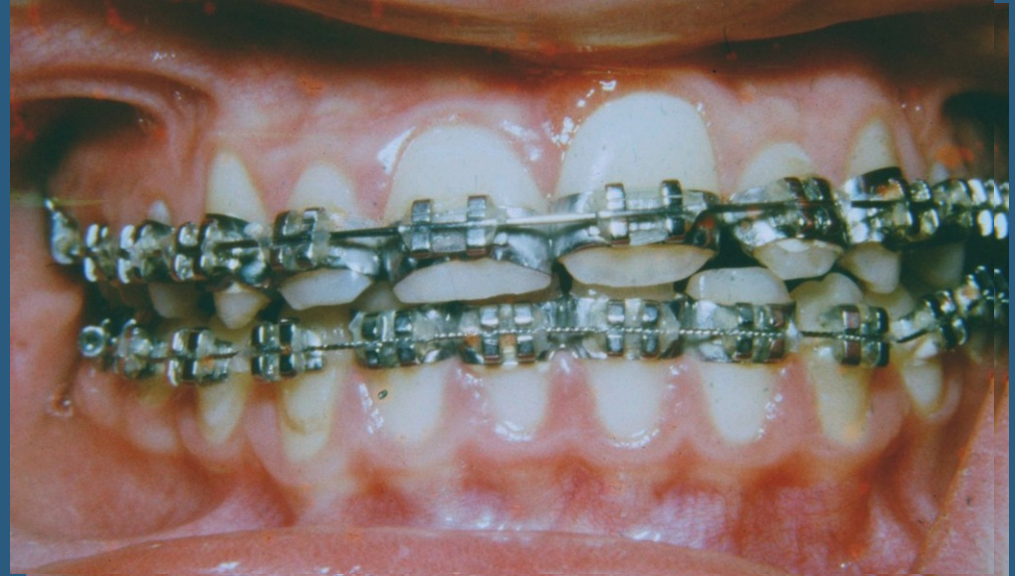


ORTHODONTIC TREATMENT FIXED APPLIANCES

- MUDr. Alena Bryšová, Ph.D.



FIXED APPLIANCES -HISTORY



ORTHODONTICS BRACKETS

Stainless steel brackets



Advantages

- strong, do not crack
- smooth, low profile
- recyclable
- low friction
- price

Disadvantages:

- Aesthetic

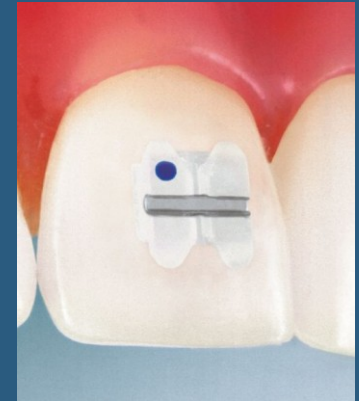


STAINLESS STEEL BRACKETS



ORTHODONTICS BRACKETS

Ceramic brackets



Advantages:

- Aesthetics

Disadvantages:

- repeated bonding problem
 - robust
 - crack
 - higher friction (avoid metal slot)
 - price

