



PROGRAMME - THURSDAY 14TH MAY

Registration, Welcome Refreshments & Exhibition

12:30

Benjamin Britten
Lounge & Whittle
Room

AODES Meeting

09:00-10:30/11:00-12:00

St James' Suite

New young researchers in cariology presenting:

Shortcuts to save money? - the Cost-Effectiveness of Different Approaches Towards Dental Caries.

Falck Schwendicke
AODES, ,, UK

SEAL-DK: Sealing of Manifest Occlusal Caries Lesions in Permanent Teeth

Azam Bakhshandeh
AODES, ,, UK

Restorative Treatment of Severe Tooth Wear: from Direct Techniques to CAD/CAM.

Bas Loomans
AODES, ,, UK

AODES Members' Annual Meeting

AODES Committee
AODES, ,, UK



European Section

Kuraray Symposium

09:30-10:45/11:00-12:30

Fleming Room

Evolutions in Zirconia, Cementation and More – Made for General Practitioners & Dental Technicians

Zirconia in Esthetic Dentistry - a Contradiction?

Florian Beuer, Josef Schweiger
KURARAY, ,, Germany

Bonding to Oxide Ceramics - Clinical Outcomes

Matthias Kern
KURARAY, ,, Germany

Hydroxy-Apatite in Restorative Dentistry - Today and Tomorrow

Nicola Scotti
KURARAY, ,, Italy

Direct Composites - a Practical Guide

Louis Mackenzie
KURARAY, ,, UK

Breakthrough Technologies at Kuraray Noritake Dental Inc.

Mitsuru Takei
KURARAY, ,, Japan

kuraray

Welcome Introduction

13:20

Chair: Steven Dunne, KCL, UK

Keynote Address: The Impact of Technology on Society

13:30

Chair: Karen O'Brien, VP KCL, UK

Fleming Room

Keynote Address: The Impact of Technology on Society
Frans Berkhout
KCL, London, UK

Unilever

14:00-17:30



St James' Suite

Erosive Tooth Wear - Can You Stop It?
Marília Buzalaf¹, Andrew Joiner², David Bartlett³
¹Bauru Dental School, University of São Paulo, São Paulo, Brazil,
²Unilever Oral Care, Global R&D, ,, UK, ³Kings College, London, UK

Colgate

14:00-18:00



LonDec

Workshop Introduction
Nigel Pitts², Anahita Jablonski-Momeni¹, Sophie Doméjean¹
¹Colgate, ,, UK, ²KCL, ,, UK

Implementation of ICDAS in a Dental School

Anahita Jablonski-Momeni
Colgate, ,, UK

ICDAS Theoretical Training

Anahita Jablonski-Momeni
Colgate, ,, UK

Examination of Extracted Teeth - Practical Training

Anahita Jablonski-Momeni, Sophie Doméjean
Colgate, ,, UK

ICDAS's Impact on Dental Practice - the Role of Fluorides

Anahita Jablonski-Momeni
Colgate, ,, UK

ICDAS and Minimal Invasive Approaches

Sophie Doméjean
Colgate, ,, France

Session 1: Tech-enhanced Education (1)

14:00

Fleming Room

Chair: Karen O'Brien, VP KCL, UK

Future Revalidation in Dentistry Europe

Corrado Paganelli
University of Brescia, Brescia, Italy

Anticipated Changes and Developments in Conservative Dentistry
Nairn Wilson
King's College London Dental Institute, London, The Netherlands

Distance-learning Academic Programmes
Brian Millar
KCL, London, UK

Refreshments | Exhibition | E-Posters | BATCD AGM

15:30 Benjamin Britten
Lounge & Whittle
Room

Session 2: Tech-enhanced Education (2)

16:00 Fleming Room Chair: Helena Lewis-Greene, KCL, UK

Virtual Reality Simulation Aeronautics
Steve Jarvis
Jarvis Bagshaw Ltd, , UK

The Digital Dental School
Daniel Wiesmejer
ACTA, Amsterdam, The Netherlands

Tech-enhanced Student Training and Assessment
Mark Woolford
KCL, London, UK

Awards of Excellence and Presentations

17:30 Fleming Room

Opening Ceremony, Drinks Reception & E-Posters

18:00-19:00 Benjamin Britten
Lounge & Whittle
Room

PROGRAMME - FRIDAY 15TH MAY

Registration, Refreshments, Exhibition & E-Posters

08:00 Benjamin Britten Lounge & Whittle Room

Session 3: Intra Oral Imaging

09:00 Fleming Room Chair: Suzie Moore, KCL, UK

Evidence-base Critical Review of Digital Scanners in Dentistry

Rupert Austin
KCL, London, UK

Clinical Impressions of Digital Scanning

Joerd van der Meer
Groningen, ,, The Netherlands

Clinical Photography

Mike Sharland
Dental Photography in Practice, London, UK

Session 4: Lasers

09:00 St James' Suite Chair: Steve Dunne, EFCD President, UK

Evidence-base Critical Review of Lasers in Dentistry

Chris Louca
UCL Eastman, London, UK

Clinical use of Lasers in Dental Practice

Mark Cronshaw
,, ,, UK

Technology in Facial Dermatology and Anti-Ageing

Robert Rutland
,, ,, UK

BDJ Portfolio

09:30-10:30



Wordsworth Room

How to get Published

Stephen Hancocks, Ruth Doherty
BDJ, ,, UK

Refreshments, Exhibition & E-Posters

10:30-11:00 Benjamin Britten Lounge & Whittle Room

Henry Schein

11:00-12:00 Wordsworth Room



Session 5: Laboratory Digital Scanners (cad-cam)

11:00 **Fleming Room** **Chair: Barry Quinn, KCL, UK**
Tooth Coloured Concepts for (Implant) Dentistry from a Prosthetic Perspective
Florian Beuer, Joseph Schweiger
Ivoclar, Munich, Germany
Clinical - Laboratory Interaction - Maxillo-facial
Trevor Coward
KCL, London, UK

Session 6: Digital Endodontics

11:00 **St James' Suite** **Chair: Brian Millar, KCL, London, UK**
Powerful Interplay between Technology and Science: Prevention of the Complete
Pulpectomy
Luc van der Sluis
Groningen, ,, The Netherlands
Cone Beam CT Developments in Dental Practice
Shanon Patel
KCL, London, UK
Limits of Tech on Endo Success
Francesco Mannocci
KCL, London, UK

Lunch, Exhibition & E-Posters

12:30-14:00 **Benjamin Britten Lounge &
Whittle Room**

3M ESPE

14:00-15:30

Wordworth Room

Details to Follow

Introducing 3M True Definition Scanner - Live Demonstration

3M ESPE, ,, UK



Session 7: Minimal Invasive Dentistry

14:00 **Fleming Room** **Chair: Rebecca Moazzez, KCL, UK**
Evidence-base Critical Review
Patrick Sequeira
EFCD, Bern, Switzerland
Clinical Developments in Calcium Silicates
Pierre Colon
Septodont, Paris, France
Clinical Developments
Tim Watson
KCL, London, UK

Session 8: Smart Adhesives and Restoratives (1)

14:00 **St James' Suite** **Chair: Richard Foxton, KCL, UK**
Evidence-base Critical Review of Current Adhesives

Lorenzo Breschi
EFCD, Bologna, Italy

How Smart can Dental Adhesives get?

Christoph Thalacker
3M, Seefeld, Germany

Restodontics - The Smart Way

Marco Martignoni
Dentsply, Rome, Italy

Refreshments, Exhibition & E-Posters

15:30-16:00 **Benjamin Britten Lounge &
Whittle Room**

Session 9: Non-Operative Technologies for Caries Management

16:00 **Fleming Room** **Chair: Nigel Pitts KCL, UK**

Caries Lesions: Is Reversibility a Reality?

Bente Nyvad
Aarhus University, Denmark

New Avenues for Caries Prevention: Counteracting the Acid Challenge

Bob Ten Cate
University of Amsterdam, The Netherlands

Molecular Dentistry: What are the Future Directions of Demin/Remin?

