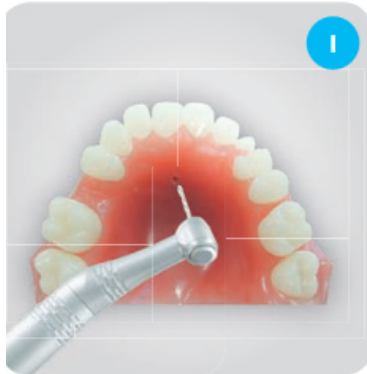


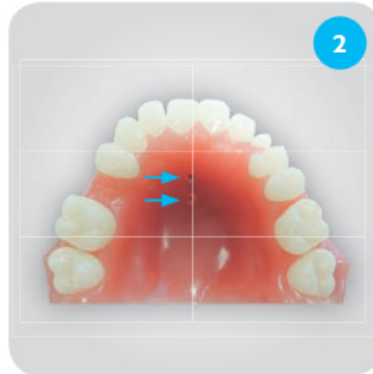
GUIDELINE:

DISTAL / MESIAL MOVEMENT –MONDEAL DISTALIZER/MESIALIZER

I – STEP BY STEP INSTRUCTION



Center-drilling for the insertion of the screws.



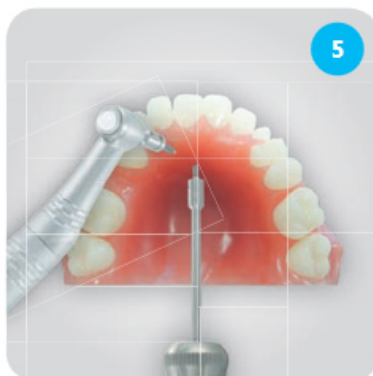
Median drilling for the screws (the second screw is placed in the area of the bicuspid (dentes premolares). Most used screws: 2.0 x 9mm and 2.0 x 7mm



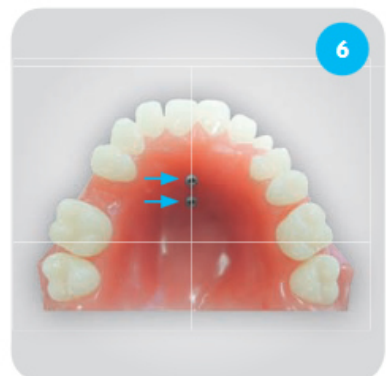
Receiving the screw with the screwdriver from the container. (upright and with little pressure!)



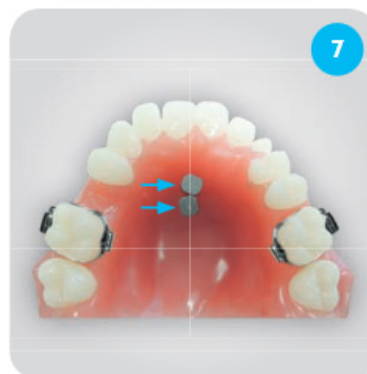
The screw sticks in the blade. Control: Only 1-2 tenths of the screw head platform should be seen.



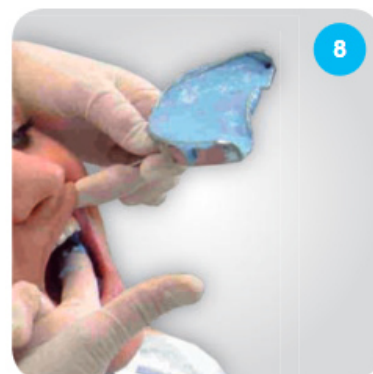
Insertion of the screw (either with the screwdriver or with an angular handpiece).



Result after the **first appointment**.



Second appointment: Adjusting the bands and affixing the impression caps on the healed screws.



Making the alginate impression in which bands and impression caps get stuck.



Making the plaster model based on the laboratory analogs.



Finished plaster model on which the orthodontic appliance now is bended and completed.



