Composite resin in anterior teeth: literature review

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ABSTRACT

INTRODUCTION: The growing search for aesthetic treatments in dentistry allows patients to increasingly expect a more harmonious smile. Factors such as symmetry, balance, function, proportion and harmony should be considered by the professional when transforming the smile of his patient. The use of composite resin as a material for the reanatomization of anterior teeth is an excellent option, when well indicated, because it requires minimally invasive techniques, preserving the dental structure at a low cost. OBJECTIVE: The aim of this study was to perform a systematic review on the use of composite resin to reanatomize aesthetically compromised teeth, aiming at quality and longevity, according to the needs of each patient. METHODOLOGY: A bibliographic search was carried out in the Pubmed, Scopus, and Scielo databases, selecting articles from 2015 to 2022. The inclusion criterion defined was articles that bring the use of composite resin in anterior teeth for aesthetic purposes, including aspects of naturalness. The defined exclusion criterion was articles that brought the use of other materials in anterior teeth. RESULTS: There is a consensus among the authors that composite resin is the material most requested by professionals and patients for the reanatomization of anterior teeth, due to its main advantages of rapid execution, satisfactory aesthetics, conservation of healthy tooth structure, fewer clinical sessions, no need for laboratory steps, easy repair and affordable cost. However, acid etching, the choice and mode of application of the adhesive system, the physical, mechanical and optical properties of the composite resin, light-curing and finishing and polishing of the restoration are factors that can directly interfere with the adhesion of the restorative material to the tooth. CONCLUSION: Therefore, technical-scientific knowledge on the part of the professional is essential to avoid infiltrations and the failure of these restorations.

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