

Isolation of the operating field

Dry field in oral environment?

- Access
- View
- Setting of materials

What does complicate the treatment?

- Saliva
- Cooling water spray
- Blood

Dry field management

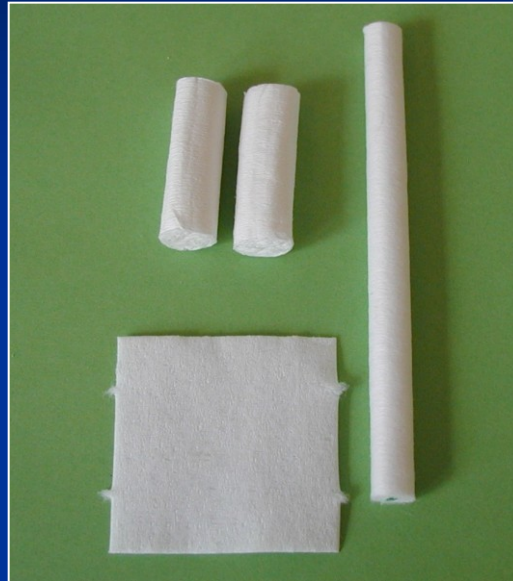
Relative dry field

Absolute dry field

Relatively dry field

Cotton rollers

Cotton squares



Cotton cups



Relative dry operating 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)

Absolutely dry operating field

Rubber dam (kofferdam)

A membrane which isolates the operation field from oral environment.



Sheet

Frame

Rubber

Punch forcep



Clamp

Components

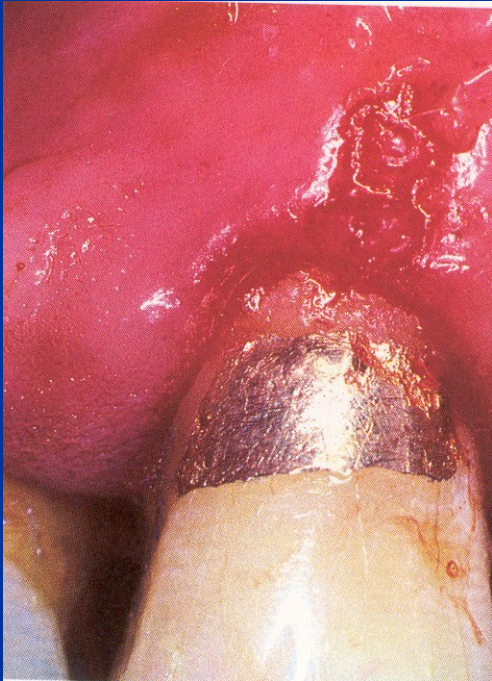
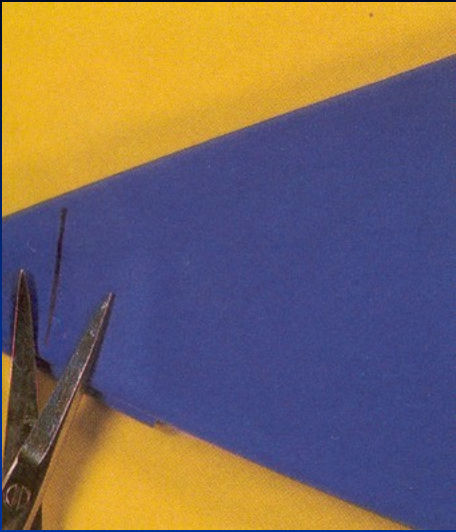
Clamp forceps

Benefits

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

RISKS

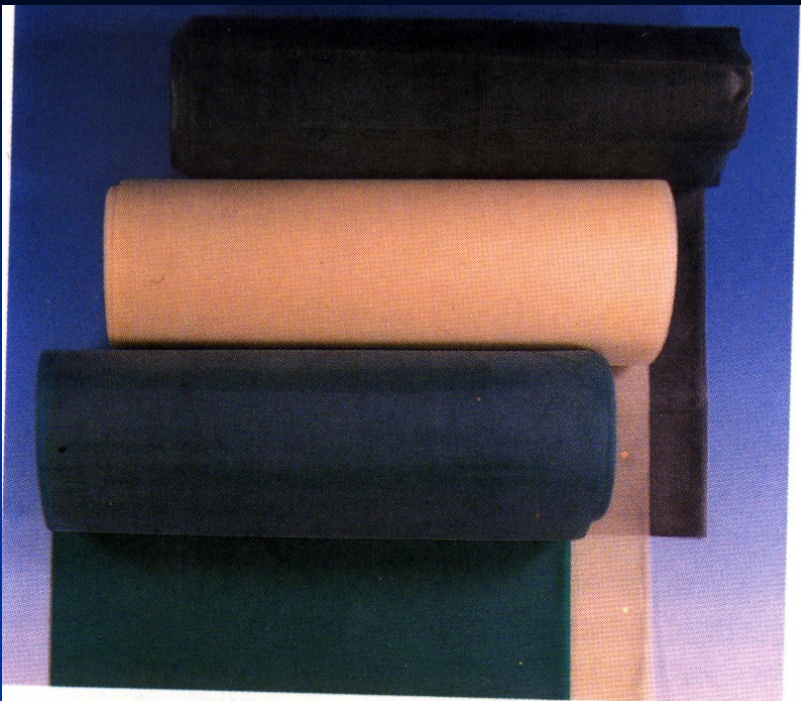
- Limitation of oral breathing
- Fear
- Latex allergy
- Aspiration or gulp of the clamp
- Damage of hard and soft tissues





Contact allergy

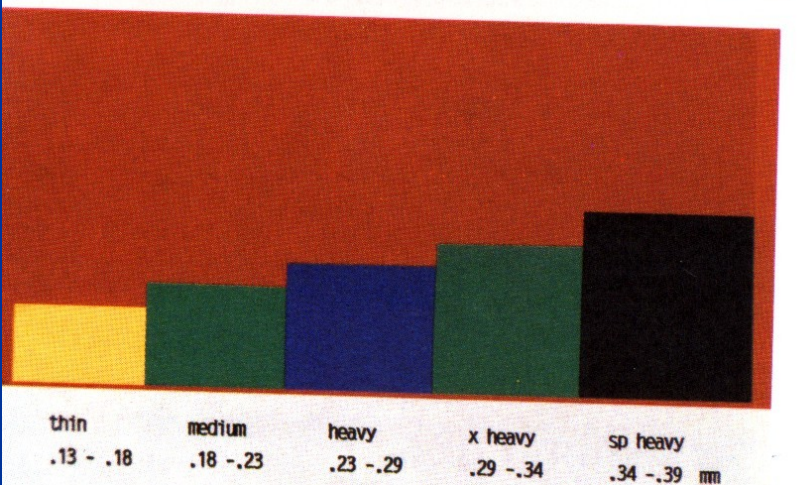




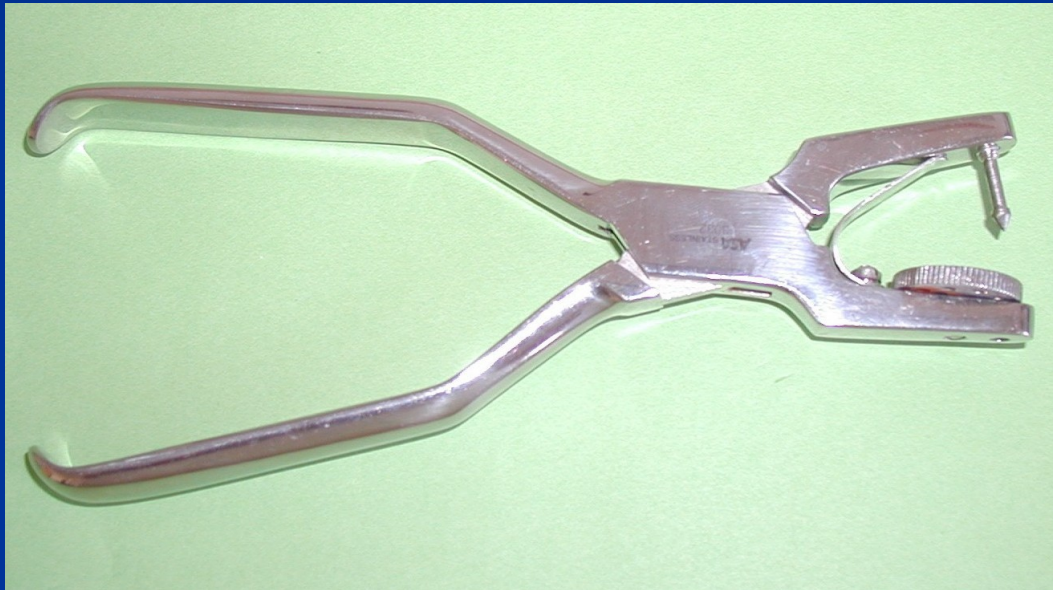
Rubber

Roll

Square (blank)

