUNOMODULATORS ON PREVALENCE AND TREATMENT OUTCOME OF ENDODONTIC DISEASE

Led by Elisabetta Cotti and Francesco Mannocci



Elisabetta Cotti

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Francesco Mannocci

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Overview

- General aspects of the interaction between the immune system and chronic apical periodontitis:
- · Lessons learned from the investigations on oral dysbiosis and autoimmune diseases;
- The effects of autoimmune diseases and immunomodulators on the prevalence of apical periodontitis;
- The effects of immunomodulators and immunosuppressants on the outcome of root canal therapy.

09:00-09:40 General aspects of the interaction between immune system and chronic apical periodontitis

Ildikó Márton



Ildikó Márton

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Overview

Apical periodontitis is an immune-inflammatory reaction around the apex of teeth with root canal infection. In the coming overview, based on own research results between 1985 and 2025, author will demonstrate overlapping protective and destructive immune-inflammatory reactions in periapical granuloma (PG) and measurable effects of the local reactions on systemic inflammatory biomarkers. We demonstrated the PG consists of predominantly T-cells, including CD-4 and CD-8 positive T-cells. We observed the presence of activated T-cells expressing the IL-2 receptor establishing a positive feed-back stimulation between CD-25 expressing CD8+ and IL-2 producing CD4- positive T-cells. Macrophges regulate lymphocyte subsets and neutrophil leukocytes by cell-to-cell interactions and producing cytokines and chemokines. Their effector function was indicated by upregulated production of reactive oxygen intermediates and antioxidant enzymes. Moreover, citrullination induces an autoimmune loop of stimulation contributing to lesion persistence. Leakage of inflammatory cells and proinflammatory mediators from the local lesion reach remote organs and induce systemic immune-inflammatory reactions. We demonstrated enhanced whole blood chemiluminescence and elevated concentrations of acute phase proteins in patients with otherwise healthy patients with PG but without as compared to the levels of these markers after providing dental treatments. Beneficial effects of complex dental treatments were observed in patients with cardiovascular diseases and hyperlipdemia. In conclusion, PG has a complex composition containing virtually all cellular and soluble components of the immune-inflammatory system. It provides an excellent model for studying the interactions of local and systemic inflammatory reactions.

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09:40 - 10:20 Oral dysbiosis and autoimmune triggers: rheumatoid arthritis as a paradigm Daniel Manoil



Daniel Manoil

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Overview

The understanding that the human body hosts diverse microbial ecosystems, among which the oral microbiome, has spurred interest to better understand how we interact with our microbial guests. Typically, imbalances in the oral microbiota, known as dysbiosis, are linked to several systemic diseases. One compelling example is the epidemiological association between periodontitis and rheumatoid arthritis (RA); the most common inflammatory autoimmune disease that affects our joints. Research investigating the mechanisms underpinning this association highlights the potential roles of periodontal pathobionts, such as Porphyromonas gingivalis or Aggregatibacter actinomycetemcomitans as contributors to RA-related autoimmunity. This presentation will explore recent findings on how oral pathobionts may act as triggers for autoimmune responses, with a focus on RA. Understanding these interactions not only enhances our ability to detect and prevent RA earlier, but also provides a broader framework for studying the complex interplay between the microbiome and the immune system in autoimmune diseases.

(1) 10:30 – 11:00

COFFEE-BREAK

11:00 - 11:40 Systemic Immunomodulation and inflammation control enhance the Healing of Apical Periodontitis After Root Canal Treatment: The Case in Favor

Elisabetta Cotti



Elisabetta Cotti

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Overview

Apical priodontitis (AP) is an inflammatory disease initiated as a consequence of a microbial infection within the root canal system. AP is a protective reaction which should prevent the spread of the infection.

The treatment of AP is represented by root canal therapy which should take care of the infection and allow the periapical tissues to return to their homeostasis.

A persistent apical periodontitis is a condition in which, despite a state of the art root canal treatment, the inflammatory reaction in the periapical tissues tends to continue, requiring a second clinical or surgical intervention or the extraction of the involved tooth.



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Most of the times the persistence of AP is related to endodontic spaces left undetected, but, in some cases, the lack of resolution of AP seems to be attributable to a genetic predisposition of the patient to sustain a stronger immune inflammatory reaction.

Considering that on one hand, patients affected by autoimmune diseases tend to have a higher prevalence of AP, and that, on the other hand, the use of immune modulators seem to be associated to a smaller AP reaction and faster healing of AP following treatment, some hypothesis on common threads between the persistence of AP and autoimmune diseases have been made.

This connection between AP and autoimmune pathologies and the effect of immune modulatory drugs on the insurgence, persistence and healing of AP represent an interesting ground of discussion for future therapeutics and for a better treatment of immune compromised patients.

11:40 - 12:20 Does Systemic Immunomodulation and inflammation control enhance the Healing of Apical Periodontitis After Root Canal Treatment: The Case against

Francesco Mannocci



Francesco Mannocci

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Overview

The intersection of systemic inflammation, immune Dysfunction and Pharmacological treatments of autoimmune diseases raises important questions about how autoimmune diseases inflence Apical Periodontitis prevalence and healing.

This lecture examines the current evidence on this interplay, challenging the assumption that endodontic treatment outcome may benefit from systemic antiiinflammatory, immunomodulatory, and immunosuppressive therapies.

Immunological and pharmacological inflences on the clinical presentation of apical periodontitis will be examined.

<u>()</u> 12:30 – 13:30	LUNCH
13:30 – 14:30	POSTER PRESENTATIONS / TRADE EXHIBITION



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🧐 HALL 2 – AMPHITHEATRE EPICÉA (LEVEL B)

(1) 14:30 – 16:15

SYMPOSIUM 11

IS ENDODONTICS OVERREGULATED?

🙎 Led by Matthias Zehnder and Hal Duncan



Matthias Zehnder

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Hal Duncan

I declare that I have a past or present financial interest/arrangement, consulting position, or affiliation with the corporate organization(s) whose product(s) I will discuss in my presentation.

Overview

New European regulation around medical devices and medicinal products has wide-spread consequences in endodontics and more broadly dentistry. This will affect not only the hurdles required for new product development, but also the availability of many existing products, including files, irrigants and medicaments. The implications have been fully grasped by the dentists that already are or soon will be affected by it. Amongst other issues, the EU MDR calls for a new and stricter classification of medical devices, which then has implementations on the manufacturers regarding the scrutiny and the requirements in the regulatory process and post-marketing surveillance. The aim of this symposium is to combine a European and US expert in medical device development with an industry expert to discuss these issues and the likely implications for education, research and practice.

14:30 - 15:05 Regulation and endodontic materials - clinician scientist perspective Marco Bottino



Marco Bottino

I declare that I have a past or present financial interest/arrangement, consulting position, or affiliation with the corporate organization(s) whose product(s) I will discuss in my presentation.

Overview

Hydrogels have been used in medicine since the late 1980s with broad applications in drug delivery, tissue regeneration, among other areas. The past three decades have witnessed rapid advances in the fields of polymer chemistry and hydrogel fabrication methods, which have collectively expedited the clinical translation of many new injectable or non-injectable hydrogel products. This presentation explores the recent advances in the field of endodontics for applications in root canal disinfection (drug delivery), vital pulp therapy, and regenerative endodontics. I will analyze the current clinical landscape of injectable hydrogel technolo-



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gies, including hydrogels that have started to being investigated in clinical settings. Looking ahead, I will highlight key applications in endodontics that hydrogels can have a profound clinical impact while discussing their regulatory pathway for their future translation.

15:05 – 15:40 Regulation and endodontic irrigants - clinician scientist perspective *Matthias Zehnder*



Matthias Zehnder

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Overview

This lecture will discuss current regulatory challenges for manufacturers and their implications for clinicians. The focus will be on the MDR = the Medical Device Regulation that has come into force in Europe. We will approach the topic based on the example of sodium hypochlorite solutions, which are the main endodontic irrigants. According to MDR, these solutions are now considered to be at least a (high-risk) Class III device or even a pharmaceutical. This drives production costs up and puts pressure on European manufacturers. At the same time, it appears obvious that many clinicians avoid regulations by simply using household bleach obtained from the supermarket. The core point of this lecture will be that the current European rules make little sense if they are not enforced.

15:40 – 16:15 Return on Experience on challenges to develop new endodontics materials *Gilles Richard*



Gilles Richard

I declare that I have a past or present financial interest/arrangement, consulting position, or affiliation with the corporate organization(s) whose product(s) I will discuss in my presentation.

Overview

Like any therapeutic products used in patients, endodontic materials must comply with several regulations. The requirements are getting more and more stringent leading to increased risks on innovation. The scope of standards and rules relating to these products depend on a large range of parameters which encompass international standards, national regulations, clinical, ethical and legal constraints.

The presentation will provide insights relating to over 20 years experience in developing products in the dental industry. We will discuss whether increasing regulation constraints represents a threat for innovation or an opportunity.



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MALL 3 - DRAGONNIER 04+05 (LEVEL D)

(1) 09:30 – 12:30 **SYMPOSIUM 10**

CONTROVERSIAL TERMS IN ENDODONTOLOGY

A Led by Hany Ahmed



Hany Ahmed

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Overview

Terminology is a central element of the vocabulary used by dentists. Unfortunately, there are occasions when the lack of consensus and universal acceptance of specific terms leads to confusion and even controversy among researchers, academics, clinicians and other stakeholders. Clarifying controversial terms used in endodontology is essential for effectively disseminating research findings as well as for enabling effective and collaborative clinical practice within the wider healthcare system. This symposium will define and discuss the controversial terms used in a range of endodontic topics including root canal anatomy, pulp and periapical diseases, endodontic cements, canal negotiation, pre-flaring and glide path preparation as well as revitalization procedures.

09:30 – 10:00 Controversial terms in root and canal anatomy Hany Ahmed



Hany Ahmed

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Overview

Discipline-specific terminology is a central element of the vocabulary used by dentists and scientists in the context of their professional activities and plays a critical role in the understanding of dentistry. A number of controversial terms and non-standardized definitions exist in the field of endodontology. Terminology in human anatomy provides the basis for effective communication in all medical and healthcare fields. With the ever-increasing body of knowledge on tooth anatomy and the high rate of publications in this area, the use of consistently accepted terminology for describing anatomical features of root and canal systems is becoming increasingly important. This lecture provides a critical analysis of controversial terms currently used to describe root and canal anatomy. It also addresses the consequences of using such controversial terms on the accuracy and reliability of research findings and clinical practice. It also highlights future directions to develop a universal consensus in terms and definitions amongst students, clinicians, academicians and researchers.



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10:00 – 10:30 Controversial terms in Pulp and Periapical Diseases *Nikita Ruparel*



Nikita Ruparel

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Overview

Endodontic diagnostic terminologies are fundamental for assessing pulpal and periapical health, yet they exhibit significant limitations that hinder accurate clinical decision-making. The classification of pulpitis into "reversible" and "irreversible" lacks precision, as pulpal diseases exist on a spectrum rather than distinct categories, leading to potential misdiagnosis and inappropriate treatment choices. Additionally, inconsistencies in diagnostic criteria among clinicians create variability in interpretation, affecting treatment outcomes. Traditional pulp sensibility tests, such as thermal and electric testing, only assess nerve response and fail to provide insight into the pulp's vascular health, often resulting in false positives or negatives. Similar challenges are observed with periapical disease and its diagnosis. These diagnostic shortcomings highlight the need for an updated, evidence-based nomenclature that reflects pulpal and periapical diseases' dynamic and complex nature. Without improvements in diagnostic precision, clinicians risk misclassifying conditions, leading to suboptimal treatment planning and patient outcomes. This lecture will discuss considerations taken into account to update the current AAE diagnostic terminology by members of the AAE and ESE with the overarching goal of diagnostic accuracy and clinical effectiveness.

(1) 10:30 – 11:00

COFFEE-BREAK

11:00 – 11:30 Controversial terms in cements used in Endodontics

Josette Camilleri



Josette Camilleri

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Overview

The use of appropriate terminology is neccessary in all disciplines specifically clinical ones. This presentation will look into a number of terms used in endodontic clinical practice and assess the appropriateness of these terms.



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11:30 – 12:00 Controversial terms in canal negotiation, pre-flaring and glide path preparation *Nicola Grande*



Nicola Grande

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Overview

The first phase of canal management after the location of the orifice and the removal of possible calcification and coronal obstacles is one of the most delicate phases of the treatment. This phase has still a great diagnostic value in understanding and confirming previous diagnostic analysis on preoperative radiographs or cbct, the presence or not of an immediate continuity from the orifice to the apical foramen identify regular Vs. complex cases. The possibility of a direct mechanical approach is still controversial as many clinicians recommend as an essential preliminary step the scouting of all root canals with stainless steel files, while others are describing as a safer option a stainless steel free approach especially in difficult anatomical situation and in retreatments; another important variable is linked with the necessity of a preliminary orifice enlargement and with the minimal diameter of the coronal preparation; with modern endodontic mechanical file is possible to keep the coronal diameters very limited but this could be in some case riskful from mechanical and biological perspectives. Another important consideration is the microbiological status of the tooth: in infected teeth the microbiological load is frequently concentrated in coronal and medium thirds and the immediate negotiation to the apical limit could be not advantageous before a deep cleaning of the coronal area, introducing the concept of "microbiological crown down approach". All these aspects will be analised on the basis of scientific and clinical evidence.

12:00 – 12:30 Controversial terms in revitalization procedures

Matthias Widbiller



Matthias Widbiller

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Overview

Revitalisation has become a central treatment option in regenerative endodontics, particularly for immature teeth with necrotic pulps. By inducing apical bleeding and stabilising a blood clot under a hydraulic calcium-silicate cement, this approach facilitates tissue ingrowth with the potential for continued root development and restoration of sensitivity. However, as clinical protocols have evolved, the terminology used to describe these procedures has become increasingly inconsistent and sometimes misleading.

Under the broad umbrella of "regenerative endodontics", many terms are often used interchangeably. In addition to revitalisation, emerging concepts from tissue engineering and regenerative medicine - such as cell transplantation and cell homing - are gaining attention. However, both therapeutic strategies and biological outcomes need to be clearly defined to

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reflect the true nature of current procedures and to avoid raising unrealistic expectations. Another critical question in the field is whether current approaches achieve true regeneration or functional repair. Clarifying this distinction is essential - not only for clinical communication, but also for guiding future research.

This presentation will critically examine key controversial terms, exploring their origins, current use and implications for innovative regenerative endodontic strategies.

() 12:30 – 13:30 LUNCH

13:30 – 14:30 POSTER PRESENTATIONS / TRADE EXHIBITION

HALL 4 - SPONSORED LECTURES DRAGONNIER 03 (LEVEL D)

() 09:50 - 10:35 SHENZHEN DENCO MEDICAL CO., LTD LECTURE

DUAL INNOVATION FOR SINGLE EXCELLENCE: THE DENCO DUAL SHAPER FILE ADVANTAGE

Speaker: Andreas Louloudiadis



Andreas Louloudiadis

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Abstract

Long-term success in endodontics hinges on a delicate balance: achieving thorough debridement while preserving the structural integrity of the tooth. Minimally invasive shaping has emerged as a cornerstone of this philosophy, aiming to reduce unnecessary dentin removal and protect the pericervical dentin critical for tooth longevity. As the demand for conservative yet effective instrumentation grows, clinicians need tools that can deliver precision without compromise. The Denco Dual Shaper File system responds to this need with a two-file, dual-taper approach designed to maximize shaping efficiency while respecting the natural canal anatomy. Designed to streamline canal preparation, the Dual Shaper system utilizes uniquely crafted files that work in synergy to reduce procedural steps while maintaining anatomical integrity. Aim: This presentation will delve into how the Dual Shaper's intelligent design—featuring progressive tapers, a non-cutting guiding tip, heat-activated NiTi flexibility, and nano-coating technology enables safe, efficient, and conservative canal preparation. Clinical cases, performance data, and workflow integration will be presented, illustrating how this system supports faster procedures, reduced fatigue, and better preservation of the tooth's biomechanical strength. Whether in straightforward or complex anatomies, the Denco Dual Shaper advances a modern standard: innovation that supports minimally invasive excellence.

(1) 10:35 – 11:00 CC

COFFEE-BREAK

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HALL 4 - SPONSORED LECTURES DRAGONNIER 03 (LEVEL D)

(1) 11:00 – 11:45

FOTONA LECTURE

LASER-ACTIVATED IRRIGATION (LAI) AND SPECIFIC BIOFILM INTERACTIONS

Speaker: Roeland DeMoor



Roeland DeMoor

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Aim

To demonstrate in which way laser-activated irrigation in particular SWEEPS, makes the difference in biofilm interaction as compared to other irrigant activation techniques.

