

DAFTAR PUSTAKA

- Bengal, Sachin, Gautam P. Badole, Pratima R. Sheno, Rajesh Kubde, and Shriya Shahu. 2024. Evaluation of Surface Roughness and Microhardness of Bulk-Fill and Nanohybrid Composite after Exposure to Different Beverages at Various Time Intervals – An In Vitro Study. *Annals of African Medicine* 23(3): 466–73. https://doi.org/10.4103/aam.aam_157_23
- Cho, Kiho, Ginu Rajan, Paul Farrar, Leon Prentice, and B. Gangadhara Prusty. 2022. Dental Resin Composites: A Review on Materials to Product Realizations. *Composites Part B: Engineering* 230: 109495. <https://doi.org/10.1016/j.compositesb.2021.109495>
- Elfakhri, Farah, Rawan Alkahtani, Chunchun Li, and Jibran Khaliq. 2022. Influence of *Filler* Characteristics on the Performance of Dental Composites: A Comprehensive Review. *Ceramics International* 48(19, Part A): 27280–94. <https://doi.org/10.1016/j.ceramint.2022.06.314>
- Gauthier, Rémy, Hazem Aboulleil, Jean-Marc Chenal, Jérôme Chevalier, Pierre Colon, and Brigitte Grosogeat. 2021. Consideration of Dental Tissues and Composite Mechanical Properties in Secondary Caries Development: A Critical Review. *The Journal of Adhesive Dentistry* 23(4): 297–308. <https://doi.org/10.3290/j.jad.b1649941>
- Imazato S, Nakatsuka T, Kitagawa H, Sasaki JI, Yamaguchi S, Ito S, Takeuchi H, Nomura R, Nakano K. 2023. Multiple-Ion Releasing Bioactive Surface Pre-Reacted Glass-Ionomer (S-PRG) *Filler*: Innovative Technology for Dental Treatment and Care. *J Funct Biomater* 14(4):236. <https://doi.org/10.3390/jfb14040236>
- Elfakhri, F., Alkahtani, R., Li, C. and Khaliq, J. 2022. Influence of *filler* characteristics on the performance of dental composites: A comprehensive review. *Ceramics International*, 48(19, Part A), pp.27280–27294. <https://doi.org/10.1016/j.ceramint.2022.06.314>
- Inoue, Hiroshi, Lan Lan, Zhengjian Ke, Yan Yang, Feng Zheng, Dan Mao, and Seiji Goda. 2022. Effects of S-PRG *Filler* Eluate on MMP-1 and MMP-3 Secretion by Human Gingival Fibroblasts. *Dental Materials Journal* 41(1): 159–66. <https://doi.org/10.4012/dmj.2021-062>
- Josic, Uros, Carlo D'Alessandro, Vesna Miletic, Tatjana Maravic, Claudia Mazzitelli, ovic, Roberto Sorrentino, et al. 2023. Clinical Longevity of direct Posterior Resin Composite Restorations: An Updated review and Meta-Analysis. *Dental Materials* 39(12): 1085–94. <https://doi.org/10.1016/j.dental.2023.10.009>
- Morita, Yuichiro Yamaguchi, and Takashi Matsuura. 2023. Effect sizes and Contents of Surface Pre-Reacted Glass Ionomer *Filler*



on Mechanical Properties of Auto-Polymerizing Resin. *Dentistry Journal* 11(3): 72. <https://doi.org/10.3390/dj11030072>

- Kamaraj, Palaniselvi. 2020. *Dental Composites : All You Need to Know*. Kindle Ed.
- Kim, Jong-Soo. 2012. Comparison of compressive strength and surface microhardness between *Flowable* composite resin and giomer. *the journal of the korean academy of pedtatric dentistry* 39. <https://doi.org/10.5933/JKAPD.2012.39.4.383>
- Kotecha, Niral, Nimisha C. Shah, Namita N. Gandhi, Priya Porwal, Ajinkya M. Pawar, Novaldy Wahjudianto, Dian Agustin Wahjuningrum, Suraj Arora, and Mohmed Isaqali Karobari. 2024. Evaluation of Pre-Heated Composite Resins with *Soft-start* Polymerization and Conventional Composite Restorations in Class-I Carious Lesions – A Randomized Clinical Trial. *Heliyon* 10(10): e30794. <https://doi.org/10.1016/j.heliyon.2024.e30794>
- Makhdoom, Sara N, Campbell KM, Carvalho RM, MANSO PA. (2020). Effects of Curing Modes on Depth of Cure and Microtensile Bond Strength of Bulk Fill Composites to Dentin. *Journal of Applied Oral Science* 28: e20190753. <https://doi.org/10.1590/1678-7757-2019-0753>.
- Mayumi, Kayoko, H. Miyaji, and T. Sugaya. 2020. Antibacterial Coating of Human Dentin Surface with Surface Pre-Reacted Glassionomer (S-PRG) Nanofillers.” <https://doi.org/10.14943/doctoral.k13487>
- Miletic, Vesna. 2018. *Dental Composite Materials for Direct Restoration*. Springer.
- Miyaji, Hirofumi, Kayoko Mayumi, Saori Miyata, Erika Nishida, Kanako Shitomi, Asako Hamamoto, Saori Tanaka, and Tsukasa Akasaka. 2020. Comparative Biological Assessments of Endodontic Root Canal Sealer Containing Surface Pre-Reacted Glass-Ionomer (S-PRG) Filler or Silica Filler. *Dental Materials Journal* 39(2): 287–94. <https://doi.org/10.4012/dmj.2019-029>
- Pizzolotto L, Moraes RR. 2022. Resin Composites in Posterior Teeth: Clinical Performance and Direct Restorative Techniques. *Dent J (Basel)* 27;10(12):222. <https://doi.org/10.3390/dj10120222>
- Kula, Z.; Klimek, L.; Dąbrowska, K.; Neves, C.B.; Roque, J.C. Selected Mechanical Properties of Dental Hybrid Composite with Fluorine, Hydroxyapatite and Silver Fillers. *J. Compos. Sci.* 2024, 8, 232. <https://doi.org/10.3390/jcs8060232>
- Vieira-Junior, W. F., Amaral, F. L., França, F. M., Basting, R. C. P. 2022. Bulk-fill restorative composites under simulated erosive conditions. Resinas compostas restauradoras bulk-fill es simuladas de cárie e erosão. *Acta odontologica*



