

Isolation of the operation field

Dry field in oral environment?

- Access
- View
- Setting of materials

What does complicate the access?

- Saliva
- Cooling water spray (??)
- Blood

Dry field management

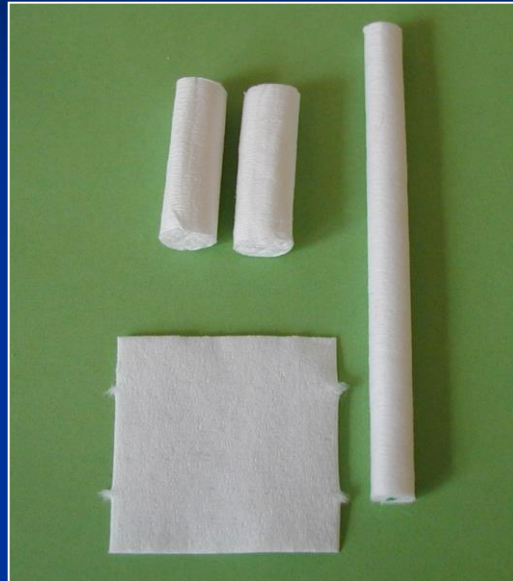
Relative dry field

Absolute dry field

Relative dry field

Cotton rollers

Cotton squares



Cotton cups



Relative dry field

- Belvedere matrix
- Wooden wedges
- Minidam





Wooden wedge

Access to the cavity
(retracts the gingiva)

Dry field
(stops bleeding)

- Matrix adaptation
(presses the strip tightly)

Absolute dry field

Rubber dam (kofferdam)

A membrane which isolates the operation field from oral environment.



Template

Frame

Rubber

Perforation forceps



Clamp

Components

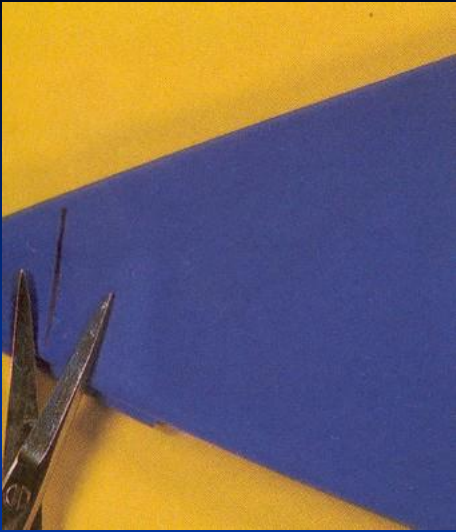
Forceps for clamps

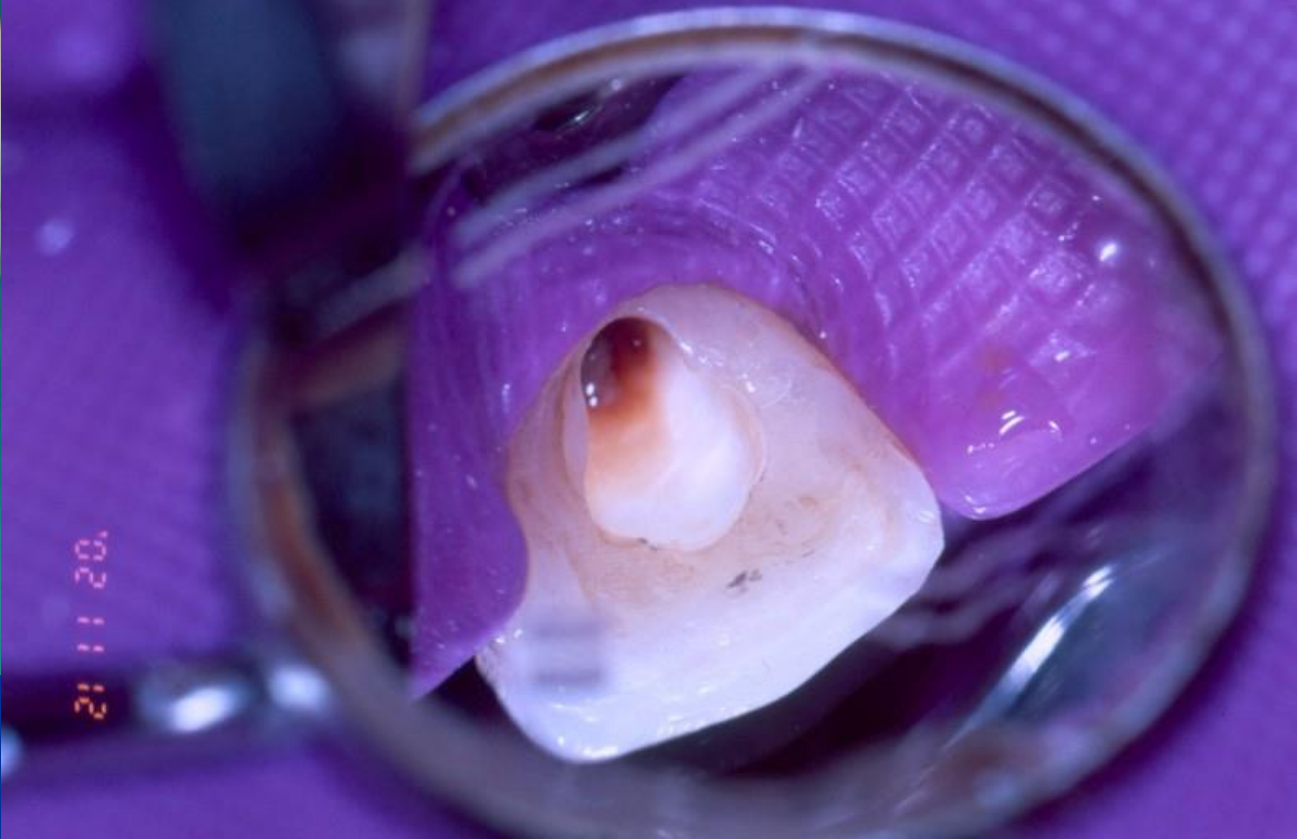
Benefits

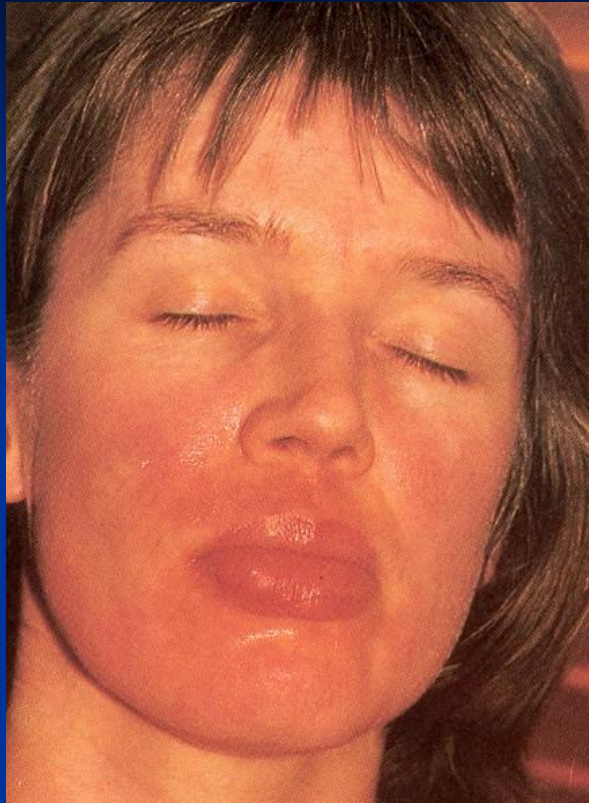
- Protection of patient against gulp or aspiration
- Protection of dentist and assistant against infection
- Possibility of the aseptic approach
- Absolute dry field
- Retraction of soft tissues
- Protection of soft tissues
- Better access to the operation field