Adjustment of the MONDEPLATE by the help of a bending pliers and/or a three-jaw pliers and a suitable wire cutting pliers in the following 5 steps.



Step 1



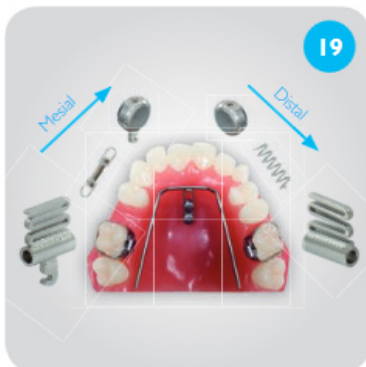
Step 2



Step 3
Control at the model as well as adjusting the length of the wire.



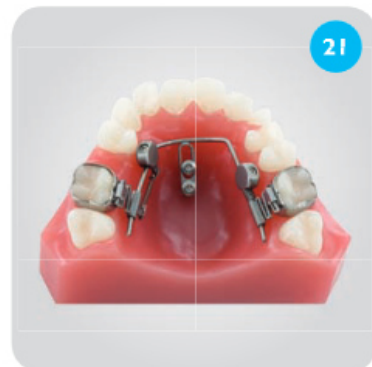
Handle with blade for fixation of the fixation screws on the laboratory analogs. The appliance now is bended completely.



Mobilizer, spring and hook lock for mesialization of the right dental arch resp. for distalization of the first molar on the left.



Activation of mobilizer.



Finished appliance



Fixation screw on the blade.



Fixation of the MONDEPLATE on the insert and healed screws by the help of fixation screws. **(third appointment)**



Fixed appliance

Impression (laboratory processes / auxiliary elements)



Impression cap



- metal
- fitting on the screw head
- rotation-resistant



Laboratory Analog

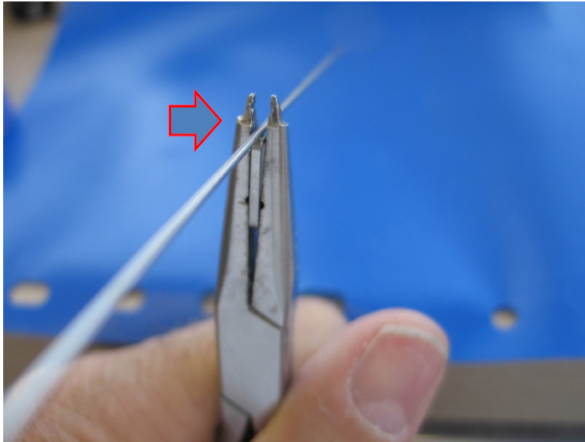


Construction of head analog to the implant: bihexagonal at the outside and internal thread

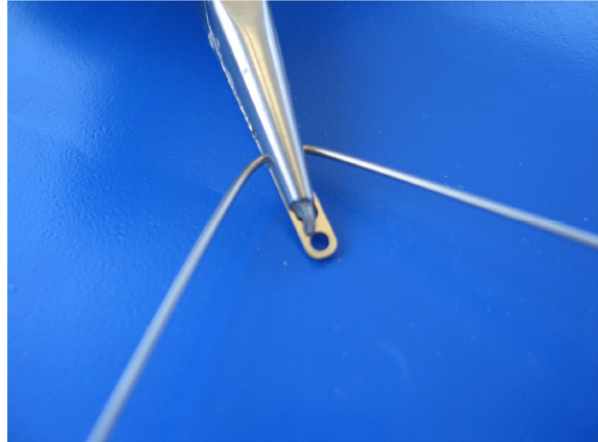
Indentation for better anchorage in the plaster model

II - GENERAL NOTES FOR THE LABORATORY TECHNICIAN (RECOMMENDED BY DENTAL TECHNICIAN: DIETER PETERMANN)

