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Aesthetic rehabilitation with leucite-reinforced glass ceramics

By Dr. Sidimohamed Bechiri, Algeria

Ceramic veneers have become popular aesthetic treatment options that balance minimal invasiveness and durability in an optimal manner. Pure feldspathic porcelain exhibits the best aesthetical appearance, but is brittle in nature and lacks in strength. Therefore, these are usually reinforced by dispersing a phase of a different material, such as leucite. These included nuclei strengthen the material and are able to stop crack propagation. Additionally, the restoration needs to be of sufficient thickness and a good bond to the underlying substructure, preferably enamel, is essential to reinforce the restorative complex.



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