Nevýhody a nebezpečí kofferdamu

- Limitation of oral breathing
- Fear
- Latex allergy
- Aspiration or gulp of the clamp
- Damage of hard and soft tissues



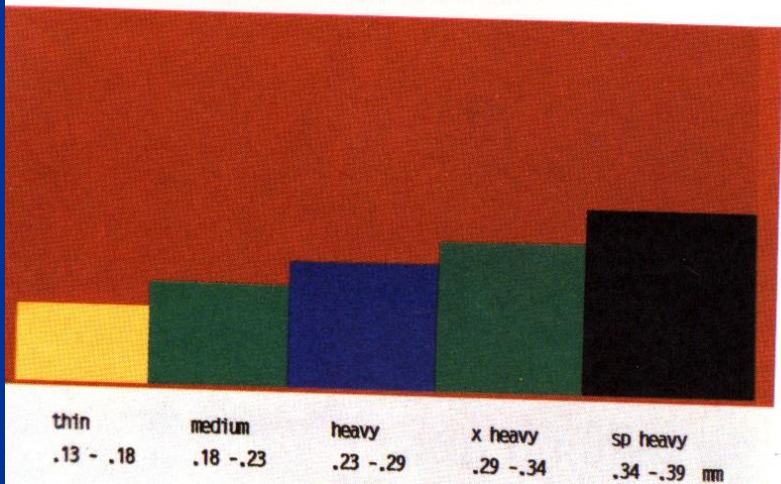






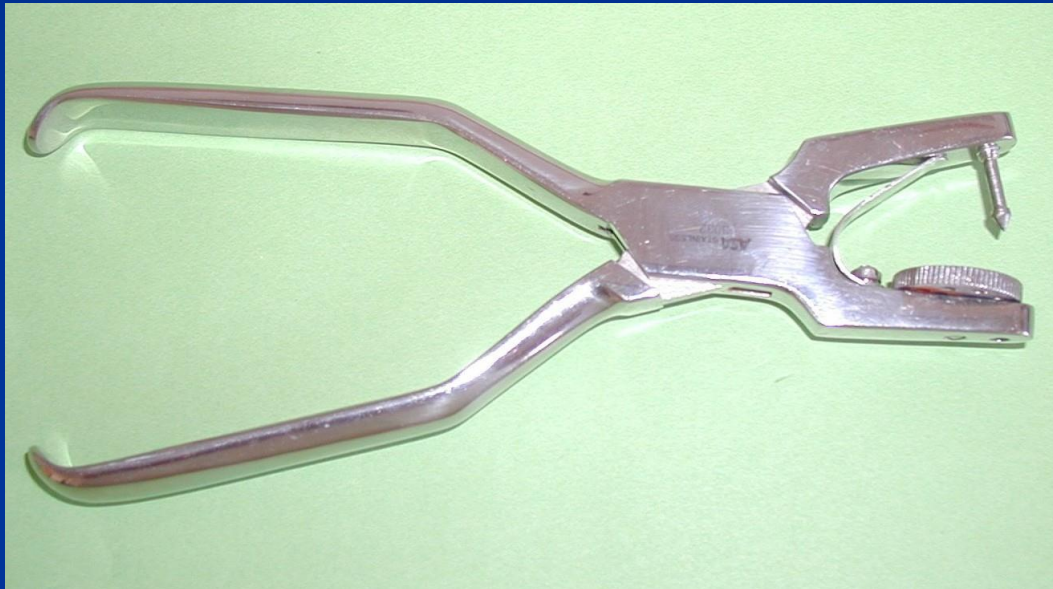
Rubber

Roll



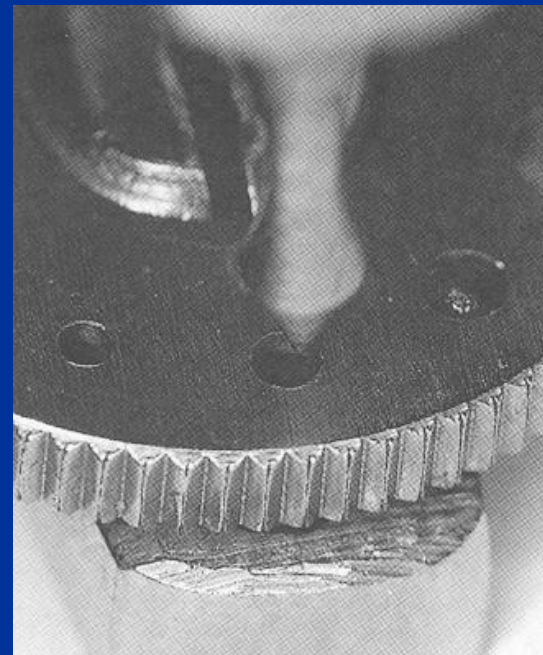
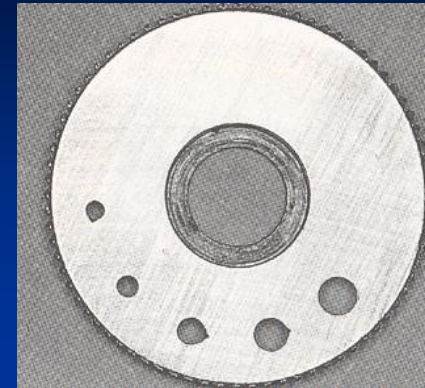
Square (blank)

Perforation

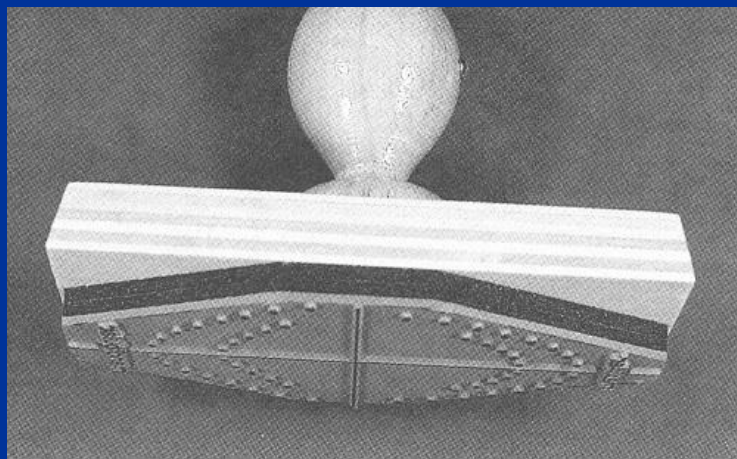
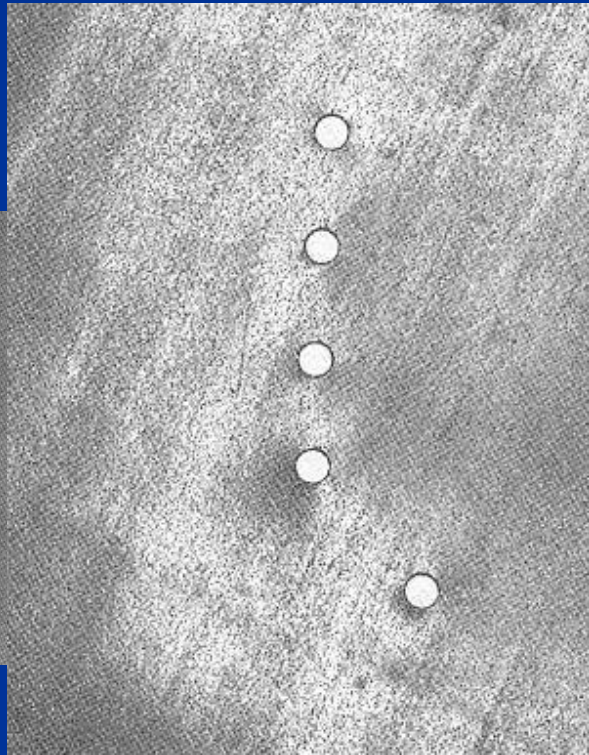
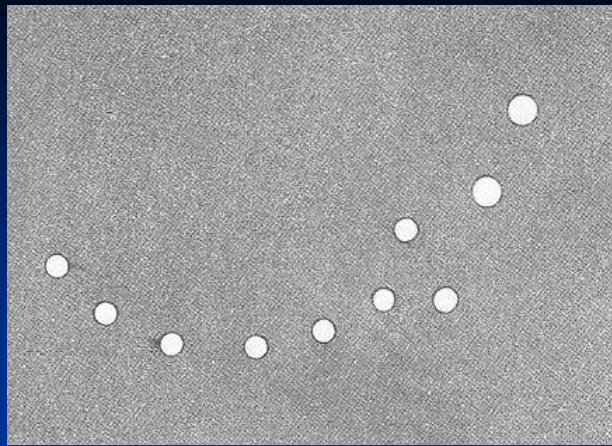


