



WHITE SPOT LESIONS

Intermethod association in orthodontic white spot lesion assessment: a multimodal-assessment	Int Dent J 2026; 76(5): 109740
Efficacy of various interventions for the management of white spot lesions associated with fixed orthodontic treatment: a systematic review and network meta-analysis of randomized controlled trials	BMC Oral Health 2026; 26(1): article 358
Remineralising efficacy of bioactive glass and casein phosphopeptide amorphous calcium phosphate in white spot lesions or early enamel caries: A systematic review of randomised controlled trials	Jap Dent Sci Rev 2026; 62: 205-15
Analyzing the stability of white spot lesions treated using CPP-ACP coupled with universal adhesive resin against an acidic erosion challenge [Accessible from the Wiley link on this page]	J Esthet Restor Dent 2026; Apr 02
Comparison of conventional and self-adhesive orthodontic bonding systems in white spot lesion formation: an in vitro confocal Raman microscopy analysis	Angle Orthodont 2026; Feb 25
Awareness and perception of white spot lesions amongst adolescents undergoing orthodontic treatment with fixed appliances: a cross-sectional study of caries preventive adherence	Eur Arch Paediatr Dent 2026; 09 Feb
Enamel microhardness of resin-infiltrated white spot lesions after bleaching with and without ACP: An in vitro study	Int J Dent 2026. May 14. 9917511
Assessment of patient satisfaction and esthetic outcomes following treatment of post-orthodontic white spot lesions using a bioactive adhesive and resin infiltrant: a randomized split-mouth clinical trial [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Dent 2026; 167: 105565
Outcomes of resin infiltration for white spot lesions at different time points: a systematic review and meta-analysis	Eur J Orthodont 2026; 48(3): cjag021
Aesthetic efficacy of resin infiltration on post-orthodontic white spot lesions using different conditioning methods: 24-month randomized control follow-up	Angle Orthodont 2026; 96(3): 311-317
Clinical evaluation of the remineralizing potential of biomimetic scaffolds on enamel white spot lesions: A 12-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 2026; 166: 106303
Contemporary management of white spot lesions following orthodontic treatment [Log in to the BDA home page and follow the link to the BDJ portfolio to access]	BDJ 2026; 240(8): 537-541
Evaluation of the efficacy of ozonated olive oil over commercially available toothpastes in the remineralisation of white spot lesions: An in vitro study [can be accessed on DOSS free by logging in on this page]	J Orthod 2026; 53(1): 74-83



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Effect of self-assembling peptide on white spot lesions in orthodontic patients: A systematic review and meta-analysis [Review]	Clin Exp Dent Res 2026; 12(2): e70321
The remineralizing ability of self-assembling peptide P11-4, 2% arginine enriched sodium fluoride and functionalized tri calcium phosphate fluoride varnishes in treatment of white spot lesions – a randomized controlled trial	BDJ Open 2025; 11(1): 70
Microbiome variability and role of Candida albicans in site-specific dental plaques in orthodontic adolescent patients with white spot lesions	J Oral Microbiol 2025; 17(1): 2522421
Preventing white spot lesions around orthodontic brackets: efficacy of pre-reacted glass-ionomer barrier versus silver diamine fluoride: an in vitro study	BDJ Open 2025; 11(1): 45
Evaluation of the remineralization potential of different bioactive glass varnishes on white spot lesions: an in vitro study	BMC Oral Health 2025; 25: 1284
Prognostic factors and prognostic models for white spot lesions: A systematic review and meta-analysis [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Dent 2025; 156: 1005686
Energy drink-induced white spot lesions on labial and lingual tooth surfaces in adolescents treated with lingual appliances: a retrospective cohort study	Clin Oral Investig 2025; 29: 370
Influence of home or in-office tooth bleaching on the color stability of white-spot lesions after resin infiltration: An in vitro comparison	J Am Dent Assoc 2025; 156(7): 517-529.e3
Laser-assisted Icon and clinpro for restoring white spot lesions: an in vitro comparative study	Odontology 2025; 113: 965-972
Effectiveness of fluoride and xylitol varnishes in treating post-orthodontic white spot lesions: a randomized clinical trial (request using https://www.smartsurvey.co.uk/s/PJHMY/)	Eur J Orthod 2025; 47(4): cja047
Resin infiltration for white spot lesions: An in vitro experimental trial [can be accessed on DOSS free by logging in on this page]	J Orthod 2025; 52(1): 72-81
Fluoride varnish for the prevention of white spot lesions during orthodontic treatment: a systematic review and meta-analysis [can be accessed on DOSS free by logging in on this page]	Prim Dent J 2025; 14(1): 82-90
Fabricating a novel bioactive resin Infiltrant to treat white spot lesions of enamel [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Dent 2025; 158: 105815



