



COMPOSITE RESINS

Physicomechanical properties and morphological characterization of several universal resin composites after different aging procedures	J Esthet Restor Dent 2025; early view: online 6 August
Failure risk of composite resin and amalgam restorations: a systematic review and meta-analysis	Int Dent J 2025; 75(4): 100871
Is it possible for single-shade composite to mimic the color, lightness, chroma, and hue of other single-shade composites? An in vitro study (request using https://www.smartsurvey.co.uk/s/PJHMV/)	Oper Dent 2024; 49(6): 691-703
Effect of composite resins with and without fiber-reinforcement on the fracture resistance of teeth with non-carious cervical lesions	J Appl Biomater Functional Res 2024; Nov 27
Clinical performance of different composite materials in class II cavities bonded with universal adhesives	J Esthet Restor Dent 2024; online 25 July: doi 10.1111/jerd.13285
Effect of instrument lubricant on mechanical properties of restorative composite (request using https://www.smartsurvey.co.uk/s/PJHMV/)	Oper Dent 2024; 49(4): 475-483
Level of BPA contamination in resin composites determines BPA release [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	Dental Mat 2024; 40 (7): 1025-30
Awareness of possible complications associated with direct composite restorations: A multinational survey among dentists from 13 countries with meta-analysis	J Dentistry 2024; 145: 105009
Influence of thickness on the translucency parameter and whiteness index of single-shade resin composites (request using https://www.smartsurvey.co.uk/s/PJHMV/)	Oper Dent 2024; 49(4): 189-199
The clinical performance of dental resin composite repeatedly preheated: A randomized controlled clinical trial [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Dentistry 2024; 144: 104940
Clinical performance of preheating thermoviscous composite resin for non-carious cervical lesions restoration: A 24-month randomized clinical trial [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Dentistry 2024; 144: 104930
In vitro comparison of one-step, two-step, and three-step polishing systems on the surface roughness and gloss of different resin composites [Accessible from the Wiley link on this page]	J Esthet Restor Dent 2024; 36(5): 785-795
Could bulk fill glass hybrid restorative materials replace composite resins in treating permanent teeth? A randomized controlled clinical trial	J Esthet Restor Dent 2024; 36(5): 702-709
In vitro wear resistance of conventional and flowable composites containing various filler types after thermomechanical loading [Accessible from the Wiley link on this page]	J Esthet Restor Dent 2024; 36(4): 643-651



COMPOSITE RESINS

Effect of aging and fiber-reinforcement on color stability, translucency, and microhardness of single-shade resin composites versus multi-shade resin composite	J Esthet Restor Dent 2024; 36(4): 632-642
The radiopacity of single-shade composite resins: A comparative evaluation [Accessible from the Wiley link on this page]	J Esthet Restor Dent 2024; 36(3): 527-533
Mechanical properties of 3D-printed and milled composite resins for definitive restorations: An in vitro comparison of initial strength and fatigue behavior	J Esthet Restor Dent 2024; 36(2): 391-401
Mechanical and optical characterization of single-shade resin composites used in posterior teeth (request using https://www.smartsurvey.co.uk/s/PJHMV/)	Oper Dent 2024; 49(2): 210-221
Post-cure heat treatments influence the mechanical and optical properties of acrylic and bis-acryl composite resins (request using https://www.smartsurvey.co.uk/s/PJHMV/)	Oper Dent 2024; 49(1): 76-83
Developing bioactive dental resins for restorative dentistry [can be accessed on DOSS free by logging in on this page]	J Dent Res 2023; 102(11): 1180-1190
Clinical longevity of direct and indirect posterior resin composite restorations: An updated systematic review and meta-analysis	Dental Mat 2023; 39 (12): 1085-94
The role of interface distance and underlying substrate on the color adjustment potential of single-shade composites [Accessible from the Wiley link on this page]	J Esthet Restor Dent 2023; 35(8): 1279-1285
Determination of the degree of conversion, the diffuse reflectance, and the color stability after different aging processes of gingiva-colored composite resins [Accessible from the Wiley link on this page]	J Prosthodont 2023; 32(8): 743-751
Does a black light lens aid in composite removal? [Accessible from the Wiley link on this page]	J Esthet Restor Dent 2023; 35(6): 980-986
Is surface roughness of direct resin composite restorations material and polisher-dependent? A systematic review	J Esthet Restor Dent 2023; 35(6): 947-967
Color stability and degree of conversion of gingiva-colored resin-based composites	J Esthet Restor Dent 2023; 35(6): 896-903
Effect of a diode laser (445 nm) on polymerization efficiency of a preheated resin composite used for luting of indirect composite restorations (request using https://www.smartsurvey.co.uk/s/PJHMV/)	Oper Dent 2023; 48(5): 513–523
Physical properties and clinical performance of short fiber reinforced resin-based composite in posterior dentition: systematic review and meta-analysis (request using https://www.smartsurvey.co.uk/s/PJHMV/)	Oper Dent 2023; 48(5): E119–E136



