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 CADCAM.
    Bas Loomans
    AODES, ,, UK

    AODES Members’ Annual Meeting
    AODES Committee
    AODES, ,, UK

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
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-Momeni³, Sophie Doméjean¹
¹Colgate, UK, ²KCL, ³UK

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
Flemming 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
Flemming 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 Flemming 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 Flemming 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 Oziegbé, 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, 1Department 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 Almahdy1,2, Garrit Koller1, Frederic Festy1, Jörg Bartsch1,3, 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 Guran1, Reinhard Hickel2, 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 Ali1,2, Nicolas Martin1,2, 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,
**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 Koizumi¹  
¹Nihon University School of Dentistry, Tokyo, Japan

**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**

µTBS of an etch-and-rinse adhesive system enriched with Chlorhexidine-digluconate Loaded Nanodroplets  
Stefania Rivarossa¹, Diletta Basile¹, Riccardo Tempesta¹, Marta Gai², Caterina Guio³, Roberta Cava³, Elio Berutti¹, Nicola Scotti¹  
¹Dental School, University of Turin, Turin, 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 Breschi², Elio Berutti¹, Nicola Scotti¹  
¹Dental school, university of Turin, Turin, 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 Dehn³, 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 Atas², Ayse Tugce Tunac³, 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.
**BM23**

Cytotoxicity of high temperature pressure polymerized resin infiltrated ceramic networks on human oral stem cells

*Oana Andreea Miclaus, Allegra Comba, Damiano Pasqualini, Mario Alovisi, Elio Berutti, Nicola Scotti*

*University of Turin, Department of Surgical Sciences, Dental School, Turin, Italy*

Eric Bonte$^{1,4}$, Mathilde Tassin$^2$, Tsouria Berbar$^2$, Ludwig Loison Robert$^{1,2}$, Michael Sadoun$^{3,5}$, Benjamin Fournier$^{2,2}$

$^1$Paris Descartes University, Sorbonne Paris Cité, Dental faculty, Paris, France, $^2$INSERM UMR 1138, Cordeliers research center, Paris, France, $^3$URB2, Paris Descartes Dental faculty, Paris, France, $^4$Bretonneau Hospital, AP-HP, Paris, France, $^5$Paris Diderot University, dental faculty Garancière, Paris, France

**BM24**

Which methodological factors influence the shear-bond strength of fissure sealants?

*Eric Bonte$^1$, Mathilde Tassin$^2$, Tsouria Berbar$^2$, Ludwig Loison Robert$^{1,2}$, Michael Sadoun$^3$, Benjamin Fournier$^{2,2}$*

$^1$Paris Descartes University, Sorbonne Paris Cité, Dental faculty, Paris, France, $^2$INSERM UMR 1138, Cordeliers research center, Paris, France, $^3$URB2, Paris Descartes Dental faculty, Paris, France

**BM25**

Immediate adhesive properties to dentine of two “universal” adhesives

*Vinay Pitchika$^1$, Meng-Ling Chiang$^2$, Sebastian Birlbauer$^1$, Alexander Crispin$^1$, Reinhard Hickel$^1$, Nicoleta Ilie$^1$, Jan Kühnisch$^1$*

$^1$Ludwig Maximilians University of Munich, Munich, Germany, $^2$School of Dentistry, Taipei, Taiwan

**BM26**

Bisphenol A release: a comprehensive survey on the composite resin composition.

*Elisabeth Dursun$^{1,2}$, Jean-Pierre Atta$^{1,4}$, Hélène Fron$^{1,4}$, Anne Raskin$^{1,5}$*

$^1$Paris Descartes University, Paris, France, $^2$Aix-Marseille University, Marseille, France, $^3$A. Chevenevier Hospital, Creteil, France, $^4$C. Foix Hospital, Ivry-sur-Seine, France, $^5$La 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, Turin, 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?

*Abdülkadir Sengun$^1$, Hakan Colak$^2$, Ertugrul Erkan$^1$, Mehmet Mustafa Hamidi$^1$, Hassan Al Yousuf$^1$*

$^1$Kirikkale University School of Dentistry Department of Restorative Dentistry, Kirikkale, Turkey, $^2$Ishik 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, Riham Nabi
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 Ozturk, Gizem Guder
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 Debernardi, Emanuele Bergantin, Gianluca Turco, Elio Berutti, Nicola Scotti
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: μTBS test Francesco Llerda
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, Tilm Watson, Frederic Festy
King’s Colleage London, London, UK

