



I. Class and composite material

- Small – moderate cavities good level of oral hygiene, cooperative patients.

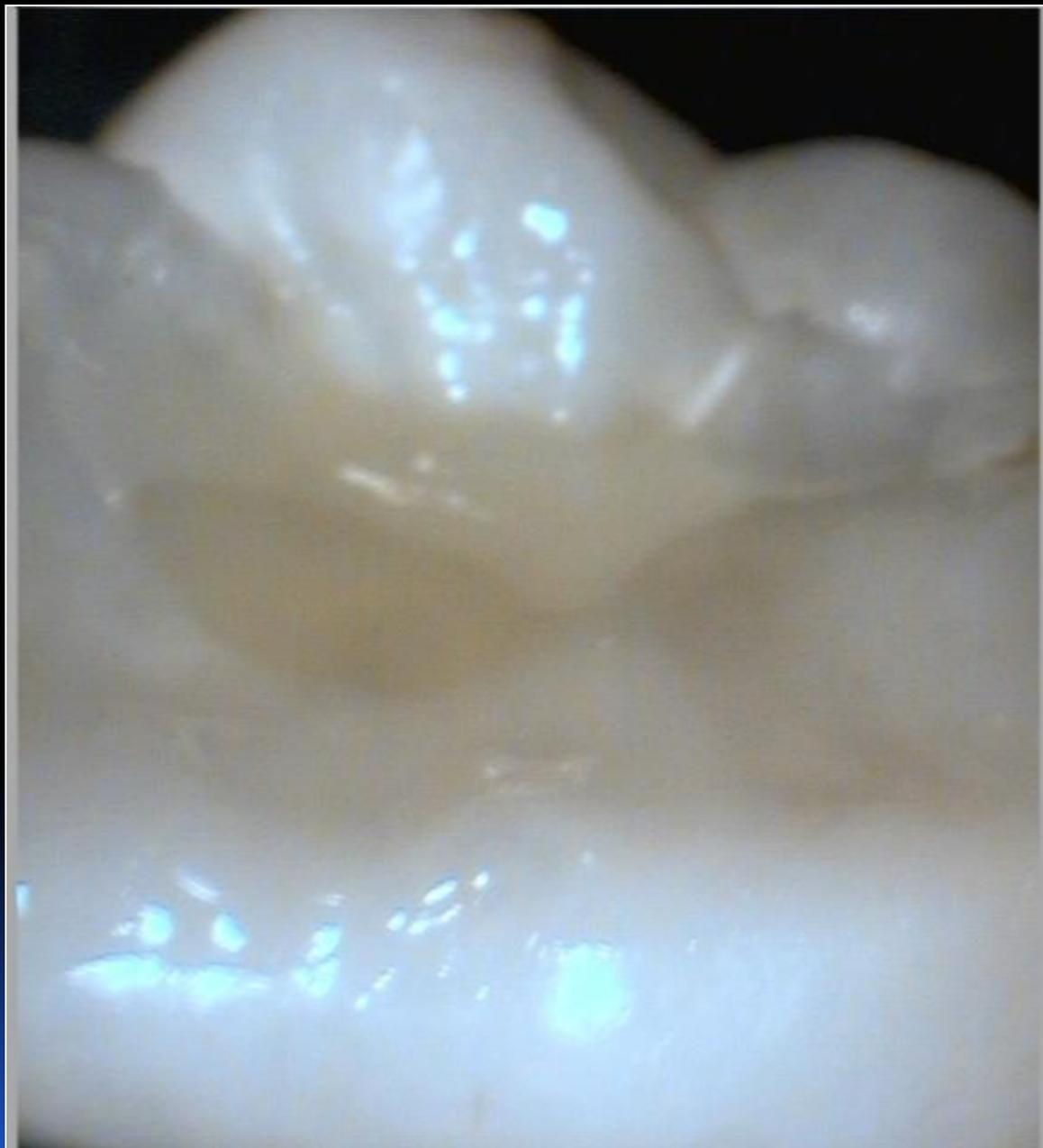


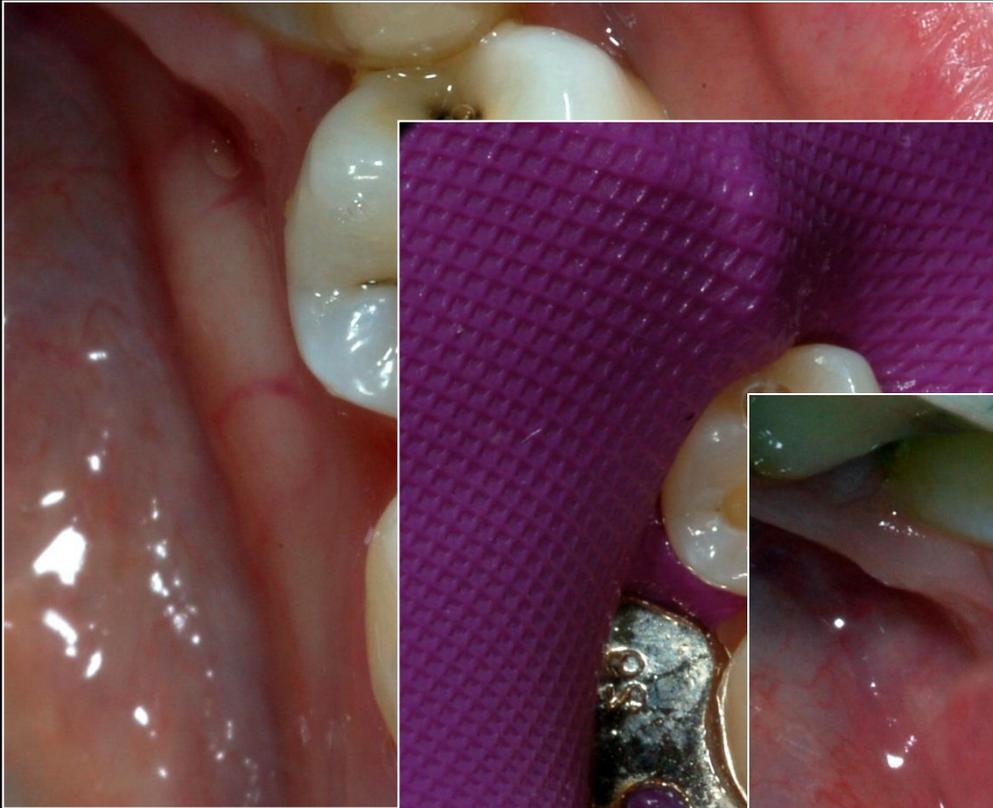
Preparation

Fissures are open, cavity is like a box with (rounded). No undercuts are prepared. The cavosurface margin is smooth.

Making filling

- After preparation acid etching is performed (phosphoric acid) – 20 – 30 s in enamel, 10 s in dentin
- Washing as long as acid etching
- Access of water is removed
- Primer and bond – disperse with air
- Light curing
- Application of the material – layers
- Light curing
- Finishing – diamond bur (yellow), polishing – rubber rotary instrument.