COMPOSITE RESINS

Preheating of dental composite resins: A scoping review [Accessible from the Wiley link on this page]	J Esthet Restor Dent 2023; 35(4): 646-656
Effects of an acidic environment on the strength and chemical changes of resin-based composites (request using https://www.smartsurvey.co.uk/s/PJHMV/)	Oper Dent 2023; 48(4): E81–E94
A 24-month clinical evaluation of composite resins with different viscosity and chemical compositions: a randomized clinical trial [can be accessed on DOSS free by logging in on this page]	Quintessence Int 2023; 54 (3): 186-199
Polychromatic composite and resin infiltration restorations in the esthetic zone: a five-year clinical report (request using https://www.smartsurvey.co.uk/s/PJHMV/)	Oper Dent 2023; 48(3): 245-250
Fracture load of molars restored with bulk-fill, flowable bulk-fill, and conventional resin composite after simulated chewing (request using https://www.smartsurvey.co.uk/s/PJHMV/)	Oper Dent 2023; 48(3): 294-303
Translucency and radiopacity of dental resin composites – is there a direct relation? (request using https://www.smartsurvey.co.uk/s/PJHMV/)	Oper Dent 2023; 48(3): E61-E69
The effect of different immersion media, polymerization modes, and brushing on the color stability of different composite resin [can be accessed on DOSS free by logging in on this page]	Int J Periodont Restor Dent 2023; 43 (2): 247-255
Surface properties and Streptococcus mutans biofilm adhesion of ion-releasing resin-based composite materials [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Dent 2023; (134): 104549
Clinical survival and performance of premolars restored with direct or indirect cusp-replacing resin composite restorations with a mean follow-up of 14 years	Dental Mat 2023; 39 (4): 383-90
Posterior composite restorations including the Clark cavity design and superior Class II contacts using a novel matrix system: Part 2 (request using https://www.smartsurvey.co.uk/s/PJHMV/) [not included in the loan package]	Dental Update 2023; 50 (3): 170-4
An introduction to a modern procedure for anterior composite restorations and black triangle closure using a novel matrix system: Part 1 (request using https://www.smartsurvey.co.uk/s/PJHMV/) [not included in the loan package]	Dental Update 2023; 50 (2): 117-25
Coverage error of three resin composite systems to vital unrestored maxillary anterior teeth [Accessible from the Wiley link on this page]	J Esthet Restor Dent 2023; 35 (2): 352-359
Masking ability of resin composites: A scoping review [Accessible from the Wiley link on this page]	J Esthet Restor Dent 2023; 35 (2): 333-334



COMPOSITE RESINS

Nature-mimicking layering with composite resins through a bio-inspired analysis: 25 years of the polychromatic technique [Accessible from the Wiley link on this page]	J Esthet Restor Dent 2023; 35 (1): 7-18
Shrinkage-induced cuspal deformation and strength of three different short fiber-reinforced composite resins	J Esthet Restor Dent 2023; 35 (1): 56-63
Repair bond strength of aged composite resins using different surface treatment protocols [can be accessed on DOSS free by logging in on this page]	Int J Periodont Restor Dent 2023; 43 (1): e53-e60
Color stability of resin-based composites exposed to smoke. A systematic review [Accessible from the Wiley link on this page]	J Esthet Restor Dent 2023; 35 (2): 309-321
Clinical longevity of extensive direct resin composite restorations after amalgam replacement with a mean follow-up of 15 years	J Dent 2023 (130): 104409
Direct guided restorations from planning to definitive restoration: A clinical report [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Prosthet Dent 2023; 129 (1): 2-6
Accelerated fatigue model for predicting composite restoration failure (request using https://www.smartsurvey.co.uk/s/PJHMY/)	J Dent Res 2022; 101 (13): 1606-1612
Complete oral rehabilitation with direct and indirect composite resins: a minimally invasive approach on severely compromised teeth [can be accessed on DOSS free by logging in on this page]	Quintessence Int 2022; 53 (10): 821-823
Deterioration of anterior resin composite restorations in moderate to severe tooth wear patients: 3-year results	Clin Oral Investig 2022; 26 (12): 6925–6939
The injectable composite resin technique: biocopy of a natural tooth - advantages of digital planning [can be accessed on DOSS free by logging in on this page]	Int J Esthet Dent 2021; 16 (3): 300-320
Resin-based composites for direct and indirect restorations: clinical applications, recent advances, and future trends [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	Dent Clin N Amer 2022; 66(4): 517-536
Matrix transfer techniques for direct paste composite resins	BDJ 2022; 233: 91-8
High-performance dental composites based on hierarchical reinforcements [can be accessed on DOSS free by logging in on this page]	J Dent Res 2022; 101 (8): 912-920
Developments in resin-based composites	BDJ 2022; 232: 638-43
Resin-based composite materials: elution and pollution	BDJ 2022; 232: 644-52