BM40 Are the biomimetic therapies promising for direct pulp capping? Elif Aybala Oktay, Ülkü Özcan, Fulya Toksoy Topçu, Huseyin Tort
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 Abouelleil, Alexis Goujat, Dominique Seux, Julia Bosco, Pierre Colon, Brigitte Grosgeogat, Nelly Pradelle
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-Matoses, Ignacio Faus-Matoses, Ana Teruel-Rodriguez, Vicente Faus-Llacer
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-Matoses², Lorenzo Valero-Remohi³, Vicente Faus-Llacer⁴
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, agenesias and malocclusion
Vicente Faus-Matoses¹, Ignacio Faus-Matoses²,1, Elianys-Yoseli Mavares-Rodriguez³, Vicente Faus-Llacer⁴
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, Igancio Faus-Matoses², Carla Garcia-Cuesta¹, René-Domingo Botello-Torres¹, Vicente Faus-Llacer⁴
¹University of Valencia. Master in Restorative dentistry and Endodontics, Valencia, Spain, ²University of Valencia. Master in Orthodontics, Valencia, Spain

CC07 Conservative retreatment with biologically oriented preparation technique (b.o.p.t.), orthodontics and direct composites
Vicente Faus-Matoses¹, Ignacio Faus-Matoses²,1, Ignacio Vazquez-Natividad³, Vicente Faus-Llacer⁴
¹University of Valencia. Master in Restorative Dentistry and Endodontics, 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
Motasum 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 Klinke¹, Amro Daboul¹, Roland Frankenberger², Reinhard Hickey³, Reiner
Diagnosis and healing follow up of a cutaneous fistulous tract using 3-D images.
Cristina González Losada¹, Alfredo Saralegui Calvo¹, Paula Saralegui González²
¹University Complutense, Madrid, Spain, ²University Complutense, Madrid, Spain

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

Minimal intervention dental treatment for elderly patient
Sevil Gurgan, Zeynep Bilge Kutuk, Filiz Yalcın Cakir
Hacettepe university, Ankara, Turkey

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

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

Treatment of fluorois 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

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

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

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

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

Case series demonstrating poly-ether-ether-ketone (PEEK) framework RPDs in the rehabilitation of partially dentate patients.
Zaid Ali¹,², Nicolas Martin¹,², Sarah Baker¹
¹University of Sheffield, Sheffield, UK, ²Charles Clifford Dental Hospital, Sheffield, UK

Dental inlays using nano-hybrid composite. Do it yourself
Sebastiana Arroyo Bote, Javier Martinez Martinez Osorio
Faculty of Dentistry Barcelona University, Barcelona, Spain

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

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

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 Ceinos¹,², Marie-France Bertrand¹,²  
¹Nice Sophia Antipolis University, UFR Odontologie, Department of Conservative Dentistry and Endodontics, Nice, France, ²Nice 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 Losada³, Alfredo Saralegui Calvo¹, Vicente Vera González²  
¹Complutense University, Madrid, Spain, ²Complutense University, Madrid, Spain, ³Autonoma 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 González³  
¹Complutense University, Madrid, Spain, ²Complutense University, Madrid, Spain, ³Autonoma 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 Halacoğlu, Duygu Tuncer, Burcu Oglakci, Neslihan Arhun  
Baskent University, Ankara, Turkey

CC38 Management of the fractured and dehydrated tooth fragment  
Derya Merve Halacoğlu, 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 Ozturk², Necdet Dogan¹, Hasan Ayberk Altug¹, Metin Sencimen¹, Tamer Zerener¹  
¹Oral and Maxillofacial Surgery Department, Gulhane Military Medical Academy, Ankara, Turkey, ²Dermatology Department, Gulhane Military Medical Academy, Ankara, Turkey, ³Oral 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
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 1-year 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 Aidara, Christian Mesenge, Denis Bourgeois
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 Saracakti, Lezize Sebnem Turkun, Yusuf Ziya Bayındır, Cemal Yesilyurt, Gamze Yıldırım, Merve İscani, Tugba Serin Kalay, Sevda Özlem Yıldız, Taner Yucel, Esra Yıldız
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 Isstatistics, 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, Claudine Wullman, Boris Jakubowicz, Mathieu Derbanne, Bruno Zamansky, Nicolas Lebon, Stephane Le Goff, Aurelie Dubroca, Laurent Tapie, Jean-Pierre Attal
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
DE07
Dental pre-clinical education with haptic-based virtual reality: state of art and challenges
Minh Tran Bui1,2, Céline Gaucher1,2, Jean-Jacques Lasfargues1,3
1Conservative dentistry and Endodontics department of Paris Descartes dental school, Montrouge, France, 2Albert Chenevier Hospital, GHGM, AP-HP, Creteil, France, 3Bretonneau 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
1University of Bern: Department of Preventive, Restorative, and Pediatric Dentistry, Bern, Switzerland, 2University 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-Llacer
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-Llacer4
1Valencia University. Master Student in Restorative Dentistry and Endodontics, Valencia, Valencia, Spain, 2Valencia University. Associate Professor of Master in Restorative Dentistry and Endodontics, Valencia, Valencia, Spain, 3Valencia University. Associate Professor of Master in Restorative Dentistry and Endodontics, Valencia, Valencia, Spain, 4Valencia 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 Schmalz1,2, Wolfgang Buchalla1
1Department of Conservative Dentistry and Periodontology, University Medical Center Regensburg, Regensburg, Germany, 2Department of Dermatology, University Medical
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 Chalas**, Marta Jurczykowska, Karol Szlazak, Jakub Jaroszewicz, Wojciech Świeszkowski, Krzysztof Jan Kurzydlowski  
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 Baron**, Nuria Escribano, Maria Linares, Victoria Morales, Maria Victoria Fuentes, Laura Ceballos  
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 Nasseripour**, Siham Khoulane, Geraldine Lescaille, Marie-José Javelot  
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 Wakah Aïdara**, Fatou Leye-Benoist, Denis Bourgeois  
1Cheikh Anta Diop University, Dakar, Senegal, 2Claude Bernard Lyon 1 University, Lyon, France