Round aperture





Perforation plate

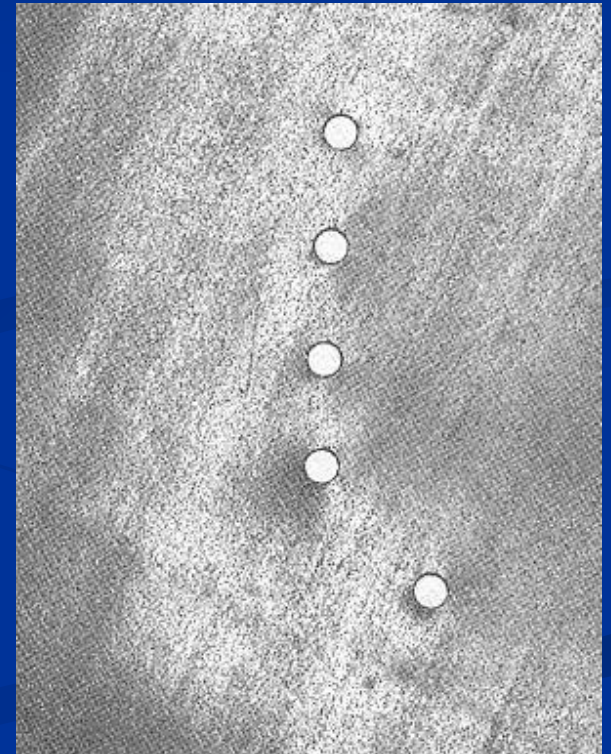


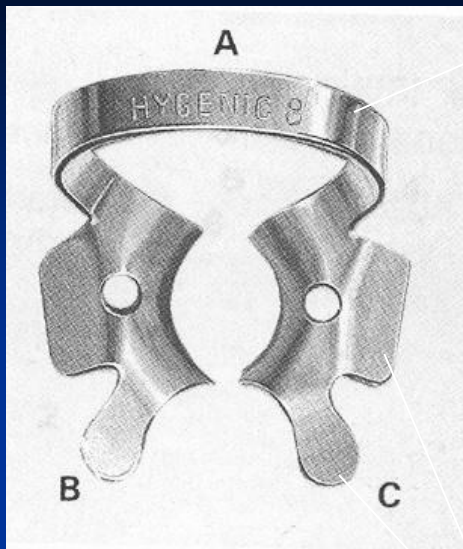
Jak velká bude perforace?

Podle velikosti zubu

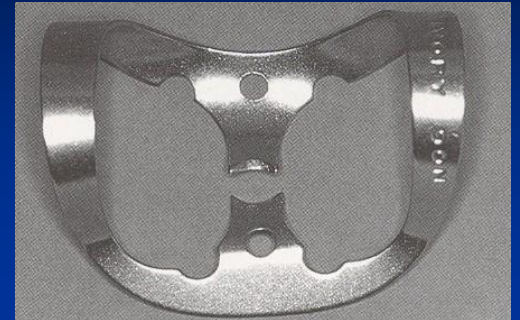
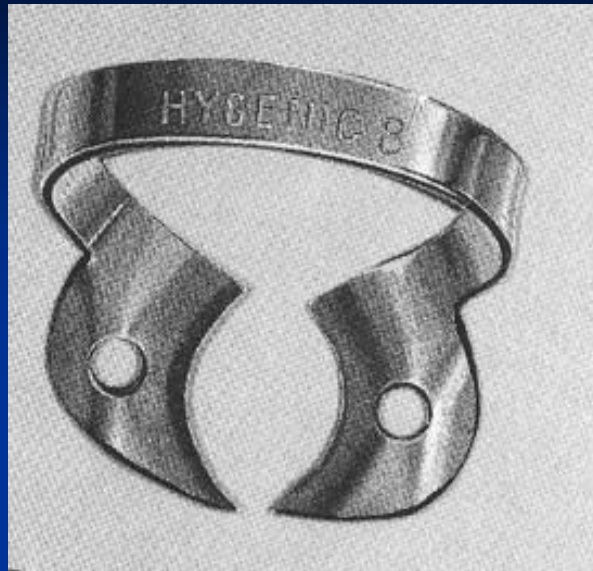
Podle síly a druhu blány