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Topographic evaluation of the remineralizing potential of biomimetic scaffolds on enamel white spot lesions: an in vitro study [Accessible from the Wiley link on this page]	J Esthet Restor Dent 2025; 37(4): 1062-1074
In-vitro comparative study for three different strategies to treat enamel demineralized white spot lesion [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Dent 2025; 156: 105698
Evaluation of NaOCl application prior to resin infiltrant or fluoride-containing resin varnish in the treatment of white spot lesions: An in vitro study [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Dent 2025; 156: 105641
The effect of nano-hydroxyapatite on white spot lesions: A systematic review and meta-analysis [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Dent 2024; 151: 105402
Surface porosity of enamel white spot lesions and penetration of fluorapatite nanocrystals into their subsurface: proof-of-concept study [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Dent 2024; 149: 105292
Effects of fluoride-containing biomimetic agents on remineralization and color change of enamel white spot lesions: an in vitro study (request using https://www.smartsurvey.co.uk/s/PJHMY/)	Oper Dent 2024; 50(1): 78-92
Can orthodontic adhesive systems inhibit the formation and development of white spot lesions during fixed orthodontic treatment? A systematic review	J Adhes Dent 2024; 26: 241-252
Theobromine for remineralization of white spot lesions on dental enamel: a systematic review and meta-analysis (request using https://www.smartsurvey.co.uk/s/PJHMY/)	Oper Dent 2024; 49(4): 376-387
Icon for the treatment of postorthodontic white spot lesions. 2-year follow-up [can be accessed on DOSS free by logging in on this page]	Int J Esthet Dent 2024; 19(4): 336-347
Effectiveness of fluoride varnishes for white spot lesion prevention and remineralization during orthodontic treatment: a randomized controlled trial (request using https://www.smartsurvey.co.uk/s/PJHMY/)	Caries Res 2024; 58(6): 589-603
Caries and white spot lesion trajectories of orthodontic patients across an observation period of 20 years	Clin Oral Investig 2024; 28: 367
Resin infiltration versus fluoride varnish for visual improvement of white spot lesions during multibracket treatment. A randomized-controlled clinical trial	Clin Oral Investig 2024; 28: 308



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Clear aligners vs fixed appliances: which treatment option presents a higher incidence of white spot lesions, plaque accumulation and salivary caries-associated bacteria? [Log in to the BDA home page and follow the link to the BDJ portfolio to access]	EBD 2024; 25(1): 21-22
The effect of combined use of resin infiltration with different bioactive calcium phosphate-based approaches on enamel white spot lesions: An in vitro study [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Dent 2024; 143: 104909
White spot lesions: diagnosis and treatment - a systematic review	BMC Oral Health 2024; 24: 58
White spot lesions after fixed appliance treatment-Can we expect spontaneous long-term (>=15 years) improvement?	Eur J Orthod 2024; 46(1):
Durability of infiltrated resin application on white spot lesions after different challenges: An ex vivo study [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Prosthet Dent 2024; 131(3): 500-507
Remineralization potential of strontium-doped nano-hydroxyapatite dentifrice and casein phosphopeptide-amorphous calcium phosphate cream on white spot lesions in enamel following orthodontic debonding - a randomized controlled trial	SAGE Open Med 2024; 12: 20503121231221634
CHN nanocomposites and nanocoating resist enamel white spot lesions by enhancing remineralization and antibacterial activity	RSC Adv 2024; 14(21): 15008-15020
Multidisciplinary evaluation of the remineralization potential of three fluoride-based toothpastes on natural white spot lesions	Clin Oral Investig 2023; 27(12): 7451-7462
A novel orthodontic adhesive containing zinc-doped phosphate-based glass for preventing white spot lesions [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Dent 2023; 137: 104689
Evaluation of the effects of 2 different adhesive-coated bracket systems on white spot lesion formation [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	Am J Orthod Dentofac Orthop 2023; 164(6): 862-867
White spot lesions in orthodontics: consensus statements for prevention and management	Angle Orthod 2023; 93(6): 621-628
A survey of white spot lesion prevention and resolution in the US dental school curricula [Accessible from the Wiley link on this page]	J Dent Educ 2023; 87(11): 1552-1558
Effects of Icon treatment and bleaching on the color of enamel with induced white-spot lesions (request using https://www.smartsurvey.co.uk/s/PJHMV/)	J Clin Orthod 2023; 57(5): 298-305



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[Prevalence of white spot lesions and gingival index during orthodontic treatment in an academic setting](#) [free to members on Science Direct. If you do not have a login email library@bda.org to request one]

Am J Orthod Dentofac Orthop 2023; 163(6): 835-842

Treatment protocol of dental bleaching and resin infiltration for white spot lesions [can be accessed on DOSS free by logging in [on this page](#)]

Int J Esthet Dent 2023; 18(2): 200-206

Comparison of remineralizing agents in the management of white spot lesions in three- to five-year-old children: a clinical trial [can be accessed on DOSS free by logging in [on this page](#)]

Pediatr Dent 2023; 45(2): 99-106

[Prevention of white spot lesions with fluoride varnish during orthodontic treatment with fixed appliances: a systematic review](#)

Eur J Orthod 2023; 45(5): 485-490

[Comparison of three orthodontic bonding systems in white spot lesion development: a randomized clinical trial](#)

Angle Orthod 2023; 93(5): 531-537

Effectiveness of Clinpro Tooth Creme in comparison with MI Varnish with RECALDENT™ for treatment of white spot lesions: a randomized controlled trial [can be accessed on DOSS free by logging in [on this page](#)]

Clin Oral Investig 2023; 27: 1473-1481

[Evaluation of the remineralizing effect of biomimetic self-assembling peptides in post-orthodontic white spot lesions compared to fluoride-based delivery systems: randomized controlled trial](#)

Clin Oral Investig 2023; 27: 613-624

[Correlation of quantitative light-induced fluorescence and qualitative visual rating in infiltrated post-orthodontic white spot lesions](#)

Eur J Orthod 2023; 45(2): 133-141

Comparative evaluation of four treatments for postorthodontic white spot lesions: a randomized controlled trial [can be accessed on DOSS free by logging in [on this page](#)]

Clin Oral Investig 2023; 27(10): 5957-5968