

Improvement of composite enamel bond strength using tooth drying solution

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Abstract:

The purpose of this investigation is to study the effect of pretreatment of enamel surface on the bond strength and the film thickness of three composite systems as well as to study the correction between the film thickness and bond strength . a mechanical testing machine was used to mear shear and tensile bond strength of composites to enamel. The film thickness of composite was measured using a traveling microscope.

The following conclusions were drawn:

- (1)improvement of composite – enamel bond strength to treated enamel surface using tooth drying solution.
- (2)No correction was found between the recorded film thickness and bond strength.

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