



COMPOSITE RESINS: BULK-FILL

<p>Clinical comparison of different glass ionomer-based restoratives and a bulk-fill resin composite in Class I cavities: A 48-month randomized split-mouth controlled trial [free to members on Science Direct. If you do not have a login email library@bda.org to request one]</p>	<p>J Dentistry 2023; 131: 104473</p>
<p>Delayed light-curing of dual-cure bulk-fill composites on internal adaptation and depth of cure [Accessible from the Wiley link on this page]</p>	<p>J Esthet Restor Dent 2023; 19 Jan [Early view]</p>
<p>Effect of high-radiant emittance and short curing time on polymerization shrinkage vectors of bulk fill composites (request using https://www.smartsurvey.co.uk/s/PJHMV/)</p>	<p>Oper Dent 2023; 48 (1): 51-58</p>
<p>Fast curing with high-power curing lights affects depth of cure and post-gel shrinkage and increases temperature in bulk-fill composites (request using https://www.smartsurvey.co.uk/s/PJHMV/)</p>	<p>Oper Dent 2023; 48 (1): 98-107</p>
<p>Clinical evaluation of bulk-fill and universal nanocomposites in class II cavities: Five-year results of a randomized clinical split-mouth trial [free to members on Science Direct. If you do not have a login email library@bda.org to request one]</p>	<p>J Dent 2023; 128: 104362</p>
<p>Wear and color stability of preheated bulk-fill and conventional resin composites (request using https://www.smartsurvey.co.uk/s/PJHMV/)</p>	<p>Oper Dent 2022; 47 (5): 585-592</p>
<p>Surface microhardness of bulk-fill resin composites handled with gloves</p>	<p>Int Dent J 2022; 17 Nov doi.org/10.1016/j.identj.2022.10.005</p>
<p>Randomized clinical split-mouth study on a novel self-adhesive bulk-fill restorative vs. a conventional bulk-fill composite for restoration of class II cavities – results after three years</p>	<p>J Dentistry 2022; 125: 104275</p>
<p>In vitro attrition wear resistance of four types of paste-like bulk-fill composite resins</p>	<p>BMC Oral Health 2022; 22, 360: online 21 August, doi 10.1186/s12903-022-02393-x</p>
<p>The effect of different light-curing units and tip distances on the polymerization efficiency of bulk-fill materials (request using https://www.smartsurvey.co.uk/s/PJHMV/)</p>	<p>Oper Dent 2022; 47 (4): e197-e210</p>
<p>Characterization of contemporary conventional, bulk-fill, and self-adhesive resin composite materials (request using https://www.smartsurvey.co.uk/s/PJHMV/)</p>	<p>Oper Dent 2022; 47 (4): 392-402</p>
<p>Quality of cure in depth of commercially available bulk-fill composites: a layer-by-layer mechanical and biological evaluation (request using https://www.smartsurvey.co.uk/s/PJHMV/)</p>	<p>Oper Dent 2022; 47 (4): 437-448</p>
<p>Effect of the sample preparation and light-curing unit on the microhardness and degree of conversion of bulk-fill resin-based composite restorations (request using https://www.smartsurvey.co.uk/s/PJHMV/)</p>	<p>Oper Dent 2022; 47 (2): 163-172</p>