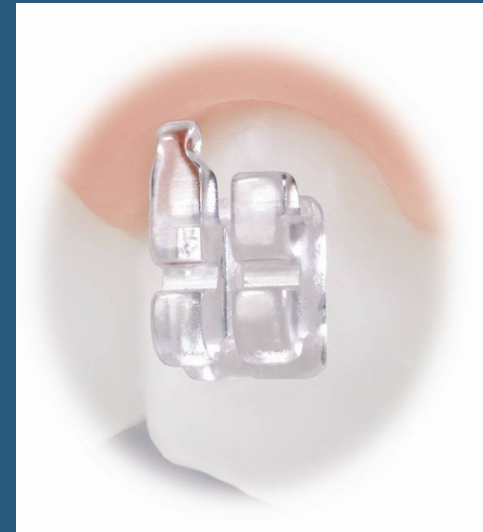


CERAMIC BRACKETS



ORTHODONTICS BRACKETS

Sapphire brackets



Advantages

- aesthetic

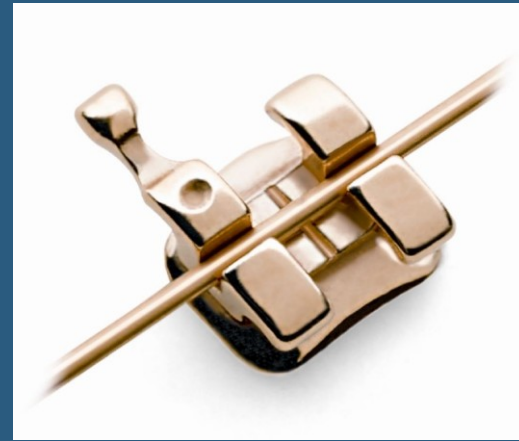
Disadvantages:

- repeated bonding problem
- robust
- crack
- higher friction (avoid metal slot)
- price



ORTHODONTICS BRACKETS

Gold-coated brackets



Advantages:

- suitable for allergy sufferers
 - strong, do not crack
 - smooth, low profile
 - recyclable
 - Low friction
 - Aesthetics

Disadvantages:

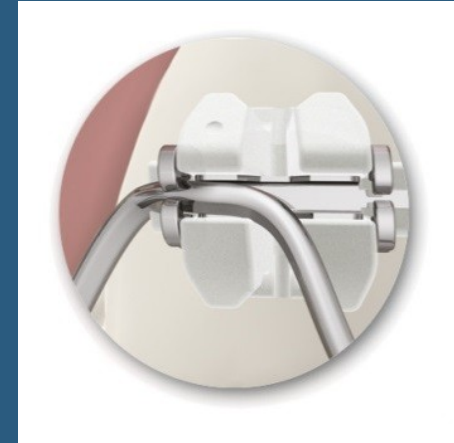
- price





ORTHODONTICS BRACKETS

Selfligating brackets – metal and ceramic



Advantages:

- minimum friction
- low power
- faster treatment
- fewer office visits

Disadvantages:

- not suitable for all types of defects



SELFLIGATING STAINLESS STEEL BRACKETS



ORTHODONTICS BRACKETS

Lingual brackets – 2D,3D



Advantages:

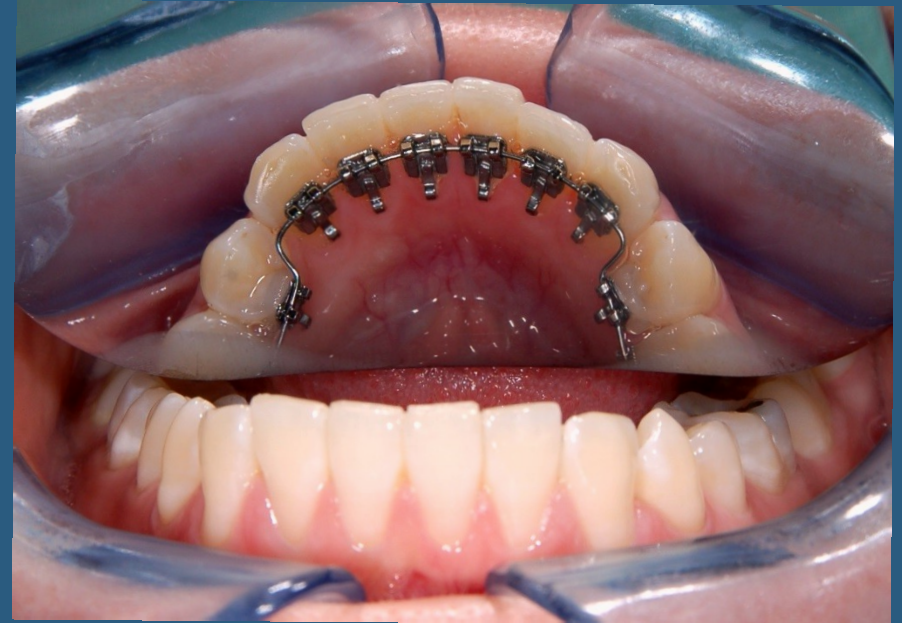
- Aesthetics

Disadvantages:

