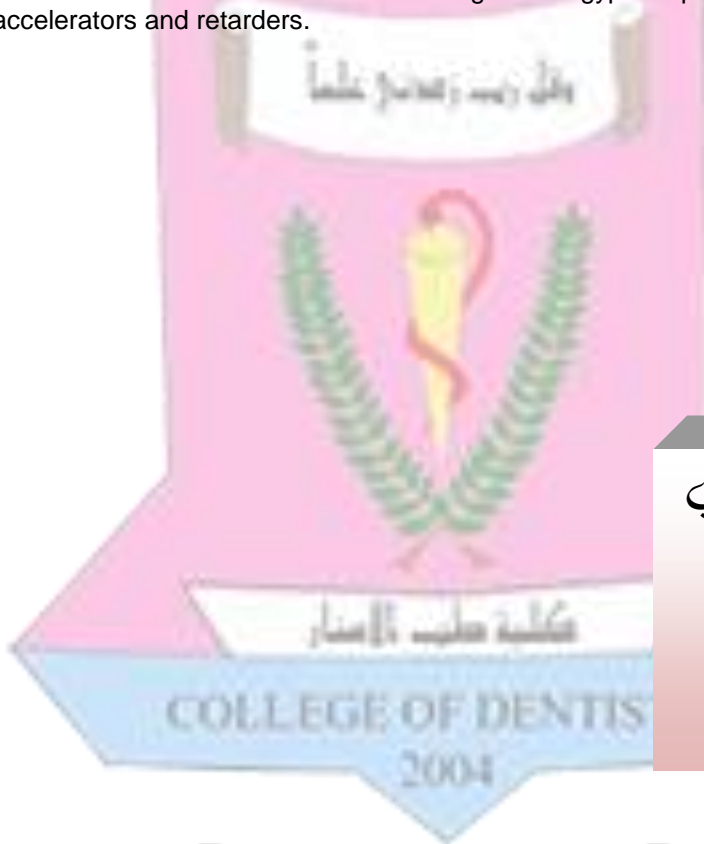


Models

1. Define model, cast, and die and discuss the uses of each.
2. Identify the groups of materials used to make models, casts, or dies from dental impressions.
3. Discuss desirable qualities for a model, cast, or die material.
4. Discuss the source and manufacturing process of gypsum products.
5. Identify ADA specification Type II, III, IV and V gypsum products and discuss the uses and characteristics of each.
6. Define and discuss excess water.
7. Discuss the physical nature of plaster, stone, high-strength stone and high-strength, high expansion stone and how it relates to water powder ratios and the properties of the final gypsum products; Cite the water-powder ratio for each product
8. Define and differentiate between initial setting time and final setting time.
9. Describe how the water-powder ratio, temperature, mixing method, addition of accelerators or retarders affect the setting time of gypsum products. Cite examples of accelerators and retarders.



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