COMPOSITE RESINS: BULK-FILL

Effects of adjacent tooth type and occlusal fatigue on proximal contact force of posterior bulk fill and incremental resin composite restoration (request using https://www.smartsurvey.co.uk/s/PJHMV/)	Oper Dent 2022; 47 (1): 64-75
A randomized clinical split-mouth trial of a bulk-fill and a nanohybrid composite restorative in class II cavities: Three-year results [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	Dental Mat 2022; 38 (5): 759-68
The use of an elastomeric methacrylate monomer (Exothane 24) to reduce the polymerization shrinkage stress and improve the two-body wear resistance of bulk fill composites [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): e43-e57
Comparison of physical and biological properties of a flowable fiber reinforced and bulk filling composites [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): e19-e30
Comparative evaluation of different adhesive strategies of a universal adhesive in class II bulk-fill restorations: A 48-month randomized controlled 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: 103921
Effects of application method on shrinkage vectors and volumetric shrinkage of bulk-fill composites in class-II restorations [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	Dental Mat 2022; 38 (1): 79-93
Reliability of class II bulk-fill composite restorations with and without veneering: a two-year randomized clinical control study (request using https://www.smartsurvey.co.uk/s/PJHMV/)	Oper Dent 2021; 46 (5): 491-504
Three-year randomized prospective clinical trial of class II restorations using flowable bulk-fill resin composites (request using https://www.smartsurvey.co.uk/s/PJHMV/)	Oper Dent 2021; 46 (5): 516-528
Handling and mechanical properties of low-viscosity bulk-fill resin composites (request using https://www.smartsurvey.co.uk/s/PJHMV/)	Oper Dent 2021; 46 (5): E185-E198
Thirty-six-month clinical evaluation of posterior high-viscosity bulk-fill resin composite restorations in a high caries incidence population: interim results of a randomized clinical trial [can be accessed on DOSS free by logging in on this page]	Clin Oral Invest 2021; 25 (11): 6219-37
Intrapulpal concentration of hydrogen peroxide of teeth restored with bulk fill and conventional bioactive composites (request using https://www.smartsurvey.co.uk/s/PJHMV/)	Oper Dent 2021; 46 (3): E158-E170
Effects of preheating and sonic delivery techniques on the internal adaptation of bulk-fill resin composites (request using https://www.smartsurvey.co.uk/s/PJHMV/)	Oper Dent 2021; 46 (2): 226-233



COMPOSITE RESINS: BULK-FILL

Impact of the porosity from incremental and bulk resin composite filling techniques on the biomechanical performance of root-treated molars (request using https://www.smartsurvey.co.uk/s/PJHMV/)	Oper Dent 2021; 46 (2): 197-207
Mechanical and bonding properties of different combinations of nanohybrid and bulk-fill composites	Acta Odont Latinoam 2021; 34 (3): 221-5
Polymerization shrinkage and shrinkage stress of bulk-fill and non-bulk-fill resin-based composites	J Dental Sci; 2021: preprint online 23 December
Microleakage of direct restorations-comparisonbetween bulk-fill and traditional composite resins:systematic review and meta-analysis	Eur J Dent 2021; 15 (04): 755-67
Comparison of the stress distribution in class I and Class II amalgam and bulk-fill composite restorations using CAD-FEM modelling [can be accessed on DOSS free by logging in on this page]	Int J Periodont Restor Dent 2021; 41(1): e1-e9
Rapid high-intensity light-curing of bulk-fill composites: A quantitative analysis of marginal integrity [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Dent 2021; (111): 103708
Effects of different antibacterial disinfectants on microleakage of bulk-fill composite bonded to different tooth structures	BMC Oral Health 2021; 21: Art 348
Essential Lines: a simplified filling and modeling technique for direct posterior composite restorations [can be accessed on DOSS free by logging in on this page]	Int J Esthet Dent 2021; 16(2): 168-184
Flexural strength and microhardness of bulk-fill restorative materials [Accessible from the Wiley link on this page]	J Esthet Restor Dent 2021; 33(4): 628-635
Effects of different surface treatments and adhesive self-etch functional monomers on the repair of bulk fill composites: A randomised controlled study [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Dent 2021; (108): 103637
Effect of light-curing unit design and mouth opening on the polymerization of bulk-fill resin-based composite restorations in molars [can be accessed on DOSS free by logging in on this page]	J Adhes Dent 2021; 23(2): 121-131
Fatigue performance and stress distribution of endodontically treated premolars restored with direct bulk-fill resin composites [can be accessed on DOSS free by logging in on this page]	J Adhes Dent 2021; 23(1): 67-75
Effect of layering techniques on polymerization shrinkage stress of high- and low-viscosity bulk-fill resins (request using https://www.smartsurvey.co.uk/s/PJHMV/)	Oper Dent 2020; 45(6): 665-663
Polymerization stress and gap formation of self-adhesive, bulk-fill and flowable composite resins (request using https://www.smartsurvey.co.uk/s/PJHMV/)	Oper Dent 2020; 45(6): E308-E316