Paul Anderson
QML, London, UK

Session 10: Smart Adhesives and Restoratives (2)

16:00 **St James' Suite** **Chair: Prof Nairn Wilson, KCL, UK**

A Critical Review of Biomimetic Dental Materials

Tim Watson
KCL, London, UK

Smart Composites - Current and Future Developments

Maximilian Maier
Dentsply, London, UK

Clinical Developments in Smart Composites

Trevor Burke
University of Birmingham, Birmingham, UK

GC Europe Presentation

17:30 **Fleming Room**

GC Europe Drinks reception

17:50 **Benjamin Britten Lounge &
Whittle Room**



PROGRAMME - SATURDAY 16TH MAY

Registration, Refreshments, Exhibition & E-Posters

08:00 Benjamin Britten Lounge & Whittle Room

Session 11: The Future of “Social Media” in Dentistry

09:00

Chair: Dianne Rekow, Dean KCL, UK

Social Media and Clinical Recordings: Educational and Ethical Issues and Challenges
Jonathan San Diego
KCL, London, UK

Social Media - Marketing, Advertising and Patient Education
Linda Christoffersson
Denplan, Winchester, UK

Q&A Panel Discussion

10:15

Refreshments & Exhibition

10:30-11:00 Benjamin Britten Lounge & Whittle Room

Coffee

Session 12: Clinical Research in Dental Practice – a Funding, Practice-building Opportunity?

11:00

Chair: Steve Dunne, EFCD President

Practice-based Research Networks - the Trials and Tribulations
Van Thompson
KCL, London, UK

The NHS Clinician's Perspective...
Bhupinder Dawett
University of Manchester, Manchester, UK

EFCD Scientific Foundation Award Winner

12:00

EFCD Scientific Foundation Award Winner Presentation
Barbara Cvikl
University of Vienna, Vienna, Austria



Closing Address

12:15-12:45

What's the Future; 2020, where will we be?
Trevor Burke
University of Birmingham, Birmingham, UK

EFCD Prize Giving

12:45-13:30

Fleming Room

E-Poster Presentations

Biomaterials (BM)

- BM01 Laboratory evaluation of tooth dissolution in cough syrups
Cornelius Bamise, Temitope Esan, Elizabeth Oziegbe, Francis Alo Obafemi Awolowo University, Ile Ife, Osun State, Nigeria
- BM02 Quantification of the amount of blue light passing through monolithic zirconia
Nicoleta Ilie¹, Bogna Stawarczyk²
¹Dental School, Ludwig-Maximilians University, 1Department of Operative/Restorative Dentistry, Periodontology and Pedodontics, Munich, Germany, ²Dental School, Ludwig-Maximilians University, 2Department of Prosthodontics, Munich, Germany
- BM03 Effect of MTA setting time intervals on its shear bond strength with overlying restorative materials.
Ahmed Ali, Avijit Banerjee, Francesco Mannocci
King's College London, London, UK
- BM04 Influence of tetracalcium-phosphate (TTCP) and calcium-phosphate acid (DCPA) on bond-strength of self-etch adhesives
Allegra Comba¹, Mattia Chiapello¹, Lorenzo Breschi², Gianluca Turco³, Elio Berutti¹, Nicola Scotti¹
¹University of Turin, Turin, Italy, ²Alma Mater Studiorum, Bologna, Italy, ³University of Trieste, Trieste, Italy
- BM05 The effect of MMP-inhibitor modified adhesive primer on the caries-affected dentine: A Raman spectroscopy study
Ahmed Almahdy^{1,2}, Garrit Koller¹, Frederic Festy¹, Jörg Bartsch^{1,3}, Timothy F. Watson¹, Avijit Banerjee¹
¹Dental Institute, King's College London, London, UK, ²College of Dentistry, King Saud University, Riyadh, Saudi Arabia, ³University of Marburg, Marburg, Germany
- BM06 Evaluation of hardness increase of GIC restorative surface in saliva.
Yusuke Shimada, Yusuke Hokii, Katsushi Yamamoto, Shouichi Fukushima, Tomohiro Kumagai
GC Corporation R & D centre, Tokyo, Japan
- BM07 Comparison of Mechanical Properties of Composite with Different Enamel Shades
Zeynep Bilge Kutuk¹, Sevil Gurgan¹, Reinhard Hicke², Nicoleta Ilie²
¹Hacettepe University Faculty of Dentistry Restorative Dentistry Department, Ankara, Turkey, ²Ludwig Maximilians University, School of Dentistry, Department of Restorative Dentistry and Periodontology, Munich, Germany
- BM08 The Effect of Different Storage Mediums on Dentin Moisture, Microhardness and Bonding
Aysegul Kaya¹, Tijen Pamir¹, Pinar Kosker¹, Bilge Hakan Sen²
¹Ege University School of Dentistry, Izmir / Bornova, Turkey, ²Izmir Katip Çelebi University School of Dentistry, Izmir / Cigli, Turkey
- BM09 Randomised crossover-controlled trial investigating poly-ether-ether-ketone (PEEK) materials in tooth-and-mucosa supported RPDs - Preliminary report.
Zaid Ali^{1,2}, Nicolas Martin^{1,2}, Sarah Baker¹
¹University of Sheffield, Sheffield, UK, ²Charles Clifford Dental Hospital, Sheffield, UK
- BM10 Comparative study of the photo-polymerization depth of flow composite materials using Raman microscopy
Sebastiana Arroyo Bote, Javier Martinez Osorio, Esther Berastegui Jimeno
Faculty of Dentistry. Barcelona University, Barcelona, Spain
- BM11 Fatigue Testing of Ultrathin Occlusal Veneers
Karl-Heinz Kunzelmann¹, Peter Rösch², Helena Schäfer¹
¹LMU-München, Operative Dentistry, Munich, Germany, ²Univ. Applied Sciences,

Augsburg, Computer Science, Augsburg, Germany

- BM12 Finite Element Analysis of Ultrathin Occlusal Veneers
Peter Rösch¹, Karl-Heinz Kunzelmann²
¹Augsburg University of Applied Sciences, Faculty of Computer Science, Augsburg, Germany, ²Ludwigs-Maximilians University, Munich, Dept. of Restorative Dentistry and Periodontology, Munich, Germany
- BM13 Bonding of a CPP-ACP containing glass ionomer cement to human enamel, sound-, and caries-affected dentine
Michael Burrow¹, Hiroyasu Koizumi², Hamdi Hamama³
¹University of Melbourne, Melbourne, Australia, ²Nihon University, Tokyo, Japan, ³Mansoura University, Mansoura, Egypt
- BM14 Effect of a cavity cleanser/desensitizing agent on bond strengths
Hiroyasu Koizumi^{1,4}, Michael Burrow², Hamdi Hamama³
¹Nihon University School of Dentistry, Tokyo, Japan, ²University of Melbourne, Melbourne, Australia, ³Mansoura University, Mansoura, Egypt, ⁴The University of Hong Kong, Hong Kong, Hong Kong
- BM15 Conversion Degree and Micro-Hardness two dual cements cured with three different protocols under Zirconia discs
Stefano Serra, Allegra Comba, Luca Fontanive, Milena Cadenaro, Elio Berutti, Nicola Scotti
University of Turin, Department of Surgical Sciences, Turin, Italy
- BM16 Color changes of expired restorative composite resins
Nikolina Spyropoulou, Anastasia Plevritaki, Panagiotis Lagouvardos
Dental school of Athens, National Kapodistrian university of Athens, Athens, Greece
- BM17 μ TBS of an etch-and-rinse adhesive system enriched with Chlorhexidine-digluconate Loaded Nanodroplets
Stefania Rivarossa¹, Diletta Basile¹, Riccardo Tempesta¹, Marta Ga², Caterina Guiot³, Roberta Cavalli³, Elio Berutti¹, Nicola Scotti¹
¹Dental School, University of Turin, Torino, Italy, ²Department of Molecular Biotechnology and Health Sciences, University of Torino, Torino, Italy, ³Department of Neurosciences, University of Turin, Torino, Italy
- BM18 Influence of Synthetic Hydroxyapatite application on fiber posts bond strength and durability.
Diletta Basile¹, Emanuele Bergantin¹, Gianluca Turco², Milena Cadenaro², Lorenzo Breschi³, Elio Berutti¹, Nicola Scotti¹
¹Dental school, university of Turin, Torino, Italy, ²University of Trieste, Department of Medical Sciences, Trieste, Italy, ³Alma Mater Studiorum, University of Bologna, DIBINEM., Bologna, Italy
- BM19 Ultrashort pulsed lasers - Effects on dental tissues and restorative materials
Joerg Meister¹, Florian Schelle², Claudia Dehn¹, Matthias Frentzen¹
¹Dept. of Periodontology, Conservative and Preventive Dentistry, Bonn University, Dental Faculty, Bonn, Germany, ²Institute for Occupational Safety and Health of the German Social Accident Insurance (IFA), Sankt Augustin, Germany
- BM20 Antimicrobial Activity of Octenidine Dihydrochloride, Polyhexanide and Chlorhexidine Digluconate Against Cariogenic Microorganisms
Esra Uzer Celok¹, Mustafa Ates², Ayse Tugce Tunac¹, Bilge Hakan Sen³
¹Department of Restorative Dentistry, Faculty of Dentistry, Izmir Katip Celebi University, Izmir, Turkey, ²Division of Basic and Industrial Microbiology, Department of Biology, Faculty of Science, Ege University, Izmir, Turkey, ³Private Practice, Izmir, Turkey
- BM21 Microleakage of Class II cavities restored with bulk-fill restorative resins
Tugce Guney, A.Ruya Yazici
Hacettepe University, School of Dentistry, Department of Restorative Dentistry, Ankara, Turkey
- BM22 Effect of exposure distance with MultiLED lamps on surface micro-hardness in a bulk-fill composite.

