

Esthetic Restorative Materials

Direct Esthetic Restorative Materials

1. Define synthetic resin and discuss its uses in dentistry.
2. List important properties of composites.
3. List the components of and briefly discuss the composition of composite resins.
4. Describe and differentiate between four types of filled resins (conventional, microfilled, small particle, and hybrid composites).
5. Discuss the mechanism of 2 paste and single paste systems.
6. Identify the primary advantage of light cured composites over chemically activated composites.
7. Discuss advantages and disadvantages of the composite resin as a posterior restorative material.
8. Identify types of composite resins that are suitable for posterior restorations.
9. Explain the rationale and procedures for using an acid etch technique with composite resins.
10. Discuss the uses of bonding agents.
11. Discuss the properties of ionomer restorative materials.

Indirect Esthetic Restorative Materials

1. Identify the type of ceramic most commonly used in dentistry.
2. Identify two major types of dental porcelain.
3. Identify types of restorative treatments in which porcelain may be used.
4. Briefly describe the basic technique involved in constructing a porcelain restoration.
5. Discuss the proper care of dental porcelain restorations.
6. Describe the general properties of porcelain restorations.
7. Discuss the need for the porcelain-metal restoration.
8. Discuss the drawbacks of using porcelain on occlusal surfaces.
9. Briefly discuss castable ceramic materials.
10. Identify three types of acid-etched, resin-bonded ceramic restorations.
11. Briefly discuss use of CAD-CAM technology and cite its main advantage.

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