COMPOSITE RESINS: BULK-FILL

[The influence of a liner on deep bulk-fill restorations: 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 2020; 102: 103454

Clinical evaluation of noncarious cervical lesions of different extensions restored with bulk-fill or conventional resin composite: Preliminary results of a randomized clinical trial (request using <https://www.smartsurvey.co.uk/s/PJHMV/>)

Oper Dent 2020; (45): e11-e20

Influence of spectroscopic techniques on the estimation of degree of conversion of bulk-fill composites (request using <https://www.smartsurvey.co.uk/s/PJHMV/>)

Oper Dent 2020; (45): 92-103

[Marginal integrity of flowable and packable bulk fill materials used for class II restorations—A systematic review and meta-analysis of *in vitro* studies](#)

Dent Mater J 2020; Jan 11. doi: 10.4012/dmj.2018-180

Comparison of flexural properties of bulk-fill restorative/flowable composites and their conventional counterparts (request using <https://www.smartsurvey.co.uk/s/PJHMV/>)

Oper Dent 2020; (45): 41-51

Internal and marginal adaptation of high-viscosity bulk-fill composites in class II cavities placed with different adhesive strategies (request using <https://www.smartsurvey.co.uk/s/PJHMV/>)

Odontology 2019; (107): 374-382

[A randomized, prospective clinical study evaluating effectiveness of a bulk-fill composite resin, a conventional composite resin and a reinforced glass ionomer in Class II cavities: one-year results](#)

J Appl Oral Sci 2019; (27): e20180678

Hydrolytic and biological degradation of bulk-fill and self-adhering resin composites (request using <https://www.smartsurvey.co.uk/s/PJHMV/>)

Oper Dent 2019; 44-5: e223-e233

[Effect of light-curing time on light-cure/post-cure volumetric polymerization shrinkage and regional ultimate tensile strength at different depths of bulk-fill resin composites](#)

Dent Mater J 2019; 38(4): 621-629

[Different depth-related polymerization kinetics of dual-cure, bulk-fill composites](#) [free to members on Science Direct. If you do not have a login email library@bda.org to request one]

Dent Mater 2019; (35): 1095-1103

Repair of aged bulk-fill composite with posterior composite: Effect of different surface treatments [can be accessed on DOSS free by logging in [on this page](#)]

J Esthet Restor Dent 2019; (31): 246-252

One-year clinical performance of flowable bulk-fill composite vs conventional compomer restorations in primary molars [can be accessed on DOSS free by logging in [on this page](#)]

J Adhes Dent 2019; (21): 247-254



COMPOSITE RESINS: BULK-FILL

Evaluation of bond strength, nanoleakage, and marginal adaptation of bulk-fill composites submitted to thermomechanical aging [can be accessed on DOSS free by logging in on this page]	J Adhes Dent 2019; (21): 255-264
Randomized 36-month follow-up of posterior bulk-filled resin composite restorations [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Dent 2019; (85): 93-102
Effect of acidic drinks on shade matching, surface topography, and mechanical properties of conventional and bulk-fill composite resins [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Prosthet Dent 2019; (121): 868.e1-e8
Polymerization shrinkage and shrinkage force kinetics of high- and low-viscosity dimethacrylate- and ormocer-based bulk-fill resin composites [can be accessed on DOSS free by logging in on this page]	Odontol 2019; (107): 103-110
Proximal contact tightness of class II bulk-fill composite resin restorations: an <i>in vitro</i> study	Dent Mater J 2019; (1): 96-100
Cryotherapy in reducing pain, trismus, and facial swelling after third-molar surgery: Systematic review and meta-analysis of randomized clinical trials [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Am Dent Assoc 2019; (150): 269-277
Real-time in-depth imaging of gap formation in bulk-fill resin composites [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	Dent Mater 2019; (35): 585-596
Sufficiency of curing in high-viscosity bulk-fill resin composites with enhanced opacity [can be accessed on DOSS free by logging in on this page]	Clin Oral Invest 2019; (23): 747-755
One-year clinical evaluation of bulk-fill flowable vs. regular nanofilled composite in non-cariou cervical lesions [can be accessed on DOSS free by logging in on this page]	Clin Oral Invest 2019; (23): 889-897
Comparison of internal adaptation of bulk-fill and increment-fill resin composite materials (request using https://www.smartsurvey.co.uk/s/PJHMV/)	Oper Dent 2019; (44): e32-e44
Clinical performance of bulk-fill and conventional resin composite restorations in posterior teeth: a systematic review and meta-analysis [can be accessed on DOSS free by logging in on this page]	Clin Oral Invest 2019; (23): 221-233
Stiffness effect of using polywave or nanowave LED units for photo-curing different bulk fill composites	Dent Mater J 2018; (37): 709-716
Incremental and bulk-fill techniques with bulk-fill resin composite in different cavity configurations (request using https://www.smartsurvey.co.uk/s/PJHMV/)	Oper Dent 2018; (43): 631-641