- Oana Andreea Miclaus, Allegra Comba, Damiano Pasqualini, Mario Alovisi, Elio Berutti, Nicola Scotti
University of Turin, Department of Surgical Sciences, Dental School, Turin, Italy
- BM23 Cytotoxicity of high temperature pressure polymerized resin infiltrated ceramic networks on human oral stem cells
Eric Bonte^{1,4}, Mathilde Tassin², Tsouria Berbar², Ludwig Loison Robert^{1,2}, Michael Sadoun^{1,3}, Benjamin Fournier^{5,2}
¹Paris Descartes University, Sorbonne Paris Cité, Dental faculty, Paris, France, ²INSERM UMR 1138, Cordeliers research center, Paris, France, ³URB2i, Paris Descartes Dental faculty, Paris, France, ⁴Bretonneau Hospital, AP-HP, Paris, France, ⁵Paris Diderot University, dental faculty Garancière, Paris, France
- BM24 Which methodological factors influence the shear-bond strength of fissure sealants?
Vinay Pitchika¹, Meng-Ling Chiang², Sebastian Birlbauer¹, Alexander Crispin¹, Reinhard Hicker¹, Nicoleta Ilie¹, Jan Kühnisch¹
¹Ludwig Maximilians University of Munich, Munich, Germany, ²School of Dentistry, Taipei, Taiwan
- BM25 Immediate adhesive properties to dentine of two “universal” adhesives
Maria Cura, Ana Hurtado, Maria Victoria Fuentes, Laura Ceballos Rey Juan Carlos University, Madrid, Spain
- BM26 Bisphenol A release: a comprehensive survey on the composite resin composition.
Elisabeth Dursun^{1,3}, Jean-Pierre Attal^{1,4}, H el ene Fron^{1,4}, Anne Raskin^{1,5}
¹Paris Descartes University, Paris, France, ²Aix-Marseille University, Marseille, France, ³A. Chevenevier Hospital, Creteil, France, ⁴C. Foix Hospital, Ivry-sur-Seine, France, ⁵La Timone Hospital, Marseille, France
- BM27 Vickers Micro-Hardness evaluation of two fiber-post dual cements cured with three different time protocols
Maria Luisa Favale, Elena Manzon, Dorina Selaj, Allegra Comba, Elio Berutti, Nicola Scotti
University of Turin, Department of Surgical Sciences, Dental School, Torino, Italy
- BM28 Effect of etch-and-dry and etch-and-rinse application of universal adhesives on post-operative sensitivity: randomized clinical trial
Gabriele Petrini, Marco Zante, Oana Miclaus, Nicola Scotti, Damiano Pasqualini, Mario Alovisi, Elio Berutti
Dental School, University of Turin, Turin, Italy
- BM29 Mercury in Dental Amalgam. What do North Iraqi Patients think?
Abd ulkadir Sengun¹, Hakan ColaK², Errugrul Ercan¹, Mehmet Mustafa Hamidi¹, Hassan Al Yousuf⁰
¹Kirikkale University School of Dentistry Department of Restorative Dentistry, Kirikkale, Turkey, ²Ishik University School of Dentistry Department of Restorative Dentistry, Erbil, Iraq
- BM30 Effect of polywave multiLED curing lights on surface micro-hardness distribution of two nanofilled composites.
Marco Zante, Allegra Comba, Damiano Pasqualini, Mario Alovisi, Elio Berutti, Nicola Scotti
University of Turin, Department of Surgical Sciences, Dental School, Turin, Italy
- BM31 Effect of the interface geometry on the stress distribution of the restored tooth-ceramic crown complex
Raad Al Marza, Shirin ShahrbaF, Nicolas Martin
The University of Sheffield, Sheffield, UK
- BM32 Degree of conversion and micro-hardness of a light-curing cement under lithium-disilicate and composite discs
Atdhe Grezda, Allegra Comba, Damiano Pasqualini, Mario Alovisi, Elio Berutti, Nicola Scotti
University of Turin, Turin, Italy

- BM33 Quality of Final Impressions and Prescriptions for Fixed Restorations.
Neamat Abubakr^{1,2}, Riham Nabil¹
¹University of Khartoum, Faculty of Dentistry, Khartoum, Sudan, ²Princess Nourah Bint Abdulrahman University, College of Dentistry, Riyadh, Saudi Arabia
- BM34 Surface roughness of nano-hybrid composites before and after immersing in sports drink
Elif Ozturk¹, Gizem Guder²
¹Hacettepe University, Ankara, Turkey, ²Kocaeli University, Kocaeli, Turkey
- BM35 Effect of water storage and brushing on dentinal permeability of teeth treated with desensitizing agents
Luca Debernardi¹, Emanuele Bergantin¹, Gianluca Turco², Elio Berutti¹, Nicola Scotti¹
¹University of Turin, Department of Surgical Sciences, Dental School, Torino, Italy, ²University of Trieste, Department of Medical Sciences, Trieste, Italy
- BM36 Effect of immediate or delayed dentinal sealing on coronal bond strength: μ TBS test
francesco lerda
university of turin, turin, Italy
- BM37 Effect of Er-YAG or bur on bond strength with different adhesive procedures
aristea cedrone, allegra comba, riccardo tempesta, elio berutti, nicola scotti
University of Turin, Turin, Italy
- BM38 Pulp chamber temperature increase during adhesive system irradiation with multiLED curing lights.
Giulia Massano, Francesca Barra, Francesco Coero Borga, Damiano Pasqualini, Elio Berutti, Nicola Scotti
University of Turin, Turin, Italy
- BM39 Multimodal Optical Characterization of dentine caries lesions: multiphoton imaging, spectroscopy and micro-hardness analysis
Shara Sajini, Tlim Watson, Frederic Festy
King's Colleague London, London, UK
- BM40 Are the biomimetic therapies promising for direct pulp capping?
Elif Aybala Oktay¹, Ülkü Özar², Fulya Toksoy Topçu¹, Huseyin Tort¹
¹Gulhane Military Medical Academy, Department of Restorative Dentistry and Endodontics, Etilik/Ankara, Turkey, ²Abant Izzet Baysal University, Bolu, Turkey
- BM41 Characterization of resin ceramic as compared to polymer-infiltrated ceramic-network material and dense ceramics
Hazem Abouelleil¹, Alexis Goujat², Dominique Seux^{1,2}, Julia Bosco³, Pierre Colon^{1,3}, Brigitte Grosogoeat^{1,2}, Nelly Pradelle^{1,3}
¹Laboratoire des Multimatériaux et Interfaces ; UMR CNRS 5615, Université Lyon1, Lyon, France, ²UFR Odontologie, Université Lyon1 ; Service de Consultations et de Traitements Dentaires ; Hospices Civils de Lyon, Lyon, France, ³UFR D'odontologie, Université Paris Diderot; APHP, Hôpital Rothschild, Service d'Odontologie, Paris, France
- BM42 Compression Fracture Resistance of four different Glass-ionomer cements
Domagoj Glavina, Kristina Gorseta, Tomislav Skrinjaric
School of Dental Medicine University of Zagreb, Zagreb, Croatia