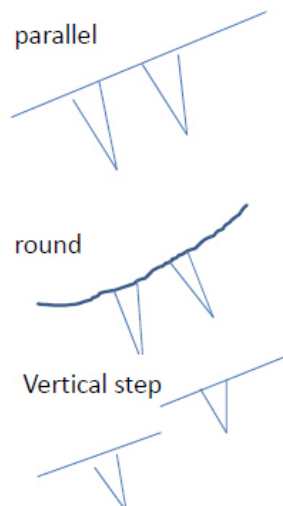
Don't keep the plate



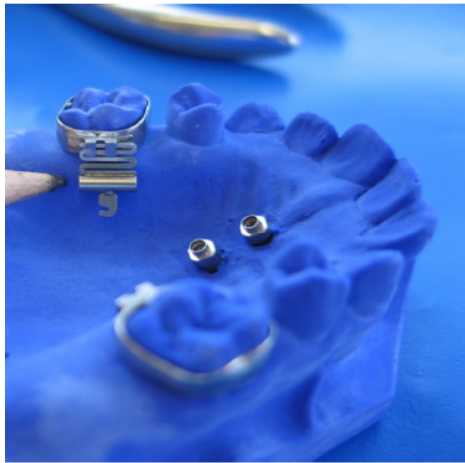
Keep the wire for bending



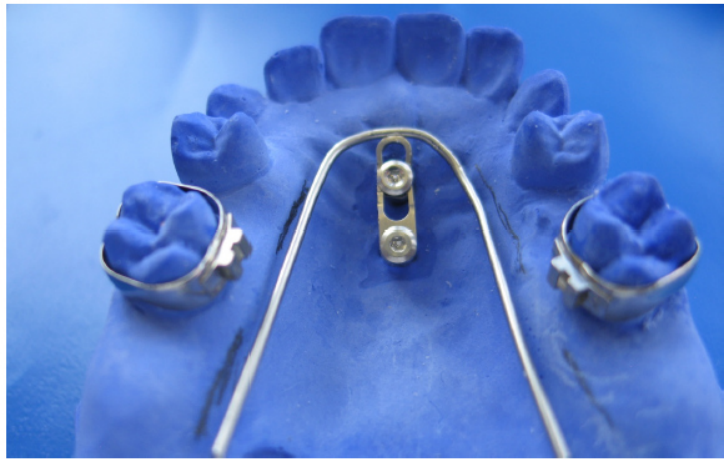
Different placement of screws



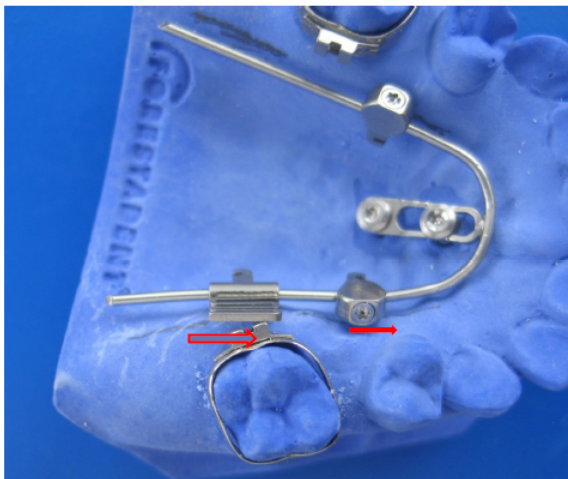
Sign the height of the hook lock



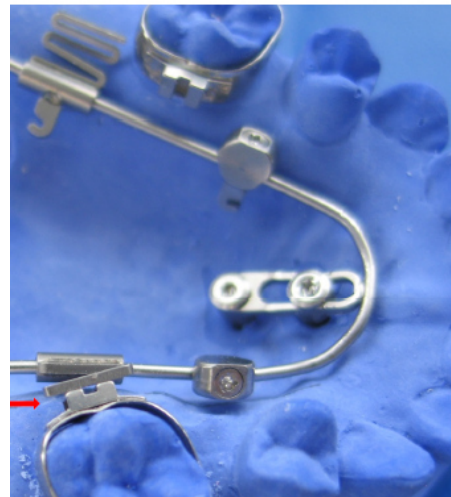
Bend the wire straight on



Take care of enough space between stop and gingiva.
Adapt the hook lock to the lock