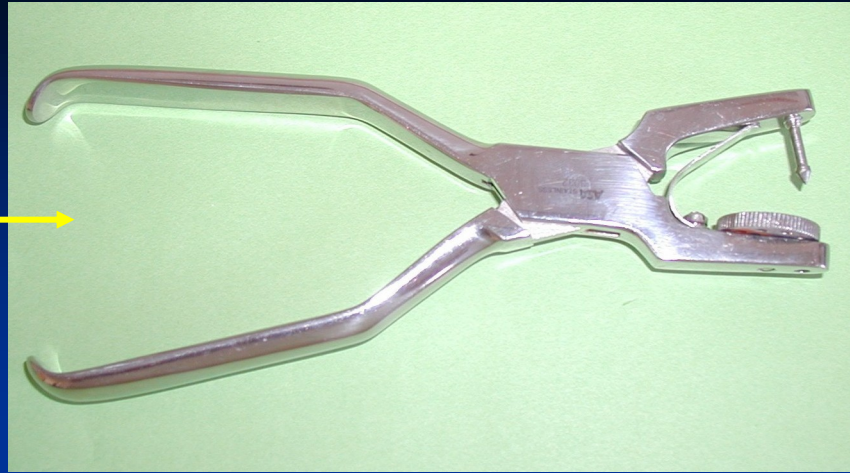


Perforation

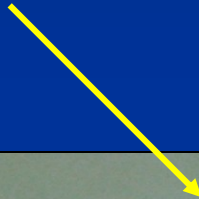


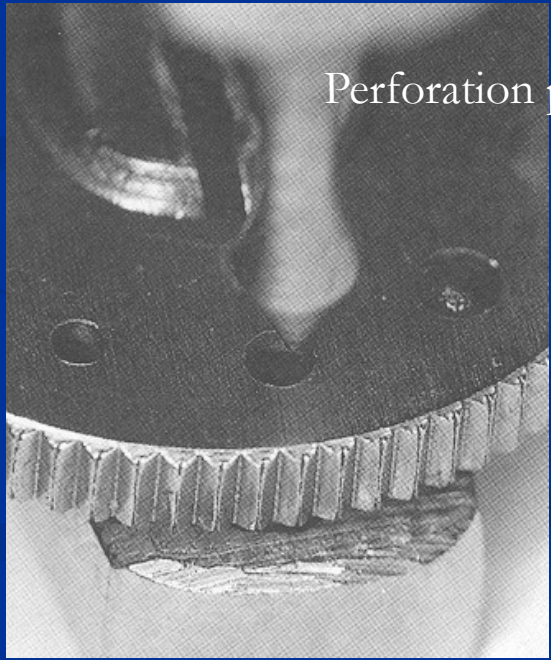
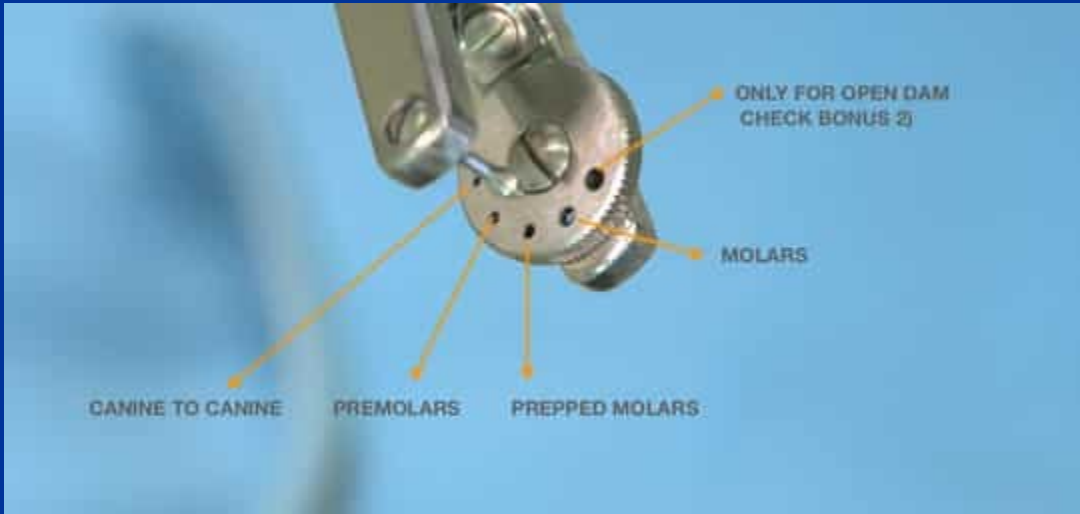
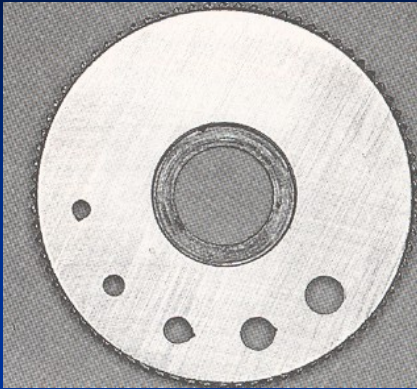
Round aperture

Ainsworth



Ivory





Perforation plate

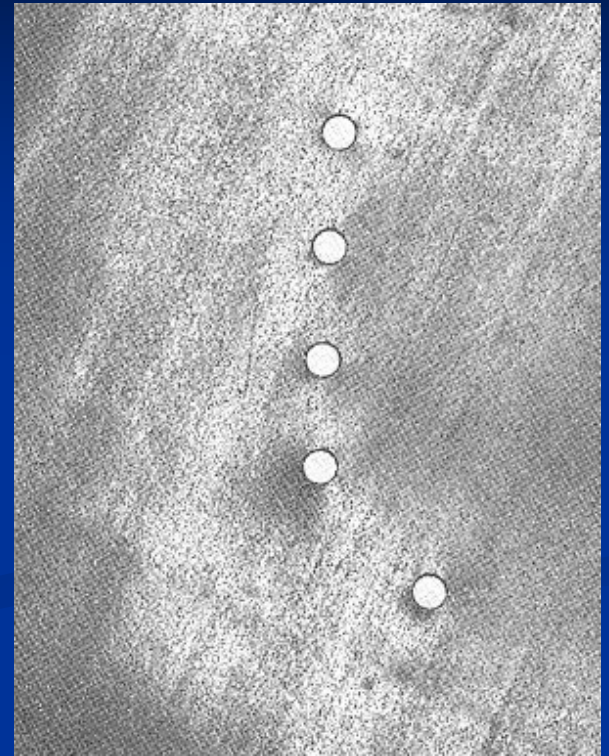
How big will the perforation be?

