

1 Which of the following statements is correct?

Silanization with or without sand-blasting resulted in:

- a Significantly lower bond strength
- b No change in bond strength
- c Significantly higher bond strength
- d None of the above

2 Which of the following statements is correct?

Glass and carbon fiber posts have the following advantages over cast metal posts:

- a Improved clinical performance by saving chair time and thus reducing costs
- b An elastic modulus similar to dentin
- c They increase the transmission of light within the root
- d All of the above

3 The aim of the in vitro study was to evaluate the effects of surface treatments of:

- a Fiber reinforced composite posts on the microtensile bond strength with the same core materials
- b Cast metal posts on the microtensile bond strength with different core materials
- c Fiber reinforced composite posts on the microtensile bond strength with different core materials

4 The surface treatment used for Group 3 was:

- a Sandblasting and silanization
- b No treatment
- c Only silane was applied to the surface
- d Sandblasting only

5 The materials used for core build-up were:

- a One flowable resin dual composite, two nano-hybrid light-activated composites and one dual heavy core material
- b One flowable resin dual composite, one nano-hybrid light-activated composite and two dual heavy core materials
- c Two flowable resin dual composites, one nano-hybrid light-activated composite and one dual heavy core material

6 Results show the highest bond strength on silanated posts was recorded with:

- a Multicore Flow
- b Tetric EvoCeram
- c Tetric Flow
- d Multicore HB

7 Which of the following statements is correct?

On sandblasted and silanated posts the bond strengths of Tetric Flow and Multicore Flow were:

- a Significantly lower than the bond strength of Multicore HB
- b Comparable to the bond strength of Multicore HB
- c Significantly higher than the bond strength of Multicore HB
- d None of the above

8 Which of the following statements is correct:

The dual molecule of silane is characterised by two ends with different polarity:

- a the alkoxy group chemically bonds with the composite resin monomers, while the methacrylate group polymerizes with the silicatised surface
- b the alkoxy group chemically bonds with with the silicatised surface, while the methacrylate group polymerizes with the composite resin monomers
- c None of the above

9 Of the dual-cure composites, Multicore Flow showed a better behaviour compared to Multicore HB when:

- a The posts were sandblasted only
- b No surface treatment was performed on the posts
- c Only silane was applied to the post surface
- d The posts were sandblasted and silanized

10 It can be concluded that:

- a Flowable composites achieved a lower bond strength than a hybrid composite and a heavy body core material
- b Hybrid composites achieved a higher bond strength than a flowable composite and a heavy body core material
- c Flowable composites achieved a higher bond strength than a hybrid composite and a heavy body core material
- d Hybrid composites achieved a lower bond strength than a flowable composite and a heavy body core material

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