Summary

Biofilm infections are difficult to treat. Not only do biofilms possess a wide range of defense mechanism; in endodontics there is also the additional challenge to interact with the biofilm in areas that are difficult to reach.

Enhancing the fluid dynamics of irrigation solutions, therefore, becomes interesting as this may be the first solution to go through the entire complex 3D anatomical construction of the root canal system. Specific dynamics are also needed for interaction with the biofilm and more specifically biofilm disruption. In addition, there is also the possibility to make irrigation solutions more reactive during irrigant activation.

With Erbium laser driven LAI, all these 3 criteria can be met thanks to cavitation enhanced streaming. Research data show that present-day clinical protocols for LAI do allow to access the whole 3D root canal system and fulfil the requirements for profound root canal disinfection.

Key Learning Points

- Erbium laser activated irrigation relies on cavitation enhanced streaming
- LAI induced cavitation also has a direct effect on the biofilm
- LAI is a strong modulator of the reaction rate of NaOCI

This lecture and speaker are sponsored by Fotona.

<u>()</u> 12:35 – 13:30	LUNCH
13:30 - 14:30	POSTER PRESENTATIONS / TRADE EXHIBITION



PROGRAMME

SATURDAY, 6TH SEP. 2025

O HALL 5 – DAVIDIA 01 (LEVEL D)

() 09:00 – 10:30 ORAL PRESENTATIONS ON FREELY CHOSEN SUBJECTS

CATEGORY: REGENERATIVE ENDODONTICS

OP140 - ULTRASONOGRAPHIC ASSESSMENT OF PRF AND DEHYDRATED HUMAN-DERIVED MEMBRANE IN PERIAPICAL BONE REGENERATION: A RANDOMIZED CONTROLLED TRIAL P. Verma

OP141 - IMPACT OF DIFFERENT EDTA IRRIGATION ACTIVATION TECHNIQUES ON DENTIN AND BLOOD CLOT SURFACE ROUGHNESS IN REGENERATIVE ENDODONTICS: A 3D CLSM ANALYSIS

S. Bulak Yeliz

OP142 - DISCOLORATION EFFECT OF TRIPLE ANTIBIOTIC PASTE PREPARED WITH NITROFURANTOIN

S. Durukan





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OP143 - INTEGRATION OF PLATELET-RICH FIBRIN IN TISSUE ENGINEERING: EVIDENCE-BASED INNOVATIONS AND DECISION-MAKING IN REGENERATIVE ENDODONTICS

M. Moukarzel

OP144 - EXPLORING THE USE OF HUMAN EPITHELIAL TOOTH ORGANOIDS TO STUDY THE AETIOLOGY OF MOLAR INCISOR HYPOMINERALISATION

A. Nakshbandi

OP145 - SLIT3: A NOVEL REGULATOR OF ODONTOGENIC DIFFERENTIATION THROUGH AKT/WNT/BETA-CATENIN SIGNALING PATHWAY

J. Sun

() 10:30 – 11:00 **COFFEE-BREAK**

HALL 5 – ROOM DAVIDIA 1 (LEVEL D)

(1) 11:00 – 12:30 ORAL PRESENTATIONS ON FREELY CHOSEN SUBJECTS

CATEGORY: REGENERATIVE ENDODONTICS

MODERATOR: E. Shimizu



E. Shimizu

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OP163 - SHAPING THE FUTURE OF VPT: GSK-3 INHIBITORS AND TRUE DENTIN REGENERATION

S.N. Hanna

OP164 - EFFECT OF CHITOSAN-BASED ROOT CANAL MEDICAMENTS ON THE RELEASE OF GROWTH FACTORS FROM INFECTED DENTIN MATRIX

B. Ozturk

OP166 - REGENERATIVE ENDODONTICS AND BIO-MINIMALIZM

T. Turk

OP167 - SOLVING THE OPEN APEX DILEMMA

O. Montaser

OP168 - INFLUENCE OF EDTA WITH PASSIVE ULTRASONIC IRRIGATION ON FIBRIN DENSITY AND BLOOD CLOT HOMOGENEITY IN REGENERATIVE ENDODONTICS

G. Er Karaoglu

<u>()</u> 12:30 – 13:30	LUNCH
13:30 – 14:30	POSTER PRESENTATIONS / TRADE EXHIBITION

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PROGRAMME

SATURDAY, 6TH SEP. 2025

HALL 5 – DAVIDIA 01 (LEVEL D)

(1) 14:30 – 16:15

ORAL PRESENTATIONS ON FREELY CHOSEN SUBJECTS

CATEGORY: RETREATMENT / SIMULATION

MODERATOR: E. Silva



E. Silva

I declare that I have NO proprietary, financial, or other personal interest of any nature or kind in any product, service, course, and/or company, or in any firm beneficially associated therewith, that will be discussed or considered during the proposed presentation.

OP186 - EVALUATION OF THE EFFECTS OF DIFFERENT DRYING PROTOCOLS ON THE BOND STRENGTH OF CALCIUM SILICATE AND EPOXY RESIN BASED ROOT CANAL SEALERS TO DENTIN IN REPEATED ROOT CANAL TREATMENTS

D. Yuzer

OP187 - DOES THE ROOT CANAL SEALER AND THE OBTURATION METHOD HAS AN IMPACT ON TIME REQUIRED FOR RETREATMENT?

D. Mustafa Pamuk

OP188 - YOUTUBE™ AS AN INFORMATION SOURCE FOR NON-SURGICAL ROOT CANAL RETREATMENT PROCEDURES: QUALITY AND CONTENT ANALYSIS B. Uslu

OP190 - EVIDENCE-BASED STRATEGIES FOR COMPLEX ENDODONTIC RETREATMENT: ENHANCING DECISION-MAKING AND CLINICAL OUTCOMES

OP191 - EFFECT OF RECIPROCATING MOTION ON THE FATIGUE BEHAVIOR OF **ENDODONTIC FILES**

S. Ozüpek

🧐 HALL 6 – DAVIDIA 02 (LEVEL D)

ORAL PRESENTATIONS ON FREELY CHOSEN SUBJECTS (1) 09:00 – 10:30

CATEGORY: RESTORATION OF ROOT CANAL FILLED TEETH

MODERATOR: J. Brochado Martins



J. Brochado Martins

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OP146 - POSTENDODONTIC RESTAURATION WITH GLASS-FIBER-FLOW (FRCI) K. Riess

OP147 - THE INFLUENCE OF POST-CORE BUILD-UP ON FRACTURE RESISTANCE OF CROWNED INCISORS SUBMITTED TO STATIC LOADING

S. Ligthart



PROGRAMME

SATURDAY, 6TH SEP. 2025

OP148 - ONE-YEAR CLINICAL EVALUATION OF POLYETHYLENE FIBER-REINFORCED COMPOSITE RESTORATIONS IN ENDODONTICALLY TREATED POSTERIOR TEETH F. Kozakoglu

OP149 - 3D PRINTING DEFINITIVE CUSPAL COVERAGE RESTORATIONS FOR ENDODONTICALLY TREATED TEETH

A. Elmatary

OP150 - MATERIAL COMPOSITION, THICKNESS, AND MECHANICAL COMPATIBILITY WITH UNDERLYING TOOTH STRUCTURE SIGNIFICANTLY INFLUENCE THE FRACTURE RESISTANCE OF CAD/CAM RESTORATIVE MATERIALS

O. Heidarifar

OP151 - EFFECT OF DIFFERENT INTRA-ORIFICE BARRIERS ON FRACTURE RESISTANCE OF ROOT CANAL TREATED MANDIBULAR PREMOLARS

O. Cetinkaya

() 10:30 - 11:00 COFFEE-BREAK

O HALL 6 – DAVIDIA 02 (LEVEL D)

(1) 11:00 – 12:30 ORAL PRESENTATIONS ON FREELY CHOSEN SUBJECTS

CATEGORY: TOOTH AND CANAL ANATOMY

MODERATOR: C. Kruse



C. Kruse

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OP169 - ADVANCEMENTS IN DETECTING AND MANAGING MB2 AND OBLITERATED ROOT CANALS: A COMPREHENSIVE CLINICAL AND RESEARCH INSIGHT

M. Kubatska

OP171 - MIDDLE MESIAL CANALS - A CAUSE OF ENDODONTIC FAILURES IN NONSURGICAL ROOT CANAL TREATMENTS OF MANDIBULAR MOLARS

A. Ritzi

OP172 - ANATOMICAL VARIATIONS OF THE ROOT CANALS: A HIDDEN ROUTES
A. Fadag

OP173 - ANATOMICAL VARIATIONS IN PREMOLARS: CHALLENGES AND MANAGEMENT STRATEGIES

K. Sadel

OP174 - GENERALIZED HEREDITARY DENTIN DYSPLASIA - A TRANSPARENT SPECIMEN F. Fleischer



PROGRAMME

SATURDAY, 6TH SEP. 2025

① 12:30 – 13:30 LUNCH

13:30 – 14:30 POSTER PRESENTATIONS / TRADE EXHIBITION

HALL 6 - DAVIDIA 02 (LEVEL D)

(1) 14:30 – 16:15 ORAL PRESENTATIONS ON FREELY CHOSEN SUBJECTS

CATEGORY: FEEDBACK, MENTORING AND COACHING / INNOVATIONS FOR EDUCATION

AND IMPROVING ENDODONTIC CARE **MODERATOR:** Ahmed Elmatary



Ahmed Elmatary

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OP192 - EVALUATION OF ENDODONTIC RETREATMENT VIDEOS ON YOUTUBE: QUALITY AND CONTENT ANALYSIS

D. Imamoglu

OP193 - QUANTITATIVE ANALYSIS OF THE STRENGTHENING EFFECT OF ROOT SURFACE TREATMENT WITH ER; CR:YSGG LASER ON HUMAN ROOT DENTIN
N. Nguyen

OP194 - VIRTUAL REALITY AND HAPTIC SIMULATION IN SURGICAL MICROENDODONTICS

D. Pasqualini

OP196 - PIONEERING THE FUTURE OF ENDODONTICS: INNOVATION DRIVING PRECISION, REGENERATION, AND PATIENT-CENTERED CARE

D. Khanna

OP197 - COMPLEXITY ASSESSMENT TOOLS: FILLING THE VOID S. Umerji

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PROGRAMME

SATURDAY, 6TH SEP. 2025

쬣 HALL 7 – DAVIDIA 03 (LEVEL D)

() 09:00 - 10:30 ORAL PRESENTATIONS ON FREELY CHOSEN SUBJECTS

CATEGORY: IRRIGANTS/MEDICAMENTS - CANAL CLEANING / IRRIGANTS/MEDICAMENTS -

OTHER

MODERATOR: J. Brodén



J. Brodén

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OP152 - APPLICATION OF THE 1-HYDROXYETHYLIDENE-1,1-DIPHOSPHONIC ACID IRRIGANT IN ROOT CANAL TREATMENT: AN OBSERVATIONAL STUDY

N. Mansour

OP153 - INFLUENCE OF ROOT CANAL TAPER ON ISTHMUS CLEANING BY TWO TYPES OF ULTRASONICALLY (IRRISAFE AND SMARTLITE PRO ENDOACTIVATOR) AND LASER-ACTIVATED IRRIGATION (SSP AND SWEEPS)

S. Passalidou

OP154 - A NOVEL APPROACH IN ENDODONTIC IRRIGATION: SUBMICRON DIAMONDS FOR ENHANCED CLEANING AND SEALER PENETRATION

G.Y. Hsiao

OP155 - EFFECTIVENESS OF ALTERNATIVE IRRIGATION SOLUTIONS IN TISSUE DISSOLUTION: AN IN VITRO STUDY

B. Konmus

OP156 - EVALUATION OF MOLECULAR INTERACTIONS OF VARIOUS ENDODONTIC IRRIGANTS USING PROTON NUCLEAR MAGNETIC RESONANCE SPECTROSCOPY AND FOURIER TRANSFORM INFRARED SPECTROSCOPY

M.E. Kaval

OP157 - HYDROGEL - WHAT ABOUT AS AN ENDODONTIC INTRACANAL MEDICAMENT? E. Bolat

() 10:30 – 11:00 COFFEE-BREAK

O HALL 7 – DAVIDIA 03 (LEVEL D)

(1) 11:00 – 12:30 ORAL PRESENTATIONS ON FREELY CHOSEN SUBJECTS

CATEGORY: IRRIGANTS/MEDICAMENTS - OTHER

MODERATOR: A. Jakovljevic



A. Jakovljevic

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PROGRAMME

SATURDAY, 6TH SEP. 2025

OP175 - COMPARATIVE PHYSICO-CHEMICAL ANALYSIS OF CHLORHEXIDINE-BASED MIXTURE IRRIGATION SOLUTIONS: ENDOXAL VERSUS QMIX2INI

M. Baykara

OP176 - EVALUATION OF POST-OPERATIVE PAIN FOLLOWING THE USE OF NANO-CALCIUM HYDROXIDE AS AN INTRACANAL MEDICAMENT: A RANDOMIZED CONTROLLED TRIAL S.N. Sisli

OP177 - EFFICACY OF GLYCYRRHIZIN AS AN INTRACANAL MEDICAMENT ON THE LEVELS OF INFLAMMATORY CYTOKINES CYTOKINES IN PERIRADICULAR TISSUES OF TEETH WITH APICAL PERIODONTITIS: A RANDOMIZED CLINICAL TRIAL

A. Eltantawi

OP178 - BIOACTIVE COMPOUNDS AS ROOT CANAL IRRIGANTS: ANTIMICROBIAL, INFLAMMATORY REGULATION AND TOXICOLOGICAL ASSESSMENT F. Andrade

OP179 - SODIUM HYPOCHLORITE ACCIDENTS DURING ENDODONTIC TREATMENTS: CAUSES, PREVENTION, DIAGNOSIS AND MANAGEMENT H. Basaran

<u>()</u> 12:30 – 13:30	LUNCH
13:30 – 14:30	POSTER PRESENTATIONS / TRADE EXHIBITION

O HALL 7 – DAVIDIA 03 (LEVEL D)

(1) 14:30 - 16:00 ORAL PRESENTATIONS ON FREELY CHOSEN SUBJECTS

CATEGORY: OTHER MODERATOR: A. Arias



A. Arias

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OP198 - ENDODONTIC FAILURE REVISITED: HOW OCCLUSION CAN CHANGE THE GAME C. Chaudeau

OP199 - RADIOGRAPHIC ANALYSIS OF DENTAL FINDINGS *E. Gursu Sahin*

OP200 - CORRELATION BETWEEN CRACKED TEETH AND ANATOMICAL TOOTH STRUCTURES F. Lin

OP201 - ENDODONTIC MANAGEMENT OF EXTERNAL ROOT RESORPTIONS S. Cil

OP202 - ENDODONTIC RESEARCH USING MEDICAL DATA WAREHOUSES A. Fouad



PROGRAMME

SATURDAY, 6TH SEP. 2025

OP203 - SEVERE EXTERNAL ROOT RESORPTION: A 15- YEAR JOURNEY AND BEYOND

| Maglouf

HALL 8 - ROOM DATTIER 03 (LEVEL D)

() 09:00 - 10:30 ORAL PRESENTATIONS ON FREELY CHOSEN SUBJECTS

CATEGORY: CASE REPORT OR CASE SERIES / TRAUMATIC DENTAL INJURIES

OP158 - MANAGEMENT OF TEETH WITH EXTERNAL CERVICAL ROOT RESORPTION THROUGH A MULTIDISCIPLINARY APPROACH: TWO CASE REPORTS S.N. Eren

OP159 - INTENTIONAL REPLANTATION OF A LATERAL INCISOR IN A PEDIATRIC PATIENT WITH TRAUMA AND DOUBLE VERTICAL ROOT FRACTURE (CASE REPORT)

M. Flores Lara

OP160 - DIFFERENT SCENARIOS PROTOCOL FOR TREATING TRAUMATIZED ENDODONTIC INJURIES

N. Mansour

OP161 - TOOTH DISCOLORATION IN ENDODONTICALLY TREATED TEETH: A CONSERVATIVE TREATMENT APPROACH

R. Alharbi

OP162 - CONSERVATIVE APPROACH TO TREAT COMPLEX CASES IN DENTAL TRAUMATOLOGY
G. El-Achkar

- () 10:30 11:00 COFFEE-BREAK
- O HALL 8 ROOM DATTIER 03 (LEVEL D)
- (1) 11:00 12:30 ORAL PRESENTATIONS ON FREELY CHOSEN SUBJECTS

CATEGORY: UG LEARNING & TEACHING (KNOWLEDGE, PRECLINICAL AND CLINICAL) / PG LEARNING & TEACHING (KNOWLEDGE, PRECLINICAL AND CLINICAL) / DIGITAL TOOLS FOR ENDODONTIC EDUCATION

MODERATOR: V. Franco



V. Franco

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OP180 - EVALUATION OF THE TECHNICAL QUALITY OF ROOT CANAL TREATMENTS PERFORMED BY DENTAL STUDENTS BEFORE AND AFTER THE COVID-19 PANDEMIC: A RETROSPECTIVE ANALYSIS

F.G. Sahin

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PROGRAMME

SATURDAY, 6TH SEP. 2025

OP181 - THE ROLE OF 3D-PRINTED RESIN TEETH IN PRE-CLINICAL ENDODONTIC EDUCATION

A. Oncu

OP182 - ANALYSIS OF KNOWLEDGE COMPETENCY AND LEVELS OF FIFTH-YEAR DENTAL STUDENTS REGARDING ROTARY INSTRUMENT SYSTEMS

B. Dagdelen

OP183 - AS AN ENDODONTIST, HOW DO I CHOOSE THE BEST COMMERCIAL BRAND OF BIOMATERIALS FOR MY CLINICAL PRACTICE?

