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# Operative Dentistry

## Conservative Dentistry

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It's the art and science of  
diagnosis, treatment and prognosis  
of defects of teeth. Such treatment  
should result in:

### Goals

Restoration of proper tooth form.

Function.

Esthetic.

Maintain physiological integrity and  
harmonious relation with surrounding  
tissues.

Previously was a just a practice not based on scientific knowledge.

Louis Pasteur (France)      Role of MO in disease.

G.V Black (USA, 19<sup>th</sup>) *Father of operative*

related the clinical practice to scientific

bases.

### Indications

Indications are numerous, but can be categorized into the following primary needs

Caries ❖

Malformed teeth. ❖

Discolored teeth. ❖

Fractured teeth. ❖



Replacement or repair of  
previous restorations.

## NEEDS AND OBJECTIVES OF RESTORATIVE INTERVENTION

1. Repair a tooth after destruction from carious lesion.
2. Another often-occurring need is the replacement or repair of restorations with serious defects
3. As previously mentioned, esthetic demands of patients is a reason for placing
4. Restorations are also required to restore form and function
5. For restoration of occlusion
6. Repair of fractured tooth
7. Lastly, a tooth may be restored in a preventive sense

In general the objectives of tooth  
preparations are:

1. To remove all defects and give the necessary protection to the pulp.
2. Locate the margins of the restoration as conservatively as possible.
3. Form the cavity so that the tooth or the restoration will not fracture under forces

of mastication and the restoration will not be displaced.

4. Allow for the esthetic and functional placement of the restorative material

## Considerations

Infection control ❖

Examine oral and systemic health of pt not ❖  
only the affected tooth.

Oral manifestation of other diseases ❖

Understanding of restorative material ❖  
properties.

Understanding of oral environment to which ❖  
the restoration placed

Understanding of biological bases and function ❖  
component and of the various tooth  
supporting structures.

Knowledge of correct dental anatomy ❖

Effects of operative procedures on the ❖  
disciplines. treatments of other

Treatment plane. ❖