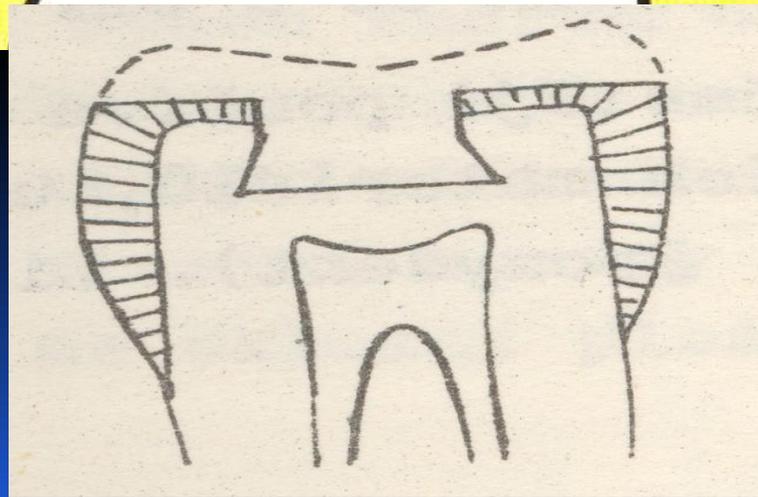
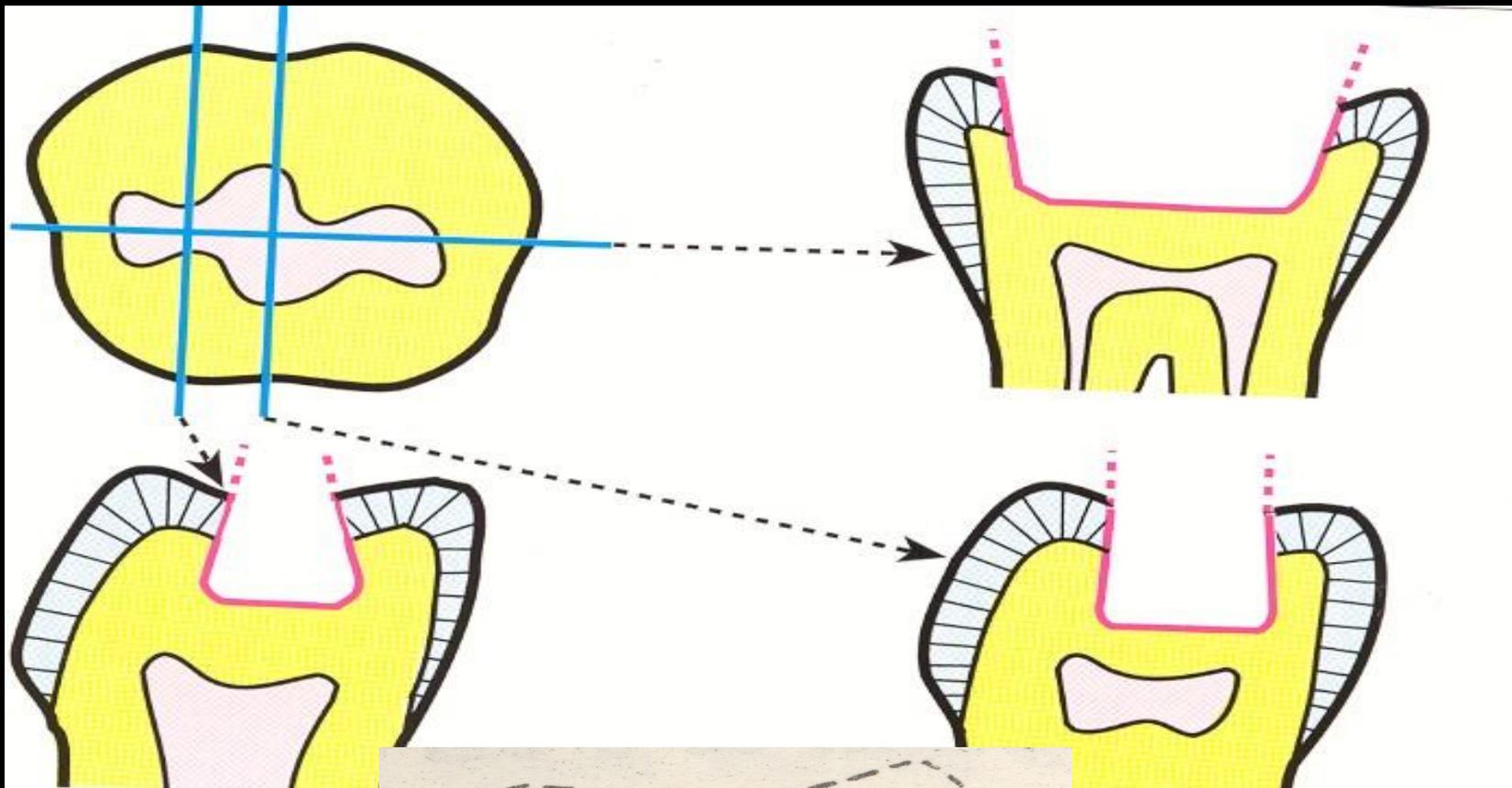
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CZ

Preparace na inlay

- Inlay je rigidní výplň
- Zhotovuje se mimo kavitu a do kavity se upevní cementem
- Preparace je kavita s rozbíhavými stěnami
- Preparujeme lehce asymetricky







INLAYS



Inlay

- A rigid filling that is made out of oral cavity and is luted into cavity using a cement



Material

- metal alloy (golden alloy)
- Composite
- Ceramics



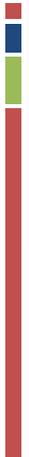
Indication

- **Big destruction of hard dental tissues**
- **It is not possible to make direct filling of amalgam or composite**