E. Seyedjafari Oliaeenejad

OP184 - RELIABILITY OF INFORMATION IN YOUTUBETM VIDEOS ON THE APPLICATION OF CALCIUM HYDROXIDE

N. Seven

OP185 - ADVANCING VISUALIZATION: INTEGRATING MICRO-CT, FOCUS STACKING, AND VR FOR HYPER-REALISTIC 3D TOOTH MODELS

M. Raykovska

<u>()</u> 12:30 – 13:30	LUNCH
13:30 - 14:30	POSTER PRESENTATIONS / TRADE EXHIBITION

O HALL 8 - ROOM DATTIER 03 (LEVEL D)

(1) 14:30 – 16:15 ORAL PRESENTATIONS ON FREELY CHOSEN SUBJECTS

CATEGORY: OTHER

MODERATOR: Dariusz Kasperek



Dariusz Kasperek

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OP204 - THE FUTURE OF ENDODONTICS

A. Isufi

OP205 - SOCIAL MEDIA CONTENT ANALYSIS OF ENDODONTIC SPECIALISTS O.O. Ak

OP206 - ELECTRICAL CONDUCTIVITY OF COMPOSITE RESINS: IMPLICATIONS FOR VITALITY TESTING AND CLINICAL PRACTICE

D.S. Kaya

OP207 - CONSERVATIVE APPROACH IN MANAGEMENT OF DEEP CARIOUS LESIONS IN CLINICAL PRACTICE

S. Al Hajaj

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PROGRAMME

SATURDAY, 6TH SEP. 2025

OP208 - USE OF 3D GUIDES IN ENDODONTICS: A BIBLIOMETRIC ANALYSIS OF THE LAST 10 YEARS

S. Uzun

OP209 - IS THERE ANY LINK BETWEEN CHANGES IN MIGRAINE SYMPTOMS AND ENDO-DONTICS?

M. Yilmaz

OP210 - EFFECTIVE USE OF LASER-ASSISTED VITAL PULP THERAPY IN ACHIEVING APEXOGENESIS

N. Kovalenko



RESEARCH POSTERS

THURSDAY, 4TH SEP. 2025

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RESEARCH POSTERS AREA (LEVEL D)

(1) 13:30-14:30

- R001 ENAMEL MATRIX PROTEIN PROMOTE THE MINERALIZATION OF HUMAN DENTAL PULP CELLS

 B. Lee
- R002 PARATHYROID HORMONE-CONDITIONED DENTAL PULP STEM CELLS AND GROWTH FACTOR RELEASE: AN IN VITRO STUDY

 A. Zhang
- R003 OPTIMIZATION AND EVALUATION OF A THREE-DIMENSIONAL PULP CELLULAR MODEL SUPPLEMENTED WITH BONE MORPHOGENETIC PROTEIN-7 FOR REGENERATIVE ENDODONTICS

 X.Y. Kuah
- R004 ASSESSMENT OF DECELLULARIZED HUMAN DENTAL PULP AS A POTENTIAL NATURAL SCAFFOLD FOR REGENERATIVE ENDODONTICS W.Y. Peh
- R005 ENHANCE THE OSTEOGENIC DIFFERENTIATION OF MESENCHYMAL STEM CELLS USING EXTRACELLULAR MATRICES

 J. Kana
- R006 EFFECTS OF CANNABIDIOL ON HUMAN APICAL PAPILLA CELLS: A POTENTIAL APPLICATION IN REGENERATIVE ENDODONTICS

 S. Techachan
- R007 FRACTURE RESISTANCE OF SIMULATED IMMATURE TEETH FOLLOWING REGENERATIVE ENDODONTIC PROCEDURES: AN IN VITRO CYCLIC LOADING STUDY

 K.A. Polydora
- ROO8 AN IN VITRO TUBE MODEL FOR CELL BIOCOMPATIBILITY STUDY OF CAPPING MATERIALS

 N. Jouklova
- R009 KNOWLEDGE AND MANAGEMENT OF DENTAL TRAUMA BY GREEK SCHOOL NURSES: A QUESTIONNAIRE BASED CROSS-SECTIONAL STUDY I. Tranoulis
- R010 HANK'S BALANCED SALT SOLUTION SUPPLEMENTED WITH L-ASCORBIC ACID INHIBITS MMP1 AND ENHANCES COLLAGEN 1A1 EXPRESSION IN PERIODONTAL CELLS OF EXTRACTED TEETH L.F. POH
- R011 EFFECTS OF A SYNTHETIC FUNCTIONAL PEPTIDE ON TOOTH REPLANTATION OUTCOMES: A CANINE MODEL STUDY Y.S. Lee
- R012 MICROHARDNESS EVALUATION OF CERVICAL BARRIERS AFTER INTRA-CORONAL BLEACHING

 L. Amirova



RESEARCH POSTERS

CLUSTER 2

- R013 EVALUATION OF IMMUNOEXPRESSION OF PRO-INFLAMMATORY CYTOKINES AND BIOMARKERS OF BONE ACTIVITY IN PERIAPICAL LESIONS OF SICKLE CELL ANEMIA PATIENTS

 L. Armada
- R014 METALLOMIC CHARACTERISATION OF INDUCED PERIAPICAL LESIONS IN VIVO STUDY

 J.S. Pereira
- R015 EXPRESSION OF S100A GENES IN HUMAN DENTAL PULP STEM CELLS FOLLOWING STIMULATION WITH TWO HYDRAULIC CALCIUM SILICATE CEMENTS H. Jungbluth
- R016 CHRONIC INFLAMMATION IN THE DENTAL PULP OF MARFAN SYNDROME MOUSE MODEL FBN1 C1041G+/S. Talwar
- R017 PTH'S IMPACT AND PROCESS ON ALVEOLAR H-TYPE ANGIOGENESIS S. Zhao
- R018 THE EFFECT AND EPIGENETIC MECHANISM OF KDM4D ON ODONTOGENIC AND VASCULAR DIFFERENTIATION AND REGENERATION OF DENTAL PULP STEM CELLS C. Zhang
- R019 ESTABLISHING REFERENCE VALUES FOR CONVENTIONAL AND MODERN CLINICAL DIAGNOSTIC TESTS IN ASSESSING PULP VITALITY AMONG HEALTHY YOUNG INDIVIDUALS

 D. Pavlovic
- R020 EFFECT OF INFLAMMATION ON STEM CELL SPECIFICITY AND WOUND HEALING OF DENTAL PULP CELLS

 H. Dogan Buzoglu
- R021 THE INFLUENCE OF AGE ON THE HEALING OF APICAL PERIODONTITIS AFTER NONSURGICAL ENDODONTIC TREATMENT

 I. Brekalo Prso
- R022 PERIAPICAL MICROBIOTA AND LOCAL IMMUNE RESPONSE AS DETERMINANTS OF DENTAL GRANULOMA SEVERITY

 E. Sturaro
- R023 OUTCOMES OF PULP VITALITY IN TEETH INCLUDED IN A NON-ENDODONTIC LESION AFTER SURGERY: A SYSTEMATIC REVIEW

 M. Amar
- R024 HISTO-TOPOGRAPHIC ANALYSIS OF PERIODONTAL CELLS DAMAGE ON ROOT SURFACE DURING EXTRACTIVE PROCEDURES F. Dell'Aquila

CLUSTER 3

R025 BIOACTIVE SCAFFOLDS CONTAINING RESOLVIN E1 ACCELERATES REPAIR OF HUMAN DENTAL PULP STEM CELLS UNDER INFLAMMATORY CONDITIONS N. Suresh

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RESEARCH POSTERS

- R026 LTA-TLR2 INTERACTION TRIGGERS IL-6 PRODUCTION VIA NUCLEAR TRANSLOCATION OF NF- KB IN HUMAN PULP CELLS T. Akamp
- R027 A CELL HOMING APPROACH FOR PULP REGENERATION USING DENTIN MATRIX PROTEINS IN A SEMI-ORTHOTOPIC MOUSE MODEL S. Pohl
- R028 EFFECT OF NITROUS OXIDE ON THE EFFICACY OF THE INFERIOR ALVEOLAR NERVE BLOCK IN MANDIBULAR POSTERIOR TEETH WITH SYMPTOMATIC IRREVERSIBLE PULPITIS A SYSTEMATIC REVIEW H. Samarah
- R030 DESCRIPTIVE CROSS-SECTIONAL EPIDEMIOLOGICAL STUDY ON THE PRESCRIPTION OF ANTI-INFLAMMATORY DRUGS IN ENDODONTICS AMONG PRIVATE SECTOR DENTISTS

 S. Dhoum
- R031 FRACTURE RESISTANCE OF ROOT CANAL-TREATED MANDIBULAR MOLARS WITH DIFFERENT ENDODONTIC ACCESS CAVITIES AFTER SIMULATED AGING S. Yilmaz
- R032 TEMPERATURE CHANGE IN THE PULP CHAMBER INDUCED BY DIFFERENT LIGHT CURING UNITS IN SIMULATED DEEP CAVITIES

 Y. Kilic
- R033 EFFECT OF CAVITY DESIGN ON BACTERIAL REDUCTION IN ROOT CANALS AND POSTOPERATIVE PAIN LEVEL: A RANDOMIZED CONTROLLED TRIAL E. Karatas
- R034 INVESTIGATION OF SHORTWAVE INFRARED TRANSILLUMINATION MECHANISMS FOR ENDODONTIC NAVIGATION

 E. Walter
- R035 ACCURACY AND EFFICIENCY OF DYNAMIC NAVIGATION FOR ENDODONTIC ACCESS PREPARATION IN TEETH WITH CALCIFIED CANALS A PILOT STUDY E. Urbone
- R036 THE EFFECT OF DIFFERENT ACCESS CAVITY DESIGNS ON THE REMOVAL OF CALCIUM HYDROXIDE FROM ROOT CANALS

 E. Bodur

- RO37 RETREATABILITY OF EPOXY RESIN- AND CALCIUM SILICATE-BASED SEALERS USED WITH TWO FILLING TECHNIQUES FROM MATCHED OVAL ROOT CANALS: A MICRO-CT ANALYSIS

 T. Rödig
- R038 ENDODONTIC RETREATMENT DECISION-MAKING: THE INFLUENCE OF THE FRAMING EFFECT

 A. Patel
- R039 CLINICAL EVALUATION OF INTRACANAL ANTIMICROBIAL EFFICACY OF A ER:YAG LASER-ASSISTED PHOTOACOUSTIC STREAMING AND SONIC-ACTIVATED IRRIGATION DURING SINGLE-VISIT ROOT CANAL RETREATMENT A PILOT STUDY M. Simundic Munitic



RESEARCH POSTERS

- R040 AN OBSERVATIONAL STUDY ON SCAR TISSUE AFTER ENDODONTIC SURGERY A. Coghe
- RO41 RELATIONSHIP OF THE PALATAL ROOTS OF THE MAXILLARY FIRST & SECOND MOLARS TO THE GREATER PALATINE ARTERY & MAXILLARY ANTRUM IN A WELSH POPULATION: A CONE BEAM COMPUTED TOMOGRAPHY STUDY J. Black
- R042 THE EFFECT OF ROOT FUSION ON THE INTER-ORIFICE DISTANCES IN MAXILLARY SECOND MOLARS

 D. Toplu
- R043 MONITORING SIZE OF BONE DESTRUCTION IN ROOT-FILLED TEETH WITH ASYMPTOMATIC APICAL PERIODONTITIS- RESULTS FROM A ONE-YEAR FOLLOW-UP PROSPECTIVE STUDY

 M. Sayady-Olander
- R044 A SURVEY OF CONE BEAM COMPUTED TOMOGRAPHY USE OF TUKISH ENDODONTIST AND CLINICIANS IN CLINICAL PRACTICE E. Aykin
- R045 ANALYSIS OF THE PREVALENCE AND LOCALIZATION OF SECONDARY MESIOBUCCAL CANAL IN MAXILLARY MOLAR TEETH USING CBCT S. Dinc
- R046 THE RELATIONSHIP BETWEEN TECHNICAL ERRORS AND PERIAPICAL STATUS IN ENDODONTICALLY TREATED MOLAR TEETH: A CBCT ANALYSIS

 O. Hekim Harput
- R047 PREVALENCE OF APICAL PERIODONTITIS IN ENDODONTICALLY TREATED POSTERIOR TEETH WITH UNTREATED CANAL USING CONE-BEAM COMPUTED TOMOGRAPHY

 D. Pesic

- R048 INFLUENCE OF DENTAL MATERIALS ON ARTEFACTS AND IMAGE QUALITY IN DENTAL-DEDICATED MRI

 L. Kaaber
- R049 DIAGNOSTIC IMAGE QUALITY OF DENTAL-DEDICATED MRI TAILORED FOR ENDODONTIC PURPOSES

 L.H. Matzen
- R050 ASSESSING APICAL PERIODONTITIS WITH DENTAL-DEDICATED MAGNETIC RESONANCE IMAGING AND CONE BEAM COMPUTED TOMOGRAPHY: A PILOT IN VIVO STUDY

 K. Johannsen
- R051 ULTRA- LOW DOSE CONE BEAM CT COMPARED TO STANDARD DOSE IN THE ASSESSMENT OF VERTICAL ROOT FRACTURE: AN IN-VITRO STUDY B. Asheghi
- R052 A NOVEL 3D-PRINTED POSITIONING SYSTEM FOR ENHANCED REPRODUCIBILITY IN LONGITUDINAL MICRO-CT STUDIES OF ENDODONTIC TREATMENTS

 M. Raykovska



RESEARCH POSTERS

- R053 KNOWLEDGE & RADIATION EXPOSURE PROTECTION PROTOCOLS: SURVEY AMONG DENTISTS IN PRIVATE PRACTICE IN CASABLANCA S. Dhoum
- R054 PREVALENCE OF DENS INVAGINATUS IN BRITISH POPULATION. A RETROSPECTIVE CBCT OBSERVATIONAL STUDY

 S. Stefanescu
- R055 DENTAL PRACTICALITY INDEX AND ACCEPTANCE OF FURTHER TREATMENT T. Ujcic Samec
- R056 PERIAPICAL LESIONS IN PATIENTS WITH ECZEMAS IN NORTHERN FINLAND L. Tursas
- R057 RISK FACTORS FOR FURTHER INTERVENTIONS OF ROOT FILLED TEETH IN A LONG-TIME PERSPECTIVE – A SWEDISH REGISTRY STUDY S. Olsson
- R058 THE INFLUENCE OF MISSED CANALS, QUALITY OF ROOT CANAL TREATMENT AND THE QUALITY OF CORONAL RESTORATION ON THE PREVALENCE OF PERIAPICAL LESIONS IN ENDODONTICALLY TREATED TEETH: A CROSS-SECTIONAL STUDY A.R. Saleh
- R059 PREVALENCE OF PERIAPICAL RADIOLUCENCY AND QUALITY OF ROOT CANAL FILLING IN A SWEDISH POPULATION: A CBCT ANALYSIS

 O. Ye

- R061 FACTORS INFLUENCING THE LONG-TERM SURVIVAL AND SUCCESS OF ENDODONTICALLY TREATED TEETH: A RETROSPECTIVE STUDY IN AN EDUCATIONAL HOSPITAL R. Almohareb
- R062 INFLUENCE OF ROOT CURVATURE ON THE OUTCOME OF NON-SURGICAL ENDODONTIC RETREATMENT OF MANDIBULAR FIRST MOLARS: A COHORT STUDY K. Winsnes
- R063 THE ROLE OF RESTORATIVE FACTORS ON THE OUTCOME OF NON-SURGICAL ROOT CANAL TREATMENT