COMPOSITE RESINS: BULK-FILL

Efficacy of modern light curing units in polymerizing peripheral zones in simulates large bulk-fill resin-composite fillings (request using https://www.smartsurvey.co.uk/s/PJHMV/)	Oper Dent 2018; (43): 416-425
Influence of polishing system on the surface roughness of flowable and regulr-viscosity bulk fill composites [can be accessed on DOSS free by logging in on this page]	Int J Periodontics Restorative Dent 2018; (38): e79-e86
Molar cusp deformation evaluated by micro-CT and enamel crack formation to compare incremental and bulk-filling techniques [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Dent 2018; (74): 71-78
Viscoelastic properties of contemporary bulk-fill restoratives: a dynamic-mechanical analysis (request using https://www.smartsurvey.co.uk/s/PJHMV/)	Oper Dent 2018; (43): 307-314
Color of bulk-fill composite resin restorative materials	J Esthet Restor Dent 2018; (30): e3-e8
Bulk-fill composites: effectiveness of cure with poly- and monowave curing lights and modes	Oper Dent 2018; (43): 136-143
Effect of tooth brushing on gloss retention and surface roughness of five bulk-fill resin composites [can be accessed on DOSS free by logging in on this page]	J Esthet Restor Dent 2018; 30(1): 59-69
Cuspal deflection in premolar teeth restored with bulk-fill resin-based composite materials	Oper Dent 2018; 43(1): 1-9
Radiopacity and porosity of bulk-fill and conventional composite posterior restorations—digital X-ray analysis	Oper Dent 2017; 42(6): 616-625
Consensus statements on bulk fill resin composites	CDA Essentials 2017; (5): 29-31
Polymerization behavior and mechanical properties of high-viscosity and low shrinkage resin composites	Oper Dent 2017; 42(6): e177-187
Thirty-six month clinical comparison of bulk fill and nanofill composite restorations	Oper Dent 2017; 42(5): 478-485
Effect of light-curing exposure time, shade, and thickness on the depth of cure of bulk fill composites	Oper Dent 2017; 42(5): 505-513
Impact of light transmittance mode on polymerisation kinetics in bulk-fill resin-based composites [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Dent 2017; (63): 51-59
Characterization of inorganic filler content, mechanical properties, and light transmission of bulk-fill resin composites	Oper Dent 2017; 42(4): 445-455
Bulk-fill composites: a review of the current literature [can be accessed on DOSS free by logging in on this page]	J Adhes Dent 2017; 19(2): 95-109