Contraindication

High risk of dental caries



Small and shallow cavities

Současný pohled na problematiku

- Lité výplně

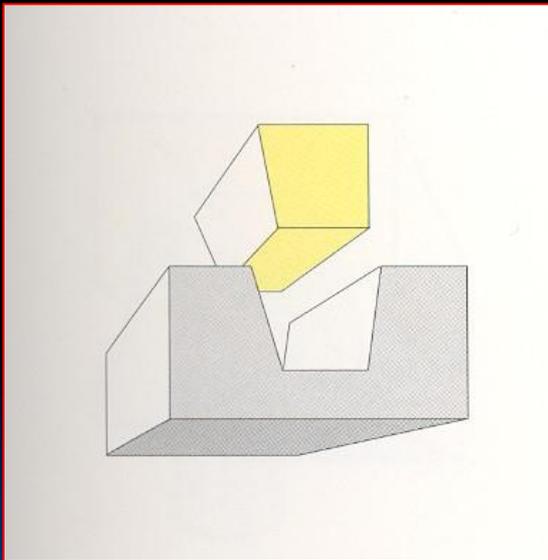
Inlay

Onlay

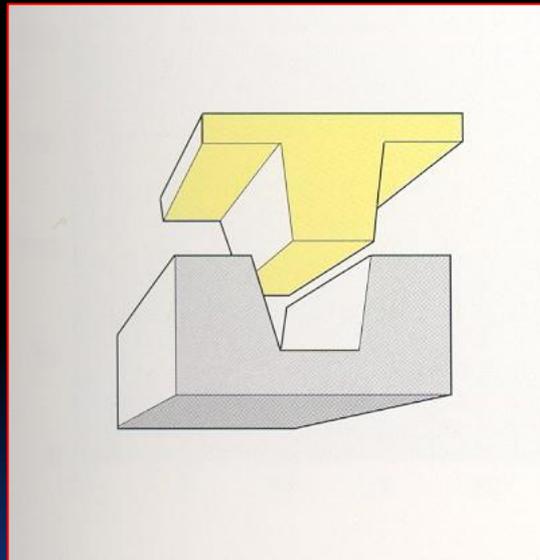
Overlay

Classificationb