 L. Alsofi
- R064 LONG-TERM EVALUATION OF TOOTH SURVIVAL AND PERIAPICAL HEALING IN ROOT FILLED TEETH

 A.E. Bisgaard
- R065 EFFECTS OF SPECIALIST TREATMENT IN ENDODONTIC THERAPY ON TOOTH RETENTION AND TREATMENT COSTS: A COST-EFFECTIVENESS ANALYSIS L. Benz
- R066 COMPARING SUCCESS RATES OF SELECTIVE AND CONVENTIONAL NON-SURGICAL RETREATMENT: A RETROSPECTIVE STUDY

 C. Desdevises
- R067 PERIAPICAL HEALING OF TEETH WITH APICAL PERIODONTITIS USING CONE-BEAM COMPUTED TOMOGRAPHY AND DIGITAL PERIAPICAL RADIOGRAPHY S. Scarlatescu



RESEARCH POSTERS

- R068 THE EFFECT OF TOOTH STRUCTURE LOSS ON THE OUTCOME OF ROOT CANAL **RETREATMENTS: 10-YEAR RECALL** L. Powrie
- R069 SURVIVAL RATES AND PREDICTORS OF EXTRACTION OF TEETH RECEIVING A ROOT FILLING AND SUBSEQUENT ORTHOGRADE RETREATMENT DURING A 9-YEAR PERIOD. A SWEDISH REGISTRY STUDY F.J. Mota De Almeida
- R070 FACTORS AFFECTING ROOT CANAL FILLING QUALITY AND OUTCOMES OF ENDODONTIC RETREATMENT: A RETROSPECTIVE STUDY IN THE ENDODONTIC POSTGRADUATE PROGRAM A.R. Saleh
- R071 SHORT-TERM OUTCOME OF NON-SURGICAL ENDODONTIC TREATMENTS PERFORMED BY PRE-GRADUATE STUDENTS OVER 13 YEARS: A RETROSPECTIVE STUDY AT THE UNIVERSITY OF COPENHAGEN S. Ramezanzade

FRIDAY, 5[™] SEP. 2025



RESEARCH POSTERS AREA (LEVEL D)

(1) 13:30-14:30

- R072 PHYSICO-CHEMICAL AND ANTIMICROBIAL PROPERTIES OF BIOROOT RCS MODIFIED WITH HYDROXYAPATITE, SILVER NANOPARTICLES AND PMETAC G. Bilvinaite
- R073 RETROSPECIVE CLINICAL STUDY ON THE COMPARISON OF EXTRUSION AND POSTOPERATIVE PAIN OF CALCIUM SILICATE AND RESIN-BASED ROOT CANAL **SEALER** Y. Song
- R074 THE EFFECT OF SETTING CONDITION ON MECHANICAL PROPERTIES OF PREMIXED - PUTTY TYPE BIOACTIVE CERAMIC CEMENT M. Song
- R075 THE IMPACT OF MAIN IRRIGATION LIQUIDS ON BIODENTINE IN PERFORATION CLOSURE - A MICROSCOPIC COMPARISON A. Palatynska-Ulatowska
- R076 EVALUATION OF THE PHYSICOCHEMICAL AND ANTIMICROBIAL PROPERTIES OF CALCIUM SILICATE-BASED SEALERS WITH DIFFERENT PLASTICIZING AGENTES T. Bessa Marconato Antunes
- R077 EFFECT OF ONE-YEAR STORAGE IN PHOSPATE-BUFFERED SALINE ON MICROHARDNESS OF MINERAL TRIOXIDE AGGREGATE MODIFIED BY ADDITION OF SHORT GLASS FIBERS
- R078 THE EFFECT OF TEMPERATURE ON FLOWABLITY AND MICROSTRUCTURE OF A NEW CALCIUM SILICATE-BASED ROOT CANAL SEALER L. Zhang



RESEARCH POSTERS

- R079 IMPACT OF MATCHING GUTTA-PERCHA CONES ON BIOCERAMIC SEALER
 PENETRATION AND SEAL INTEGRITY: A COMPARATIVE ANALYSIS USING CONFOCAL
 MICROSCOPY AND MICRO-CT
 R. Barakat
- R080 ASSESSMENT OF PH VALUES OF FOUR CALCIUM SILICATE-BASED SEALERS IN DIFFERENT TIME INTERVALS

 J. Stasic
- R081 COMPARISON OF MTA COMPACTION TECHNIQUES FOR PERFORATED INTERNAL ROOT RESORPTION CAVITIES: MICRO-CT ANALYSIS OF VOID FORMATION E. Sariyilmaz
- R082 BOND STRENGTH AND POROSITY OF A NEW PREMIXED CALCIUM-SILICATE ROOT CANAL SEALER AFTER DIFFERENT LASER-ASSISTED DISINFECTION PROTOCOLS G. Kapetanovic Petricevic

- R083 EVALUATION OF METAL ARTIFACT REDUCTION WITH DIFFERENT FILLING MATERIALS BASED ON STANDARD DENTAL PHANTOM ROOT CANALS USING DUAL-ENERGY CT AND TRADITIONAL DENTAL CONE-BEAM CT X. Chen
- R084 A NEW METHOD FOR GUTTA-PERCHA POINT MEASUREMENT EMPLOYING CUSTOMISED IMAGE ANALYSIS SOFTWARE

 M. Lustrik
- R085 LONG-TERM ANTIBACTERIAL EFFICACY AND CYTOCOMPATIBILITY OF BIOROOT FLOW, AH PLUS BIOCERAMIC, AND AH PLUS SEALERS USED FOR WARM VERTICAL COMPACTION Y. Kim
- R086 IN VIVO COMPARISON OF TISSUE REACTIONS TO IMPLANTED CALCIUM SILICATE-BASED ROOT CANAL SEALERS

 J. Kim
- R087 OSTEOGENIC POTENTIAL OF VARIOUS PREMIXED BIOCERAMIC SEALERS ON HUMAN BONE MARROW STEM CELLS

 N. You
- R088 ASSESSMENT OF VOIDS IN A HYDRAULIC CALCIUM SILICATE SEALER USING THREE DELIVERY METHODS: AN IN VITRO MICRO-COMPUTED TOMOGRAPHY STUDY *Y. Andreani*
- R089 CLINICAL AND RADIOGRAPHIC OUTCOMES OF ROOT CANAL TREATMENT USING WARM AND COLD OBTURATION TECHNIQUES WITH BIOCERAMIC SEALERS: A SYSTEMATIC REVIEW AND META-ANALYSIS K. Hassan
- R090 COMPARISON OF SHEAR BOND STRENGTH OF DIFFERENT ADHESIVE SYSTEMS TO RESIN-MODIFIED GLASS IONOMER LINER AND CALCIUM SILICATE CEMENT S.W. Lou
- R091 WHAT IS THE EFFECT OF CORONAL RESTORATION TYPES ON SURVIVAL OF ROOT FILLED TEETH: A COMMON STATISTICAL PITFALL W. Kaaber



RESEARCH POSTERS

- R092 DOES PRE-ENDODONTIC DENTIN SEALING IMPROVE LONG-TERM BOND STRENGTH TO CORONAL DENTIN? AN IN VITRO STUDY J.A. Marques
- R093 THE IMPACT OF TOOTH STRUCTURE PRESERVATION ON THE OUTCOME OF ENDODONTICALLY TREATED TEETH FOLLOWING CAD/CAM CUSPAL COVERAGE RESTORATIONS: A 6-YEAR FOLLOW-UP M.H. Ab Aziz
- R094 THE INFLUENCE OF THE OCCLUSAL DESIGN OF LITHIUM DISILICATE ALL-CERAMIC ENDOCROWNS ON THEIR BIOMECHANICAL PERFORMANCE: A FINITE ELEMENT ANALYSIS

 D. Yigit

CLUSTER 3

- R095 EVALUATION OF SONIC ACTIVATION METHOD IN REMOVING NANO CALCIUM HYDROXIDE FROM ROOT CANALS

 A. Dumani
- R096 THE ASSESSMENT OF CHLORINE CONCENTRATIONS IN SODIUM HYPOCHLORITE SOLUTIONS USED BY DENTAL PRACTITIONERS IN MOROCCO: A SURVEY B. Toure
- R097 EVALUATING SUB-MICRON DIAMOND IRRIGATION FOR IMPROVED BIOFILM REMOVAL IN ENDODONTIC TREATMENT USING SCANNING ELECTRON MICROSCOPY

 Y. Hsu
- R098 REVOLUTIONIZING ENDODONTIC IRRIGATION: OZONE-DRIVEN NANO-BUBBLE WATER FOR SMEAR LAYER REMOVAL, BACTERIAL ELIMINATION, AND MEDICAMENT PENETRATION AN IN VITRO STUDY P. Pandey
- R099 HPLC ANALYSIS OF FORMALDEHYDE RELEASE FROM READY-TO-USE ENDODONTIC IRRIGANTS

 E. Katmerou
- R100 DOES THE USE OF GEL-BASED IRRIGANTS REDUCE HARD-TISSUE DEBRIS ACCUMULATION DURING ROOT CANAL SHAPING OF MANDIBULAR MOLARS? F. Belladonna
- R102 THE EFFICACY OF NOVEL REMOTELY-GENERATED ULTRASONIC ROOT CANAL IRRIGATION SYSTEM IN REMOVING INTRACANAL MEDICAMENT OF ARTIFICIAL ROOT CANAL SYSTEM WITH DENTINAL TUBULE SIMULATING WAFER S. Wonjun
- R103 THE EFFECT OF EDTA, CITRIC ACID AND ETIDRONIC ACID USED WITH DIFFERENT IRRIGATION ACTIVATION METHODS ON CALCIUM HYDROXIDE REMOVAL AND DENTIN EROSION

 A. Turkyilmaz
- R104 COMPARISON OF THE EFFICACY OF A NOVEL ER:YAG LASER-ACTIVATED IRRIGATION MODE, SONIC-ACTIVATED IRRIGATION AND CONVENTIONAL IRRIGATION IN THE REMOVAL OF PULP TISSUE REMNANTS FROM THE APICAL ISTHMUS AREA

 1. Bago



RESEARCH POSTERS

R106 EFFECT OF FINAL IRRIGATION PROTOCOLS ON THE PENETRATION OF ROOT CANAL SEALERS: A CONFOCAL LASER SCANNING MICROSCOPY STUDY S. Askerbeyli Örs

CLUSTER 4

- R107 PERIAPICAL HEALING OUTCOMES OF DIFFERENT FINAL IRRIGATION TECHNIQUES: A RETROSPECTIVE STUDY G. Erdeve
- R108 HEALING ASSESSMENT OF PERIAPICAL LESIONS IN ENDODONTICALLY TREATED TEETH USING GENTLEWAVE AND SAFE ENDED SIDE VENTED SYRINGE IRRIGATION A PILOT STUDY A. Isufi
- R109 INFLUENCE OF IRRIGANTS ON EFFICACY OF NEW SINGLE-FILE RECIPROCATION INSTRUMENTS

 I. Vidovic Zdrilic
- R110 EFFICIENCY OF ENDODONTIC ASPIRATOR TIPS VERSUS PAPER POINTS IN DRYING SEVERELY CURVED ROOT CANALS

 B.S. Borklu Sonmez
- RIII ANATOMIC FEATURES OF THE MIDDLE MESIAL CANAL AND MESIAL ROOT OF THE MANDIBULAR MOLARS ANALYZED BY MICRO-CT

 N. Rodrigues Dos Santos
- R112 A CONE-BEAM COMPUTED TOMOGRAPHY ASSESSMENT OF MAXILLARY INCISORS' ROOT AND ROOT CANAL MORPHOLOGY

 K. Chehimi
- R113 A CONE BEAM COMPUTED TOMOGRAPHY ASSESSMENT OF LOWER INCISORS' ROOT AND ROOT CANAL MORPHOLOGY

 W. Kassamany
- R114 OBSERVATION OF GENDER DIFFERENCES IN ANATOMICAL VARIATIONS OF MANDIBULAR CANINES: A CONE BEAM COMPUTED TOMOGRAPHY ANALYSIS B. Sleiman
- R115 A CONE BEAM COMPUTED TOMOGRAPHY ASSESSMENT OF MAXILLARY MOLARS ROOT AND ROOT CANAL MORPHOLOGY

 M. Brazi
- RII6 A CONE BEAM COMPUTED TOMOGRAPHY ASSESSMENT OF LOWER PREMOLARS' ROOT AND ROOT CANAL MORPHOLOGY

 S. El-Kork
- R117 A RETROSPECTIVE STUDY ON ROOT CANAL ANATOMY AND MORPHOLOGY OF MAXILLARY PREMOLARS AMONG LEBANESE POPULATION S. Rahal

CLUSTER 5

R119 AN IN VITRO STUDY ON THE ANTIMICROBIAL EFFICACY OF A CALCIUM HYDROXIDE VERSUS A CALCIUM SILICATE BASED ENDODONTIC MEDICAMENT D. Jana



RESEARCH POSTERS

- R120 PHYSICOCHEMICAL PROPERTIES AND ANTIMICROBIAL ACTIVITY OF AN INTRACANAL MEDICAMENT BASED ON CALCIUM HYDROXIDE AND ITS ASSOCIATION WITH F18 BIOGLASS OR COPPER ION-DOPED BIOGLASS J. Guerreiro-Tanomaru
- R121 BIOSYNTHESIZED SELENIUM NANOPARTICLES: CHARACTERIZATION, ANTIMICROBIAL, AND ANTIBIOFILM ACTIVITY AGAINST ENTEROCOCCUS FAECALIS S. Miglani
- R122 CHELATING CAPACITY OF 0.1% CHITOSAN NANOPARTICLES AS A ROOT CANAL IRRIGANT

 A.G. Carrillo Varquez
- R123 CYTOTOXICITY EVALUATION OF CHITOSAN NANOPARTICLES AS A POTENTIAL IRRIGANT FOR ROOT CANAL TREATMENT C.E. Castaneda Zaragoza
- R124 CLINICAL EFFICACY OF DIFFERENT ENDODONTIC IRRIGANT ACTIVATION SYSTEMS ON BACTERIAL LOAD REDUCTION FROM PRIMARY INFECTED ROOT CANALS A. Eltantawi
- R125 THE EFFECT OF CALCIUM SILICATE-BASED INTRACANAL MEDICAMENT ON ANTIFUNGAL-ANTIBACTERIAL ACTIVITY AND POSTOPERATIVE PAIN AFTER RETREATMENT

 1. Mentes
- R126 ISOLATION OF FUSOBACTERIUM BACTERIOPHAGES FROM HUMAN SALIVA F. Sawhney
- R127 CHEMICAL CHARACTERIZATION, MINIMUM INHIBITORY AND BACTERICIDAL CONCENTRATION OF A HIGH AND LOW MOLECULAR WEIGHT CHITOSAN GEL R. Zancan
- R128 COMPARISON OF THE APICAL ROOT CANAL MICROBIOTA OF TEETH WITH POST-TREATMENT APICAL PERIODONTITIS USING TWO DIFFERENT SAMPLING METHODS S. Aktemur Türker
- RI30 ACUTE DENTAL ABSCESSES REQUIRING HOSPITALIZATION IN AN ITALIAN POPULATION, CASE SERIES: CHARACTERISTICS OF THE PATIENTS AND TREATMENT REQUIRED G. Bardini

CLUSTER 6

- R131 AI-BASED PERIAPICAL LESION EVALUATION: DEVELOPMENT AND CLINICAL APPLICATION
 S. Kim
- R132 PREDICTION OF INTRACORONAL BLEACHING OUTCOMES USING ARTIFICIAL INTELLIGENCE

 S.E. Yener
- R133 DESIGN AND IMPLEMENTATION OF IMAGE PROCESSING SOFTWARE FOR MEASURING TOOTH AND ROOT CANAL GEOMETRY IN 3D RADIOGRAPHIC AXIAL VIEWS

 B. Asheghi



RESEARCH POSTERS

- RI34 EVALUATION OF THE PRECISION OF CONTEMPORARY ARTIFICIAL INTELLIGENCE CHATBOTS IN ADDRESSING ENDODONTIC INQUIRIES

 T. Aslan
- RI35 DEVELOPMENT OF A MOBILE APPLICATION INTEGRATING ARTIFICIAL INTELLIGENCE TO FACILITATE KNOWLEDGE ASSIMILATION IN RESTORATIVE DENTISTRY AND ENDODONTICS: EVALUATION AND PERSPECTIVES S. Grandaud
- R136 ARTIFICIAL INTELLIGENCE FOR ROOT CANAL ORIFICE IDENTIFICATION USING DENTAL OPERATING MICROSCOPE IMAGES: A PRELIMINARY EVALUATION O. Unal
- R137 SMARTER SCORING: AI VS EXPERTS IN DIAGNOSING APICAL PERIODONTITIS K. Winsnes
- R138 PERFORMANCE OF AN ARTIFICIAL INTELLIGENCE SYSTEM FOR DIAGNOSING PULPITIS IN ADULTS: AN EVALUATION USING A MODIFIED WOLTERS CLASSIFICATION