- Kumar SR, Sharma A. (2023). Surface pre-reacted glass reinforced dental composite: Performance assessment of physicochemical, static mechanical, dynamic mechanical and wear properties. *Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering.*;238(6):2973-2982.
<https://doi.org/10.1177/09544089231169646>
- Shimizubata M, Inokoshi M, Wada T, Takahashi R, Motohiro UO, Minakuchi S. 2020. Basic properties of novel S-PRG *filler*-containing cement, *Dent Mat Journal.* 30:9, 963-969. <https://doi.org/10.4012/dmj.2019-317>
- Shah, S. S., Patel, N. K., Yagnik, K. P., Vyas, A., Doshi, P., & Keshrani, P. R. (2024). Comparative evaluation of microhardness of three restorative materials after immersion in chlorhexidine mouthwash: An *in vitro* study. *Journal of conservative dentistry and endodontics*, 27(5), 520–523.
https://doi.org/10.4103/JCDE.JCDE_87_24.
- Pimentel, E.S., França, F.M.G., Turssi, C.P. *et al.* 2023. Effects of in vitro erosion on surface texture, microhardness, and color stability of resin composite with S-PRG *fillers*. *Clin Oral Invest* **27**, 3545–3556. <https://doi.org/10.1007/s00784-023-04968->
- Kim, Mijoo & Lee, Jimin & Park, Chan & Jo, Deukwon & Yu, Bo & Al Khalifah, Shahed & Hayashi, Marc & Kim, Reuben. (2024). Evaluation of Shear Bond Strengths of 3D Printed Materials for Permanent Restorations with Different Surface Treatments. *Polymers.* 16. 1838. [10.3390/polym16131838](https://doi.org/10.3390/polym16131838).
- Krishnan A, Xu R. (2012). A Simple Effective Flaw Model on Analyzing the Nano *filler* Agglomeration Effect of Nanocomposite Materials. *Journal of Nanomaterials.*
<https://doi.org/10.1155/2012/483093>
- Liu, Jiani & Zhang, Hao & Sun, Huijun & Liu, Yanru & Liu, Wenlin & Su, Bo & Li, Shibao. (2021). The Development of *Filler* Morphology in Dental Resin Composites: A Review. *Materials.* 14. 5612.
<http://dx.doi.org/10.3390/ma14195612>



ri, F.A., Marques e Silva, R. (2015). Effect of the silane on the selected properties of an experimental microfilled sin. *Appl Adhes Sci* **3**, 27. <https://doi.org/10.1186/s40563-015->

Mohammed & Abo El Naga, Abeer. (2015). Effect of different on the degree of conversion and the microhardness of different

composite restorations. Dental Hypotheses. 6. 109. 10.4103/2155-8213.163815

Kotecha N, Shah N, Gandhi N, Porwal P, Pawar AM, Wahjudianto N, Wahjuningrum AD, Arora S, Karobari MI. (2024). Evaluation of pre-heated composite resins with soft-start polymerization and conventional composite restorations in class-I carious lesions – A randomized clinical trial, Heliyon, 10:8440, <https://doi.org/10.1016/j.heliyon.2024.e30794>.

Karatas O, Yilmaz MN, Pinar G, Omer S, Yapar MI. (2021). The effect of different curing units on the degree of polymerization of different composite resins. Journal of Oral Research and Review 13(1):p 31-36. DOI: 10.4103/jorr.jorr_31_20



Optimized using
trial version
www.balesio.com