Podle způsobu nasazení kofferdamu



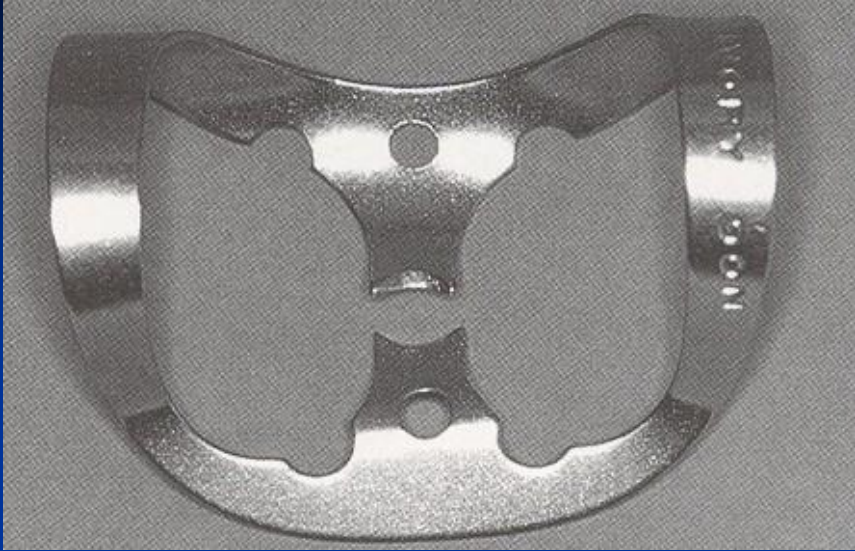


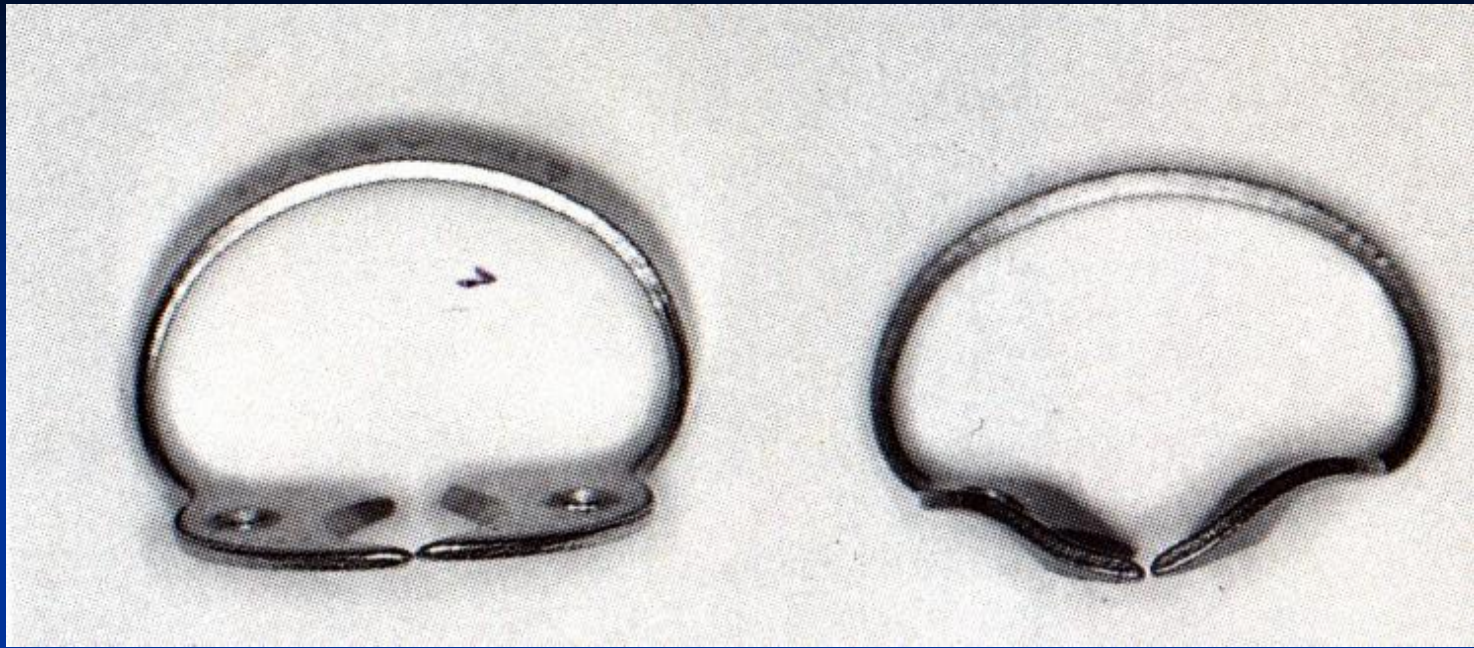
arch



wings



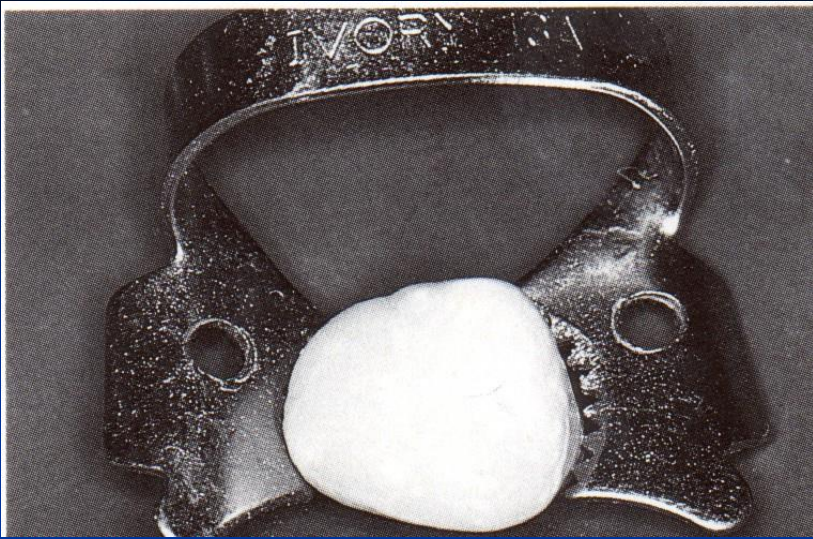




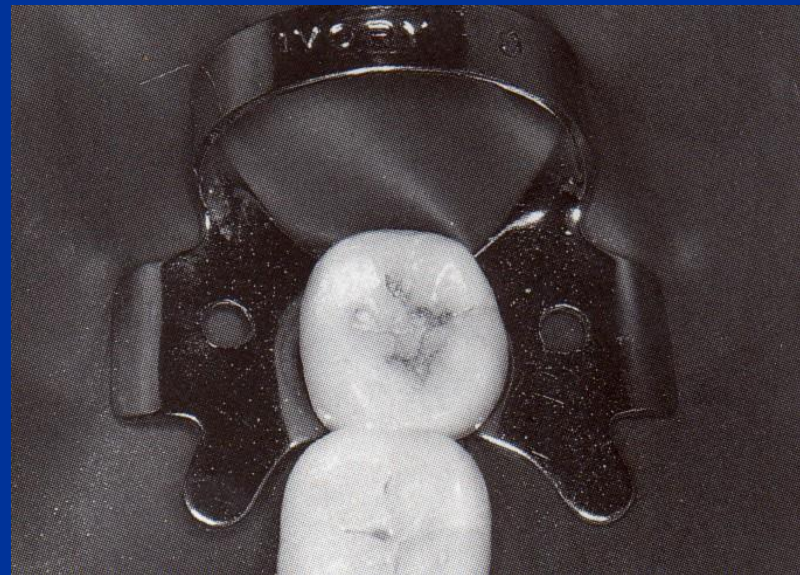
Clamps for retention

Clamps for retraction

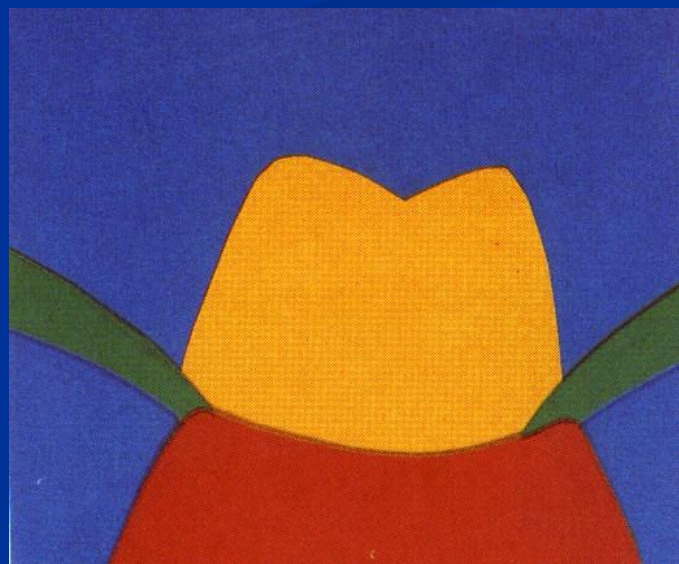
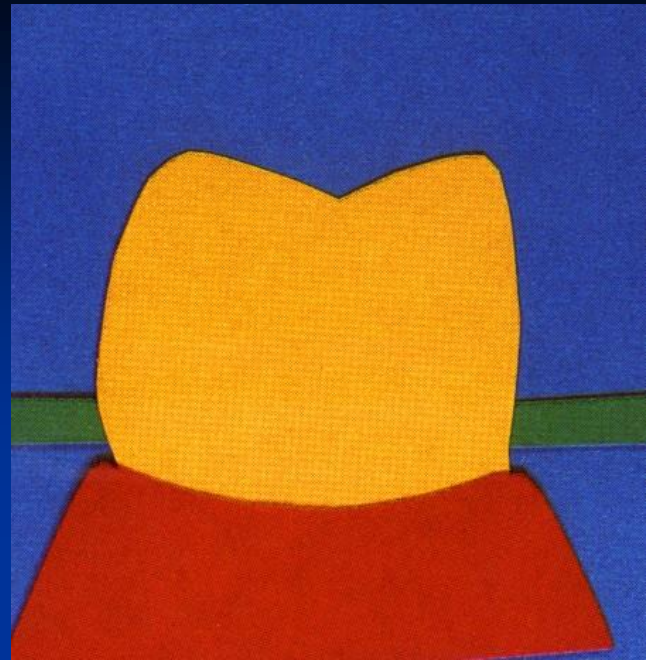