Clinical Cases (CC)

- CC01 Full-mouth rehabilitation in a patient affected by severe attrition: interdisciplinary perio-conservative and esthetic approach
Vicente Faus-Matoses¹, Ignacio Faus-Matoses^{2,1}, Ana Teruel-Rodriguez¹, Vicente Faus-Llacer¹
¹University of Valencia. Master in Restorative Dentistry and Endodontics, Valencia/Valencia, Spain, ²University of Valencia. Master in Orthodontics, Valencia/Valencia, Spain

- CC02 Zirconia restoration with CAD-CAM system after orthodontic forced eruption with fiber-reinforced-composite
Jun-Sung Park, Won-Gyun Chung, Yoon Lee
Yonsei University Wonju Severance Christian Hospital, Wonju, Gangwon-do, Republic of Korea
- CC03 Interdisciplinary orthodontics-conservative treatment in a patient with overbite and attrition lesions
Vicente Faus-Matoses¹, Ignacio Faus-Matoses^{2,1}, Lorenzo Valero-Remohí¹, Vicente Faus-Llacer¹
¹University of Valencia. Master in Restorative Dentistry and Endodontics, Valencia, Spain, ²University of Valencia. Master in Restorative Dentistry and Endodontics, Valencia, Spain
- CC04 Interdisciplinary orthodontic conservative treatment in a patient affected by severe tetracycline stains, agenesis and malocclusion
Vicente Faus-Matoses¹, Ignacio Faus-Matoses^{2,1}, Elianys-Yoseli Mavares-Rodriguez¹, Vicente Faus-Llacer¹
¹University of Valencia. Master in Restorative Dentistry and Endodontics, Valencia/Valencia, Spain, ²University of Valencia. Master in Orthodontics, Valencia/Valencia, Spain
- CC05 Interdisciplinary approach: orthodontics and minimal-prep feldspathic veneers to rebuild the anterior guidance
Vicente Faus-Matoses, Ignacio Faus-Matoses, Diana-Carolina Romero-Mora, Vicente Faus-Llacer
University of Valencia, Valencia, Spain
- CC06 Timing in an ortho-conservative-treatment in a patient with attrition due to overbite and decreased overjet
Vicente Faus-Matoses¹, Ignacio Faus-Matoses^{2,1}, Carla García-Cuesta¹, René-Domingo Botello-Torres¹, Vicente Faus-Llacer¹
¹University of Valencia. Master in Restorative dentistry and Endodontics, Valencia, Valencia, Spain, ²University of Valencia. Master in Orthodontics, Valencia, Valencia, Spain
- CC07 Conservative retreatment with biologically oriented preparation technique (b.o.p.t.), orthodontics and direct composites
Vicente Faus-Matoses¹, Ignacio Faus-Matoses^{2,1}, Ignacio Vazquez-Natividad¹, Vicente Faus-Llacer¹
¹University of Valencia. Master in Restorative Dentistry and Endodontics, Valencia, Valencia, Spain, ²University of Valencia. Master in Orthodontics., Valencia, Valencia, Spain
- CC08 Assessment of Patients' Oral Health Related Quality of Life in Treated Hypodontia Patients
Motatum Abu-Awwad, Ken Hemmings, Saja Mannaa, Daljit Gill, Akil Gulamali
University College London - Eastman Dental Institute, London, UK
- CC09 Masking discolored enamel surface with opaquers and tints before direct composite veneering.
Orsalia Vjero, Andreas Spaveras, Maria Antoniadou, Maria Anagnostou
Dental School, Athens, Greece
- CC10 Evaluating quality of life in different groups of patients
Teresa Palomares-Muriana
Dentistry Faculty, Granada, Spain
- CC11 Chairside-fabricated positioning stent for luting indirect restoration on a flat preparation: A case report
Joëlle Dulla, Adrian Lussi
University of Bern, Bern, Switzerland
- CC12 48 months clinical performance of two current glass-ionomer systems in a field study.
Thomas Klinké¹, Amro Daboul¹, Roland Frankenberger², Reinhard Hicke³, Reiner

Biffar¹

¹*Greifswald University, Greifswald, Germany, ²Philipps-University Marburg und University Hospital Gießen and Marburg, Marburg, Germany, ³University Munich, Munich, Germany*

- CC13 Diagnosis and healing follow up of a cutaneous fistulous tract using 3-D images.
Cristina González Losada¹, Alfredo Saralegui Calvo¹, Paula Saralegui González¹
¹*University Complutense, Madrid, Spain, ²University Complutense, Madrid, Spain, ³University Autónoma, Madrid, Spain*
- CC14 10-year follow up of a case of Amelogenesis Imperfect restored free hand with resin composites
L. Sebnem Turkun
Ege University School of Dentistry, Izmir, Turkey
- CC15 Minimal intervention dental treatment for elderly patient
Sevil Gurgan, Zeynep Bilge Kutuk, Filiz Yalcin Cakir
Hacettepe university, Ankara, Turkey
- CC16 A fiber rein-forced composite bridge for missing maxillary lateral incisor
Ali Alabas, Elif Aybala Oktay, Fulya Toksoy Topcu
Gulhane Military Medical Faculty, Department of Restorative Dentistry, Ankara, Turkey
- CC17 Aesthetic approach for bilateral peg shaped maxillary lateral incisors
Ali Alabas, Elif Aybala Oktay, Fulya Toksoy Topcu
Gulhane Military Medical Faculty, Department of Restorative Dentistry, Ankara, Turkey
- CC18 Treatment of fluorosis and enamel hypoplasia with direct laminate veneers
Ali Alabas, Elif Aybala Oktay, Fulya Toksoy Topcu
Gulhane Military Medical Faculty, Department of Restorative Dentistry, Ankara, Turkey
- CC19 Direct laminate veneers instead of orthodontics treatment
Ali Alabas, Elif Aybala Oktay, Fulya Toksoy Topcu
Gulhane Military Medical Faculty, Department of Restorative Dentistry, Ankara, Turkey
- CC20 Some little aesthetic touches with composites to make you happy
Ali Alabas, Elif Aybala Oktay, Fulya Toksoy Topcu
Gulhane Military Medical Faculty, Department of Restorative Dentistry, Ankara, Turkey
- CC21 Only 30 minutes is sufficient for whiter teeth
Ali Alabas, Elif Aybala Oktay, Fulya Toksoy Topcu
Gulhane Military Medical Faculty, Department of Restorative Dentistry, Ankara, Turkey
- CC22 Nonvital bleaching is enough to get a better color
Ali Alabas, Elif Aybala Oktay, Fulya Toksoy Topcu
Gulhane Military Medical Faculty, Department of Restorative Dentistry, Ankara, Turkey
- CC24 Case series demonstrating poly-ether-ether-ketone (PEEK) framework RPDs in the rehabilitation of partially dentate patients.
Zaid Ali^{1,2}, Nicolas Martin^{1,2}, Sarah Baker¹
¹*University of Sheffield, Sheffield, UK, ²Charles Clifford Dental Hospital, Sheffield, UK*
- CC25 Dental inlays using nano-hybrid composite. Do it yourself
Sebastiana Arroyo Bote, Javier Martinez Mmartinez Osorio
Faculty of Dentistry Barcelona University, Barcelona, Spain
- CC26 In case of one tooth absence, discoloration, and mobility, restorative treatment
Ertürk Bilgeç, Fulya Toksoy Topçu, Elif Aybala Oktay
Gulhane Military Medical Faculty, Department of Restorative Dentistry, Ankara, Turkey
- CC27 Quick and alternative solutions for aesthetic expectations
Ertürk Bilgeç, Elif Aybala Oktay, Fulya Toksoy Topçu
Gulhane Military Medical Faculty, Department of Restorative Dentistry, Ankara, Turkey
- CC28 Change the appearance in a session
Ertürk Bilgeç, Fulya Toksoy Topçu, Elif Aybala Oktay
Gulhane Military Medical Faculty, Department of Restorative Dentistry, Ankara, Turkey