- unsuitable for all types of defects
- Difficulty hygiene
- (patient discomfort)



LINGUAL BRACKET

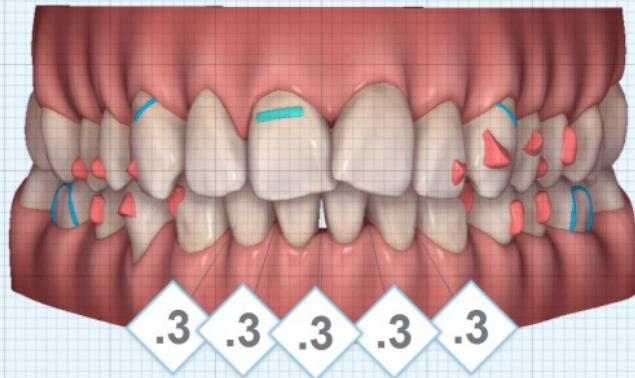




ORTHODONTICS BRACKETS

Decorative brackets





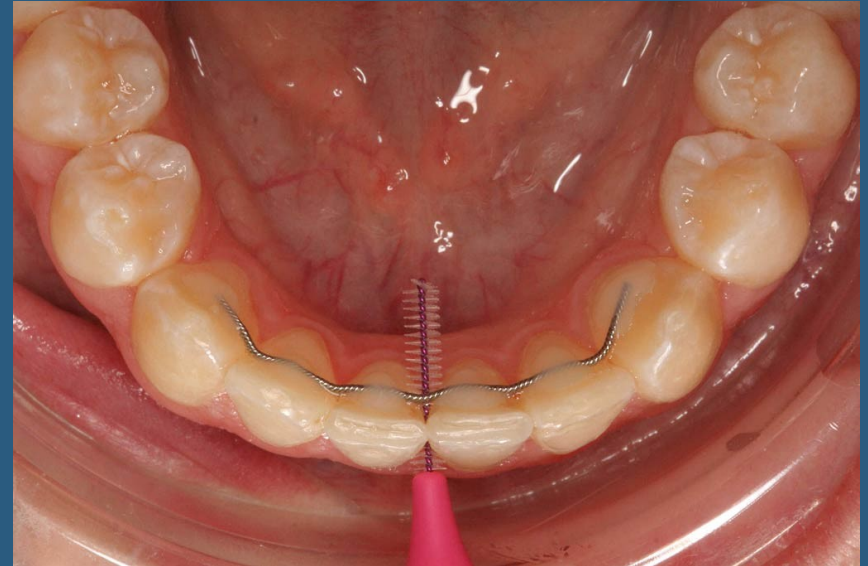
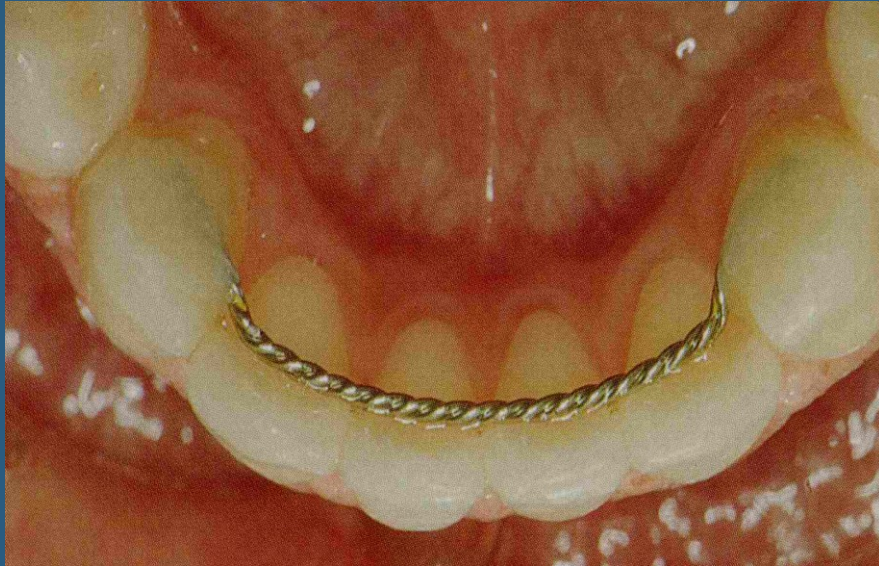
ClinCheck® Software

