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Effect of Resin-modified Glass Ionomer Cement Dispensing/Mixing Methods on Mechanical Properties

TA Sulaiman • AA Abdulmajeed • A Altitinchi • SN Ahmed • TE Donovan

Clinical Relevance: Automix resin-modified glass ionomer cements (RMGIs) may be easier and more efficient than a hand mix version of the same RMGI, but they may not have the same favorable mechanical properties, which could potentially affect the longevity of the cement.

doi: https://doi.org/10.2341/17-166-L

Application of the Self- Assembling Peptide P11-4 for Prevention of Acidic Erosion

S Suda • T Takamizawa • F Takahashi • A Tsujimoto • S Akiba • Y Nagura • H Kurokawa • M Miyazaki

Clinical Relevance: The use of peptide P11-4 may be considered for preventing enamel acid erosion.

doi: https://doi.org/10.2341/17-175-L

Nanofilled Resin Composite Properties and Clinical Performance: A Review

H Alzraikat • MF Burrow • GA Maghaireh • NA Taha

Clinical Relevance: Nanocomposites have been found to exhibit properties and clinical performance comparable to those of several hybrid composites but better than microfilled composites. However, there is no long-term evidence yet to show a superior performance that justifies their use in stress-bearing areas.

doi: https://doi.org/10.2341/17-208-T

Do Nanofilled/Nanohybrid Composites Allow for Better Clinical Performance of Direct Restorations Than Traditional Microhybrid Composites? A Systematic Review

D Angerame • M De Biasi

Clinical Relevance: The effectiveness of direct restorations performed with nanofilled/nanohybrid composites was similar to that obtainable with traditional microhybrid composites. The weight of the available evidence supports the free choice in the clinical setting between these two classes of restorative materials.

doi: https://doi.org/10.2341/17-212-L

At-home Bleaching With 10% vs More Concentrated Carbamide Peroxide Gels: A Systematic Review and Meta-analysis

JL de Geus • LM Wambier • TF Boing • AD Loguercio • A Reis

Clinical Relevance: Based on the results obtained in this study, similar results are obtained in terms of bleaching effectiveness with different concentrations of carbamide peroxide, but 10% carbamide peroxide produced lower risk and intensity of tooth sensitivity.

doi: http://dx/doi.org/10.2341/17-222-L

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