- CC29 An esthetic bridge in a session
Ertürk Bilgeç, Elif Aybala Oktay, Fulya Toksoy Topçu
Gulhane Military Medical Faculty, Department of Restorative Dentistry, Ankara, Turkey
- CC30 Minimal invasive treatment to white spot lesion
Ertürk Bilgeç, Fulya Toksoy Topçu, Elif Aybala Oktay
Gulhane Military Medical Faculty, Department of Restorative Dentistry, Ankara, Turkey
- CC31 A resin composite layering approach for solving complex class IV restorations: a case report.
Romain Ceinos^{1,2}, Marie-France Bertrand^{1,2}
¹*Nice Sophia Antipolis University, UFR Odontologie, Department of Conservative Dentistry and Endodontics, Nice, France,* ²*Nice University Hospital, Pôle Odontologie, Nice, France*
- CC32 Additive restorations of anterior teeth: improvement of treatment planning trough Aesthetic Digital Smile Design
Riccardo Tempesta
University of Turin, Turin, Italy
- CC33 Open apex necrotic treatment options. Revitalization versus MTA apical barrier.
Cristina González Losada¹, Alfredo Saralegui Calvo¹, Vicente Vera González¹
¹*Complutense University, Madrid, Spain,* ²*Complutense University, Madrid, Spain,* ³*Complutense University, Madrid, Spain*
- CC34 Conservative dentistry in provisionalization and progressive loading
Javier Martinez Osorio, Sebastiana Arroyo Bote, Esther Lazaro, Esther Berastegui Jimeno
Faculty of Dentistry. Barcelona University, Barcelona, Spain
- CC35 Tridimensional Radiology applied to the treatment of calcified canals in Endodontics
Cristina González Losada¹, Alfredo Saralegui Calvo¹, Paula Saralegui González¹
¹*Complutense University, Madrid, Spain,* ²*Complutense University, Madrid, Spain,* ³*Autonoma University, Madrid, Spain*
- CC36 Subcutaneous emphysema as a complication of endodontic treatment.
Fawad Amin
Bristol Dental Hospital, Bristol, UK
- CC37 A clinical complication of fiber-reinforced ribbon-composite provisional fixed partial denture of an adolescent patient
Derya Merve Halacoglu, Duygu Tuncer, Burcu Oglakci, Neslihan Arhun
Baskent University, Ankara, Turkey
- CC38 Management of the fractured and dehydrated tooth fragment
Derya Merve Halacoglu, Duygu Tuncer, Neslihan Arhun
Baskent University, Ankara, Turkey
- CC39 Conservative treatment of patients received head and neck radiation therapy – Protocols and clinical cases
Angeliki Karveli, Elissavet-Maria Tagka, Dimitris Kambouropoulos, Afrodite Kakaboura
Dental School of Athens, Athens, Greece
- CC40 A magical touch of cryotherapy on oral leukoplakia, a case report
Sencer Secer¹, Didem Dincer², Hilal Ozturk³, Necdet Dogan¹, Hasan Ayberk Altug¹, Metin Sencimen¹, Tamer Zerener¹
¹*Oral and Maxillofacial Surgery Department, Gulhane Military Medical Academy, Ankara, Turkey,* ²*Dermatology Department, Gulhane Military Medical Academy, Ankara, Turkey,* ³*Oral and Maxillofacial Radiology Department, Gulhane Military Medical Academy, Ankara, Turkey*
- CC41 Restorative Clinical Case (Conservative, Periodontics, Oral Surgery, Prosthodontics)
Steve Conteh
Kings College London, London, UK
- CC42 Management of severe tooth wear and occlusal collapse using composite build-up and overdenture

Hayder Ameer^{1,2}

¹Guy's and St Thomas' NHS Trust, London, UK, ²Peninsula Dental School, Plymouth, UK

- CC43 Pulp vitality preservation in traumatic avulsion of maxillary central incisor: case report with 2-year follow-up
Claudio Ghiberto, Riccardo Tempesta, Elio Berutti, Nicola Scotti
University of Turin, Department of Surgical Sciences, Dental School, Turin, Piedmont, Italy
- CC44 Diastema closure treatment with direct resin composite restoration: clinical reports
Solen Gunal, Zeynep Batu
Department of Restorative Dentistry, Istanbul Aydin University, Istanbul, Turkey
- CC45 Direct composite veneers on severely eroded anterior teeth: a case report with 1year follow-up
Alessandro Pezzana
University of Turin, Turin, Piedmont, Italy
- CC46 Neurorehabilitation with Low-Level Laser Therapy after retromolar ridge bone graft: A case report
Despoina Chatzistavrianou, Lochana Nanayakkara
Barts Health NHS Trust, The Royal London Hospital, Turner street, Whitechapel, London, E1 1BB, UK

Dental Education (DE); Endodontics & Pulp Biology (EP); Preventive Dentistry (PD)

- DE01 Bibliometric study of articles about DMF indices and ICDAS published on pubmed
Adjaratou Wakha Aidara¹, Christian Mesenge², Denis Bourgeois³
¹Cheikh Anta Diop University, Dakar, Senegal, ²Université du Québec en Abitibi-Témiscamingue, Québec, Canada, ³Université Claude Bernard Lyon 1, Lyon, France
- DE02 Effect of Education on Dental Students' Attitudes on Caries Prevention
Hande Sar Sancakli¹, Lezize Sebnem Turkun², Yusuf Ziya Bayındır³, Cemal Yesilyurt⁴, Gamze Yildirim², Merve Iscan³, Tugba Serin Kalay⁴, Sevda Ozel Yildiz⁵, Taner Yucel¹, Esra Yildiz¹
¹Istanbul University Faculty of Dentistry Department Of Restorative Dentistry, Istanbul, Turkey, ²Ege University Faculty of Dentistry, Department Of Restorative Dentistry, Izmir, Turkey, ³Ataturk University Faculty of Dentistry, Department Of Restorative Dentistry, Erzurum, Turkey, ⁴Karadeniz Technical University Faculty of Dentistry, Department Of Restorative Dentistry, Trabzon, Turkey, ⁵Istanbul University Faculty of Medicine, Department of Isthatistics, Istanbul, Turkey
- DE03 The application of haptic simulation in manual dexterity performance in first dental students.
Anuradha Polster, Michael Francis Burrow, Matthew Hopcraft
The University of Melbourne, Victoria, Australia
- DE04 CAFS - Enhancing teacher feedback and learner reflection in clinical dental education
Upen Patel, James Kelly, David Attrill, Deborah White, Giles Perryer
School of Dentistry, University of Birmingham, Birmingham, UK
- DE05 The CAD/CAM unit in Paris Descartes University: for and by students
Anne-Margaux Collignon^{1,2}, Claudine Wulfman^{1,3}, Boris Jakubowicz^{1,4}, Mathieu Derbanne¹, Bruno Zamansky¹, Nicolas Lebon^{1,5}, Stephane Le Goff^{1,4}, Aurelie Dubroca^{1,3}, Laurent Tapie^{1,5}, Jean-Pierre Attal^{1,4}
¹Paris Descartes University, Biomaterials laboratory URB2i – EA 4462, Platinum, Paris, France, ²Paris Descartes University, Department of Conservative Dentistry, Paris, France, ³Paris Descartes University, Department of Prosthodontics, Paris, France, ⁴Paris Descartes University, Department of Biomaterials, Paris, France, ⁵Paris Descartes University, Department of Engineering Research, Paris, France
- DE06 Comparing the Effectiveness of Dental Health Education Program Using Digital Aids

