



## Achieving Ideal Esthetics and Maximum Function With Composite

**Dr. Joseph Sabbagh, Lebanon**

Assistant Professor

Dept of Restorative and Esthetic dentistry

Lebanese University-Beirut

The application of resin composites have widely extended and now, they are employed with greater frequency for anterior and posterior restorations. The stickiness of the composite to the instrument, and postoperative sensitivity, are some of the problems encountered by the dentist. All means and tools that help to obtain trouble free composite will be detailed, emphasizing the best way of their use.

The lecture will answer some important questions :

- 1) What are the composites used for anterior restorations?
- 2) Do nanocomposites behave better than microhybrids?
- 3) How to achieve invisible restorations according to the layering concept?
- 4) The aim of layering technique
  - Preservation of dental tissues
  - Recreate Shape and Shade
  - Individual characterisation
  - Reduce polymerisation shrinkage
  - Have a better adaptation of the composite
  - Absence of voids and porosities

Different clinical cases including easy to complex restorations, will show a well defined clinical procedure that includes:

**A-SHADE SELECTION :** How and when to select the shade? What are the main factors affecting shade selection?

**B-CAVITY PREPARATION :** The burs used for cavity preparation and bevel Achievement

**C- FIELD ISOLATION:** Using rubber dam has many advantages such as ensuring a dry field, avoiding contamination and enhancing the visibility.

**D- MATRIX AND WOOD WEDGE PLACEMENT;** different techniques and materials can be used for placing a matrix the cavity and

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E- ETCHING RINSING & BONDING : Those are the main key steps of adhesion. A detailed explanations and tricks will be given to achieve an optimal bonding Process

F- COMPOSITE FILLING: Many instruments and techniques can be used for restoring a cavity, depending on its depth and size.

G- FINISHING AND POLISHING: Burs, discs, and auto-abrasive silicone cups can be used for finishing and polishing the restorations. Those steps will ensure a long lasting polishability and enhance the esthetic result.