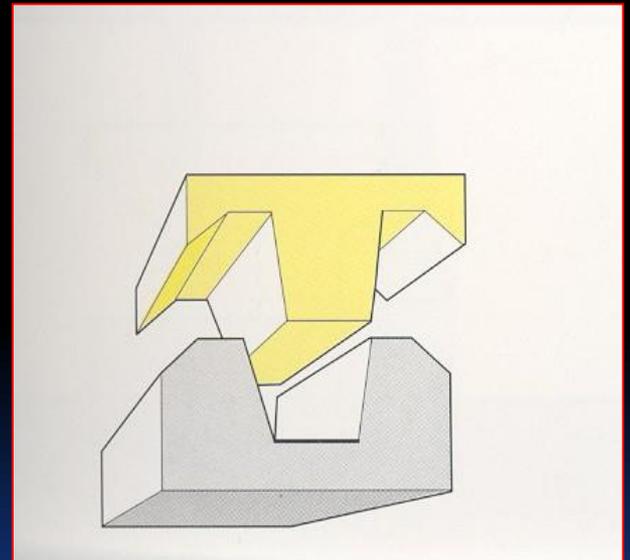
Inlay



Onlay



Overlay



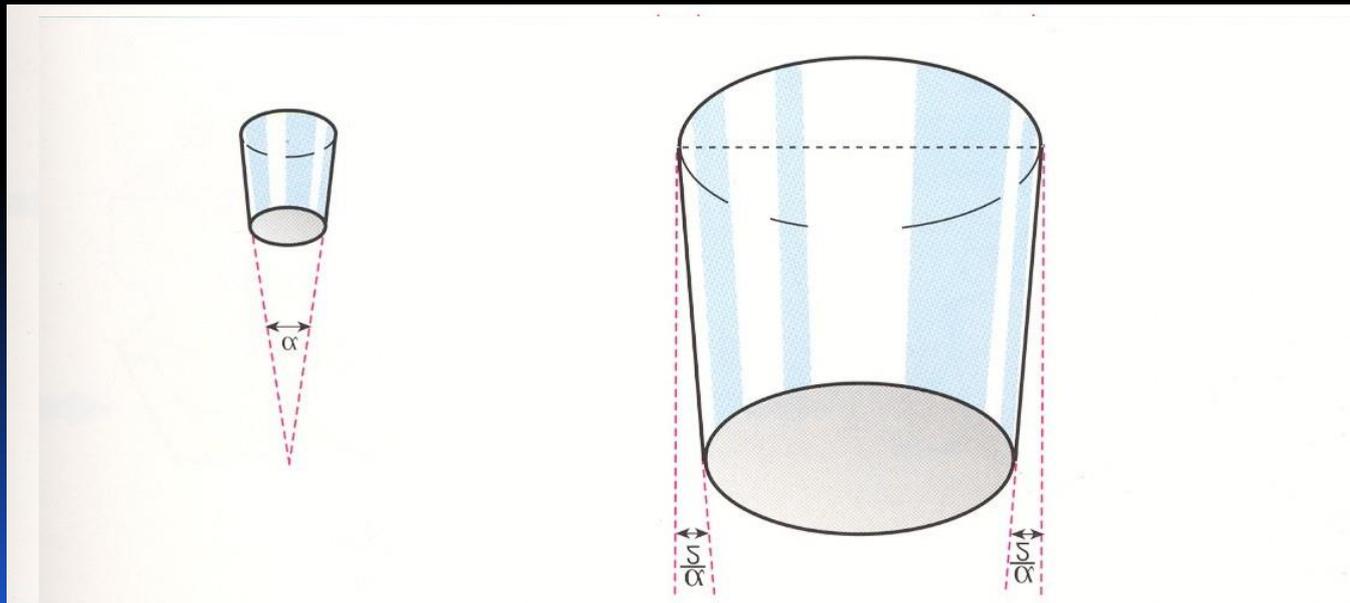


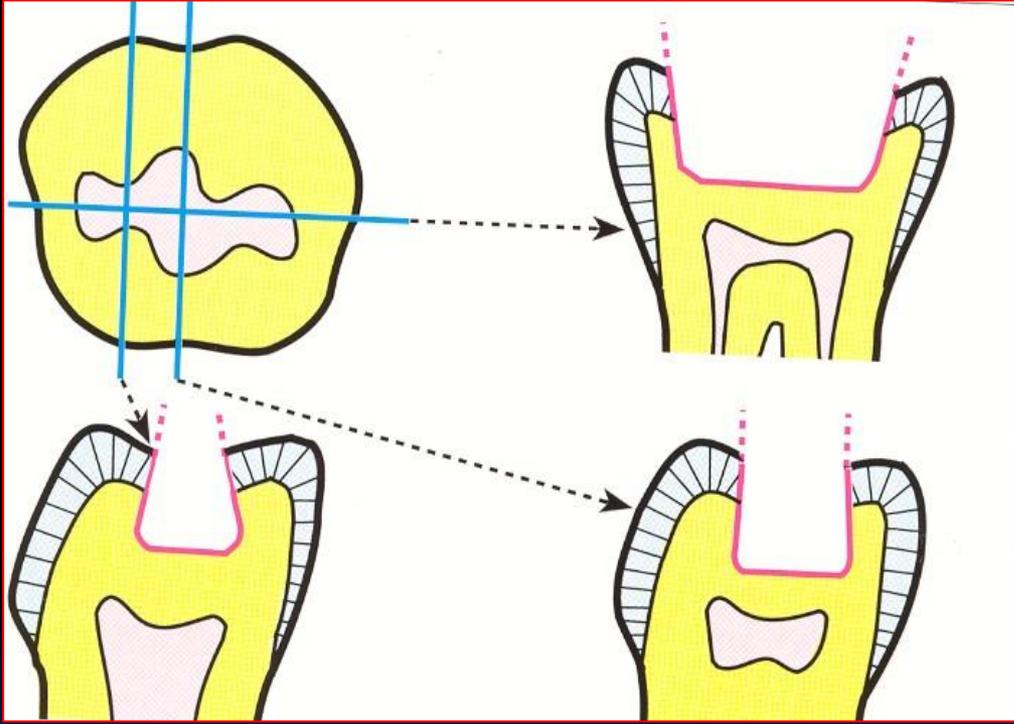
Preparation

- Box
- No undercuts
- Divergency of the walls occlusally
(facilitating shape)