and Conventional Methods

Kundabala Mala

Manipal College of Dental Sciences, Mangalore, Mangalore, India

- DE07 Dental pre-clinical education with haptic-based virtual reality: state of art and challenges
Minh Tran Bui^{1,2}, Céline Gaucher^{1,2}, Jean-Jacques Lasfargues^{1,3}
¹*Conservative dentistry and Endodontics department of Paris Descartes dental school, Montrouge, France,* ²*Albert Chenevier Hospital, GHM, AP-HP, Creteil, France,* ³*Bretonneau hospital, HUPNVS, AP-HP, Paris, France*
- DE08 Qualitative Analysis of Dental Practitioners' Perceptions of a Part Time Master's in Restorative Dentistry
Peter Fine, Albert Leung, Chris Louca
UCL Eastman Dental Institute, London, UK
- EP01 Clinical outcomes of non-surgical root canal treatment of mandibular second molar with C-shaped canals
Hye-Ra Ahn, Young-Mi Moon, Min-Seock Seo
Wonkwang university daejeon dental hospital, Daejeon, Chungcheongnam-do, Republic of Korea
- EP02 *In Vitro* Assessment of Force Generated by Different Novel Nickel-Titanium Rotary Systems
Anwer Eshaq, Salman Alsalman, Federico Foschi, Francesco Mannocci
King's College Of London, London, UK
- EP03 Bacterial invasion into radicular dentine
Simone Stauffacher¹, Klaus W. Neuhaus¹, Adrian Lussi¹, Sigrun Eick²
¹*University of Bern: Department of Preventive, Restorative, and Pediatric Dentistry, Bern, Switzerland,* ²*University of Bern: Department of Periodontology, Bern, Switzerland*
- EP04 Representative Survey on the Reprocessing of Endodontic Instruments in Germany
David Sonntag, Evelyn Martin, W.H.-M. Raab
Department of Operative and Preventive Dentistry, Periodontology and Endodontology, Düsseldorf, Germany
- EP05 Cyclic fatigue resistance of conventional and new generation nickel-titanium rotary instruments. an in vitro comparison.
Celia Ruiz-Sánchez, Vicente Faus-Matoses, Teresa Alegre-Domingo, Vicente J. Faus-Llácer
Valencia University. Master in Restorative Dentistry and Endodontics, Valencia, Valencia, Spain
- EP06 C-shaped root canals of mandibular second molars: an *in vivo* cone-beam computed tomography study
Yemi Kim
Department of Conservative Dentistry, Ewha Womans University, Seoul, Republic of Korea
- EP07 Sealing ability of 2 root-end filling materials: a comparative in-vitro study
Blanca Faci-Martín¹, Vicente Faus-Matoses², Teresa Alegre-Domingo³, Vicente J. Faus-Llácer⁴
¹*Valencia University. Master Student in Restorative Dentistry and Endodontics, Valencia, Valencia, Spain,* ²*Valencia University. Associate Professor of Master in Restorative Dentistry and Endodontics., Valencia, Valencia, Spain,* ³*Valencia University. Associate Professor of Master in Restorative Dentistry and Endodontics., Valencia, Valencia, Spain,* ⁴*Valencia University. Professor and Director of the Master in Restorative Dentistry and Endodontics., Valencia, Valencia, Spain*
- EP08 Photodynamic inactivation of intracanal bacteria by light-activation through dental hard and surrounding tissue *in vitro*
Fabian Cieplik¹, Andreas Pummer¹, Johannes Regensburger², Tim Maisch², Karl-Anton Hiller¹, Gottfried Schmalz^{1,3}, Wolfgang Buchalla¹
¹*Department of Conservative Dentistry and Periodontology, University Medical Center Regensburg, Regensburg, Germany,* ²*Department of Dermatology, University Medical*

Center Regensburg, Regensburg, Germany, ³Department of Preventive, Restorative and Pediatric Dentistry, School of Dental Medicine, University of Bern, Bern, Switzerland

- EP09 Push-out bond strength of fiber post to root dentin using three different resin cements
Lourdes Garcia-Gimenez, Vicente Faus-Matoses, Teresa Alegre-Domingo, Vicente Faus-Llacer
University of Valencia, Valencia, Spain
- EP10 Micro-CT analysis of root canal space of teeth restored with fiber glass posts
Renata Chalas¹, Marta Jurczykowska¹, Karol Szlajak², Jakub Jaroszewicz², Wojciech Swieszkowski², Krzysztof Jan Kurzydłowski²
¹Department of Conservative Dentistry and Endodontics, Medical University of Lublin, Lublin, Poland, ²Faculty of Materials Science and Engineering, Warsaw University of Technology, Warsaw, Poland
- EP11 A novel luting resin composite core material
Ahmed Subhy, Luis Rojo, Sanjukta Deb
King's College London, London, UK
- EP12 The influence of the irrigation protocol in the organic and inorganic radicular dentin composition.
Marta Baron¹, Nuria Escribano¹, Maria Linares², Victoria Morales², Maria Victoria Fuentes¹, Laura Ceballos¹
¹Rey Juan Carlos University, Alcorcón, Madrid, Spain, ²Rey Juan Carlos University, Móstoles, Madrid, Spain
- PD01 Calcium Therapy Preserves Periodontium and Dentition
Mark J. Manhart DDS, Srijita Sen-Crowdhry MD, Kim Truka DDS, Thomas B Steg DDS, James Rezac DDS, Derek Golding DDS, Suzan Hahn DDS
Calcium Therapy Inst., Omaha NE 68114, USA
- PD02 A novel hand-held reflectometer to quantify enamel erosion: correlation with surface microhardness and calcium release.
Thiago S. Carvalho, Tommy Baumann, Ekaterina Rakhmatullina, Adrian Lussi
University of Bern, Bern, Switzerland
- PD03 In Vitro Monitoring of the Erosion Progression by a New Optical Device
Julia Kozik, Thiago Saads Carvalho, Adrian Lussi
University of Berne, School of Dental Medicine, Berne, Switzerland
- PD04 Fluoride varnish versus tray application for head and neck cancer patients' caries prevention
Melanie Nasseripour¹, Siham Khoulane¹, Geraldine Lescaille¹, Marie-José Javelot¹
¹La Pitié Salpêtrière Hospital, Paris, France, ²Paris 7 University, Paris, France
- PD05 A national pilot study comparing prevalence of caries measured with DMF vs ICDAS in Senegal
Adjaratou Wakha Aidara^{1,2}, Fatou Leye-Benoist¹, Denis Bourgeois²
¹Cheikh Anta Diop University, Dakar, Senegal, ²Claude Bernard Lyon 1 University, Lyon, France
- PD06 First Iberian Clinical Practice Guideline for the prevention and non-invasive treatment of dental caries
Elias Casals-Peidro^{1,2}, Mari Angeles Garcia-Pereiro^{3,4}
¹Institut Català de la Salut, Granollers (Barcelona), Spain, ²Sociedad Española de Epidemiología y Salud Pública Oral (SESPO), Madrid, Spain, ³Badalona Serveis Assistencials, Badalona (Barcelona), Spain, ⁴Universitat de Barcelona, L'Hospitalet de Llobregat (Barcelona), Spain
- PD07 The wettability of different adhesive systems in superficial and deep dentine
Derya Merve Halaçoğlu, Duygu Tuncer, Zümrüt Ceren Salman, Neslihan Arhun
Baskent University, Ankara, Turkey
- PD08 The Relation Between Caries Risk Levels and Salivary Immunoglobulins Of Individuals Aged 21-23
Aysegul Kaya¹, Tijen Pamir¹, Necil Kutukculer²

