

Questions

Regarding the present study:

- a. Two micro-hybrid composites resins were analyzed
- b. A micro-hybrid and a nano-composite resin were analyzed;
- c. Two restorative nano-composites were analyzed;
- d. Two macro-filled restorative composites were analyzed;

The restorative composites used in the present study have the following filler load:

- a. Silica and zirconia 30% vol.
- b. Borosilicate and zirconia 60% vol.
- c. Silica 60% vol.
- d. Silica and zirconia 60% vol.

Regarding the fractal analysis, the fractal dimension, D , has the following value:

- a. $D=1$, for a highly irregular line;
- b. $D=2$, for a perfect smooth line;
- c. $D=3$, for a perfect smooth surface;
- d. $D=2$, for a highly irregular line.

Particle-matrix adhesion is not controlled by:

- a. The particle surface on which chemical bonds are formed with the functional groups of the matrix
- b. The particle surface roughness which extends the effective area for physical contact with the matrix.
- c. Silane-coupling agent, which connects the inorganic fillers to the organic matrix
- d. The filler particle size.