Simulated Tooth movements, actual treatment results may vary.
The decision to treat and the actual treatment plan are determined by your doctor.





FIXED LINGUAL RETAINER



Direct bonding

1. cleaning

2. etching

3. rinse

4. drying



Direct bonding

5. primer

6. bonding

7. remove excess

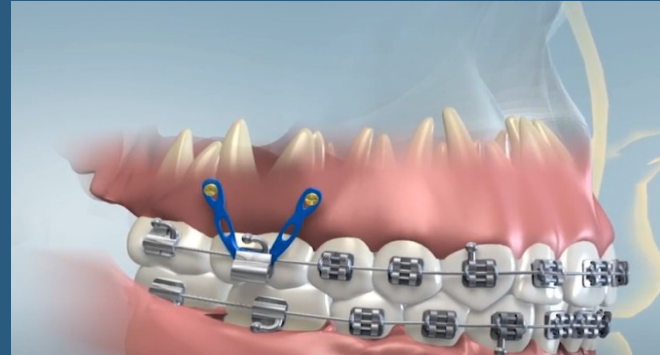
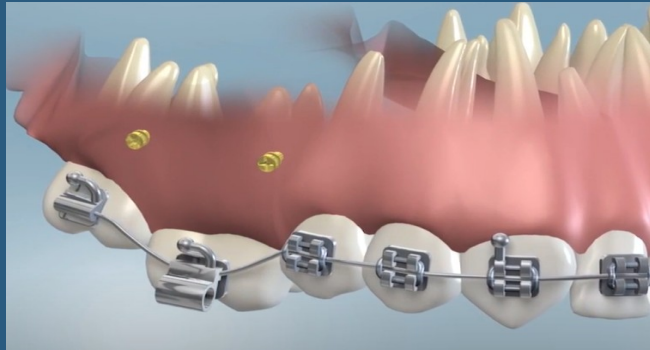
8. light or chemically cured



INDIRECT BONDING



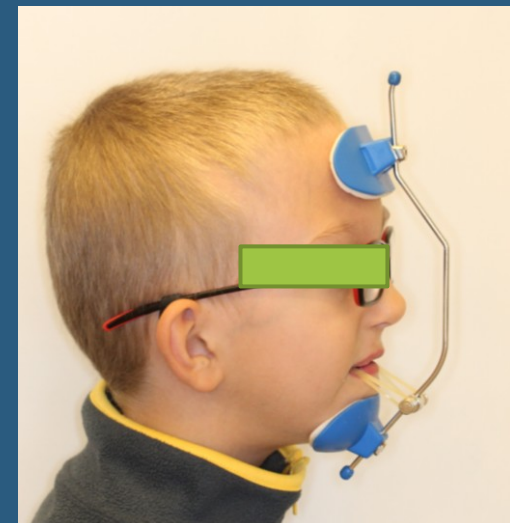
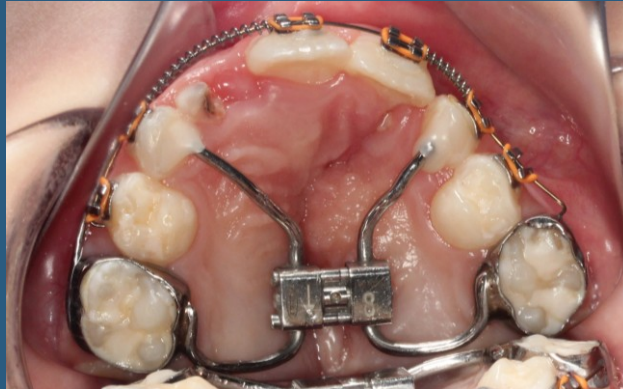
TAD – Temporary Anchorage Devices – Mini Srew, Implants