¹Ege University School of Dentistry, Izmir/ Bornova, Turkey, ²Ege University School of Medicine, Izmir/ Bornova, Turkey

- PD09 Effect of loupe and head lamp on the visual caries detection using ICDAS
Edi Jasarevic, Isabelle Hug, Klaus Neuhaus, Adrian Lussi
Department of Preventive, Restorative and Pediatric Dentistry, University of Bern, Bern, Switzerland
- PD10 Reproducibility of near-infrared light transillumination for approximal enamel caries: a clinical controlled trial
Fabian Jost¹, Jan Kühnisch², Adrian Lussi¹, Klaus Neuhaus¹
¹Department of Preventive, Restorative and Pediatric Dentistry, University of Bern, Bern, Switzerland, ²Department of Conservative Dentistry and Periodontology, Ludwig-Maximilians-University of Munich, Munich, Germany
- PD11 Oral health status of non-phobic/dentally phobic individuals: Secondary analysis of the Adult Health Dental Survey
Ellie Heidari, Avi Banerjee, Tim Newton
King's College London, London, UK
- PD12 FoodForTeeth: A novel approach to diet diaries, caries risk and erosion risk
Prateek Biyani¹, Jasneet Gulati²
¹The University of Sheffield, Sheffield, UK, ²Guy's and St Thomas' NHS Foundation Trust, London, UK
- PD13 Design, build and validation of a realistic artificial mouth model for erosion testing.
Abubaker Qutieshat, Graham Chadwick, Andrew Mason
University of Dundee, Dundee, UK
- PD14 Dental sealants: comparison of different materials in a prospective, controlled, split-mouth clinical trial
Matteo Basso¹, Manuel Goñe Benites¹, Piyush Khandelwal², Malek Turqui¹
¹University of Milan, Galeazzi Orthopaedic Institute, Dental Clinic, Milan, Italy, ²GC Europe NV, Leuven, Belgium

Operative Dentistry (OD)

- OD01 Effectiveness of optical illusion techniques for anterior diastema closure with one composite resin veneer.
Thomai Katsarou, Maria Antoniadou, Stratis Papazoglou
Dental School of Athens, Athens, Greece
- OD02 Closing the Gap: the role of virtual reality in linking preclinical and clinical operative skills
Catherine Snelling
University of Adelaide, Adelaide, Australia
- OD03 Margin integrity and mechanical properties of selectively excavated and differently restored teeth in vitro
Falk Schwendicke¹, Matthias Kern², Christof Dörfer³, Julia Kleemann-Lübkes³, Uwe Blunck¹, Sebastian Paris¹
¹Department of Operative and Preventive Dentistry, Charité - Universitätsmedizin Berlin, Berlin, Germany, ²Department of Prosthodontics, Propaedeutics and Dental Materials, Christian-Albrechts Universität, Kiel, Germany, ³Department for Conservative Dentistry and Periodontology, Christian-Albrechts Universität, Kiel, Germany
- OD04 Effect of Combining Radiographs and DIAGNOdent with Visual Examination on Detection of Occlusal Caries
Qasem Alomari, Muawia Qudeimat, Mai Khalaf, Yacoub Al-Tarakemah
Kuwait University, Kuwait, Kuwait
- OD05 Airborne-particle Abrasion Is a Minimally Invasive Method to Pre-Treat Sclerotic, Non-Carious Cervical Dentin
Simon Flury, Anne Peutzfeldt, Adrian Lussi
Department of Preventive, Restorative and Pediatric Dentistry, School of Dental

Medicine, University of Bern, Switzerland

- OD06 Non-invasive proximal adhesive restoration (NIPAR) compared to infiltration technique for treating initial proximal carious lesions
Marwa Abdelaziz¹, Adele Lodi Rizzini¹, Tissiana Bortolotto¹, Albert Feilzer², Ivo Krejci¹
¹University of Geneva, Geneva, Switzerland, ²University of Amsterdam, Amsterdam, The Netherlands
- OD07 Reasons for placement and replacement of direct restorative materials in Turkey.
Hakan Çolak¹, Çoruh Türksel Dülgergil¹, Ertugrul Ercan¹, Abdülkadir Şengün¹
¹Ishik University School of Dentistry, Erbil, Iraq, ²Kirikkale University School of Dentistry, Kirikkale, Turkey
- OD08 Analysis of cyclic thermal stress on restored tooth using finite element analysis
Yoon Lee¹, WooRham Han², Ho-Bum Kwon², Deog-Gyu Seo²
¹Yonsei University Wonju Severance Christian Hospital, Wonju, Republic of Korea, ²Seoul National University School of Dentistry, Seoul, Republic of Korea
- OD09 One year clinical performance of root surface restorations in older adults
Martina Hayes, Cristiane da Mata, Francis Burke, Finbarr Allen
University College Cork, Cork, Ireland
- OD10 Can reduced-step polishers be as effective as multi-steps on enhancing surface smoothness?
Hande Kemaloglu, Gamze Yildirim, L. Sebnem Turkun
Ege University School of Dentistry, Department of Restorative Dentistry, Izmir, Turkey
- OD11 Real bulk restorative technique with a dual cured bulk fill composite and one component adhesive
Tissiana Bortolotto¹, Marwa Abdelaziz¹, Ivo Krejci¹
¹Faculty of Medicine, University Clinic of Dental Medicine, Geneva, Switzerland, ²Faculty of Medicine, University Clinic of Dental Medicine, Geneva, Switzerland, ³Faculty of Medicine, University Clinic of Dental Medicine, Geneva, Switzerland
- OD12 comparing self-etch adhesives for the infiltration of non-cavitated carious lesions
Marwa Abdelaziz¹, Adele Lodi Rizzini¹, Albert Feilzer², Ivo Krejci¹
¹University of Geneva, Geneva, Switzerland, ²ACTA, Amsterdam, The Netherlands
- OD13 Comparison of conventional vs spectrophotometric methods of shade selection regarding experience
Duygu Recen, Banu Onal, L. Sebnem Turkun, Hazal Cankurt
Ege University School of Dentistry, Izmir, Bornova, Turkey
- OD14 Microleakage Evaluation of Direct Composite Inlay, Indirect Porcelain Inlay and Teeth Restored with Cad/Cam Systems
Damla Ibrahimov, Ertugrul Ercan
Kirikkale University, Faculty of Dentistry, Kirikkale, Turkey
- OD15 Evaluation of dentinal tubule occlusion by Nd:YAG and Er:YAG lasers: Real-time measurement of dentinal fluid flow
Inbog Lee, Minho Kim, Ryan Kim
School of Dentistry, Seoul National University, Seoul, Republic of Korea
- OD16 22-Months Survival of Deep Dentin Caries Lesions: A Retrospective Clinical Study
Sukran Bolay, Fatma Dilsad Oz, Ceren Ozge Bicer, Elif Ozturk
Hacettepe University, Ankara, Turkey
- OD17 Influence of different shade of luting cements on feldspatic and lithium-disilicate veneers of varying thicknesses
Michele Ribero, Allegra Comba, Damiano Pasqualini, Mario Alovisei, Elio Berutti, Nicola Scotti
university of turin, turin, Italy
- OD18 A novel protocol for predictable placement of prefabricated veneers.
Dimitrios Spagopoulos, Efstratios Papazoglou
Department of Operative Dentistry, Dental school, University of Athens,, Athens, Greece