Adapted hook lock

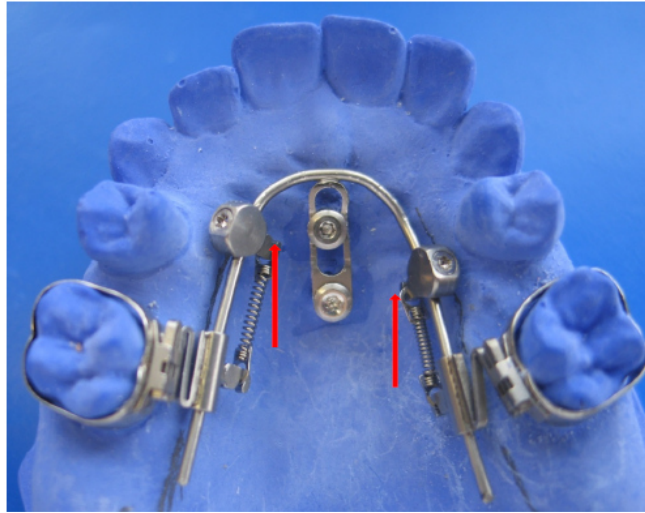


After placement of coiled spring place the stop

Cut the ends of wire



Activated spring coil



III - General notes for the orthodontist – The insertion plan of mini screws

There are three insertion areas in the palate: The anterior palate and the interradicular spaces on each lateral side between the second premolars and the first molars.

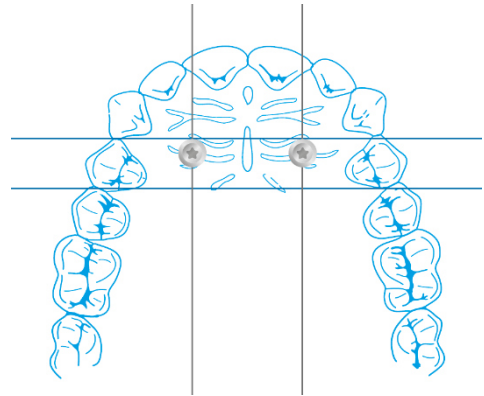
At the **anterior palate**, insert always two MONDEFIT screws paramedian or median. The middle line and the third large palatine fold can help to find the correct insertion field.

Step by Step instruction:

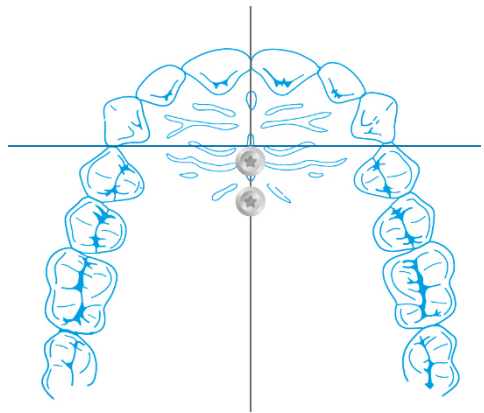
- 1) Do a measurement of bone thickness (x-ray), in order to determine the right length of the MONDEFIT screws.
- 2) Trace a transversal line between the distal contact points of the upper canines. If these are non-existent or too anterior positioned, use the third palatine fold.

- 3) Insert the two MONDEFIT screws each three millimetres from the middle line angularly to the occlusal plane. During the insertion, align the tips of the MONDEFIT screws on the root apex of the upper canines.

It is also possible to insert the MONDEFIT screws at midway between the contact points of the upper canines and the middle line with an angle of 90° to the occlusal plane and additional rotated through 10° in the lateral / cranial direction.



In case of median insertion, use the third palatine fold for orientation. At the crossing point with the middle line insert the first MONDEFIT screw and screw in the second MONDEFIT pin minimum 6mm behind.



- 4) Please follow the procedure in section I.