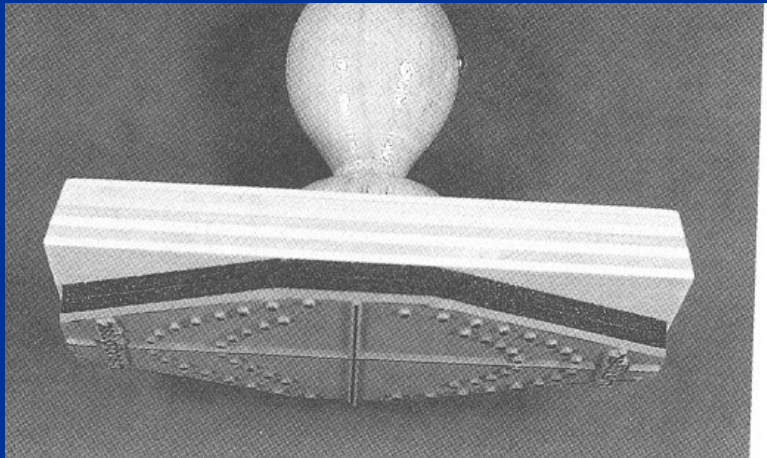
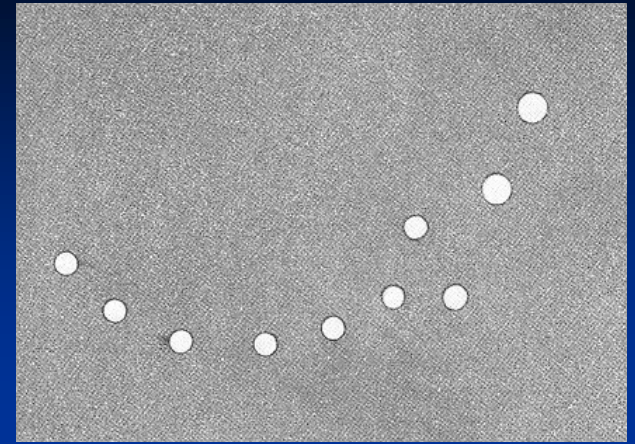
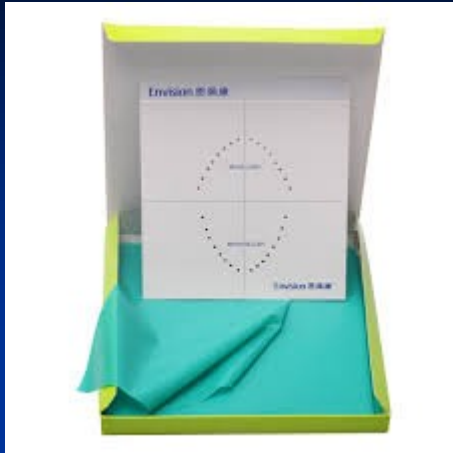
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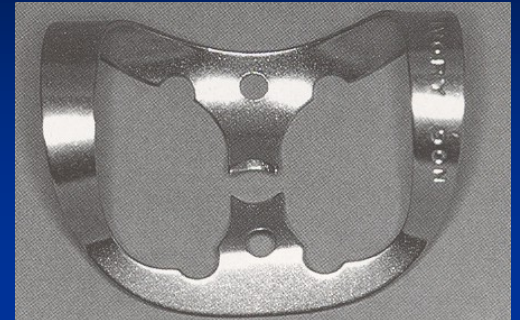
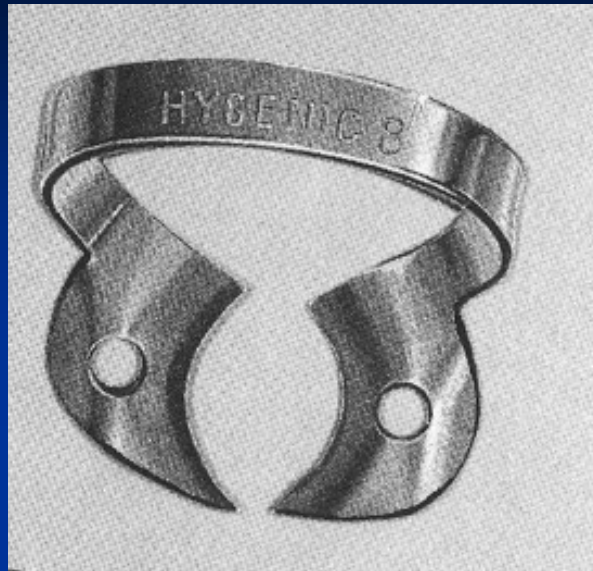
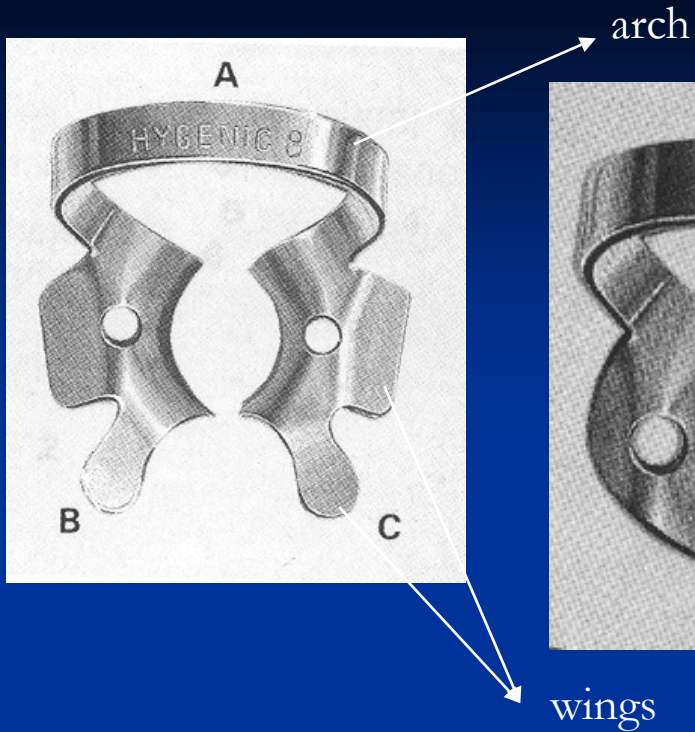
Size of the tooth

Thickness and kind of the rubber dam

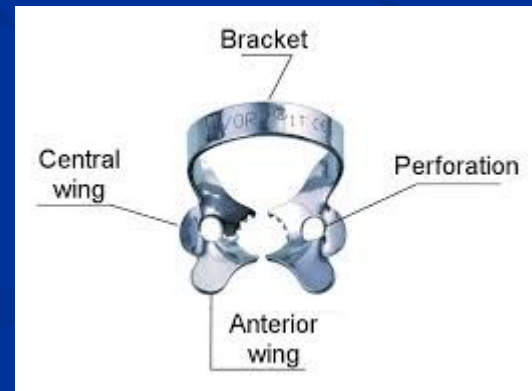
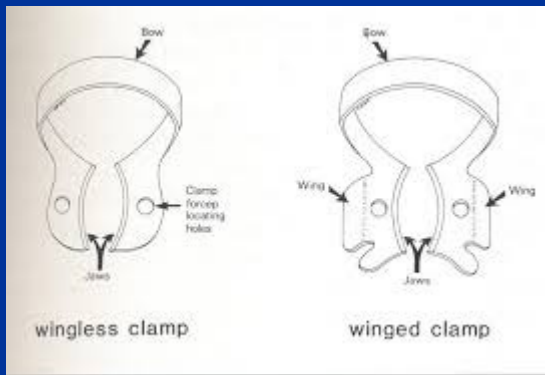
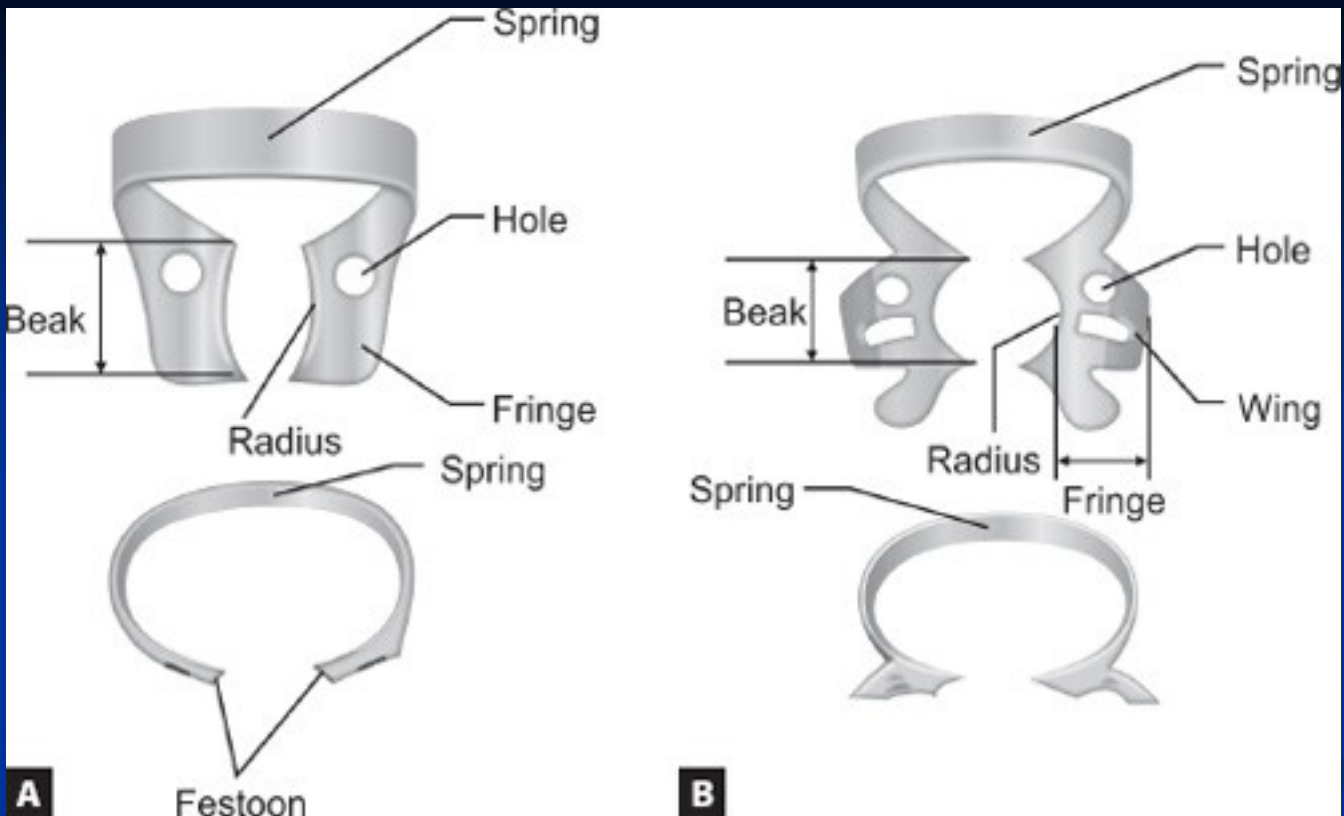
Mode of application