 J.P. Ferrada Ponce De León

SATURDAY, 6TH SEP. 2025



RESEARCH POSTERS AREA (LEVEL D)

(1) 13:30-14:30

CLUSTER 1

- R139 BIOLOGICAL EFFECTS OF GENISTEIN ON HUMAN DENTAL PULP CELLS J. Kang
- R140 ADP-5 SUPPRESSES RECEPTOR ACTIVATOR OF RANKL-INDUCED OSTEOCLAST DIFFERENTIATION VIA AMP-ACTIVATED PROTEIN KINASE ACTIVATION Y. Hwang
- R141 INFLUENCE OF RADIOPACIFIED CALCIUM SILICATE-BASED MATERIALS IMPLANTATION ON BLOOD PARAMETERS

 M. Marciano
- R142 MORPHOLOGICAL CHANGES OF PERIODONTAL LIGAMENT FIBROBLASTS IN THE PRESENCE OF FLOWABLE HYDRAULIC CALCIUM SILICATE-BASED CEMENT LEACHATES

 G. Irtmonas
- R143 BIODENTINE MODIFIED WITH MESOPOROUS BIOACTIVE GLASS EFFECT ON TGF-BETA1 RELEASE FROM HUMAN DENTINE A. Tutic
- R144 BIOCOMPATIBILITY AND INFLAMMATORY RESPONSE OF HYDRAULIC CALCIUM SILICATE-BASED MATERIALS USED IN ENDODONTIC MICROSURGERY *J. Araujo Carvalho*
- R145 OSTEOBLAST VIABILITY AND INFLAMMATORY CYTOKINE SECRETION IN DIRECT CONTACT WITH DIFFERENT MATERIALS USED FOR RESTORING EXTERNAL CERVICAL RESORPTION DEFECTS

 J. Cordeiro

-ese-



RESEARCH POSTERS

- R146 EFFECT OF CALCIUM-ENRICHED MIXTURE CEMENT AND COLD CERAMIC ON BIOLOGICAL BEHAVIOUR AND ODONTOBLASTIC DIFFERENTIATION OF DENTAL PULP-DERIVED MESENCHYMAL STEM CELLS

 P. Sangei Rad
- R147 EX VIVO-EVALUATION OF BIOCOMPATIBILITY AND BIOACTIVITY OF NEOMTA®2 COMPARED TO PROROOT® MTA AND TOTALFILL® BC RRM™ PUTTY IN HUMAN DENTAL PULP CELLS

 E. Fragouli
- R148 PULPAL SENSITIVITY AND PERFUSION DURING ORTHODONTIC SPACE CLOSURE K. Cankar
- RI50 PERSPECTIVES OF EXOGENOUS IL-33 IN BONE HEALING: A PILOT STUDY S. Zivanovic

- R151 A PROSPECTIVE STUDY OF THE INCIDENCE OF PULPAL DISEASES FOLLOWING CROWN PREPARATION

 A. Algudah
- R152 THE EFFECTIVENESS OF TREATMENTS OF TEETH WITH EXTERNAL RESORPTIONS –
 A REGISTER-BASED STUDY ON TOOTH SURVIVAL
 J. Norberg Cedering
- PATIENT SATISFACTION AND LONG-TERM OUTCOMES: A 7- TO 9-YEAR PROSPECTIVE COHORT STUDY OF ROOT CANAL TREATMENT IN THE SWEDISH PUBLIC DENTAL SERVICE

 E. Wigsten
- R154 THE EFFECT OF CALCIUM CHANNEL BLOCKER INTAKE ON HEALING OF APICAL PERIODONTITIS AFTER NONSURGICAL ROOT CANAL TREATMENT: A RETROSPECTIVE COHORT STUDY C. Parenti
- RI55 TREATMENT CHOICE FOR TEETH WITH EXTERNAL CERVICAL RESORPTION: A PROSPECTIVE STUDY

 J. Suhr Villefrance
- RIS6 DURATION OF PAIN RELIEF AFTER EMERGENCY ENDODONTIC TREATMENTS AND THE NEED FOR ADDITIONAL EMERGENCY ENDODONTIC INTERVENTIONS

 A. Yaya
- R157 EFFICACY OF PLATELET CONCENTRATES ON VITAL PULP TREATMENT OF FULLY DEVELOPED AND IMMATURE PERMANENT TEETH. A SYSTEMATIC REVIEW PROTOCOL AND NETWORK META-ANALYSIS OF HUMAN CLINICAL TRIALS S. Filippou
- RI58 RADIOGRAPHIC AND CLINICAL SUCCESS OF VITAL PULP THERAPY IN PERMANENT TEETH WITH TRAUMATIC OR CARIOUSLY EXPOSED PULP: A PROSPECTIVE OBSERVATIONAL STUDY

 B. Van Aelst
- RI59 RELATIONSHIP BETWEEN PREOPERATIVE PAIN AND HEMOSTASIS SUCCESS IN THE TREATMENT OF PULP INFLAMMATION IN MATURE PERMANENT TEETH WITH CARIOUS PULP EXPOSURE

 C. Brizuela



RESEARCH POSTERS

- R160 LEVELS OF NEUTROPHIL EXTRACELLULAR TRAPS IN PULPAL BLOOD OF MATURE PERMANENT TEETH WITH SYMPTOMATIC PULPITIS: A PROSPECTIVE COHORT STUDY
 - S. Sharma
- R161 THE OUTCOME OF PULP REVASCULARIZATION OF NECROTIC MATURE
 PERMANENT TEETH WITH PERIAPICAL LESIONS USING PLATELET-RICH FIBRIN
 VERSUS INDUCED BLEEDING: A RANDOMIZED CLINICAL TRIAL
 L. Awawdeh
- R162 LONG-TERM CLINICAL OUTCOMES OF REGENERATIVE ENDODONTIC TREATMENT WITH TAILORED FOLLOW-UP CARE: A PROSPECTIVE COHORT STUDY Y.1. Yoo
- R163 THE IMPACT OF ROOT CANAL TREATMENT AND PERIAPICAL DESTRUCTION ON MARGINAL BONE LOSS IN PATIENTS WITH MARGINAL PERIODONTITIS D. Sebring
- R164 1201 VERTICAL ROOT FRACTURES, A DOZEN YEARS LARGE-SCALE INVESTIGATION: A RETROSPECTIVE STUDY Y. Shimon

- R165 IMPACT OF REPEATED USE ON THE CYCLIC FATIGUE RESISTANCE OF PROTAPER ULTIMATE FILES

 S. Kwak
- R166 POTENTIAL RISK OF REPETITIVE AUTOCLAVING FOR MULTIPLE-USE ON CYCLIC FATIGUE RESISTANCE OF HEAT-TREATED NITI INSTRUMENTS

 H. Khidr
- R167 THE REAL-TIME MEASUREMENT OF THE FORCE AND TORQUE OF THREE ENDOMOTORS: AN IN-VITRO STUDY B. Ozel
- R168 A SEM INSIGHT OF NICKEL-TITANIUM ENDODONTIC FILES FRACTURE PREDICTED BY ACOUSTIC EMISSION

 J. Davril
- R170 IN VITRO MECHANICAL TESTS OF NEW ROTARY INSTRUMENTS: A COMPARATIVE EVALUATION V. Vincenzi
- R171 A COMPARISON BETWEEN CLINICAL OPERATIVE TORQUE AND IN VITRO TORSIONAL RESISTANCE

 G. Gambarini
- R172 ABILITY OF APEX LOCATOR INTEGRATED ENDODONTIC MOTORS IN PRESERVING THE APICAL CONSTRICTION: A MICRO-CT STUDY Z. Shirazi
- R173 COMPARISON OF THE SHAPING ABILITY AND PERFORMANCE OF CONTEMPORARY INSTRUMENTS: PROTAPER ULTIMATE® VERSUS EDGETAPER PLATINUM P. Riaza Solis



RESEARCH POSTERS

- R174 MULTIPLE STERILIZATION AND INSTRUMENTATION CYCLES REDUCE ROTARY FILES' CUTTING EFFICIENCY
 S. Jambi
- R175 IN VIVO EVALUATION OF THE ACCURACY OF THE TRI AUTO ZX2 MOTOR WITH OPTIMUM TORQUE REVERSE INSTRUMENTATION AND AUTO APICAL REVERSE CONTROL U.X. da Silva Neto
- R176 A CLINICAL APPROACH USING TEETH ALREADY SCHEDULED FOR EXTRACTION TO VALIDATE AN IN VITRO METHOD TO ASSESS THE PERFORMANCE OF THE EALS M. Herkenhoff Carestiato

- R177 ANTIMICROBIAL EFFECT OF 2.5 % SODIUM HYPOCHLORITE BOOST WITH THE 445 NM DIODE LASER A PROOF OF CONCEPT

 I. Medvedec Mikic
- R178 MICRO-CT EVALUATION OF THE SHAPING ABILITY OF PROTAPER ULTIMATE AND WAVEONE GOLD IN MODERATELY CURVED CANALS

 J.H. Tan
- R179 THE INFLUENCE OF APICAL ENLARGMENT ON THE DANGER ZONE DENTIN THICKNESS OF THE MESIAL ROOT CANALS OF MANDICULAR FIRST MOLARS S. Moura Furtado
- R180 EFFECT OF DIFFERENT APICAL ACTIONS ON POSTOPERATIVE PAIN M. Tulgar
- R181 IMPACT OF HEAT TREATMENTS ON THE MECHANICAL PROPERTIES OF 50.8%NI-NITI ALLOY WIRES: A LABORATORY STUDY M. Izart
- R182 A COMPARATIVE CUTTING EFFICIENCY TESTING ON TWO DIFFERENT NITI SEQUENCES

 R. Castagnola
- R183 IN VITRO EVALUATION OF NEW ENDODONTIC INSTRUMENTS N.M. Grande
- R184 EVALUATION OF ROOT FRACTURE RESISTANCE OF ENDODONTICALLY TREATED HUMAN TEETH
 O. Mahmoud
- R185 PHYSICOCHEMICAL AND MECHANICAL PROPERTIES OF VARIOUS RATIOS OF HYDROXYAPATITE-INCORPORATED PROPOLIS AS A POTENTIAL PULP-CAPPING MATERIAL

 N.A. Ramlan
- R186 IN VIVO IMMUNOHISTOLOGICAL EVALUATION OF THE ANTIBACTERIAL ACTION AND BIOCOMPATIBILITY OF A COPPER-BASED NANOSTRUCTURED MEDICATION IN AN ENDODONTIC REGENERATION MODEL G. Sánchez-Sanhueza



RESEARCH POSTERS

CLUSTER 5

- R187 A LABORATORY-FORMULATED HYDROGEL AS A POTENTIAL SOLUTION FOR AVULSED TEETH PRIOR REPLANTATION

 A. Kostenkova
- R188 CLINICAL TIPS FOR SAFE AND EFFECTIVE ROOT CANAL TREATMENT UNDER INTRAVENOUS SEDATION WITH MIDAZOLAM

 A. Bakhsh
- R189 PULP CHAMBER DIMENSIONS AND VOLUME OF PERMANENT FIRST MOLARS IN INDIVIDUALS WITH DIFFERENT ANTEROPOSTERIOR SKELETAL PATTERNS R.A. Ba Hattab
- R190 BIOCHEMICAL, HEMATOLOGICAL, ELEMENTAL, AND HISTOLOGICAL ANALYSES IN WHOLE BLOOD AND ORGANS OF HEALTHY AND PERIAPICAL LESION-INDUCED ANIMALS: A COMPARATIVE STUDY

 A. Leutz
- R191 DETECTION, IDENTIFICATION AND DISTRIBUTION OF THE NERVE SYSTEM AROUND AND WITHIN PERIAPICAL CYSTS; AN IMMUNOHISTOCHEMICAL STUDY *T. Kontogiannis*
- R192 THE MANAGEMENT OF PULP EXPOSURES AMONG GENERAL DENTAL PRACTITIONERS AND SPECIALISTS IN SINGAPORE E. Ng
- R193 REGULATORY MECHANISMS AND THERAPEUTIC IMPLICATIONS OF DDR1 IN EXTERNAL ROOT RESORPTION PROGRESSION VIA MITOCHONDRIAL BIOGENESIS Y. Wang
- R195 EVALUATION AND COMPARISON OF ENDODONTIC TREATMENT QUALITY
 AND MISHAPS PERFORMED DURING PRIMARY ENDODONTIC TREATMENT BY
 UNDERGRADUATE DENTAL STUDENTS, GENERAL DENTAL PRACTITIONERS AND
 ENDODONTISTS
 S. Vorobiov
- R196 COLOUR CHANGE OF TEETH FOLLOWING APPLICATION OF RUBBER DAM FOR UP TO 240 MINUTES

 J. Ebert
- R197 IMMEDIATE PRE-ENDODONTIC DENTIN SEALING (IPDS): ENHANCING BOND STRENGTH AND DENTIN INTEGRITY

 L.F. Papp

- R198 CAN DIABETES INFLUENCE THE ENDODONTIC INFECTION STATUS RELATED TO THE PATTERN OF APICAL PERIODONTITIS?

 F. Andrade
- R199 MAPPING OF GLOBAL RESEARCH IN ENDODONTICS FROM 2004 TO 2023: A BIBLIOMETRIC ANALYSIS

 K. Al Fouzan
- R200 DETERMINANTS OF POST-OPERATIVE PAIN AND QUALITY OF LIFE FOLLOWING ROOT CANAL TREATMENT: A PROSPECTIVE CLINICAL STUDY N. Ahmad Fuad



RESEARCH POSTERS

- R201 A DECISION-ANALYTIC APPROACH COMPARING THE COSTS ASSOCIATED WITH TWO DIFFERENT ENDODONTIC RETREATMENT DECISION-MAKING CONCEPTS IN SWEDEN

 M. Granevik Lindstrom
- R202 WHITE PETROLATUM AS A POTENTIAL VEHICLE FOR TRIPLE ANTIBIOTIC PASTE: PHYSICOCHEMICAL ASSESSMENT

 N.H. Jamaludin
- R203 COLD PULP TESTING IN THE NATIONAL DENTAL PBRN: DIAGNOSTIC ACCURACY AND INFLUENCING FACTORS

 M. Pigg
- R204 VALIDITY AND RELIABILITY OF A NEWLY DEVELOPED ENDODONTIC ANXIETY SCALE

 P. Patel
- R205 COMPARISON OF ANTIBIOTIC PRESCRIPTION PATTERNS FOR MANAGING DENTAL PAIN ACROSS DIFFERENT HEALTHCARE PROFESSIONALS

 J. Miguel Spínola



EDUCATIONAL POSTERS

THURSDAY, 4TH SEP. 2025

O EDUCATIONAL POSTERS AREA (LEVEL D)	<u>()</u> 13:15-14:30
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- EP01 THE EFFECT OF HANDS-ON TRAINING ON DENTAL STUDENTS' STRESS, CONFIDENCE, AND PERFORMANCE OF COMPLETE PULPOTOMY S. Zahran
- EP02 LEVERAGING LARGE LANGUAGE MODELS IN THE DELIVERY OF POST-OPERATIVE DENTAL CARE: A COMPARISON BETWEEN AN EMBEDDED GPT MODEL AND CHATGPT

 I. Batool
- EP03 UNDERGRADUATE DENTAL STUDENTS' CONFIDENCE AND ANXIETY LEVELS IN ENDODONTICS: DOES CLINICAL EXPERIENCE MATTER?