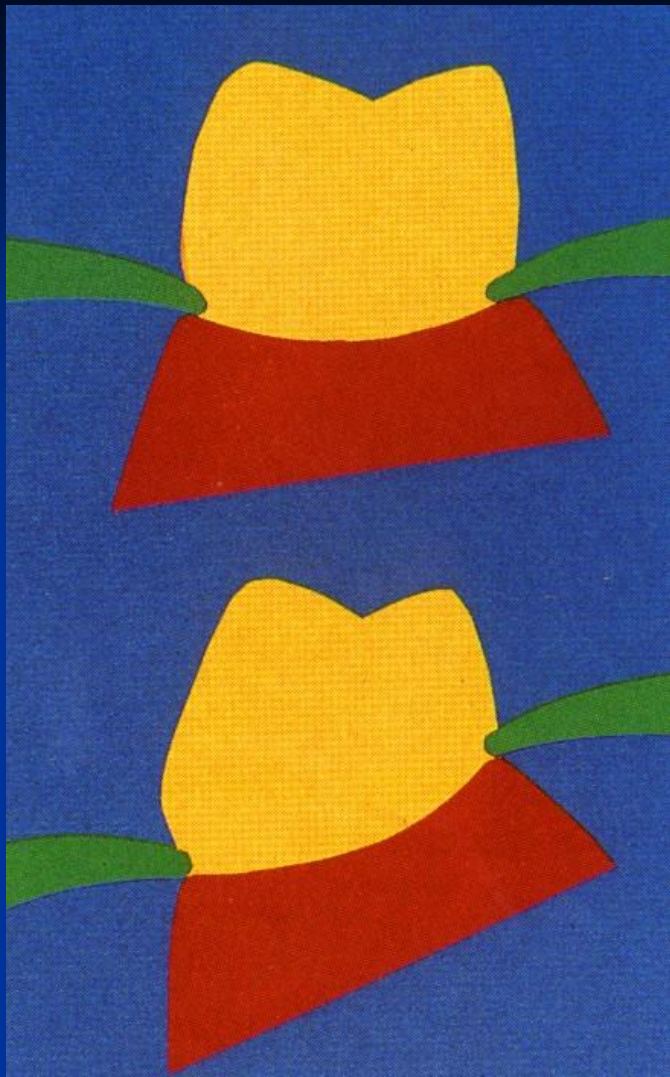


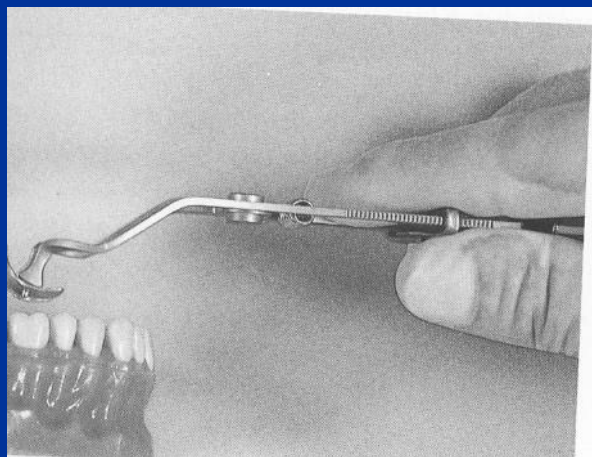
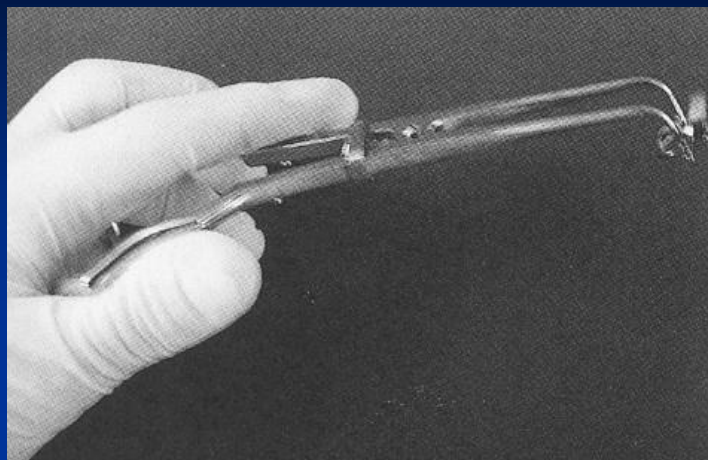


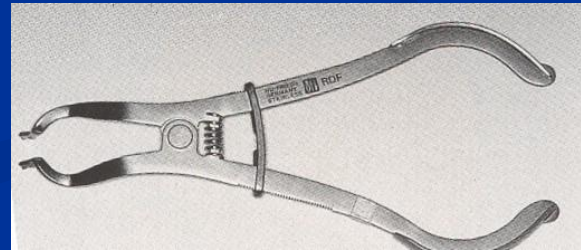
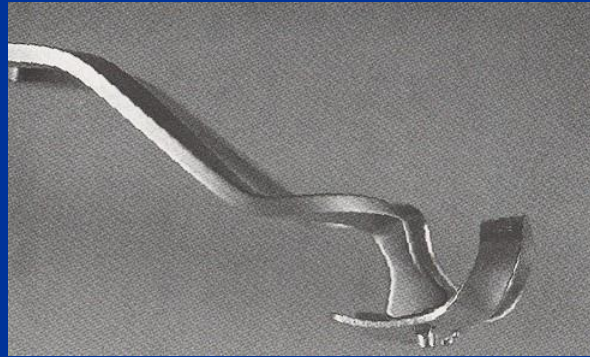
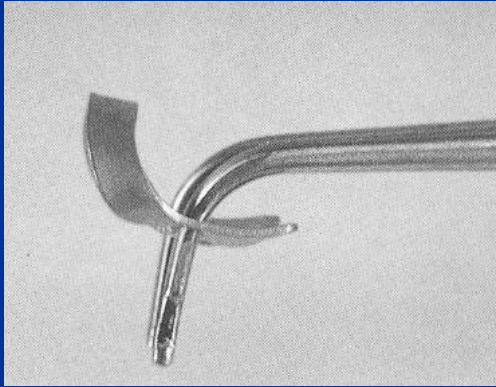
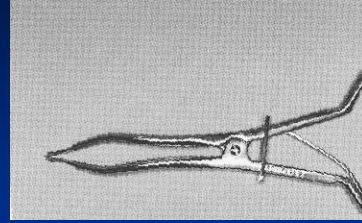
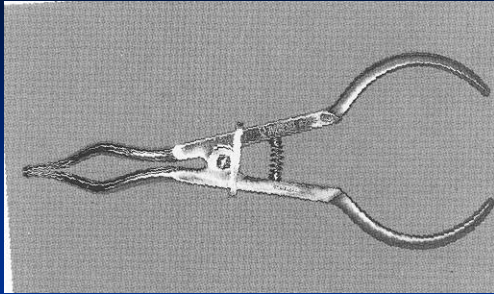
Contact – areal

