



**focus 4rd Quarter Quiz 2022**

Monolithic Restorations Made of  
Zirconium Oxide  
NBC Approval #42589  
CE Broker #20-957892

1. Modern zirconium oxide materials incorporate a wide range of light-optical properties that impart an inherent natural appearance to restorations.
  - a. True
  - b. False
2. Because of these high performing material characteristics, the technician doesn't have to worry about the use of the materials.
  - a. True
  - b. False
3. Nature does not produce perfectly straight lines, but CAD/CAM milling machines do.
  - a. True
  - b. False
4. The use of the CAD/CAM fabrication of monolithic restorations is now incompatible with natural esthetics.
  - a. True
  - b. False
5. Monolithic CAD/CAM zirconia restorations can be given an additional touch of individuality and natural beauty by applying

- external shade effects to refine the surface texture (secondary anatomy).
- a. True
  - b. False
6. The staining technique was introduced in 1970. It revolutionized the manufacture of ceramic restorations.
    - a. True
    - b. False
  7. Given its high strength, IPS e.max ZirCAD Prime is suitable for bridges with up to 14 units.
    - a. True
    - b. False
  8. The more pronounced the texture, the more light is reflected. This also has an effect on translucency.
    - a. True
    - b. False
  9. For this reason, surface textures should be heavy, especially in the incisal third, where a high degree of translucency is essential for the monolithic crown to look natural.
    - a. True
    - b. False
  10. Monolithic zirconia restoration can be "brought to life" by manually creating surface textures and, as an option, by applying external shade effects. To do so successfully, the skilled craftsmanship and creativity of the dental technician are required in addition to a coordinated range of materials.
    - 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 #: \_\_\_\_\_

Laboratory Name: \_\_\_\_\_

Address/City/State/Zip: \_\_\_\_\_

Phone: \_\_\_\_\_ Email: \_\_\_\_\_

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**This quiz is provided to test the technician's comprehension of the article's content, and does not necessarily serve as an endorsement of the content by FDLA or NBC.**