 A. Yolacan
- EP04 OBSERVATION-BASED LEARNING IN ENDODONTICS: EFFECTS ON SELF-CONFIDENCE AND CLINICAL READINESS Y. Yilmaz
- EP05 USE OF 3D SIMULATED TOOTH AND PULP MODELS FOR VITAL PULP THERAPY TRAINING

 R. Seet
- EP06 THE IMPACT OF CASE-BASED LEARNING (CBL) ON UNDERGRADUATE DENTAL STUDENTS PERCEPTION OF CONFIDENCE IN PERFORMING ENDODONTIC TREATMENT

 T. Horgan
- EP07 EVALUATION OF THE APPROACHES OF DIFFERENT SPECIALTIES AND ARTIFICIAL INTELLIGENCE SYSTEMS ON TRAUMATIC DENTAL INJURIES G.Z. Sahin
- EP08 DIGITAL TOOLS AND ARTIFICIAL INTELLIGENCE IN ENDODONTIC EDUCATION A. Tsilimidou
- EP09 LAUNCHING OF SIMPLIFIED ENDODONTIC PROGNOSTIC AND CASE DIFFICULTY ASSESSMENT FORMS FOR GENERAL DENTAL PRACTITIONERS

 R. Pesonen

FRIDAY, 5TH SEP. 2025

O EDUCATIONAL POSTERS AREA (LEVEL D) () 13:15-14:30

- EP10 DOES THE USE OF A TMD SCREENING TOOL AID IN THE DIAGNOSIS OF TEMPOROMANDIBULAR DISORDER IN ENDODONTIC PATIENTS? K. Hartley
- EPII CHATBOT VERSUS LECTURE IN THE TEACHING OF ENDODONTIC DIAGNOSIS FOR UNDERGRADUATE

 M. Coelho

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EDUCATIONAL POSTERS

- EP12 ASSESSMENT OF 3D-PRINTED ENDODONTIC TRAINING MODELS IN PRECLINICAL EDUCATION: A STUDENT PERSPECTIVE Z.C. Sanap
- EP13 ARTIFICIAL INTELLIGENCE IN ENDODONTIC EDUCATION: A REVIEW OF AI-DRIVEN LEARNING AND DECISION SUPPORT TOOLS

 E. Minteh Jaiteh
- EP14 PERCEPTIONS OF UNDERGRADUATE AND POSTGRADUATE STUDENTS
 REGARDING A COST-EFFECTIVE 3D-PRINTED SIMULATOR FOR ENDODONTIC
 MICROSURGERY
 M. Izart
- EP15 EXPLORING THE INFLUENCE OF MUSIC ON ANXIETY CHANGES AND TASK PERCEPTION IN SIMULATION PRACTICE: A STUDENT-REPORTED STUDY C. Kuden
- EP16 CONFIDENCE THROUGH CONVERSATION: ENHANCING PRE-SURGICAL COUNSELLING IN ENDODONTIC MICROSURGERY VIA ROLE-PLAY SIMULATION P.Y. Chan
- EP17 ASSESSMENT OF RADIOGRAPHIC ERRORS AND REPETITION RATE IN UNDERGRADUATE ENDODONTIC EDUCATION: A RETROSPECTIVE CLINICAL STUDY A.R. Saleh
- EP18 IDENTIFICATION AND IMPLEMENTATION OF THRESHOLD CONCEPTS IN THE UNDERGRADUATE EDUCATION IN ENDODONTOLOGY V. Dawson

SATURDAY, 6TH SEP. 2025

- O EDUCATIONAL POSTERS AREA (LEVEL D) (13:15-14:30)
- EP19 EFFECT OF MASTER APICAL FILE RADIOGRAPHS ON SINGLE CONE HYDRAULIC ROOT CANAL FILLING BY PREDOCTORAL STUDENTS: A DOUBLE-BLINDED STUDY E. Balaban
- EP21 ENHANCING CLINICAL REASONING IN ENDODONTICS: A REVIEW OF CASE-BASED LEARNING AND DIGITAL COLLABORATIVE PLATFORM

 B. Doumari
- EP22 ECO-CONSCIOUS ENDODONTICS: EVALUATING ENVIRONMENTAL SUSTAINABILITY CURRENT PRACTICE, KNOWLEDGE AND BARRIERS IN POSTGRADUATE ENDODONTICS PROGRAMS

 A. Alhamdan
- EP23 DIGITAL LEARNING STRATEGY DURING COVID SURVEY AMONG 4TH YEAR DENTAL STUDENTS IN CASABLANCA S. Dhoum
- EP24 ORAL HEALTH KNOWLEDGE AND BEHAVIOUR AMONG MEDICAL AND DENTAL STUDENTS AT THE UNIVERSITY OF LJUBLJANA

 J. Jan



EDUCATIONAL POSTERS

- EP25 A DIGITAL PLATFORM TO ASSESS TECHNICAL OUTCOMES OF ENDODONTIC TREATMENT AND PATIENT EXPERIENCE

 N. Hamadelneil
- EP26 AN EVALUATION OF THE CURRENT STATUS OF ENDODONTIC EDUCATION IN THE UK: A CROSS-SECTIONAL SURVEY OF NEW GRADUATES AND THEIR EDUCATIONAL SUPERVISORS

 D. Kavanagh
- EP27 THE MOST IMPORTANT FACTORS INFLUENCING SELF-ESTEEM, CONFIDENCE AND EFFECTIVENESS IN ENDODONTIC TREATMENT AMONG DENTISTRY STUDENTS DURING FINAL YEARS OF THEIR EDUCATION

 M. Sitarz



CLINICAL POSTERS SESSION

THURSDAY, 4TH SEP. 2025

0

CLINICAL POSTERS AREA (LEVEL D)

() 13:00-14:30

STATION 1

- CP002 SELECTIVE RETREATMENT OF TOOTH 2.7: A CBCT-GUIDED APPROACH WITH MICROBIOLOGICAL AND PROGNOSTIC CONSIDERATIONS

 E. Minteh Jaiteh
- CP003 GUIDED ENDODONTICS: A PROMISING TREATMENT FOR APICAL PATHOLOGY IN SEVERELY OBLITERATED TEETH

 N. Van Caeneghem
- CP004 BRAVE NEW REALITY VIRTUAL REALITY ASSISTED PREOPERATIVE
 VISUALIZATION AND CONSECUTIVE PLANNING FOR A SURGICAL REPAIR OF AN
 EXTERNAL CERVICAL RESORPTION
 F. Beck
- CP005 EXPERIENCE WITH X-GUIDE DYNAMIC NAVIGATION SYSTEM IN ENDODONTIC MICROSURGERY AND AUTOTRANSPLANTATION: A CASE SERIES C. Osorio Alfaro
- CP008 CLINICAL CASE SERIES: MICROSURGERY IN TEETH WITH PERSISTENT APICAL LESIONS

 A. Poli Harlowe
- CP009 DIAGNOSING ROOT FRACTURES IN ENDODONTICALLY TREATED TEETH USING CONE BEAM COMPUTED TOMOGRAPHY A CASE SERIES J. Kim
- CP010 COMBINED NON-SURGICAL AND SURGICAL MANAGEMENT OF A MAXILLARY LATERAL INCISOR FUSED TO A SUPERNUMERARY TOOTH R. Dakar

- CP012 SURGICAL MANAGEMENT OF A TWO-ROOTED MAXILLARY LATERAL INCISOR USING A MULTIDISCIPLINARY APPROACH: A CLINICAL CASE REPORT M. Merzioti
- CP013 CHALLENGING CASES IN ENDODONTICS: SUCCESSFUL TREATMENT OF HORIZONTAL ROOT FRACTURES TWO CASE REPORTS

 T. Keles
- CP014 MANAGEMENT OF TRAUMATIC DENTAL AND SOFT TISSUE INJURY: A CASE REPORT
 S. Elpe
- CP015 ENDODONTIC DIAGNOSIS AND MANAGEMENT OF A MAXILLARY SECOND MOLAR WITH PARASTYLE E. Sakellaridi
- CP016 CLINICAL APPROACH OF EXTENSIVE PERIAPICAL LESION: CASE REPORT J. Araujo Carvalho



CLINICAL POSTERS SESSION

- CP018 CEMENTAL TEAR: DIAGNOSTIC AND TREATMENT CHALLENGES

 N. Ahmad Fuad
- CP019 NON-HODGKIN LYMPHOMA AND POTENTIAL MIS-DIAGNOSIS IN ENDODONTICS:
 A CASE REPORT
 M. Gioti
- CP020 THE EFFECT OF IRRIGATION ACTIVATION TECHNIQUES ON PERIAPICAL HEALING: A CASE SERIES WITH SINGLE-VISIT RETREATMENT S. Bulak Yeliz
- CP021 SODIUM HYPOCHLORIDE EXTRUSION ACCIDENTS: MANAGMENT OF TWO CLINICAL CASES

 M. Siatira
- CP022 A SHRAPNEL INJURY AS A CAUSE OF AN OBLIQUE ROOT FRACTURE S. Argaman

- CP023 ENDODONTIC MANAGEMENT OF GEMINATION: BENEFITS OF DIGITAL TOOLS IN DENTAL ANOMALY TREATMENT

 V. Puloc'h
- CP024 MICROSURGICAL APPROACH FOR A SEVERELY COMPROMISED MAXILLARY PREMOLAR: AN ALTERNATIVE TO EXTRACTION AND IMPLANT PLACEMENT *I. Pestov*
- CP025 MANAGEMENT OF LATERAL LUXATION INJURY OF THE MAXILLARY CENTRAL INCISORS: A CASE REPORT

 R. Hellyn
- CP026 MANAGEMENT OF DENTES INVAGINATI TYPE IIIA OF TWO MAXILLARY 2ND MOLARS RESPONSIBLE FOR CHRONIC MAXILLARY SINUSITIS C. Klein
- CP027 A CLINICAL PRESENTATION AND NON-SURGICAL TREATMENT PROTOCOL FOR AN IMMATURE CONICAL LATERAL INCISOR WITH DENS INVAGINATUS TYPE II MALFORMATION

 L. Jackson
- CP028 NON-SURGICAL TREATMENT OF A LARGE LATERAL PERFORATION IN THE APICAL THIRD: A CASE REPORT

 S. Jazmawi
- CP029 MANAGEMENT OF A STRIP PERFORATION COMPLICATION IN ENDODONTIC RETREATMENT OF MAXILLARY ANTERIOR TEETH WITH PERIAPICAL LESIONS: A CASE REPORT

 B. Akdana
- CP030 MANAGEMENT OF DEEP ROOT PERFORATIONS (ADVANCED TECHNIQUE)

 S. Heranin
- CP031 MANAGEMENT OF MULTIPLE PERFORATIONS IN A RETREATMENT CASE: A CLINICAL REPORT

 E. Yenipinar



CLINICAL POSTERS SESSION

- CP032 APICOECTOMY OF A MANDIBULAR LATERAL INCISOR WITH PERSISTENT PERIRADICULAR DISEASE: A CASE REPORT K. Jeonghee
- CP033 ENDODONTIC AND SURGICAL MANAGEMENT OF A MAXILLARY SECOND MOLAR WITH A TRIFID CROWN C. Kuo

STATION 4

- CP034 SALVAGE THROUGH ENDODONTIC SURGERY: A CASE REPORT ON EFFECTIVE MANAGEMENT

 A.C. Banica
- CP035 ENDODONTIC AND PERIODONTAL CONSIDERATIONS FOR SPLINTING PERIODONTALLY COMPROMISED TRAUMATIZED TEETH: A CASE REPORT R. Hailu
- CP036 HEALING OF LESIONS WITH NON-SURGICAL RETREATMENT AFTER FAILED ENDODONTIC APICAL SURGERY: A CASE REPORT K.M. Colak
- CP037 LONG-TERM OUTCOMES OF ROOT BUCCAL PERFORATION MANAGEMENT:
 A 6-YEAR FOLLOW-UP CASE SERIES
 A. Karkle
- CP038 ENDODONTIC MANAGEMENT OF DENS INVAGINATUS USING BIODENTINE:
 A CASE REPORT
 B. Na Young
- CP039 USE OF MTA IN ENDODONTIC RETREATMENT: A CLINICAL APPROACH IN TOOTH 21 M.I. Coutinho
- CP040 EFFECT OF BIOCERAMIC SEALER EXTRUSION: CASE REPORT OF A MAXILLARY CENTRAL INCISOR

 L.F. Papp
- CP041 MANAGEMENT OF A LARGE PERIAPICAL LESION PERFORMING BIODENTINE PLUG AND ROOT CANAL TREATMENT: A CASE REPORT E.B. Dolak
- CP042 APICAL RESECTION WITH MTA RETROGRADE FILLING: A CASE REPORT ON TRAUMA-INDUCED PERIAPIKAL LESION

 G.Y. Almali
- CP043 ADVANCED BIOMATERIAL STRATEGY FOR RESTORING DAMAGED ENDODONTICALLY TREATED TEETH: FOCUS ON POST PLACEMENT E. Caussin
- CP044 PULPOTOMY WITH MTA IN A MATURE TOOTH DIAGNOSED WITH SYMPTOMATIC IRREVERSIBLE PULPITIS A CASE REPORT

 R. Alharbi

STATION 5

CCP045 THE ENDODONTIC MANAGEMENT OF A DILATED ODONTOMA: A CASE REPORT A. Omrani



CLINICAL POSTERS SESSION

- CP046 PRESERVATION OF C-SHAPED MANDIBULAR SECOND MOLARS USING INTENTIONAL REPLANTATION
 S. Lee
- CP047 MANAGEMENT OF COMPLICATED TOOTH FRACTURE TRAUMA: CVEK AMPUTATION and RE-ATTACHMENT PROCEDURE A.I. Koroglu
- CP048 REATTACHMENT OF A COMPLICATED CROWN-ROOT FRACTURE WITH FIBER POST: A CASE REPORT

 F.B. Dedeoglu
- CP049 PRESERVATION OF MAXILLARY ANTERIOR TEETH BY SURGICAL EXTRUSION AFTER CROWN-ROOT FRACTURE: A CASE SERIES

 K.F. Wilms
- CP050 A CASE OF HORIZONTAL ROOT FRACTURE AFTER ROOT CANAL TREATMENT OF A TOOTH WITH A HISTORY OF DENTAL TRAUMA

 Y. Okada
- CP051 TREATMENT OF MANDIBULAR PREMOLARS WITH DIFFERENT ROOT CANAL ANATOMY: TWO CASE REPORTS

 Z.B. Dag
- CP052 ATYPICAL ROOT ANATOMY A CASE REPORT DEMONSTRATING VARIANT ANATOMY OF THE POSTERIOR SUPERIOR ALVEOLAR CANAL IMPACTING ENDODONTIC TREATMENT OF A MAXILLARY FIRST MOLAR *R. Applegarth*
- CP053 SELECTIVE TREATMENT OF DENS INVAGINATUS TYPE III A. CASE REPORT G. Hernandez
- CP054 DOUBLE TROUBLE: CHRONIC APICAL ABSCESS WITH DUAL SINUS TRACTS H.N. Boyacioglu

FRIDAY, 5TH SEP. 2025

CLINICAL POSTERS AREA (LEVEL D)

(1) 13:00-14:30

STATION 1

- CP055 C-SHAPED CANAL CONFIGURATION WITH AN INDEPENDENT DISTOLINGUAL ROOT IN A MANDIBULARSECOND MOLAR: CHALLENGES IN ENDODONTIC THERAPY

 X. Zou
- CP056 NON-SURGICAL ENDODONTIC TREATMENT OF MANDIBULAR FIRST MOLARS WITH THREE MESIAL CANALS: A CASE REPORT J. Ko
- CP057 ENDODONTIC MANAGEMENT OF A THREE-CANALLED MANDIBULAR SECOND PREMOLAR A CASE REPORT H. Hasar

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CLINICAL POSTERS SESSION

- CP058 MANAGEMENT OF ENDODONTIC FILE SEPARATED IN SEVERE APICAL CURVATURE OF ROOT CANAL J. Stasic
- CP059 REMOVAL OF BROKEN INSTRUMENTS FROM ROOT CANAL: TWO CASE REPORTS R. Oguz
- CP061 NON-SURGICAL RETREATMENT OF A MANDIBULAR MOLAR WITH FRACTURED INSTRUMENTS: A CASE REPORT

 C. Büyüktas
- CP062 CLINICAL MANAGEMENT OF FIBER POST REMOVAL USING DIAMOND ULTRASONIC TIPS- A CASE REPORT

 A. Alquraishi
- CP063 FRACTURED ENDODONTIC FILE REMOVAL FROM MAXILLARY PREMOLAR A. Vesic
- CP064 REMOVAL OF TWO SEPARATED ENDODONTIC INSTRUMENTS WITH SUBSEQUENT APICAL HEALING AND DEVELOPMENT OF A NEW PATHOSIS: A CASE REPORT I. Osinska

- CP066 FOUR-YEAR JOURNEY OF REPLACEMENT RESORPTION AND ITS MANAGEMENT– A CASE REPORT B. Fatima
- CP067 ENDODONTIC MANAGEMENT OF INTERNAL RESORPTION IN THE DISTAL ROOT OF MANDIBULAR FIRST MOLAR: A CASE REPORT

 A. Avsar
- CP068 MANAGEMENT OF A PRE-ERUPTIVE INTRACORONAL RESORPTION (PEIR) NEAR THE PULP IN A PERMANENT LOWER PREMOLAR: A CASE REPORT A. Esteban Pardo
- CP069 SCAFFOLD-BASED APPROACHES IN REGENERATIVE ENDODONTICS: A CASE SERIES