Retention

Surface friction
Adhesive power of the cement





Inlay made of the metal alloy

- Direct method
- Indirect method

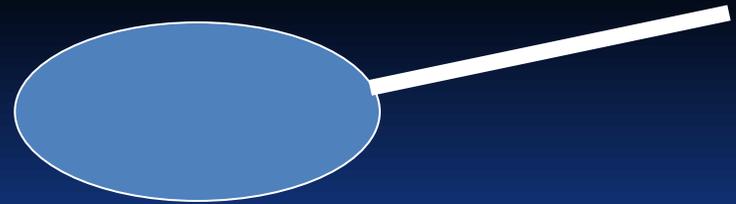


Direct method

- In central cavities only
- Indirect method in most cases

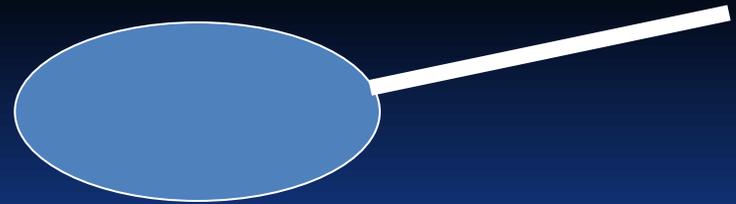
Direct method

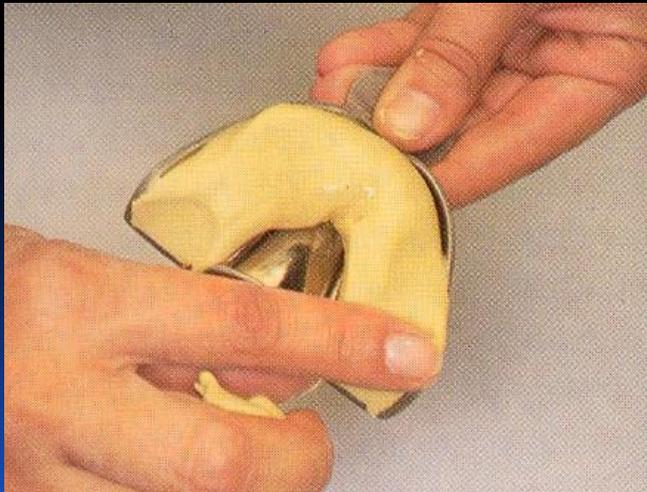
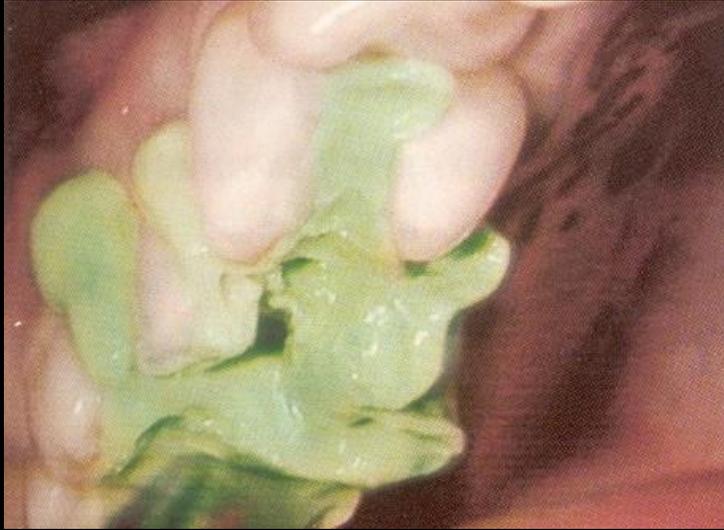
1. Preparation
2. Isolation
3. Modellation of wax
4. Sprue pin with reservoir
5. Placement on the wax cone
6. Transporz to dental lab
7. Making of the inlay - lost wax method
8. Cementation