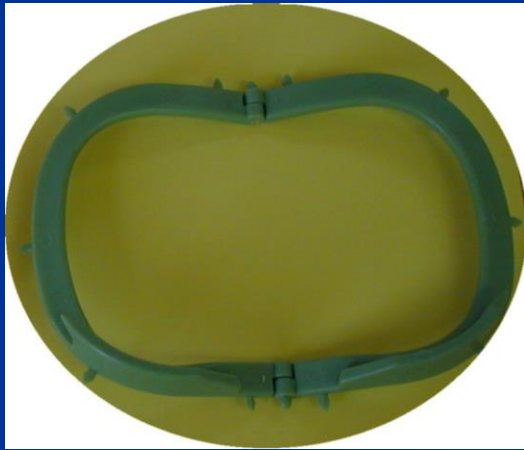


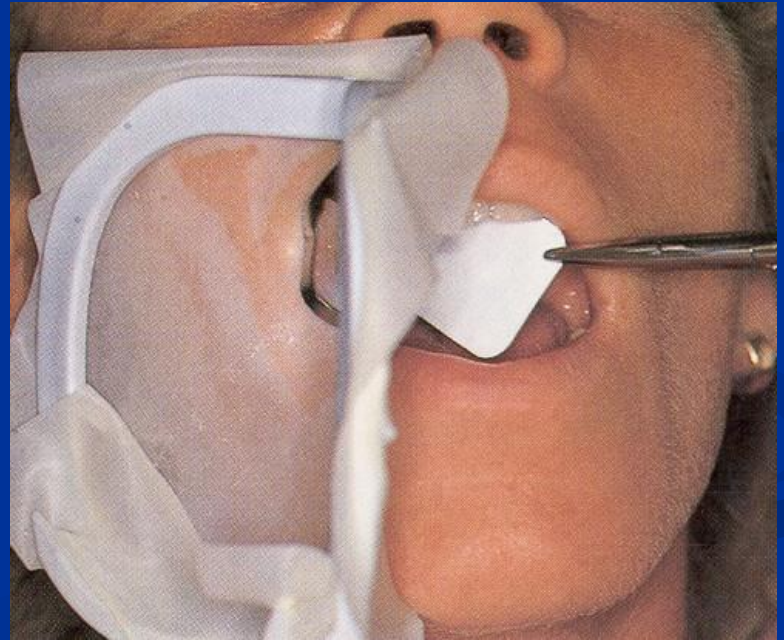
4 pointed







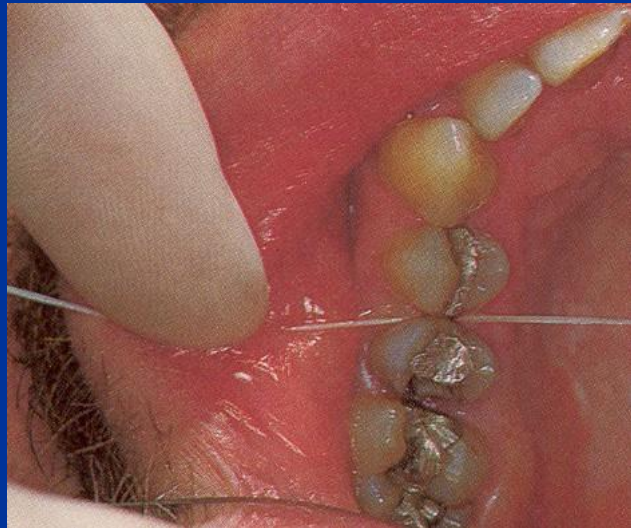


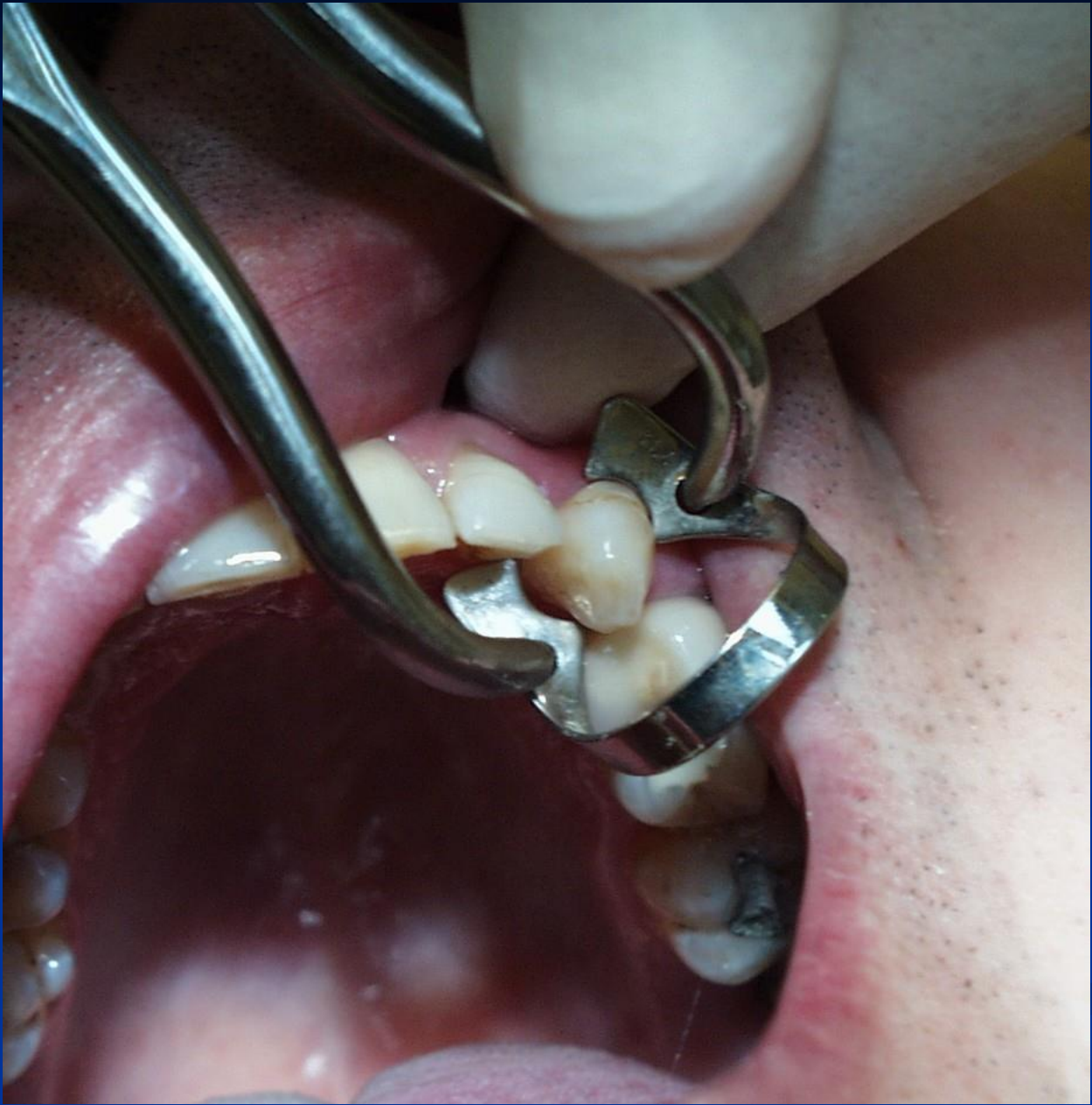










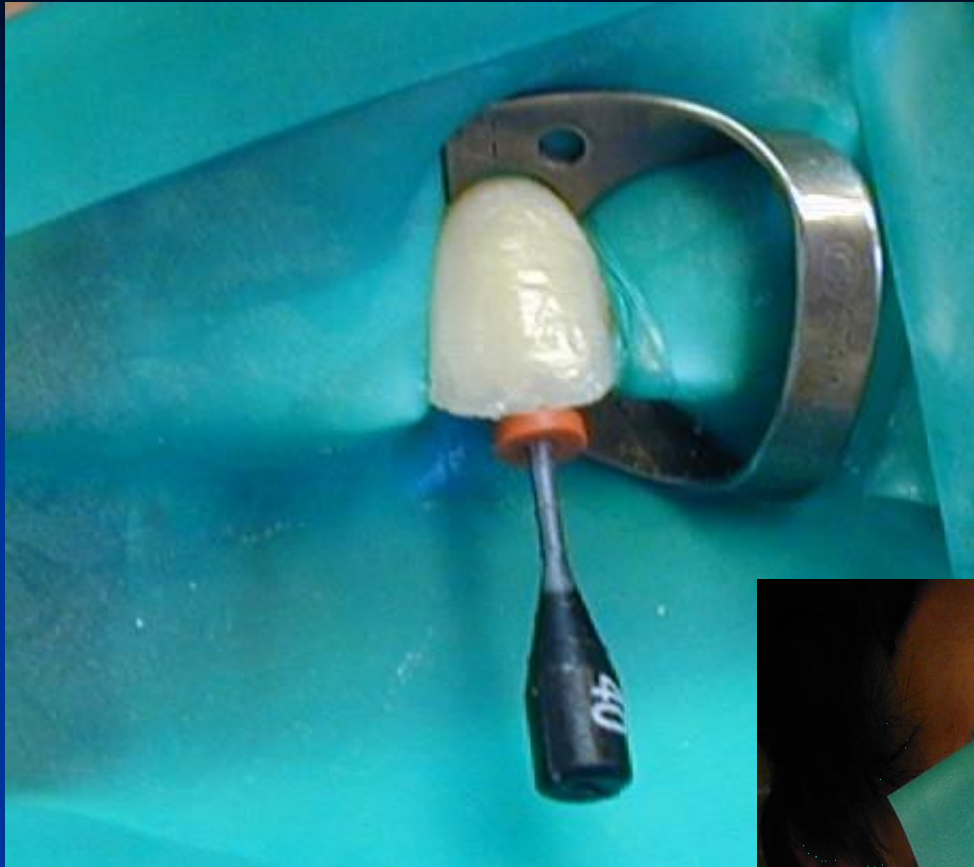


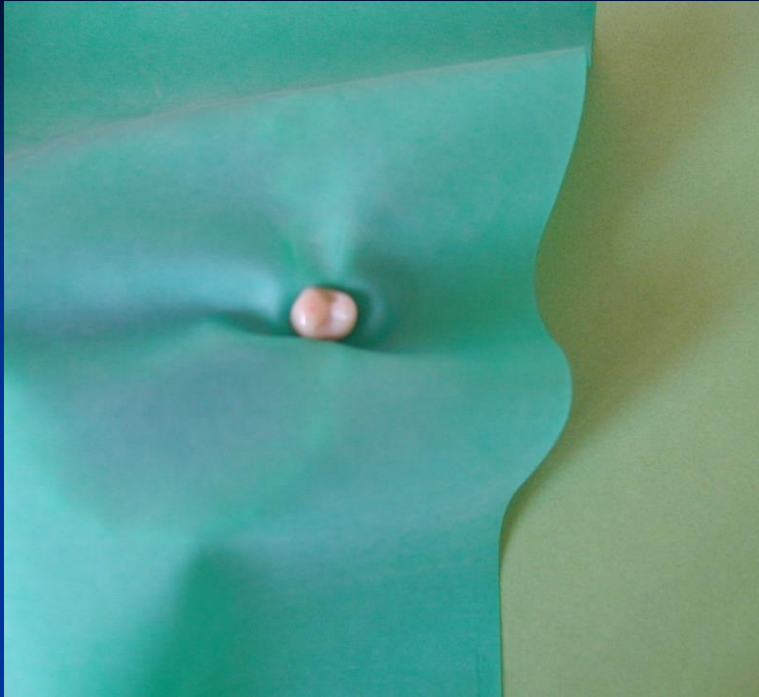