 H. Korucu
- CP070 EFFECTIVENESS OF VITAL PULP THERAPY VS ROOT CANAL TREATMENT IN THE MANAGEMENT OF PAIN IN CASES OF IRREVERSIBLE PULPITIS: A CASE SERIES *M. Moysiadou*
- CP071 REVASCULARISATION OF AN IMMATURE UPPER PREMOLAR IN THE APICAL PART H. Haueisen
- CP072 LASER-ASSISTED PULP REGENERATION IN AN IMMATURE PERMANENT TOOTH WITH PERIAPICAL PERIODONTITIS: A CASE REPORT

 L. Zhen
- CP074 REVITALIZATION AND PARTIAL PULPOTOMY OF A DENS INVAGINATUS TYPE III WITH APICAL PERIODONTITIS

 C. Diegritz
- CP075 REGENERATIVE ENDODONTIC TREATMENT OF A NECROTIC MATURE TOOTH AND A PREVIOUSLY TREATED TOOTH WITH PERIAPICAL LESIONS: REPORT OF TWO CASES Z.Y. Ozdemir Tekin



CLINICAL POSTERS SESSION

CP076 REVASCULARIZATION PROCEDURE IN TOOTH WITH NECROTIC PULP I. Milanovic

STATION 3

- CP077 MANAGEMENT OF MAXILLARY CENTRAL INCISOR FRACTURE USING ORTHODONTIC EXTRUSION

 Y. Kana
- CP078 TREATMENT OF LARGE PERIAPICAL LESIONS CAUSED BY TRAUMA: A CASE REPORT

 S. Isaaglu Bulut
- CP079 MULTIDISCIPLINARY APPROACH TO A DENTOALVEOLAR TRAUMA: A CASE REPORT
 S. Sarioglu
- CP080 UNCONVENTIONAL YET FUNCTIONAL TREATMENT OF DENTAL TRAUMA A CASE REPORT AFTER 15 YEARS

 E. Maier
- CP081 DECORONATION PROCEDURE FOLLOWING COMPLICATIONS AFTER AVULSION OF A CENTRAL INCISOR

 A. Perez Tomas
- CP082 TRAUMATIC DENTAL INJURY: MANAGEMENT OF COMBINED AVULSION AND APICAL ROOT FRACTURE IN A PERMANENT CENTRAL INCISOR P. Herrmann
- CP083 CONSERVATIVE MANAGEMENT OF COMBINED CROWN-ROOT AND ROOT FRACTURES IN A 17-YEAR-OLD PATIENT: A FRAGMENT BONDING STRATEGY TO DELAY TOOTH REPLACEMENT J. Po
- CP084 LORID CEMENTO-OSSEOUS DYSPLASIA MISDIAGNOSIS WITH MULTIPLE ROOT PERFORATIONS ON LOWER INCISORS-A CASE REPORT V. Krenker
- CP085 SPLENDORE-HOEPPLI PHENOMENON IN APICAL ACTINOMYCOSIS: 2-YEAR FOLLOW-UP

 A. Jara-Cifuentes
- CP086 IMPLANT AS THE FATE OF IMPROPER RESTORED ROOT CANAL TREATED TOOTH D. Ozcan

- CP088 CBCT IN ROOT RESORPTION: A KEY TOOL FOR TREATMENT PLANNING DESPITE DIAGNOSTIC CHALLENGES

 M. Volovich
- CP089 CLINICAL MANAGEMENT OF A RECURRENT EXTERNAL CERVICAL RESORPTION:
 CASE REPORT
 N. Ferraro
- CP090 EXTERNAL CERVICAL RESORPTIONS IN MAXILLARY CANINES K. Hofpeter



CLINICAL POSTERS SESSION

- CP091 MANAGEMENT OF EXTERNAL CERVICAL RESORPTION: A CASE REPORT D. Joffe-Sokolova
- CP092 MANAGEMENT OF INVASIVE CERVICAL ROOT RESORPTION: ENDODONTIC AND SURGICAL APPROACH

 L. Schuster
- CP094 ENDODONTIC RETREATMENT OF A MANDIBULAR SECOND MOLAR WITH INTERNAL RESORPTION AND A MISSED MID-MESIAL CANAL: A CASE REPORT *Y.T. Altinova*
- CP094 CLASS 2BP EXTERNAL CERVICAL RESORPTION INTERNAL REPAIR AND ROOT CANAL TREATMENT OF A MAXILLARY MOLAR

 W. Leontiev
- CP095 MANAGEMENT OF ADVANCED INTERNAL INFLAMMATORY ROOT RESORPTION:
 A COMBINED NON-SURGICAL AND SURGICAL APPROACH A CASE REPORT
 H. Samarah
- CP096 INTEGRATED SURGICAL AND NON-SURGICAL MANAGEMENT OF EXTERNAL ROOT RESORPTION: AN 8-YEAR FOLLOW-UP CASE REPORT

 M. Howait
- CP097 EXTENSIVE INTERNAL AND REPLACEMENT ROOT RESORPTION OF MAXILLARY INCISORS FOLLOWING REPEATED TRAUMA

 K. Simrok
- CP098 MANAGEMENT OF INVASIVE CERVICAL RESORPTION THROUGH ENDODONTIC AND SURGICAL TREATMENT A CASE REPORT S. Jovanovic

- CP099 MANAGEMENT OF A SEVERE CORONO-RADICULAR DILACERATION WITH APICOECTOMY: A FIVE-YEAR FOLLOW-UP CASE REPORT M. Ordonneau
- CP100 SUCCESSFUL HEALING FOLLOWING ENDODONTIC TREATMENT OF AN AUTOTRANSPLANTED THIRD MOLAR: A CLINICAL CASE REPORT *K. Silina*
- CP101 MANAGEMENT OF A COMPLICATED CROWN-ROOT FRACTURE USING THE BENEX EXTRACTION SYSTEM: A CASE REPORT

 L. Jancic
- CP102 INTENTIONAL REPLANTATION OF MANDIBULAR SECOND MOLAR WITH ASYMPTOMATIC APICAL PERIODONTITIS: A CASE REPORT Y.C. Liao
- CP103 INTENTIONAL REPLANTATION AS TREATMENT OPTION FOR INVASIVE CERVICAL RESORPTION

 J. Neskovic
- CP104 CLINICAL EFFICACY OF INTENTIONAL REPLANTATION FOR PRESERVATION OF NATURAL DENTITION IN A COMPLEX ENDODONTIC SCENARIO FOLLOWING UNSUCCESSFUL RETREATMENT: A 12-MONTH FOLLOW-UP CASE REPORT H. Kussever



CLINICAL POSTERS SESSION

- CP105 INTENTIONAL REPLANTATION OF AN ENDODONTICALLY TREATED TOOTH (RESUBMISSION)

 D. Rosiou
- CP106 PALATOGINGIVAL GROOVE: ENDODONTIC-INTENTIONAL REIMPLANTATION MANAGEMENT A CASE REPORT H.N. Tosunoglu
- CP107 INTENTIONAL REIMPLANTATION 47

 K. latridis
- CP108 ENDODONTIC MANAGEMENT OF AUTOTRANSPLANTED THIRD MANDIBULAR MOLAR: 6 YEARS FOLLOW-UP

 A.G. Gheorghe
- CP109 TREATMENT OF SEVERE EXTRUSIVE LUXATION TWO CASES WITH ONE-YEAR FOLLOW-UP

 E. Ohlsson

SATURDAY, 6TH SEP. 2025

O CLINICAL POSTERS AREA (LEVEL D) U 13:00-14:30

STATION 1

- CP110 MANAGEMENT OF A SEVERE (S) SHAPED CENTRAL INCISOR WITH OPEN APEX USING CALCIUM SILICATE PUTTY

 Y. Almaddah
- CP111 NONSURGICAL ROOT CANAL THERAPY FOR LARGE CYST-LIKE INFLAMMATORY PERIAPICAL LESION
 S. Dogan
- CP112 DIVERGENCE REVERSIBILITY OF ROOT ADJACENT TO AN ENDODONTIC ORIGINE RADIOLUCENT AREA. A CASE SERIES AND A PROPOSED MECHANISM M. Assouline
- CP113 TREATMENT OF LARGE PERIAPICAL LESIONS WITH NON-SURGICAL ENDODONTIC TREATMENT: CASE SERIES

 A.G. Ozalp
- CP114 CLINICAL AND RADIOGRAPHIC EVALUATION OF NON-SURGICAL ROOT CANAL TREATMENT IN THE HEALING OF PERIAPICAL LESIONS: A CASE SERIES C. Esmer
- CP115 HEALING OF LARGE PERIAPICAL LESIONS: A NON-SURGICAL ENDODONTIC TREATMENT APPROACH; 2 CASE REPORTS

 A. Alsaeed
- CP117 ENDODONTIC MANAGEMENT IN POSTCOVID SECONDARY ADRENAL INSUFFICIENCY: A CASE REPORT

 N. Vovk
- CP118 COMPLEX ENDODONTIC MANAGEMENT IN A CASE OF CHRONIC APICAL PERIODONTITIS, CHRONIC APICAL ABSCESS, AND EXTRAORAL SINUS TRACT

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CLINICAL POSTERS SESSION

- BACKGROUND: CHRONIC APICAL PERIODONTITIS (CAP) AND CHRONIC APICAL ABSCESS

 M. Saleh
- CP119 SUCCESSFUL HEALING OF LARGE PERIRADICULAR LESION A CASE REPORT D. Manojlovic
- CP121 MULTIMODAL TREATMENT OF MULTI-SURFACE ROOT RESORPTION: A CASE PRESENTATION

 B.S. Kaymaz

STATION 2

- CP122 COMPREHENSIVE EMERGENCY MANAGEMENT OF ACUTE APICAL ABSCESS: TWO CASE REPORTS

 M. Gunduz
- CP123 DENS EVAGINATUS IN TWO ADJACENT MANDIBULAR PREMOLARS: A CASE REPORT

 Y. Andreani
- CP124 ENDODONTIC TREATMENT OF UPPER LATERAL INCISOR TOOTH WITH DENS IN DENTE: A CASE REPORT S. Sevgi
- CP125 ROOT CANAL VARIATIONS OF MANDIBULAR INCISORS : CASE SERIES W. Kassamany
- CP126 NON-SURGICAL MANAGEMENT OF TYPE II DENS INVAGINATUS IN A MAXILLARY LATERAL INCISOR: A CASE REPORT

 E. Orman
- CP127 DENS INVAGINATUS CLINICAL TREATMENT MANAGEMENT: A CASE REPORT B.A. Erdem
- CP128 CHANGES IN TOOTH VITALITY AFTER TRAUMA: FROM NEGATIVE TO POSITIVE E. Akpolat
- CP129 TREATMENT OF MANDIBULAR PREMOLAR WHICH CAUSED SWELLING, NUMBNESS OF LOWER LIP S.Y. Ulusal
- CP130 SINGLE-VISIT ENDODONTIC AND RESTORATIVE TREATMENT WITH DIGITAL WORKFLOW ON PERMANENT MOLARS IN CHILDREN: A CASE SERIES M. Sahutogullari
- CP132 ONE-SESSION TREATMENT OF A NECROTIC UPPER PREMOLAR WITH EXTERNAL INFLAMMATORY ROOT RESORPTION: A CASE REPORT H. Öksüzoglu

STATION 3

- CP133 CASES OF UNFAVORABLE OUTCOMES IN SELECTIVE ENDODONTIC TREATMENT R. Prialgauske
- CP134 ROOT AND ROOT CANAL MORPHOLOGY IN MANDIBULAR PREMOLARS: A CASE SERIES

 L. Hasbini

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CLINICAL POSTERS SESSION

- CP135 DOUBLE DENS INVAGINATUS AND PULP STONE IN MAXILLARY CENTRAL INCISOR L. Kriznar
- CP136 ROOT CANAL TREATMENT OF MAXILLARY SECOND MOLAR WITH 5 CANALS INCLUDING 2 PALATAL ROOTS

 M.J. Kim
- CP137 NON-SURGICAL RETREATMENT OF A MAXILLARY CENTRAL INCISOR WITH UNUSUAL CANAL ANATOMY: A CASE REPORT Y.E. Cakmak
- CP138 ENDODONTIC TREATMENT OF BRANCHING ROOT MANDIBULAR PREMOLARS:
 A CASE REPORT
 M. Kahramanlar
- CP139 SUPERNUMERARY FUSED TOOTH WITH APICAL PERIODONTITIS:
 A CONSERVATIVE TREATMENT APPROACH
 M. Jansen
- CP140 INTENTIONAL REIMPLANTATION TREATMENT FOR A TOOTH WITH A FRACTURED INSTRUMENT IN THE ROOT CANAL: 3-MONTH FOLLOW-UP G. Midoglu
- CP141 SURGICAL THERAPY OF SEVERE EXTERNAL CERVICAL RESORPTION IN THE AESTHETIC ZONE A FOUR YEARS FOLLOW UP B. Pazin
- CP142 SUCCESSFUL TREATMENT OF A COMPLEX CASE OF INFLAMMATORY ROOT RESORPTION AND APICAL PERIODONTITIS

 A. Georgiou

- CP144 APEXIFICATION AND DEVITAL BLEACHING AFTER FAILED REGENERATIVE ENDODONTIC TREATMENT: A CASE REPORT

 1. Sezer
- CP145 REVASCULARIZATION OF IMMATURE PERMANENT TOOTH USING PUTTY-TYPE CALCIUM SILICATE CEMENTS: CASES REPORT OF DENS EVAGINATUS H.S. Choi
- CP146 COMBINED REGENERATIVE ENDODONTICS AND VITAL PULP THERAPY IN AN IMMATURE MANDIBULAR FIRST MOLAR WITH TAURODONTISM: A CASE REPORT M. Ben Ami
- CP147 PRESERVATION OF PULPAL SENSITIVITY IN THE MAIN CANAL OF A MANDIBULAR DENS INVAGINATUS WITH PERIAPICAL LESION USING DIGITAL WORKFLOW E. Sanchez
- CP148 REGENERATIVE ENDODONTIC TREATMENT IN A CASE STUDY: SINGLE OR MULTIPLE VISITS

 E. Ekmekçi
- CP149 REGENERATIVE ENDODONTIC TREATMENT IN A MATURE TOOTH WITH A WIDE APEX: A CASE REPORT H. Gürbüz



CLINICAL POSTERS SESSION

- CP150 REGENERATIVE ENDODONTIC TREATMENT IN A TOOTH WITH EXTERNAL ROOT RESORPTION: A CASE REPORT E. Yurt
- CP151 REGENERATIVE ENDODONTIC TREATMENT OF IMMATURE CENTRAL TOOTH USING PRF: CASE REPORT G. Akduman
- CP152 SYNODONTIA, DENTES CONCRETI, HYPERDONTIA? VITAL PULP THERAPY OF A DENTAL ANOMALY

 H. Hildebrand
- CP153 VITAL PULP THERAPY OF A MATURE TOOTH WITH DEEP CARIES IN AN ELDERLY PATIENT

 J. Seo
- CP154 COMBINATION VITAL PULP THERAPY AND NON-SURGICAL ROOT CANAL TREATMENT A PERMANENT MOLAR

 N.A. Abdul Aziz



GENERAL ENDODONTIC POSTERS

THURSDAY, 4TH SEP. 2025

0	GENERAL ENDODONTIC POSTERS AREA (LEVEL D)	() 13:30-14:30
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- GE001 EVALUATION OF SEALING ABILITY AND ADAPTABILITY OF DIFFERENT ENDODONTIC SEALERS: IN VITRO COMPARATIVE STUDY A. Alhilou
- GE002 EVIDENCE-BASED STRATEGIES FOR RESTORING ROOT-FILLED TEETH: CLINICAL INSIGHTS AND CASES

 M. Kubatska
- GE003 ENDODONTIC TREATMENT OF PERIAPICAL LESIONS WITH EXTRUSION OF TWO CONTEMPORARY BIOCERAMICSEALERS A CLINICAL OUTCOME STUDY E. Gyulbenkiyan
- GE004 ENDODONTIC MANAGEMENT OF A TRAUMA CASE AND 20 MONTHS FOLLOW UP I. Szene
- GE005 DIAGNOSTIC CHALLENGES IN THE FIELD OF ENDODONTICS A PRACTITIONER'S VIEW

 I. Szene
- GE006 HEMISECTION OF AN UPPER MOLAR TO MAINTAIN A CLOSED DENTAL ARCH CASE SERIES

 K. Riess
- GE007 THE DISSOLUTION OF MTA IN CLINICALLY COMPROMISED ENVIRONMENTS: CAUSES, EFFECTS, AND MANAGEMENT STRATEGIES