PD06  
The wettability of different adhesive systems in superficial and deep dentine  
**Derya Merve Halacoglu**, Duygu Tuncer, Zümrüt Ceren Salman, Neslihan Arhun  
Baskent University, Ankara, Turkey

PD07  
The Relation Between Caries Risk Levels and Salivary Immunoglobulins Of Individuals Aged 21-23  
**Aysegul Kaya**, Tijen Pamir, Necil Kutukculer  
University of Valencia, Valencia, Spain
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
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 Dörfer2, 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
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 Colak1, Çoruh Türküel Dülgergil1, Ertugrul Ercan1, Abdulkadir 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 Alovisi, 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
Importance of conditioner on marginal sealing of cavity fillings using Sonicfill™

Sebastiana Arroyo Bote, Javier Martínez Martínez Osorio
Faculty of Dentistry Barcelona University, Barcelona, Spain

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

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

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

Composite onlays constructed with semidirect technique in mounted silicone casts

Nektarios-Nikolaos Vasilopoulos, Dimitra Kafetzzi, Michalis Diomataris, Sofia Diamantopoulou, Efratrios Papazoglou
School Of Dentistry, National and Kapodistrian University of Athens, Athens, Greece

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

Influence of Carbodiimide Cross-Linking on bond strength stability of universal adhesive to radicular dentin

Guido Gregori
University of Turin, Dental School, Turin, Italy

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

Prospective Clinical two year Split-mouth-study comparing Flowable Composites in Class-V-Restorations

Sabine May¹,², Karl-Anton Hiller³, Gottfried Schmalz¹, Wolfgang Buchalla¹, Marianne Federlin¹
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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

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
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Sara Sepúlveda Tendillo, Vicente Faus-Matoses, Teresa Alegre-Domingo, Vicente J. Faus-Llácer
Valencia University. Master in Restorative Dentistry and Endodontics, Valencia, Spain
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

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

In vitro evaluation of the bond strength of indirect composite restorative material to bleached enamel
İsil Dogruer¹, Can Dorter²
¹Istanbul Yeni Yuzul University, Istanbul, Turkey, ²Istanbul University, Istanbul, Turkey

Effect of bulk thickness on microhardness of different bulk fill resin composites
Ugur Erdemir¹, Emre Ozef, Fulya Topçu³, Murat Tiryaki¹, Elif Aybala Oktay⁵, Miyiddin Saypullaev⁷
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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
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Color of conventional glass ionomer restoratives compared to shade guides
Panagiotis Ntovas, Panagiotis Lagouvardos
School of Dentistry, University of Athens, Athens, Attica, Greece

The effect of different solutions on the shear bond strength of repaired leucite ceramics
Aylin Cilingir¹, Meryem Gulce Subasi², Sevgi Zorlu³, Magrur Kazak⁴, Didem Oner Ozdas¹, Solen Gunal⁴
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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

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-Jeannin⁴
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

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
Ermelne Daniel¹,², Elodie Savard¹,², Roddy Kheng¹,², Elisabeth Dursun¹,²
¹Paris Descartes University, Paris, France, ²A. Chenevier Hospital, Créteil, France

OD44 The effect of a bulk-fill base on the clinical survival of direct posterior composite restorations
Colin McGuirk, Fariha Hussain, Brian Millar
KCL, London, UK