Arch, wings,



FIESTA® Color Coded Matte Finish Winged and Wingless Clamps

ANTERIOR



PREMOLAR



Large bicuspid

Bicuspid

SERRATED JAWS

Serrations for improved retention



Lower right molars/
Upper left molars

Lower left molars/
Upper right molars

MOLAR



Small lower

Lower

Lower



Upper

Small upper

Upper and lower

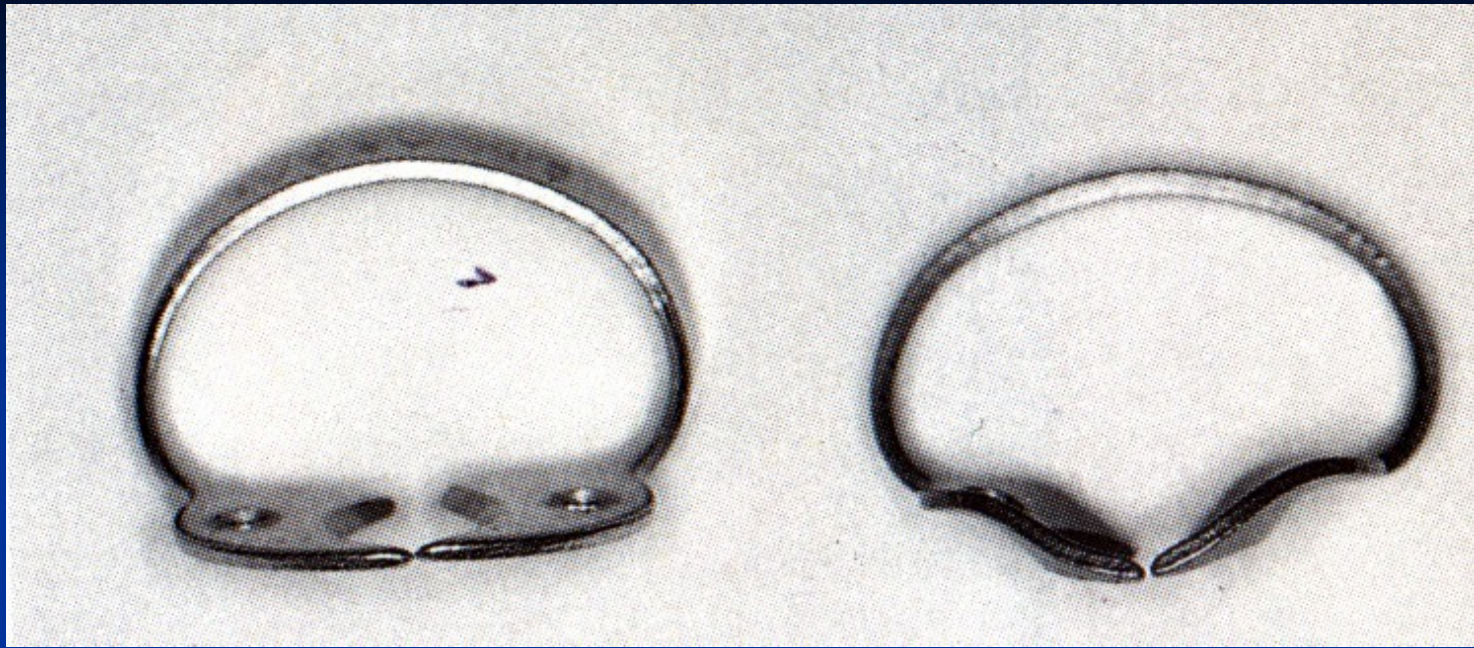
MOLAR - SPECIAL USE

For irregularly shaped, structurally compromised or partially erupted molars



Small

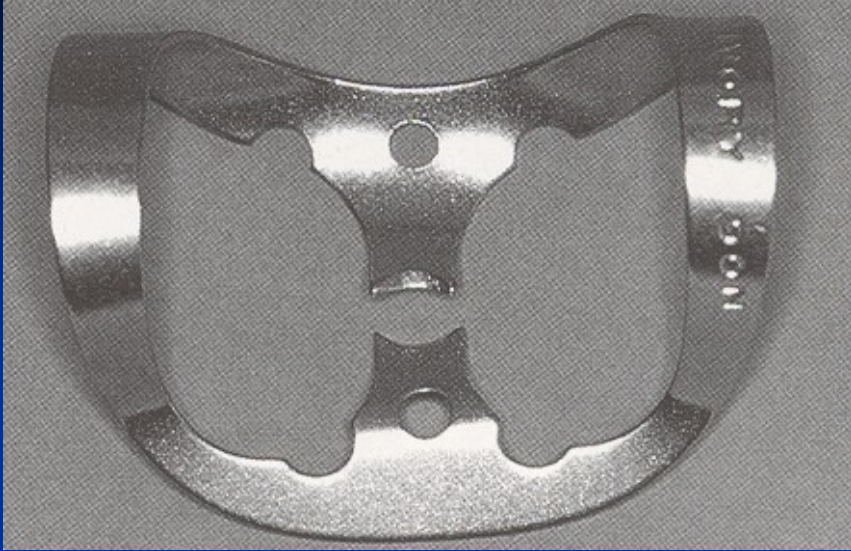
Large

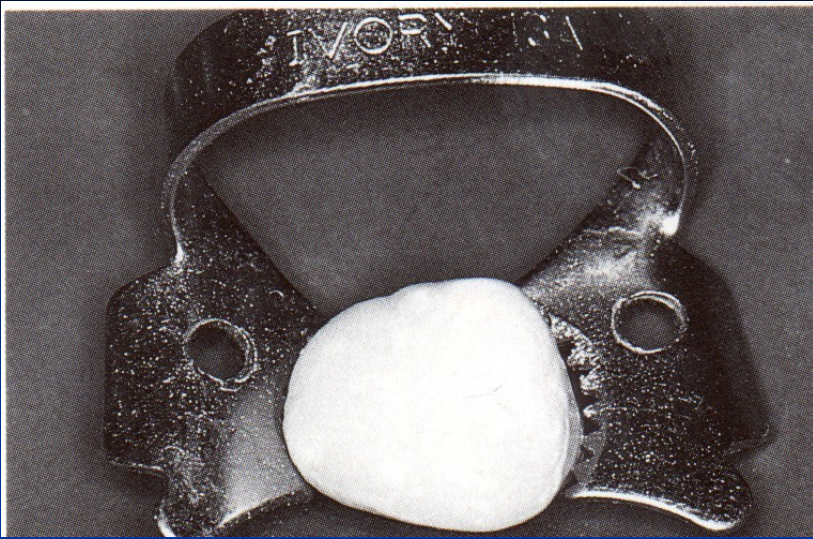