 S. Drukteinis
- GE008 ENDODONTIC MICROSURGERY ON A MANDIBULAR FIRST MOLAR WITH RADIX ENTOMOLARIS USING AUGMENTED REALITY TECHNOLOGY AND A 3D-PRINTED MODELS

 K. Maki
- GE009 POST REMOVAL WITHIN THE PROSTHETIC RESTORATION: CLINICAL FEASIBILITY OR LACK OF EVIDENCE?

 T. Kontogiannis
- GE010 THE MANAGEMENT OF LATERAL LUXATED IMMATURE PERMANENT UPPER CENTRAL INCISOR

 R. Mustafa
- GE011 ATTITUDES OF DENTAL PRACTITIONERS FROM NORTHERN MOROCCO ON THE PRESCRIPTION OF ANTIBIOTICS DURING ENDODONTIC TREATMENT: A SURVEY L. Khalaf
- GE012 ANTIMICROBIAL EFFICACY OF NATURAL EXTRACTS AGAINST ENTEROCOCCUS FAECALIS: AN IN-VITRO STUDY

 L. Hasbini
- GE013 AUGMENTED & VIRTUAL REALITY IN ENDODONTIC TREATMENT PLANING M. Reymus



- GE014 INTRACORONARY BLEACHING OF AN ENDODONTICALLY TREATED TOOTH:
 A CASE REPORT
 E. Väyrynen
- GE015 PUSH OUT BOND STRENGTH OF TOTALFILL BIOCERAMIC SEALER TO ROOT DENTINE TREATED WITH DIFFERENT IRRIGATION SOLUTIONS

 T. Al Omari
- GE016 ANALYSIS OF PROCEDURAL ERRORS ASSOCIATED WITH SEPARATED INSTRUMENT MANAGEMENT IN MOLAR TEETH

 S. Bukhari
- GE017 IMPACT OF BIOACTIVITY ON PUSH-OUT BOND STRENGTH OF AH PLUS BIOCERAMIC VERSUS BC BIOCERAMIC ROOT CANAL SEALERS A. Alnoury
- GE018 EFFICIENCY OF FRACTURED FILE RETRIEVAL USING ULTRASONIC INSTRUMENT ACCORDING TO THE DIFFERENT NICKEL-TITANIUM ALLOY AND FRAGMENT LENGTH

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- GE020 COMPARISON OF DIODE LASER AND SONIC ACTIVATION ON GUTTA-PERCHA/ SEALER REMOVAL FROM CURVED ARTIFICIAL CANALS: AN IN VITRO STUDY Z.G. Ürün
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- GE023 EFFICIENCY OF ULTRASONIC ACTIVE IRRIGATION AND ZEN FLEX RECIPROCATION FILES IN THE NEGOTIATION OF CALCIFIED CANALS: A CASE REPORT A.A. Alfarra
- GE024 SUBMICRO-DIAMONDS COMBINED WITH SONIC AGITATION ENHANCE BIOFILM DISRUPTION AND SEALER PENETRATION IN ROOT CANALS E. Chang
- GE025 THE IMPORTANCE OF HYDRAULIC CALCIUM SILICATE-BASED ENDODONTIC CEMENTS IN VITAL PULP THERAPY

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- GE026 ENDODATA: A GAME-CHANGER FOR CLINICIANS AND RESEARCHERS P. Kuoch
- GE027 ABSTRACT: MANAGEMENT OPTIONS OF A TRUE RADICULAR DENS INVAGINATUS TYPE IIIB IN AN 9-YEAR-OLD PATIENT A CASE REPORT B. Van Geyte
- GE028 ENDODONTIC RETREATMENT: CLEANING YOUR WAY TO THE APEX W. Lagmou



- GE029 AGITATION METHODS INTENSIFY DENTINE ALTERATIONS AND CALCIUM REMOVAL DURING FINAL IRRIGATION WITH SODIUM HYPOCHLORITE FOLLOWED BY EDTA, BUT NOT WITH THE SODIUM HYPOCHLORITE-ETIDRONIC ACID MIXTURE T. Tartari
- GE030 ASSESSMENT OF DENTINE MATRIX PROTEINS ON DENTAL-PULP-STEM-CELL MIGRATION AND MINERALISATION

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- GE031 MIGRATION OF STREPTOCOCCUS ANGINOSUS AND ENTEROCOCCUS FAECALIS THROUGH DENTINE: AN EX-VIVO STUDY Y. Shibata
- GE032 REGENERATIVE ENDODONTIC TREATMENT FOR IMMATURE TEETH: A CASE SERIES

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- GE033 GLIDE PATH WITH NITI INSTRUMENTS: FULL ROTARY MOTION, RECIPROCATION OR TACTILE CONTROLLED ACTIVATION? LITERATURE REVIEW AND REPORT OF RESPECTIVE CASES

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- GE038 TREATMENT OF ENDODONTICALLY TREATED TEETH WITH THE ENDOCROWN APPROACH IN A SINGLE-VISIT B. Benliay
- GE039 MANAGEMENT OF A SEVERE CURVATURE AND LARGE PERIAPICAL LESION I. Muslim
- GE040 EFFECT OF INTRACANAL CRYOTHERAPY TEMPERATURES AND ITS DELIVERY ON THE FRACTURE RESISTANCE OF ENDODONTICALLY TREATED TEETH J.C. Da Wei
- GE042 ENDODONTIC TREATMENT OF MANDIBULAR PREMOLARS WITH TAURODONTISM Y. Darafarin
- GE043 MANAGEMENT OF MULTIPLE TRAUMATIC DENTAL INJURIES IN MIXED DENTITION R.K. Singh
- GE044 RETRIEVAL OF ENDODONTIC FILE SEPARATED BEYOND THE CURVATURE IN MAXILLARY MOLAR

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- GE049 RETRIEVAL OF SEPARATED INSTRUMENT EXTRUDED OVER THE APEX USING HAND FILES AND XP-ENDO FINISHER

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- GE050 ENDODONTIC PAIN AND ITS MANAGEMENT PREOPERATIVE, INTRAOPERATIVE, POST-OPERATIVE CONSIDERATIONS FOR PREDICTABILITY IN PROVIDING PAINLESS ROOT CANAL TREATMENT D. Dua
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- GE052 EVALUATION OF THE RETREATABILITY OF AH PLUS BIOCERAMIC SEALER WITH ULTRASONIC TIPS DURING ROOT CANAL RETREATMENT USING MICRO-COMPUTED TOMOGRAPHY

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- GE055 TREATMENT OF ROOT CANAL CALCIFICATION: A CASE REPORT E. Yildiz
- GE056 CALCIUM SILICATE-BASED INTRACANAL MEDICATIONS AND CLINICAL USE E. Alemdar
- GE057 NON-SURGICAL ENDODONTIC TREATMENT OF AN EXTRAORAL FISTULA OF ODONTOGENIC ORIGIN

 A. Dogan
- GE058 NON-TRAUMATIC TOOTH CRACKS AND FRACTURES CASE REPORT AND EXISTING GUIDELINES FOR DIAGNOSTIC AND THERAPEUTIC PROCEDURES *I. Mihalj*
- GE060 MANAGING POOR PROGNOSIS TEETH IN ONCOLOGY PATIENTS HIGHLIGHTING THE BENEFITS OF ENDODONTIC TREATMENT TO MINIMISE THE RISKS OF OSTEORADIONECROSIS

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- GE062 RETREATMENT: A VICTORY
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- GE063 MULTIDISCIPLINARY APPROACH IN LATERAL LUXATION AND HORIZONTAL ROOT FRACTURE: A CASE REPORT

 P. Yoldas
- GE064 FIBER POST TREATMENT OUTCOMES: INSIGHTS FROM A CASE SERIES A.H. Celik Yilmazaslan
- GE065 MANAGEMENT OF LARGE ENDODONTIC- PERIODONTAL LESION ON TOOTH WITH NECROTIC PULP

 B. Gol
- GE066 TYPE I DENS INVAGINATUS WITH AN ASSOCIATED CYST: A CASE REPORT M. Elabdalla
- GE067 DIAGNOSIS OF TRIGEMINAL NEURALGIA: A CASE REPORT E. Çakilkaya
- GE068 MECHANICAL FILES WITH SMALL APICAL SIZE AND TAPER D. Joffe-Sokolova
- GE069 APICAL BARRIER FORMATION WITH MINERAL TRIOXIDE AGGREGATE IN A RETREATMENT CASE

 B. Yilmaz
- GE070 ORTHODONTIC TOOTH MOVEMENT OF ENDODONTICALLY TREATED TOOTH: AN EVIDENCE BASED CLINICAL DECISION-MAKING

 M. Kumar
- GE071 REGENERATIVE TREATMENT WITH PRF FOR TEETH WITH IMMATURE APEXES AND PERIAPICAL LESIONS

 H.T. Yildiz
- GE072 TREATMENT OF A MOLAR TOOTH WITH INTERNAL ROOT RESORPTION AND VERTICAL ROOT FRACTURE: A CASE REPORT

 Z. Kacmaz
- GE073 RETREATMENT OF A 1.1 IN A YOUNG PATIENT WITH AN OPEN APEX V. Ducept
- GE074 FOLLOW-UP OF A RADICULAR CYST WITH ULTRASONOGRAPHY AFTER ENDODONTIC TREATMENT Y.N. Sahin
- GE075 PULPAL HEALING AND ROOT MATURATION FOLLOWING DELAYED PARTIAL PULPOTOMY IN A COMPLICATED CROWN-ROOT FRACTURE WITH HYPERPLASTIC PULPITIS: A PAEDIATRIC TRAUMA CASE

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- GE076 ENDODONTIC TREATMENT OF MANDIBULAR PREMOLARS WITH DIFFERENT ROOT CANAL ANATOMY: TWO CASE REPORTS

 G.E. Han
- GE077 ROOT CANAL TREATMENT OF TOOTH 4.5 MANAGING A SEVERELY CURVED CANAL WITH ROOT PERFORATION
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- GE078 NON-SURGICAL MANAGEMENT OF A CROWN FRACTURE WITH A CYST-LIKE PERIAPICAL LESION: A CASE REPORT D. Frkal
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- GE082 MICRO-COMPUTED TOMOGRAPHY COMPARISON OF THREE PREPARATION
 TECHNIQUES AND PERICERVICAL DENTIN PRESERVATION IN PREMOLARS WITH
 CONVENTIONAL VS. CONSERVATIVE ENDODONTIC ACCESS
 A. Gusiyska
- GE083 ASSESSMENT OF VARIOUS POST-ENDODONTIC RESTORATIONS ON TREATMENT SUCCESS

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- GE102 SHOULD ALL APICECTOMY-ASSOCIATED PATHOLOGICAL TISSUE BE SUBMITTED FOR HISTOLOGICAL EXAMINATION?: A RESTROSPECTIVE STUDY F. Rodrigues
- GE103 MANAGEMENT OF INTRACANAL SEPARATED INSTRUMENTS : CASE SERIES M. Sümbüllü
- GE104 REMOVAL OF BROKEN INSTRUMENT FROM THE CANAL WITH ULTRASONIC SYSTEM: A CASE REPORT

 O. Valiyev



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- GE106 COMPARISON OF EFFICACY OF SONIC IRRIGATION VERSUS PASSIVE ULTRASONIC IRRIGATION ON SMEAR LAYER REMOVAL FROM THE APICAL THIRD OF ROOT CANAL SPACE: AN IN-VITRO EXPERIMENTAL STUDY B. Fatima
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- GE117 EXPLORING VITAL PULP THERAPY, REGENERATIVE TREATMENT, AND ROOT CANAL THERAPY FOR OPTIMAL PATIENT OUTCOMES

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- GE118 EVALUATION OF PUSH-OUT BOND STRENGTH AND ADHESIVE PATTERN OF THE EPOXYAMINE RESIN SEALER MODIFIED WITH BIOGLASS
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GE119 COMBINED ROOT FRACTURE AND LUXATION DENTAL INJURY-A CASE REPORT J. Pavicevic

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- GE121 INTERNAL BLEACHING FOLLOWING NON-SURGICAL ENDODONTIC RE-TREATMENT: A CASE REPORT H. Javadi Moghaddam
- GE122 THE EFFICIENCY OF USING NEW BROKEN INSTRUMENT REMOVAL KIT DESIGNED BY DR. SIAVASH MOUSHEKHIAN (KAMAND)

 S.W.T. Al Hajaj
- GE123 RETREATMENT OF MANDIBULAR SECOND MOLAR TOOTH WITH C-SHAPED CANAL

 R. Guliyeva
- GE124 EVALUATING THE USE OF SELF-CONDITIONING ADHESIVE COMBINED WITH DUAL CURING RESIN CEMENT AS AN ENDODONTIC SEALER: AN IN VITRO STUDY C.I. Anton Y Otero
- GE125 RETREATMENT OF OVERFILLED ROOT-CANALS: 2 CASE REPORTS WITH 6-MONTHS FOLLOW-UP
 M. Jemâa
- GE126 TREATMENT OF A PERMANENT CENTRAL TOOTH WITH HORIZONTAL ROOT FRACTURE DUE TO TRAUMA USING MTA: A CASE REPORT T. Gok
- GE128 EVALUATING THE ADEQUACY OF 2D VS 3D RADIOGRAPHS IN ENDODONTIC DIAGNOSIS AND TREATMENT: A CASE REPORT A.N. Gumus Gencer
- GE129 RETREATMENT AND LONG-TERM FOLLOW-UP OF A ROOT CANAL-TREATED RIGHT MAXILLARY LATERAL INCISOR WITH APICAL LESION SUSPECTED TO BE A RADICULAR CYST C. Cakmakci
- GEI30 SHAPING ABILITY OF MTWO, ZENFLEXTM, E-FLEX ONE AND E-FLEX EDGE NICKEL TITANIUM ROTARY INSTRUMENT IN PREPARATION OF CURVED CANALS USING MICRO-COMPUTED TOMOGRAPHY

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- GEI31 MICROSCOPE-ASSISTED ENDODONTIC RETREATMENT AND DIGITAL BIOMIMETIC APPROACH IN POSTERIOR TEETH C. Aktay
- GE132 CASE REPORT, SURGICAL MANAGEMENT OF A FOREIGN BODY INFECTION WITH THE USE OF PRF AS A CONJUNCTIVE REGENERATIVE AGENT V. Saranya



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GE138	FRACTURED INSTRUMENT RETRIEVAL WITH MINIMAL DENTIN LOSS: A CASE REPORT <i>E.F. Akay</i>
GE139	INVESTIGATION OF THE EFFECT OF POTENTIAL DENTINE CONDITIONING SOLUTION ON THE PUSH-OUT BOND STRENGTH OF CALCIUM SILICATE-BASED SEALER WITH DENTINE; AN INVITRO STUDY F. Alkhateeb
GE140	MANAGING ANTERIOR TOOTH TRAUMA WITH DYSCHROMIA AND OPEN APICES: A CASE REPORT B. Doumari
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- GE153 EFFECT OF DIFFERENT CONTINUOUS CHELATING PROTOCOLS ON SEALER PENETRATION INTO ROOT DENTIN AND PUSH-OUT BOND STRENGTH A. Ivica
- GE154 DENS IN DENTE CONSERVATIVE APPROACH TO THERAPY
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- GEISS COMPARATIVE STUDY OF IRRIGATION NEEDLE DESIGNS AND THEIR IMPACT ON IRRIGANT AND DEBRIS EXTRUSION IN ENDODONTIC TREATMENT S. Dhoum
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- GE170 LASER-ASSISTED ENDODONTIC SURGERY P. Su



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- GE175 REIMPLANTATION OF A TOOTH WITH A PALATO-RADICULAR GROOVE N. Rodríguez Barriga
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- GE177 CONSEQUENCES OF NEGLECTING THE TREATMENT PROTOCOL OF THE TRAUMATIZED IMMATURE TOOTH CASE REPORT

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Quality Endodontic Distributors Limited

Schlumbohm

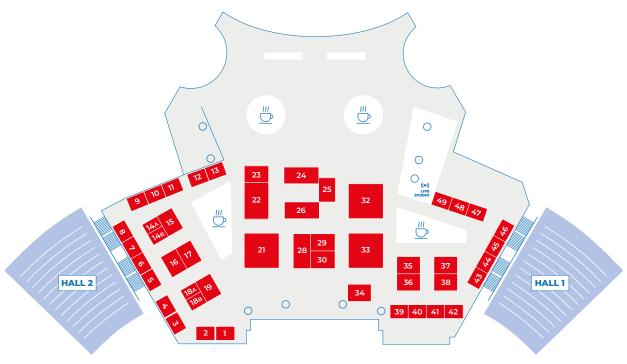
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