COMPOSITE RESINS: BULK-FILL

<p>Effect of bulk-fill base material on fracture strength of root-filled teeth restored with laminate resin composite restorations [free to members on Science Direct. If you do not have a login email library@bda.org to request one]</p>	J Dent 2017; (63): 60-64
<p>Light-emitting diode beam profile and spectral output influence on the degree of conversion of bulk fill composites</p>	Oper Dent 2017; 42(4): 418-427
<p>Genotoxic potential of dental bulk-fill resin composites [free to members on Science Direct. If you do not have a login email library@bda.org to request one]</p>	Dent Mater 2017; (33): 788-795
<p>Bulk-filled posterior resin restorations based on stress-decreasing resin technology: a randomized, controlled 6-year evaluation [can be accessed on DOSS free by logging in on this page]</p>	Eur J Oral Sci 2017; (125): 303-309
<p>Comparison of polymerization shrinkage, physical properties, and marginal adaption of flowable and restorative bulk fill resin-based composites</p>	Oper Dent 2017; 42(4): 375-386
<p>Depth of cure, flexural properties and volumetric shrinkage of low and high viscosity bulk-fill giomers and resin composites</p>	Dent Mater J 2017; 36(2): 205-213
<p>Transdental curing of bulk-filled restorations: a closer look (request using https://www.smartsurvey.co.uk/s/PJHMY/)</p>	Gen Dent 2017; (May/June): 6-9
<p>Microcomputed tomography evaluation of volumetric shrinkage of bulk-fill composites in Class II cavities [can be accessed on DOSS free by logging in on this page]</p>	J Esthet Restor Dent 2017; 29(2): 118-127
<p>Bulk-fill resin-based composite restorative materials: a review [Log in to the BDA home page and follow the link to the BDJ to access]</p>	Br Dent J 2017; (222): 337-344
<p>Degree of conversion and polymerization shrinkage of bulk-fill resin-based composites</p>	Oper Dent 2017; 42(1): 82-89
<p>Effect of layer thickness on the elution of bulk-fill composite components [free to members on Science Direct. If you do not have a login email library@bda.org to request one]</p>	Dent Mater 2017; (33): 54-62
<p>Local deformation fields and marginal integrity of sculptable bulk-fill, low shrinkage and conventional composite [free to members on Science Direct. If you do not have a login email library@bda.org to request one]</p>	Dent Mater 2016; (32): 1441-1451
<p>Influence of increment thickness on light transmission, degree of conversion and micro hardness of bulk fill composites [can be accessed on DOSS free by logging in on this page]</p>	Odontol 2016; (104): 291-297
<p>Shrinkage stress kinetics of bulk fill resin-based composites at tooth temperature and long time [free to members on Science Direct. If you do not have a login email library@bda.org to request one]</p>	Dent Mater 2016; (32): 1322-1331



COMPOSITE RESINS: BULK-FILL

Effectiveness of conventional treatment using bulk-fill composite resin versus atraumatic restorative treatments in primary and permanent dentition: a pragmatic randomized clinical trial	BMC Oral Health 2017; (17): 34
Depth of cure of contemporary bulk-fill resin-based composites	Dent Mater J 2016; 35(3): 503-510
Evaluation of radiopacity of bulk-fill flowable composites using digital radiography	Oper Dent 2016; 41(4): 424-431
Transmission of violet and blue light through conventional (layered) and bulk cured resin-based composites [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Dent 2016; (53): 44-50
Microcomputed tomographic comparison of posterior composite resin restorative techniques: sonicated bulk fill versus incremental fill (request using https://www.smartsurvey.co.uk/s/PJHMV/)	Gen Dent 2016; 64(5): 20-23
Posterior bulk-filled resin composite restorations: a 5-year randomized controlled clinical study [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Dent 2016; (51): 29-35
Evaluation of modern bioactive restorations for bulk-fill placement	J Dent 2016; (49): 46-53
Cuspal deflection of premolars restored with bulk-fill composite resins [can be accessed on DOSS free by logging in on this page]	J Esthet Restor Dent 2016; 28(2): 122-130
Effect of bulk-filling on the bonding efficacy in occlusal Class I cavities [can be accessed on DOSS free by logging in on this page]	J Adhes Dent 2016; (18): 119-124
Bulk dentine replacement versus incrementally placed resin composite: a randomised controlled clinical trial [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Dent 2016; (46): 18-22
Polymerization stress evolution of a bulk-fill flowable composite under different compliances [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	Dental Mater 2016; 32(4): 578-586
Effect of Opalescence® bleaching gels on the elution of bulk-fill composite components [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	Dent Mater 2016; (32): 127-135