Clamps for retention

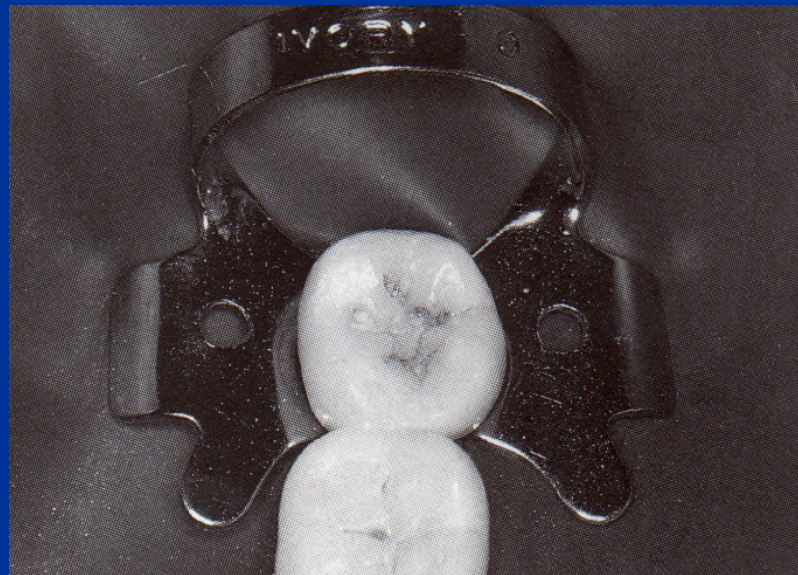
Clamps for retraction



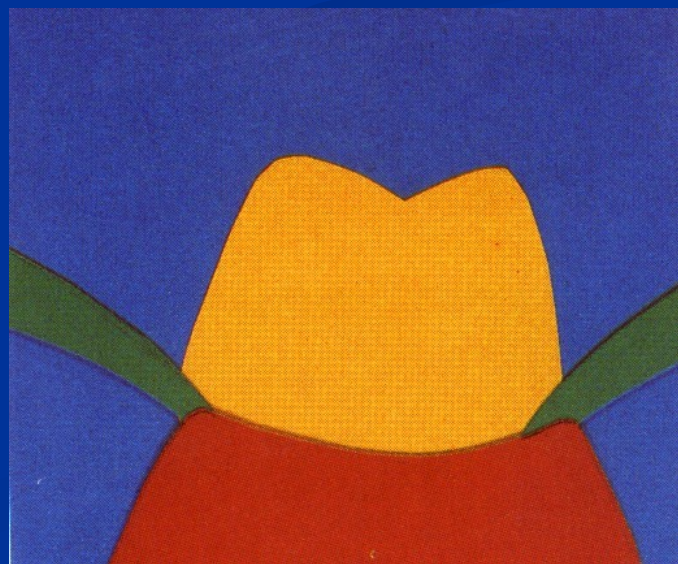
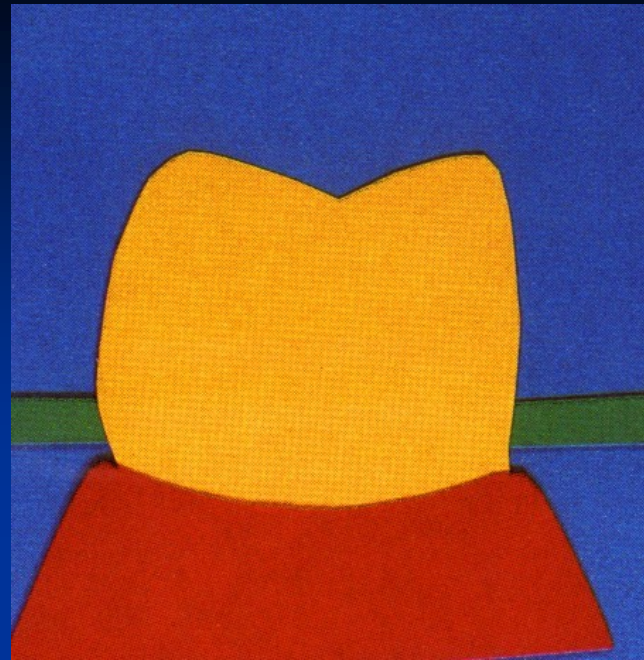
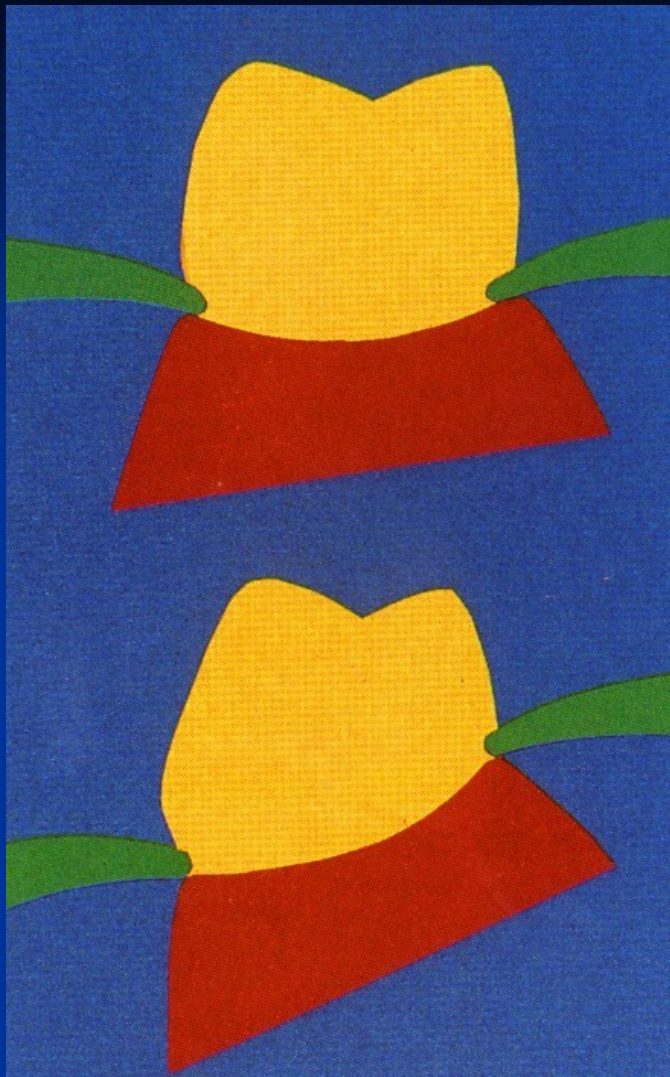


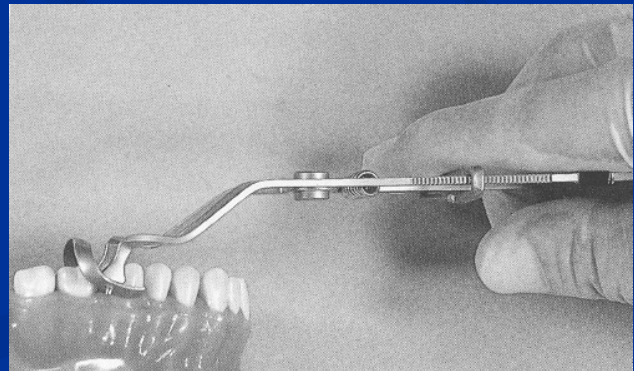
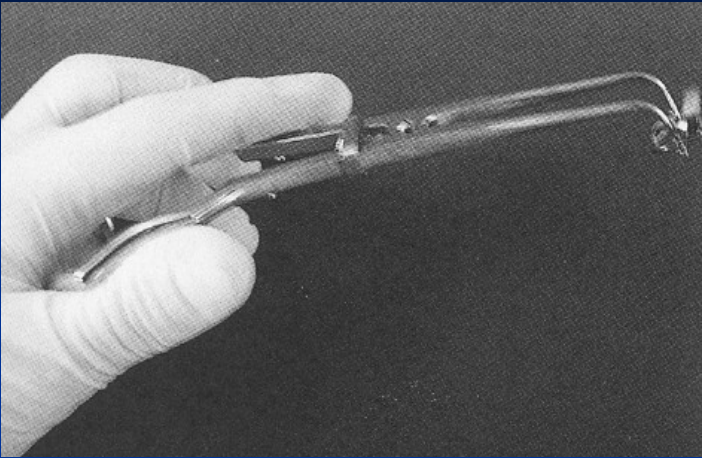


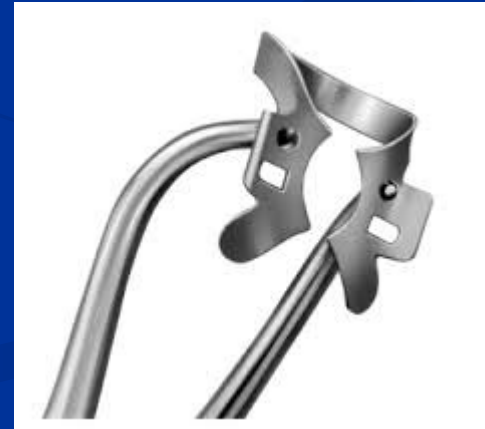
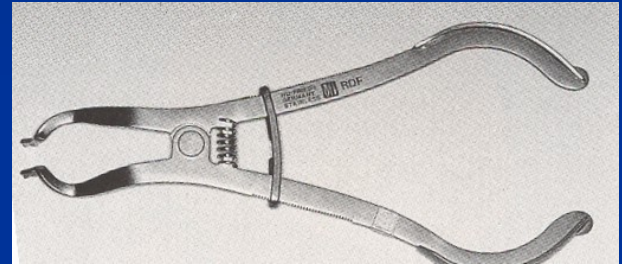
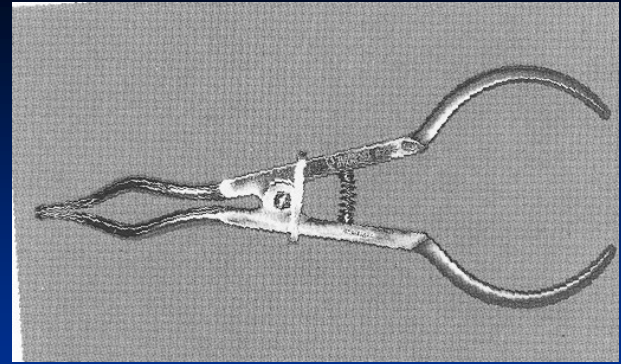
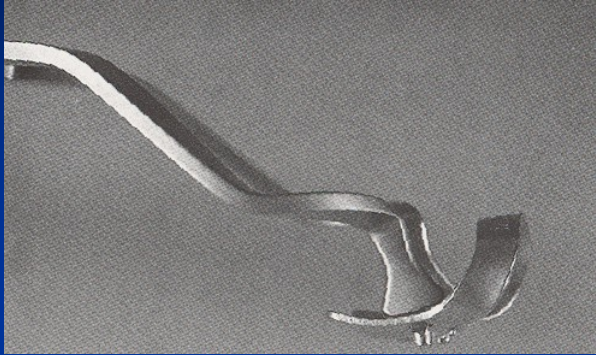
Contact – areal



4 pointed

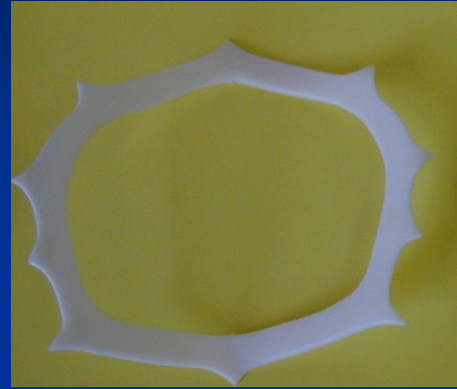
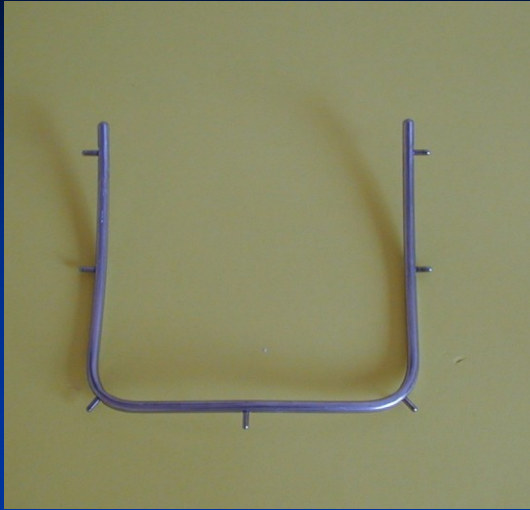