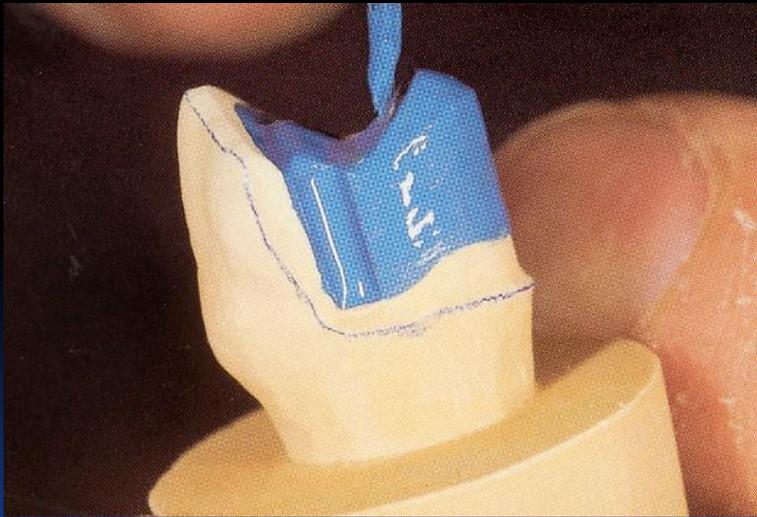
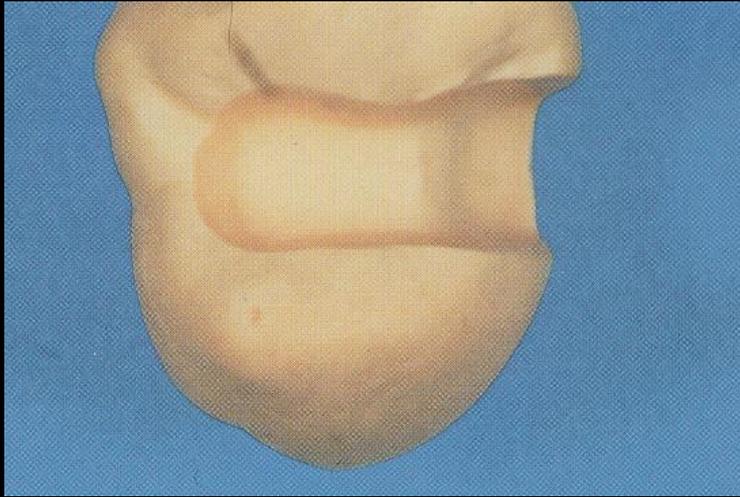
Indirect method

1. Preparation
2. Taking impressions
3. Transport to dental lab
4. Making of the inlay - model, isolation, modellation, lost wax method
5. Cementation

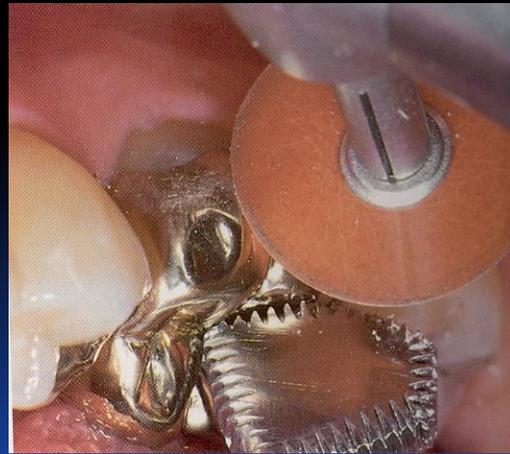
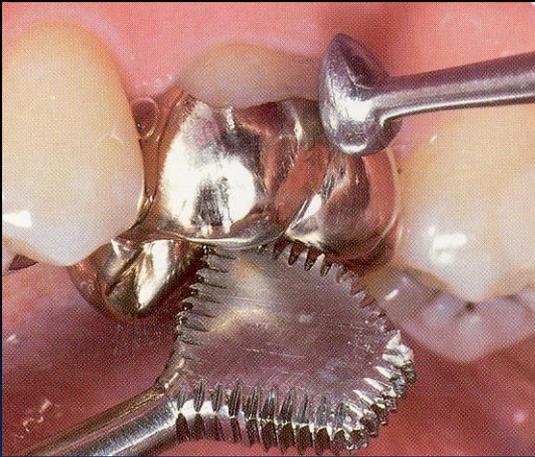
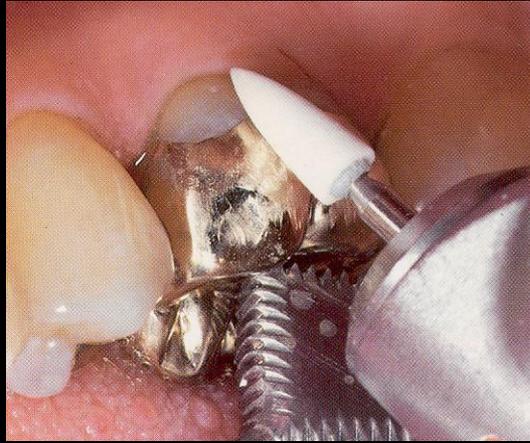
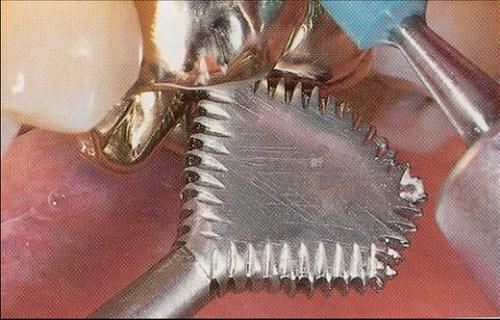