- OD19 Importance of conditioner on marginal sealing of cavity fillings using Sonicfill^{1M}
Sebastiana Arroyo Bote, Javier Martinez Martinez Osorio
Faculty of Dentistry Barcelona University, Barcelona, Spain
- OD20 Evaluation of self-adhering materials as desensitizing agents in xerostomic patients with head and neck cancer.
Roberto Pinna, Giovanni Sotgiu, Simone Dore, Egle Milia
University of Sassari, Sassari, Sardinia, Italy
- OD21 Does the Silane in Multi-mode Universal Adhesive function to Lithium Disilicate?
Hyunyoung Lee, Byeong-Hoon Cho, Ho-Hyun Son
Department of Conservative Dentistry, School of Dentistry and Dental Research Institute, Seoul National University, Seoul, Republic of Korea
- OD22 Tooth-composite interaction of self-adhering flowable composites
Christina Brückner, Hartmut Schneider, Rainer Haak
Department of Cariology, Endodontology and Periodontology, University of Leipzig, Leipzig, Germany
- OD23 Composite onlays constructed with semidirect technique in mounted silicone casts
Nektarios-Nikolaos Vasilopoulos, Dimitra Kafetzi, Michalis Diomataris, Sofia Diamantopoulou, Efstratios Papazoglou
School Of Dentistry, National and Kapodistrian University of Athens, Athens, Greece
- OD24 Marginal adaptation of class V cavities prepared with a Quantum Square Pulse Er:YAG laser
Izabella Nerushay, Anastasia Ryabova, Ivo Krejci
University of Geneva, Geneva, Switzerland
- OD25 Influence of Carbodiimide Cross-Linking on bond strength stability of universal adhesive to radicular dentin
Guido Gregori
University of Turin, Dental School, Turin, Italy
- OD26 Comparison of optical characteristics of resin composite by the different finishing and polishing system
A-Ra Jo, Sung-Eun Yang
Department of Conservative Dentistry, Seoul St. Mary's Dental Hospital, Catholic University of Korea, Seoul, Republic of Korea
- OD27 Prospective Clinical two year Split-mouth-study comparing Flowable Composites in Class-V-Restorations
Sabine May^{2,1}, Karl-Anton Hiller¹, Gottfried Schmalz¹, Wolfgang Buchalla¹, Marianne Federlin¹
¹University of Regensburg Dental School, Department of Conservative Dentistry and Periodontology, Regensburg, Germany, ²Private Praxis, Amberg, Germany
- OD28 3-Years clinical outcome of direct pulp capping performed with different resin-based materials
Marco Cuppari, Francesco Petrolo, Giulia Massano, Mario Alovisi, Damiano Pasqualini, Elio Berutti, Nicola Scotti
University of Turin, Dental School, Torino, Italy
- OD29 Fracture resistance of endodontically treated teeth. An in vitro comparison between two post restoration techniques
Paula Gómez-Pérez, Vicente Faus-Matoses, Teresa Alegre-Domingo, Vicente J. Faus-Llácer
University of Valencia. Master in Restorative dentistry and Endodontics, Valencia, Valencia, Spain
- OD30 Fracture resistance of three restoration techniques: An in-vitro comparative study.
Sara Sepúlveda Tendillo, Vicente Faus-Matoses, Teresa Alegre-Domingo, Vicente J. Faus-Llácer
Valencia University. Master in Restorative Dentistry and Endodontics, Valencia, Valencia, Spain

- OD31 Marginal sealing of bulk-fill composite at dentin cervical margin after thermal cycling: evaluation by OCT
Gabriele Ventura¹, Allegra Comba¹, Anna Luganini³, Mario Alovisi¹, Camilla Alovisi², Elio Berutti¹, Nicola Scotti¹
¹University of Turin, Department of Surgical Sciences, Dental School, Piemonte, Italy, ²University of Turin, Department of Surgical Sciences, Clinica Oculistica, Piemonte, Italy, ³Department of Life Sciences and Systems Biology, University of Turin, Piemonte, Italy
- OD32 Comparison of silorane and conventional composites for water sorption and mechanical properties with adhesive coating
Burak Gumustas¹, Begum Guray Efes²
¹Medipol University, Istanbul, Turkey, ²Istanbul University, Istanbul, Turkey
- OD33 *In vitro* evaluation of the bond strength of indirect composite restorative material to bleached enamel
Isil Dogruer¹, Can Dorter²
¹Istanbul Yeni Yuzyil University, Istanbul, Turkey, ²Istanbul University, Istanbul, Turkey
- OD34 Effect of bulk thickness on microhardness of different bulk fill resin composites
Ugur Erdemir¹, Emre Ozel², Fulya Topcu³, Murat Tiryaki¹, Elif Aybala Oktay³, Miyiddin Saypullaev¹
¹Department of Operative Dentistry, Istanbul University Faculty of Dentistry, Istanbul, Turkey, ²Department of Restorative Dentistry, Faculty of Dentistry, University of Kocaeli, Kocaeli, Turkey, ³Department of Endodontics and Conservative Dentistry, Gulhane Military Medical Academy, Ankara, Turkey
- OD35 Sealing performance of resin composite to pulp chamber floor: evaluation by Optical Coherence Tomography
Alessandro Boaglio¹, Allegra Comba¹, Andrea Coscio¹, Mario Alovisi¹, Camilla Alovisi², Elio Berutti¹, Nicola Scotti¹
¹University of Turin, Department of Surgical Sciences, Dental School, Italy, Turin, Italy, ²University of Turin, Department of Surgical Sciences, Clinica Oculistica, Italy, Turin, Italy
- OD36 Color of conventional glass ionomer restoratives compared to shade guides
Panagiotis Ntovas, Panagiotis Lagouvardos
School of Dentistry, University of Athens, Athens, Attica, Greece
- OD37 The effect of different solutions on the shear bond strength of repaired leucite ceramics
Aylin Cilingir¹, Meryem Gulce Subas², Sevgi Zorlu³, Magrur Kazak⁴, Didem Oner Ozdas³, Solen Gunal⁴
¹Trakya University Faculty of Dentistry Department of Restorative Dentistry, Edirne, Turkey, ²Istanbul Aydin University Faculty of Dentistry Department of Prosthodontics, Istanbul, Turkey, ³Istanbul Aydin University Faculty of Dentistry Department of Pedodontics, Istanbul, Turkey, ⁴Istanbul Aydin University Faculty of Dentistry Department of Restorative Dentistry, Istanbul, Turkey
- OD38 Effect of pre-treatment of hybrid CAD-CAM blocks on shear bond strength with self-adhering resin cements.
Christina Boutsiouki, Kosmas Tolidis, Paris Gerasimou
Aristotle University of Thessaloniki, Thessaloniki, Greece
- OD39 Have French dentists implemented recent concepts in cariology into everyday practice for occlusal caries lesions?
Sophie Doméjean¹, Stéphanie Léger², Marie Maltrait¹, Ivar Espelid³, Anna Tveit³, Stéphanie Tubert-Jeannin¹
¹UFR d'Odontologie, EA 4847, Centre de Recherche en Odontologie Clinique, Clermont-Ferrand, France, ²Univ Blaise Pascal, Département de Mathématiques, Clermont-Ferrand, France, ³Faculty of Dentistry, University of Oslo, Oslo, Norway
- OD40 Biocompatibility of a new fiber-reinforced composite: an in-vitro study
Lina Dimosiari, Fany Ziouti, Elisabeth Koulaouzidou
Aristotle University of Thessaloniki, Thessaloniki, Greece

- OD41 Influence of DCC in ethanol-wet bonding technique on bond strength to radicular dentin
*Nicola Scotti¹, Carlotta Giuliano¹, Laura Sponzilli¹, Annalisa Mazzoni², Lorenzo Breschi²,
Valeria Angeloni³*
*¹University of Turin, Turin, Italy, ²University of Trieste, Trieste, Italy, ³University of
Bologna, Bologna, Italy*
- OD42 Assessment of the Accuracy and Repeatability of Shade Taking using Visual and Digital
Shade Guides
Eman Mottaleb, Wei- Ming Tay, Chris Louca, Albert Leung, Robert Blizard
Eastman Dental Institute, London, UK
- OD43 Resin infiltration of non-cavitated proximal caries lesions: a systematic review
Ermeline Daniel^{1,2}, Elodie Savard^{1,2}, Roddy Kheng^{1,2}, Elisabeth Dursun^{1,2}
¹Paris Descartes University, Paris, France, ²A. Chenevier Hospital, Créteil, France
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restorations
Colin McQuirk, Fariha Hussain, Brian Millar
KCL, London, UK