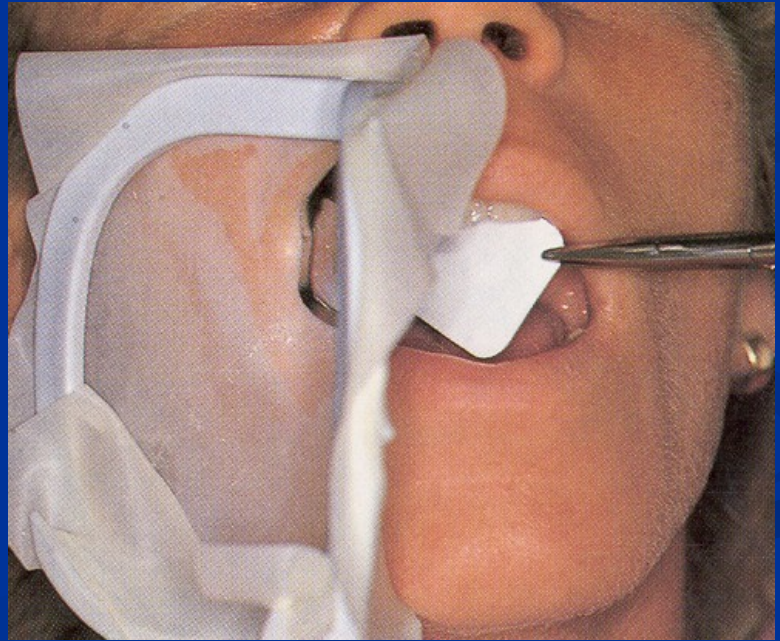


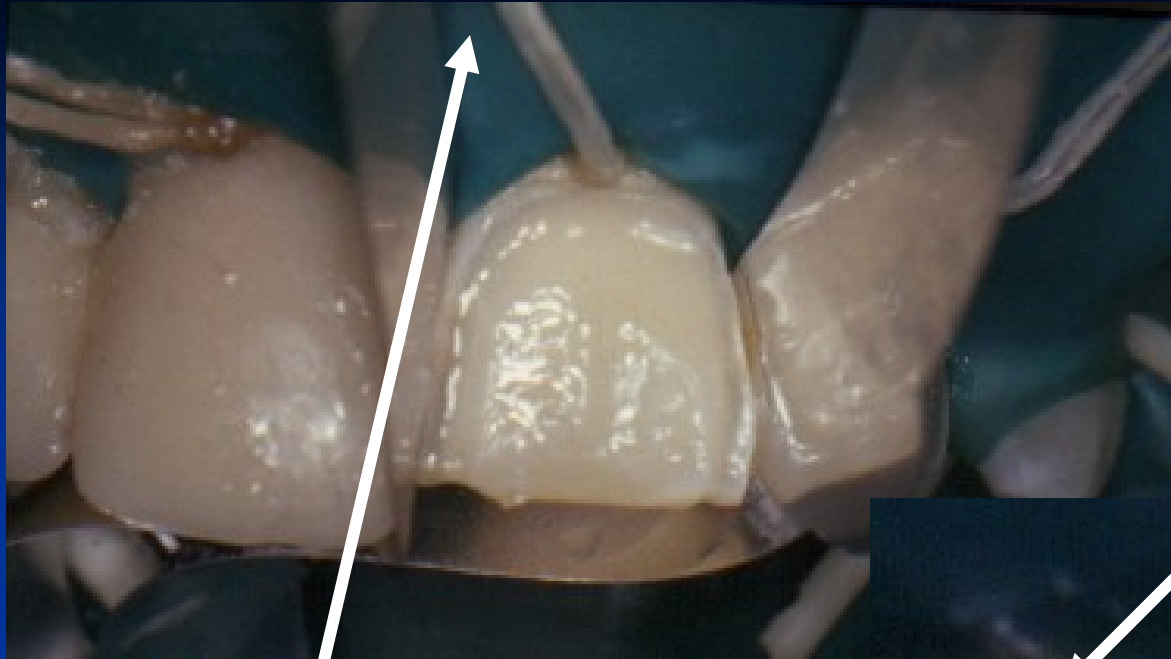


Rubber dam frame









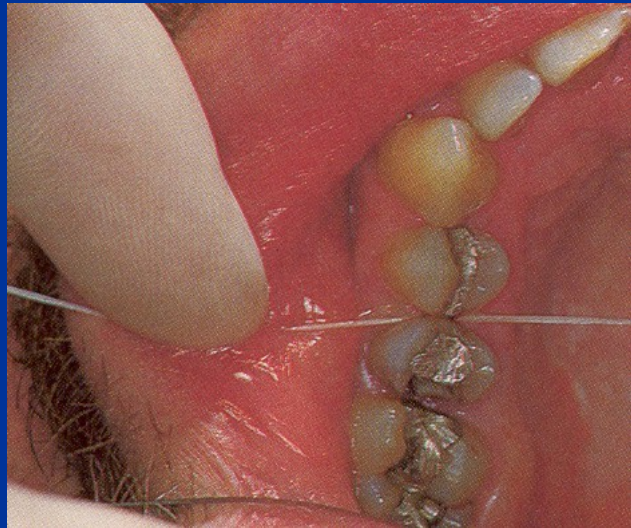
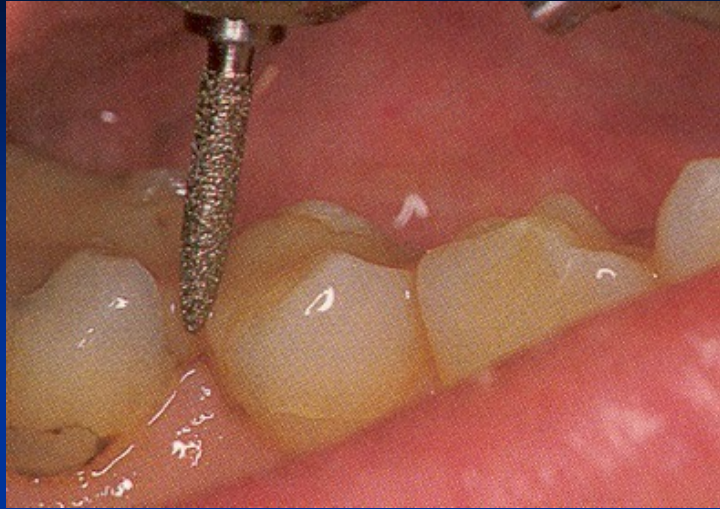
**Latex rollers -
wedjets**

Ligaturs



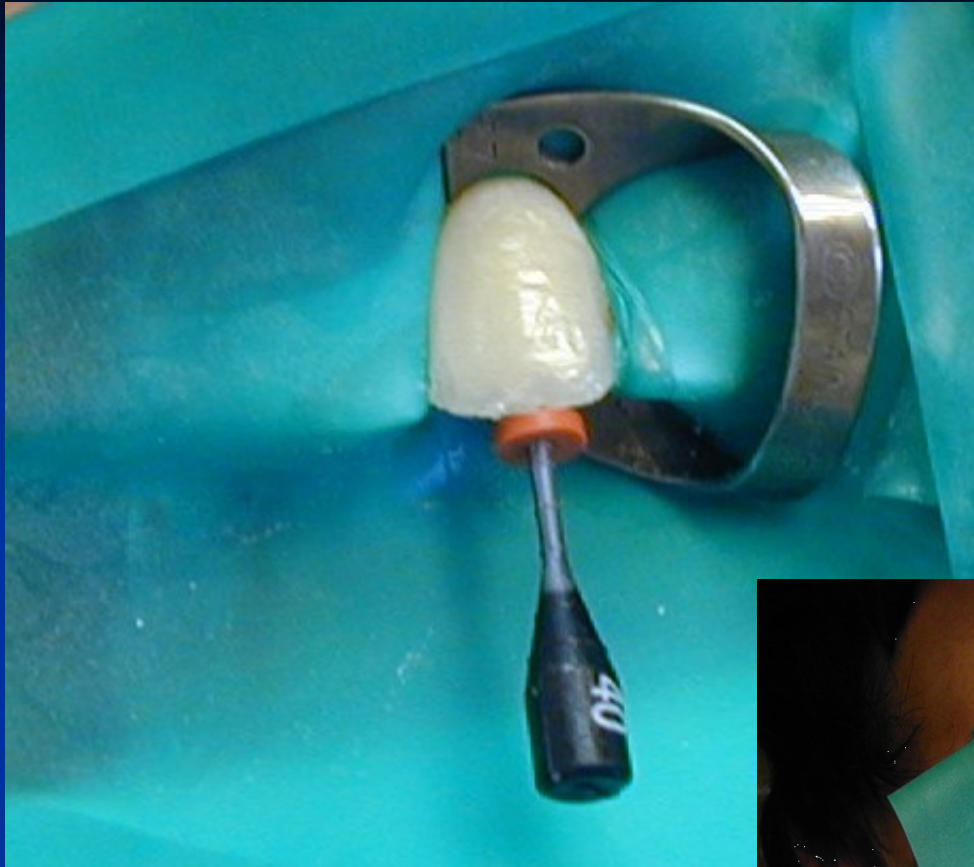








How many teeth
should be isolated?