TAD – Temporary Anchorage Devices – Mini Srew, Implants Benefit Systém, hybrid hyrax



Haas Hyrax with Face mask



CASES











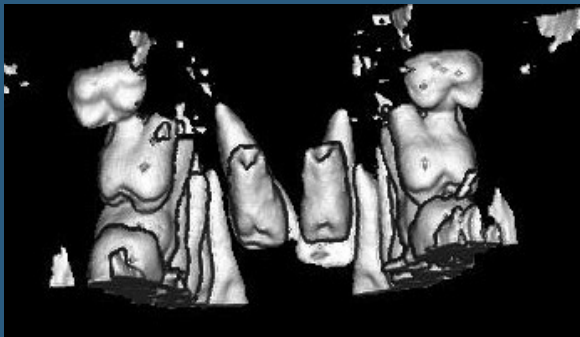
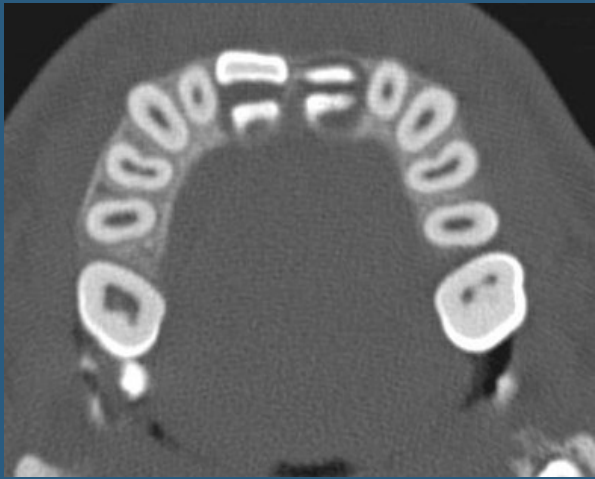
- Treatment time – 11 months





















- Treatment time – 16 months

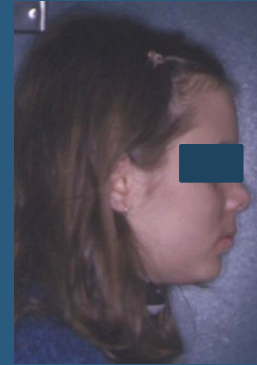










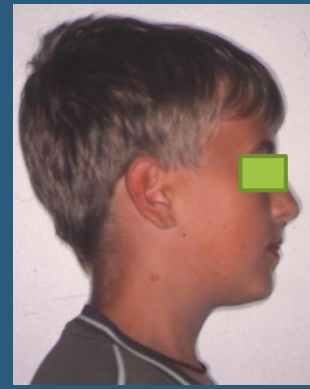
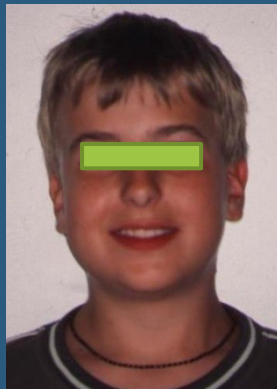






