

1 Which of the following statements is correct.

The tested materials combinations:

- a Bonded better to enamel than to dentin
- b Had comparable bond strengths on dentin
- c Had comparable bond strengths on both enamel and dentin
- d Bonded better to dentin than to enamel.

2 Before being used in the experiment, the extracted human molars were stored for one month:

- a in 37°C distilled water
- b in 96% alcohol
- c in 37°C saline solution
- d. in 0.1% thymol solution

3 During microtensile bond strength testing each composite layer

- a was individually cured for 10 seconds
- b was individually cured for 20 seconds
- c was individually cured for 40 seconds
- d was individually cured for 60 seconds

4 Cohesive failure of the specimens were determined by as

- a the dental substrate/adhesive interface, adhesive/flowable composite interface, flowable composite/restorative composite interface.
- b within the dental substrate, the adhesive layer, the flowable composite or the restorative composite
- c a combination of the two modes in the same interface

5 Post-hoc comparisons in the statistical analysis of microtensile bond strength were made by applying the

- a Two-Way Analysis of Variance
- b Kolmogorov-Smirnov Test
- c Tukey test
- d Levene's test

6 Cohesive failure within the restorative composite was reported in the dentinal substrate by the combination of

- a Xeno III + X-Flow
- b Futurabond NR + Grandio flow
- c Adper Prompt L-Pop + Filtek Supreme XT Flow
- d none of the above.

7 The bond strengths to dentin of Futurabond NR + Grandio Flow and Xeno III + X-Flow were

- a significantly lower than those of all the other experimental groups
- b significantly higher than those of all the other experimental groups
- c the same as those of all the other experimental groups

8 The three adhesives tested in this study showed

- a significant differences in bond strength to enamel
- b no significant differences in bond strength to enamel
- c no significant differences in bond strength to dentin

9 The simultaneous curing of an adhesive and a flowable composite has been shown to

- a decrease the microleakage at dentin margins of class V restorations
- b increase the microleakage at dentin margins of class V restorations
- c have no influence on the microleakage at dentin margins of class V restorations

10 Within the limits of the present investigation it may be concluded that

- a both materials combination and dental substrate influence the microtensile bond strength of self-etching adhesive/flowable composite combinations to enamel and dentin.
- b that both materials combination and dental substrate influence the microtensile bond strength of self-etching adhesive/flowable composite combinations to dentin only.
- c that both materials combination and dental substrate influence the microtensile bond strength of self-etching adhesive/flowable composite combinations to enamel only.

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