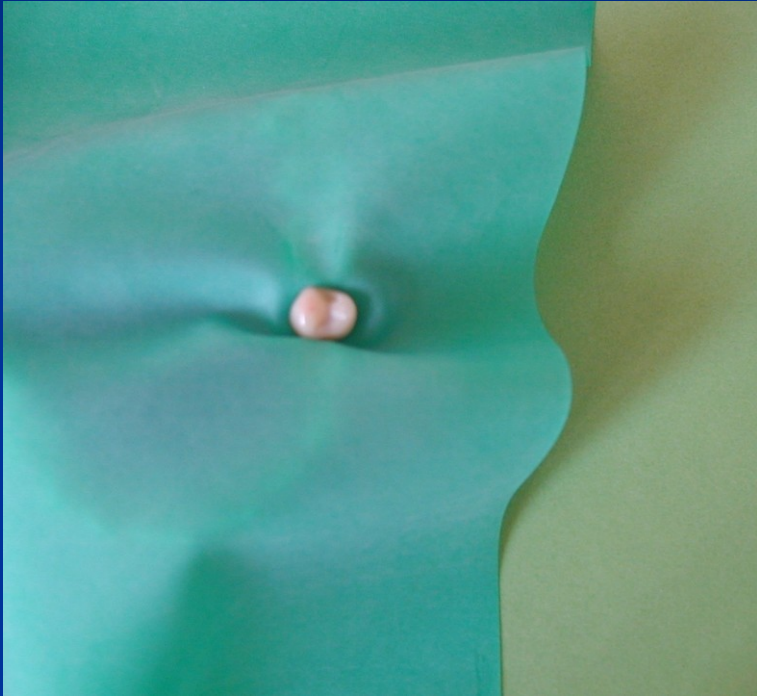




Mode of application

- Rubber first
- Clamp first
- Clamp and rubber dam together
- Application in seconds

Rubber first



Clamp first



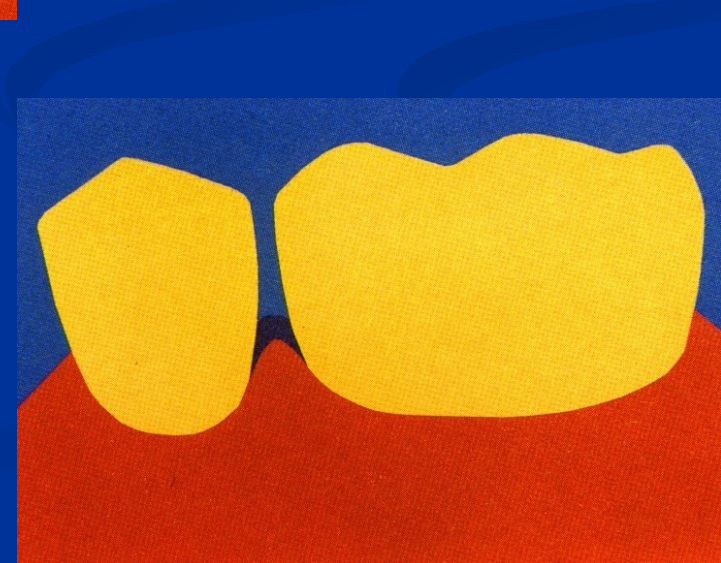
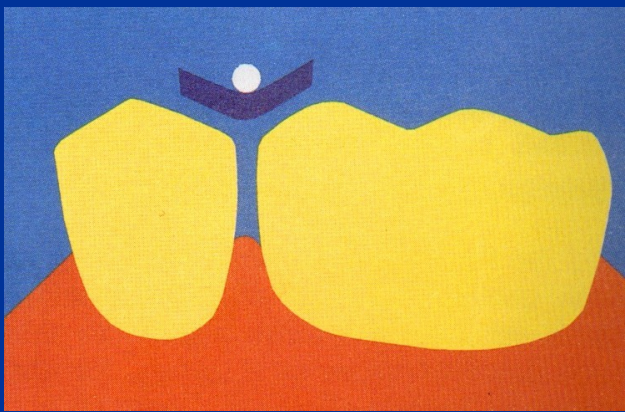
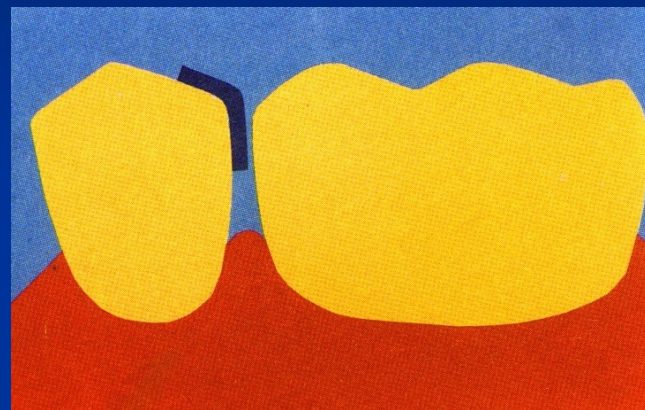
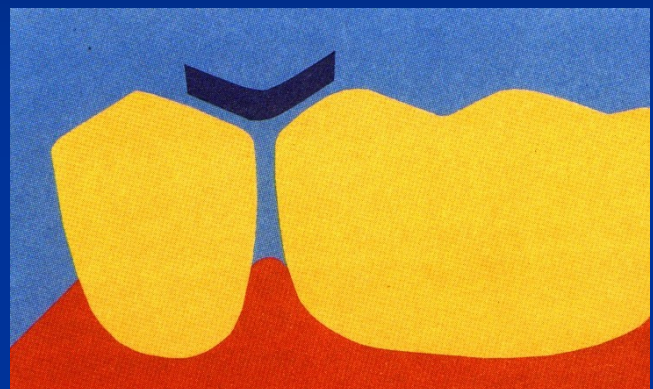
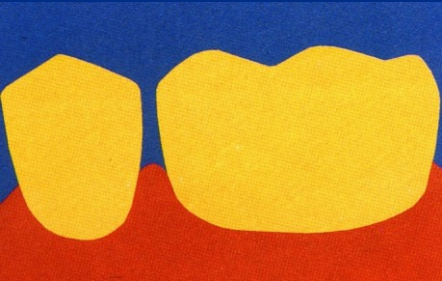
Rubber and clamp together

