

UNI-Smile Distractor

III. Surgical procedure

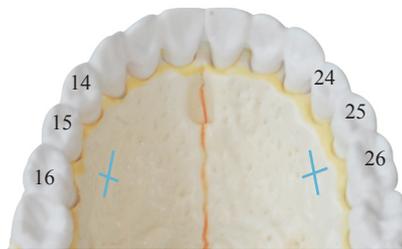


Sequence of the surgery

1. Corticotomies: lateral + midline (+ posterior disjunction)
2. Placement of the UNI-Smile Distractor with self-drilling screws between teeth n° (14)-15-16 and (24)-25-26

SP-023 Rev. B

INCISION



A cross palatal incision or an L-incision, between premolar and molar or between premolars has shown to be the ideal location. The incision is made 1 cm downwards as indicated on the picture.

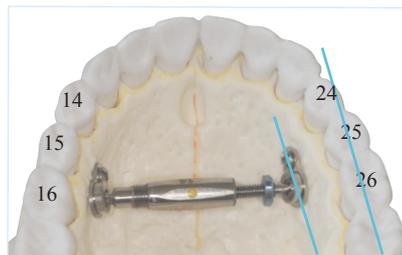
The correct distractor module can be measured bone to bone with the fitting models (IT0440).



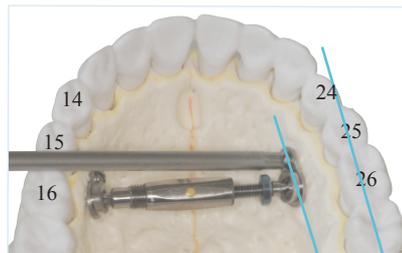
IT0440

PLACEMENT

Blocking nut (blue) always on the left



The abutment plates are placed horizontally. The blocking nut (blue side) is intended for the left side of the patient.



The Smile Distractor must be fixed to the palatal bone with a self-drilling screw on each side (DSSA06 or DSSA07 - screwdriver IT0315).



IT0315

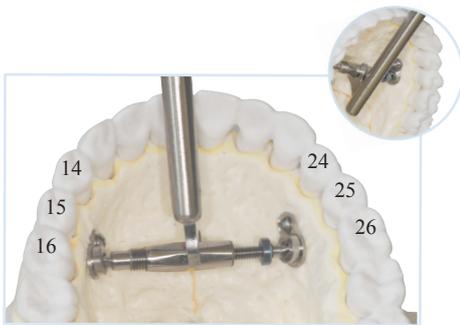


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ACTIVATION



The surgeon must activate the Smile Distractor until the two front teeth have an opening of ± 1 mm. To do this, place the key instrument (IT0414) over the middle part of the distractor body and turn from the front to the back.



IT0414

BLOCKING NUT



Turn the blocking nut against the module of the distractor using the key instrument (IT0414). It is important that the blocking nut does not remain in the gums during the surgery.



Sequence of the distraction

1. A week after surgery, the activation of the Smile Distractor is started with the patient key (IT0444). Turn the blocking nut a little backwards so that the module isn't blocked by the nut. Then turn the distractor open until resistance can be felt on the bone and then turn an additional once or twice.

During the activation period (1 to 2 weeks), the patient must turn the module 1/3 of a rotation twice a day; this is about 0.6 mm opening per day. With each turn, a new colour appears.

2. After the activation period, the blocking nut must be tightened with some force. The easiest way to do this is with 2 patient keys: one on the module; and 1 on the locking nut; and then turn them in opposing directions. Leave the distractor in place for a period of 3 to 6 months.