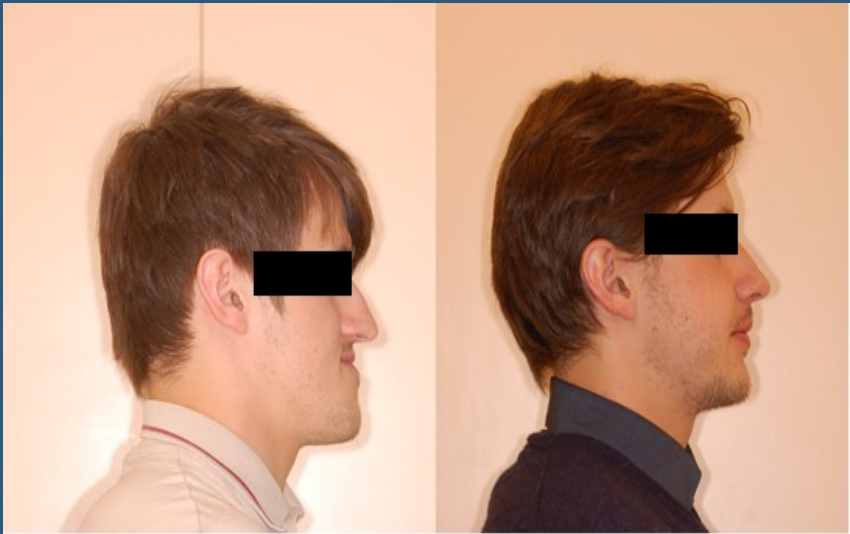




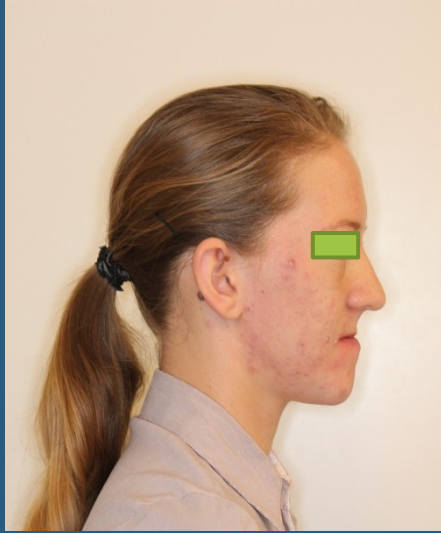








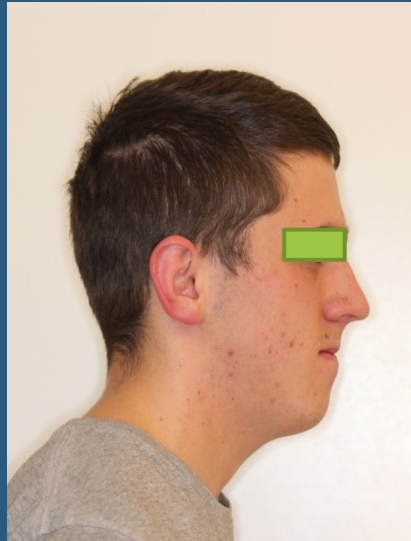
Before
treatment



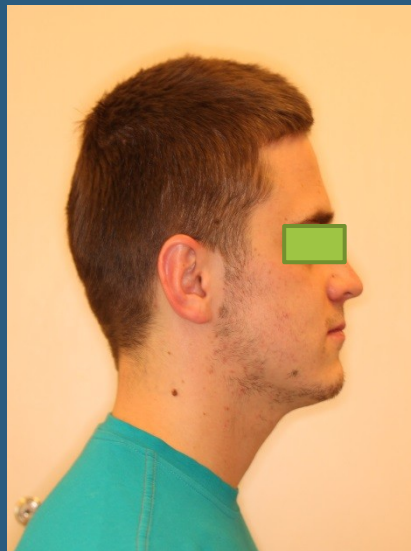
After treatment



Before Treatment



After Treatment









THANK YOU FOUR YOUR ATTENTION

Questions – email – alena.brysova@fnusa.cz

Consultation – Orthodontic department - St. Anne's Hospital, building D2b – Thursday 1-2 p.m.