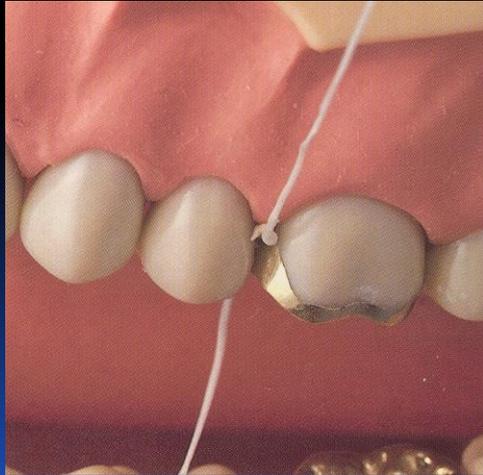
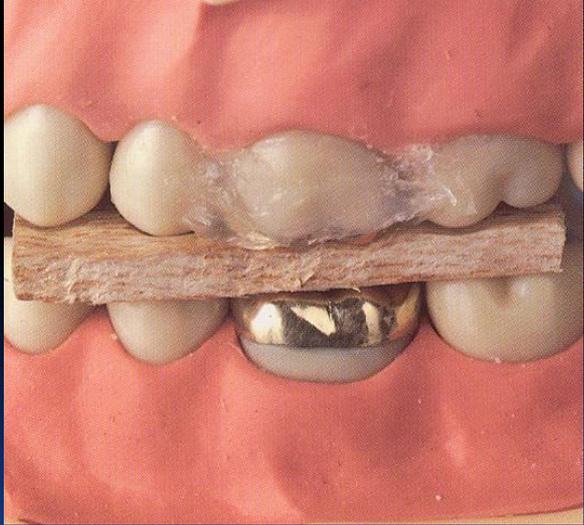
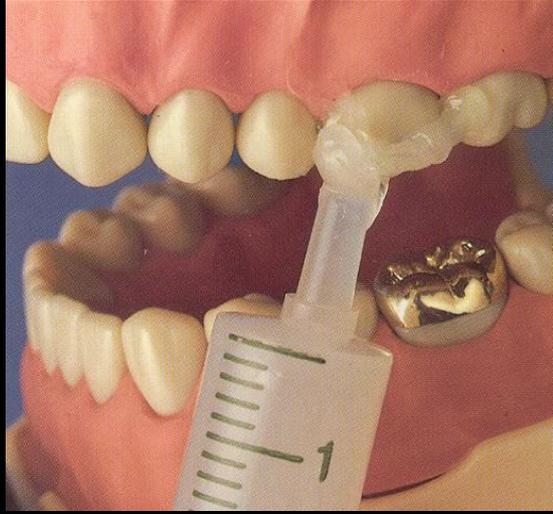




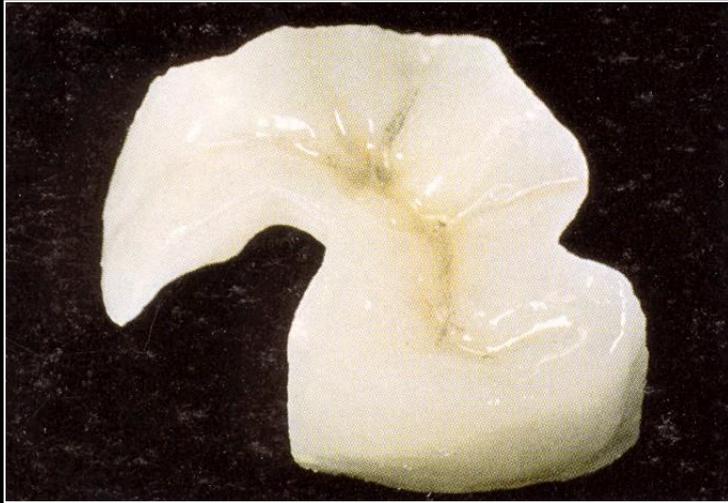








non metallic inlays



Composite

Ceramics

Special procedures, cementation using composite cements.



