



focus 2nd Quarter Quiz 2020

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1. Partially stabilized zirconia allows the production of reliable multiple-units all- ceramic restorations for high-stress areas.

- a. True
- b. False

2. The standard white zirconia and what we all initially became custom to using, has about three-mole percent of yttria added to pure zirconia.

- a. True
- b. False

3. As this material becomes more popular, an attempt to improve esthetics by increasing translucency was in part accomplished by decreasing the yttria content as well as altering minor component concentration such as alumina.

- a. True
- b. False

4. The original 3Y zirconia has unique characteristics that make it the strongest and toughest of most of the ceramics used for restorations.

- a. True
- b. False

5. There are claims of stress values up to 1000MPa, typically values for flexural strength range from approximately 700MPa to 900MPa.

- a. True
- b. False

6. Fracture toughness is a measure of material's ability to resist crack growth.

- a. True
- b. False

7. High quality, properly fabricated zirconia materials should be pore-free with a fine microstructure of around .8-1 micron.

- c. True
- d. False

8. As the yttria content increases, the material is more susceptible to surface damage and has lower fracture toughness and strength.

- a. True
- b. False

9. When selecting zirconia materials with high translucency, it is not important to recognize the limitations for use.

- a. True
- b. False

10. in summary, zirconia is a single material that can be used anywhere in the mouth.

- a. True
- b. False

Passing quiz grades are worth ½ point documented scientific credit towards your CDT or RG renewal and towards the State of Florida required 18 hours of continuing education. Look for more quizzes in future issues of focus magazine!

You must submit your completed quiz to FDLA by fax at (850) 222-3019 or by mail to the address below. For CDT credit, FDLA will report your hours directly to NBC. For State of Florida credit, FDLA will upload the information to CE Broker. Please allow 2 – 4 weeks to process your quiz.

Name: _____ CDT # if applicable: _____ DOH Lic #: _____

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