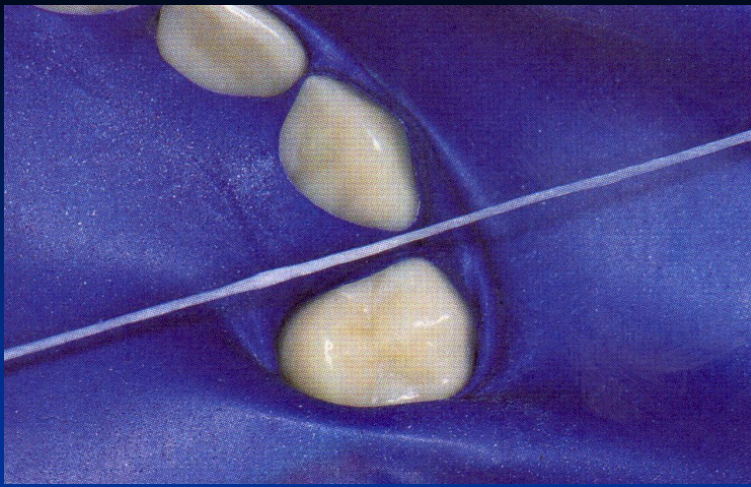


**Rubber, clamp and frame
together – application in seconds**

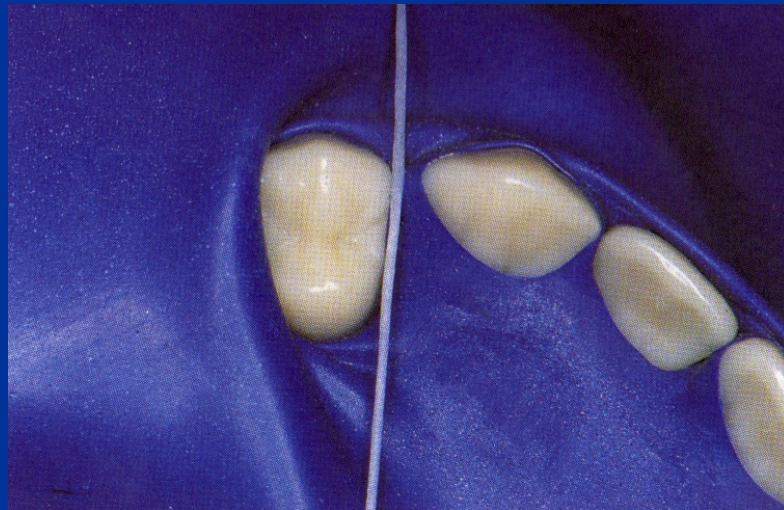


Interdental adaptation

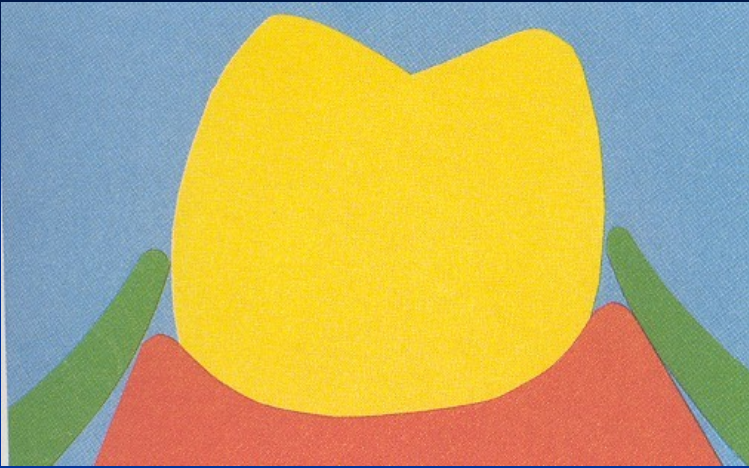




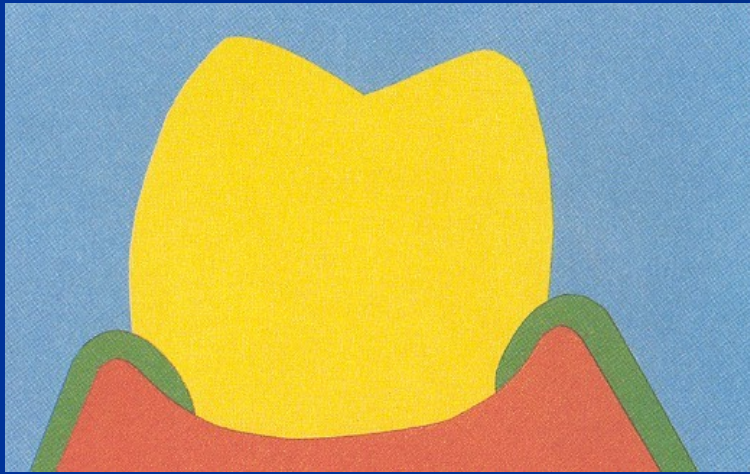
Interdentál adaptation

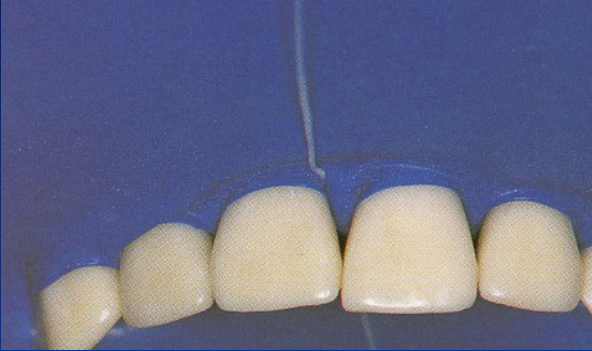


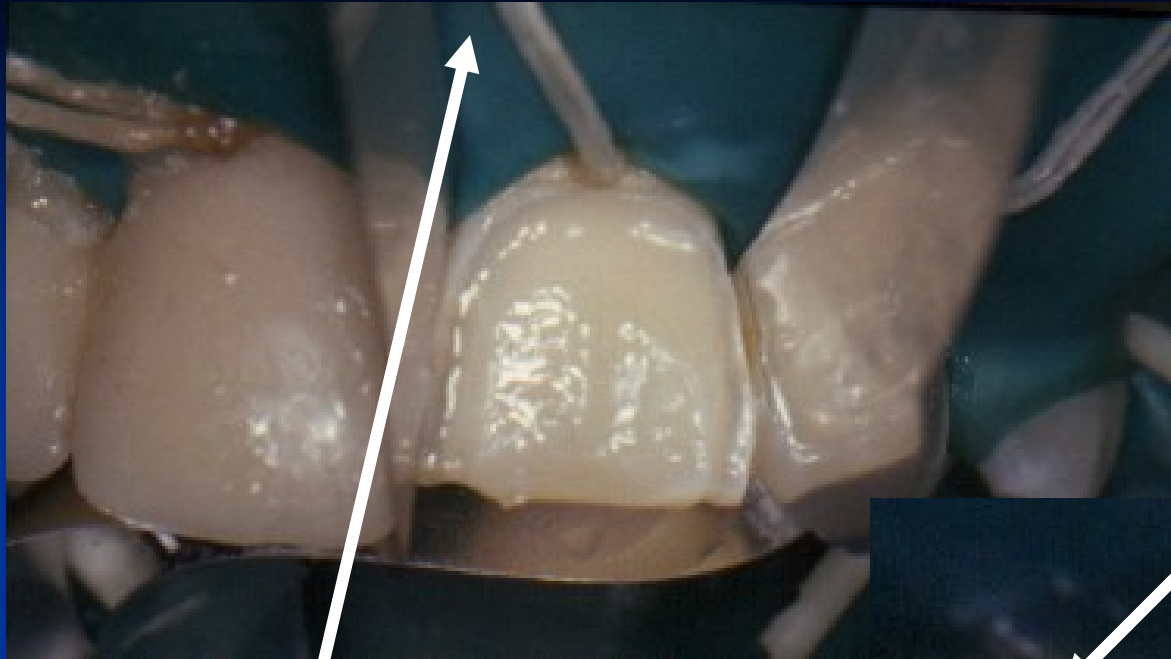




inversion





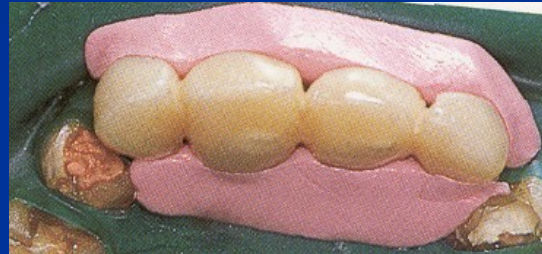
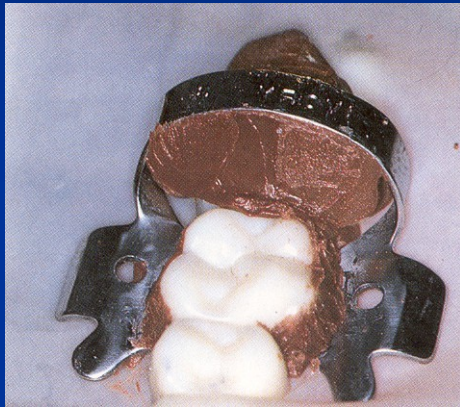


**Latex rollers -
wedjets**

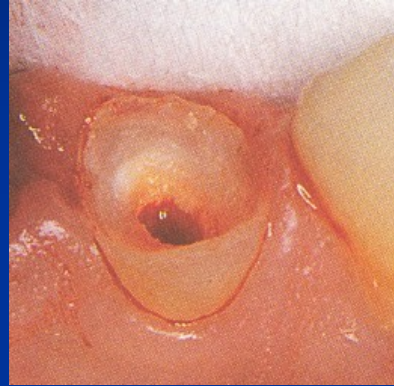


Ligaturs

Thermoplastic impression material



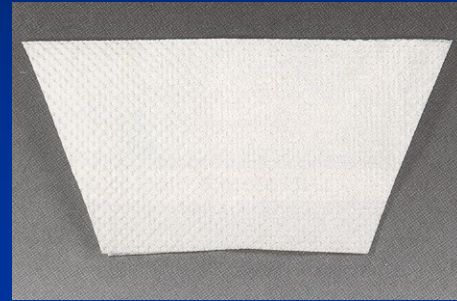
Elongation of the clinical crown before application of the clamp



Lubrication



Napkin



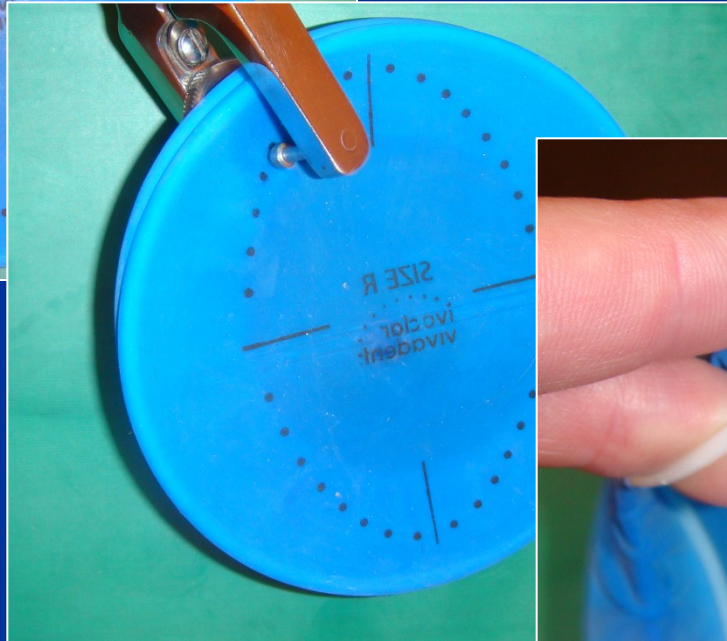
Modifications

- Optidam
- Optradam
- Minidam

Optidam



tradam



lenka.roubalikova@tiscali.



Minidam