Masking ability of resin composites: Effect of the layering strategy and substrate color [Accessible from the Wiley link on this page]	J Esthet Restor Dent 2022; online July 19, doi: 10.1111/jerd.12942
Public valuation of direct restorations: a discrete choice experiment	J Dent Res 2022; online July 25 doi.org/10.1177/00220345221108699
Hardness development in resin composite core materials [Accessible from the Wiley link on this page]	J Prosthodont 2022; 31 (4): 305-313
Clinical performance of posterior resin composite restorations after up to 33 years [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	Dental Mat 2022; 38 (4): 680-8
Composite repair: On the fatigue strength of universal adhesives [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	Dental Mat 2022; 38 (2): 231-241
Preparation and evaluation of novel bio-based Bis-GMA-free dental composites with low estrogenic activity [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	Dental Mat 2022; 38 (2): 281-93
Postoperative sensitivity in posterior resin composite restorations with prior application of a glutaraldehyde-based desensitizing solution: A randomized clinical trial [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Dent 2022; (117): 103918
Microbial contamination of resin composites inside their dispensers: An increased risk of cross-infection? [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Dent 2022; 116: 103893
3D digital evaluation for direct composite restoration using the modified stamp technique [can be accessed on DOSS free by logging in on this page]	Chin J Dent Res 2021; 24 (3): 185-189
Effect of chemical challenges on the properties of composite resins	Int J Dent 2021; Art 4895846
Effect of <i>Streptococcus mutans</i> on surface-topography, microhardness, and mechanical properties of contemporary resin composites	J Appl Biomater Functional Mater 2021; Dec 16 doi: 10.1177/22808000211065260
Comparison of Self-Etching Adhesives and Etch-and-Rinse Adhesives on the Failure Rate of Posterior Composite Resin Restorations: A Systematic Review and Meta-Analysis	Eur J Dent 2021; Online 22 Nov doi 10.1055/s-0041-1736332
Microstructural dependence of mechanical properties and their relationship in modern resin-based composite materials [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Dent 2021; (114): 103829



Novel nano calcium fluoride remineralizing and antibacterial dental composites [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Dent 2021; (113): 103789
Replacing single missing teeth in the posterior region using direct composite restorations: Survival and clinical quality [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Dent 2021; (113): 103754
Study on antibacterial and fluoride-releasing properties of a novel composite resin with fluorine-doped nano-zirconia fillers [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Dent 2021; (113): 103772
Clinical decision-making in anterior resin composite restorations: a multicenter evaluation [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Dent 2021; (113): 103757
Reduced-step composite polishing systems - a new gold standard? [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Dent 2021; (112): 103769
Teaching of the repair of defective composite restorations in Middle Eastern and North African Dental Schools [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Dent 2021; (112): 103753
Long-term cost-effectiveness of glass hybrid versus composite in permanent molars	J Dent 2021; (112): 103751
Clinical performance of direct composite resin restorations in a full mouth rehabilitation for patients with severe tooth wear: 5.5-year results	J Dent 2021; (112): 103743
Physical and mechanical evaluation of dental resin composite after modification with two different types of Montmorillonite nanoclay [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Dent 2021; (112): 103731
Discoloration behavior of resin cements containing different photoinitiators [can be accessed on DOSS free by logging in on this page]	Int J Periodont Restor Dent 2021; 41(3): e113–e120
Randomized controlled trial on the performance of direct and indirect composite restorations in patients with severe tooth wear [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	Dental Materials 2021; 37 (11): 1645-54
Bifunctional composites for biofilms modulation on cervical restorations [can be accessed on DOSS free by logging in on this page]	J Dent Res 2021; 100(10): 1063–1071
A review of mechano-biochemical models for testing composite restorations [can be accessed on DOSS free by logging in on this page]	J Dent Res 2021; 100(10): 1030–1038



COMPOSITE RESINS

Multifactorial analysis of optical properties, sorption, and solubility of sculptable universal composites for enamel layering upon staining in colored beverages [Accessible from the Wiley link on this page]	J Esthet Restor Dent 2021; 33(6): 943-952
Optical properties of bisacryl-, composite-, ceramic- resin restorative materials: An aging simulation study [Accessible from the Wiley link on this page]	J Esthet Restor Dent 2021; 33(6): 913-918
Color and translucency stability of contemporary resin-based restorative materials [Accessible from the Wiley link on this page]	J Esthet Restor Dent 2021; 33(6): 899-905
Color, lightness, chroma, hue, and translucency adjustment potential of resin composites using CIEDE2000 color difference formula [Accessible from the Wiley link on this page]	J Esthet Restor Dent 2021; 33(6): 836-843
Masking ability of bleach-shade resin composites using the multilayering technique [Accessible from the Wiley link on this page]	J Esthet Restor Dent 2021; 33(5): 807-814
Impact of resin composite cement on color of computer-aided design/computer-aided manufacturing ceramics	J Esthet Restor Dent 2021; 33(5): 786-794