Kolik zubů izolovat ?







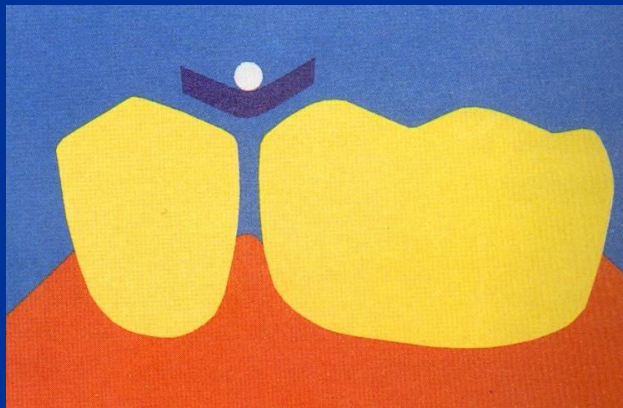
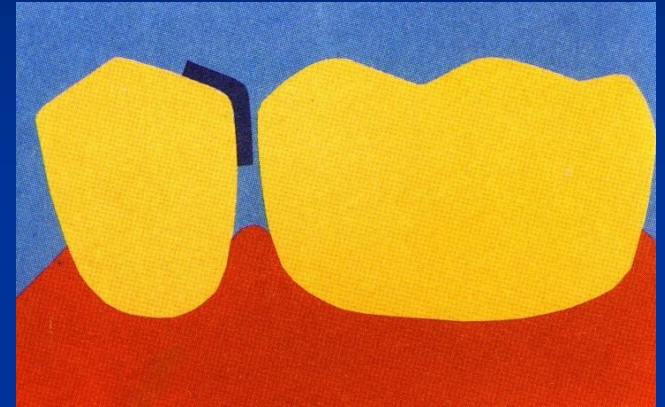
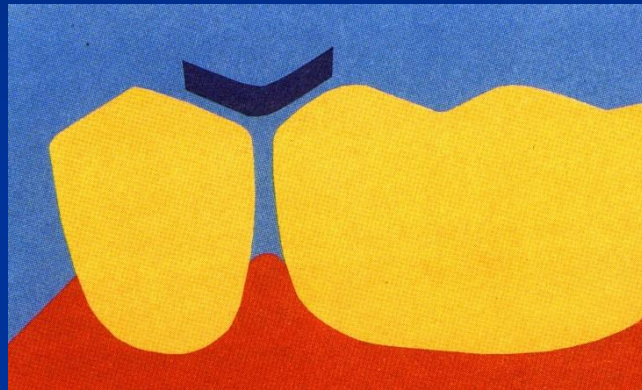
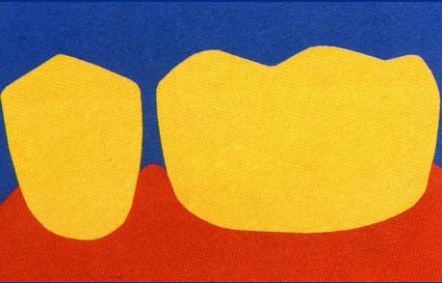
Způsoby nasazení

- Napřed blána, potom spona
- Napřed spona potom blána
- Přes oblouk spony
- Sekundové nasazení



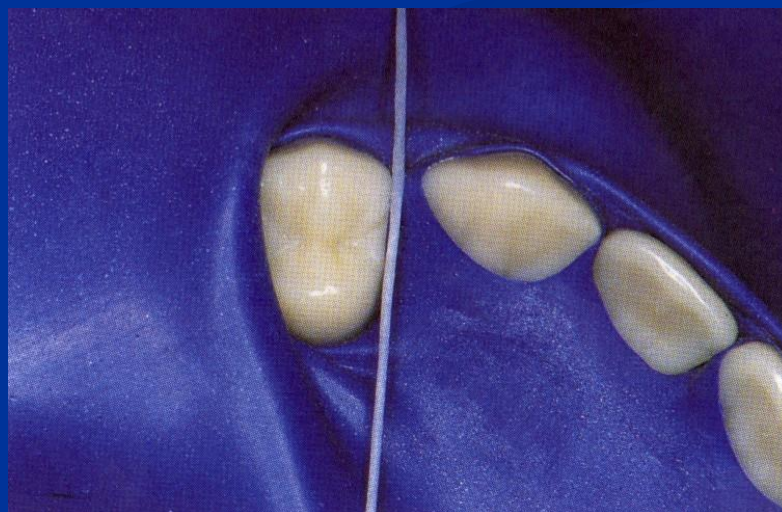


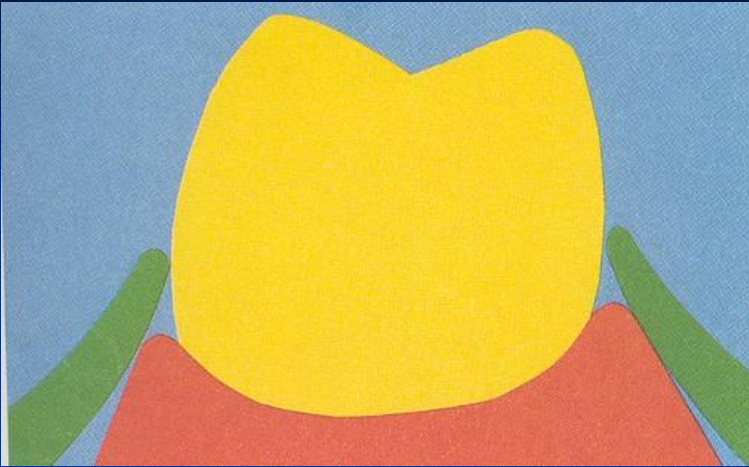
Interdental adaptation



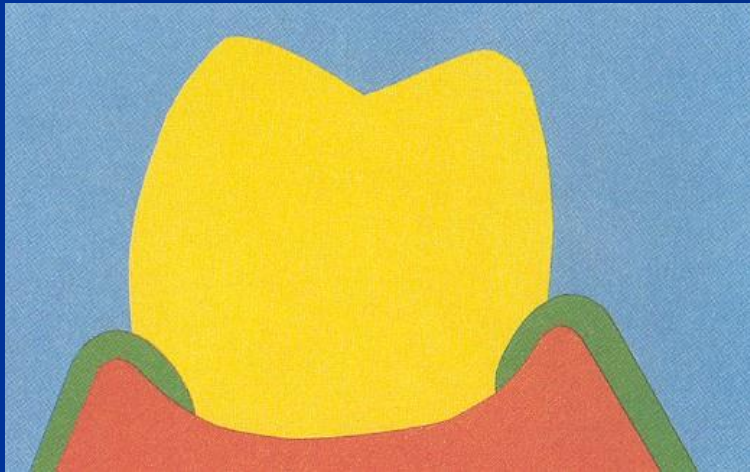


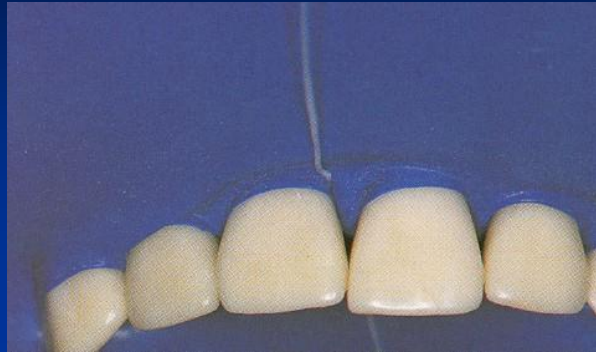
Interdentální adaptace

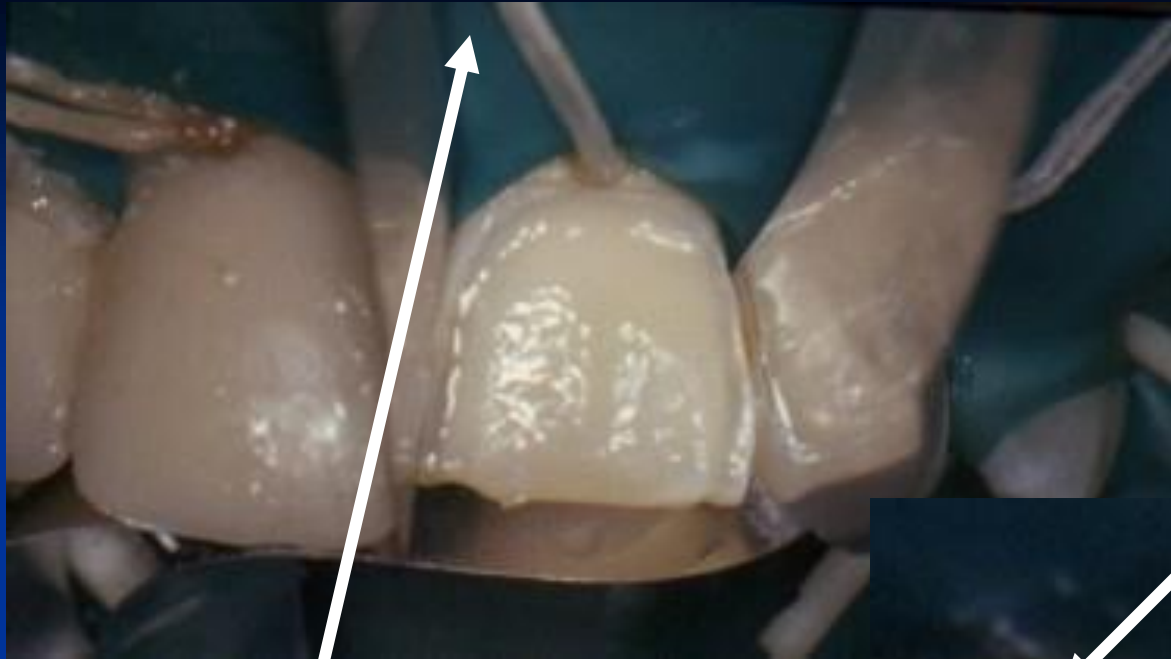




inversion



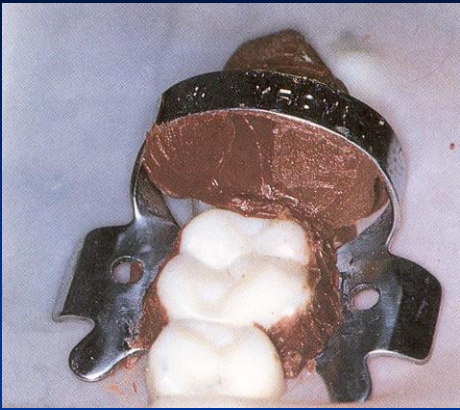


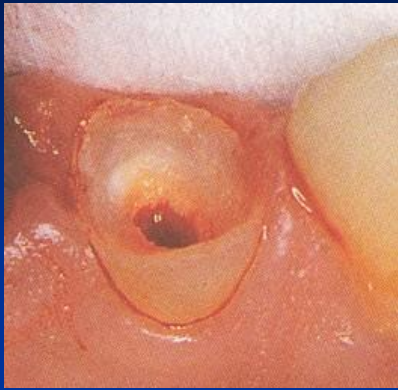


Ligatures

Latex rollers







Lubrikation



Napkin

