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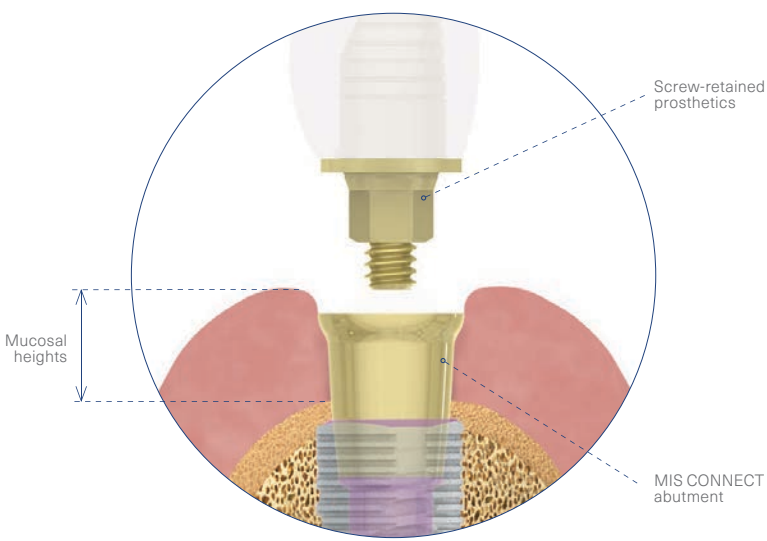
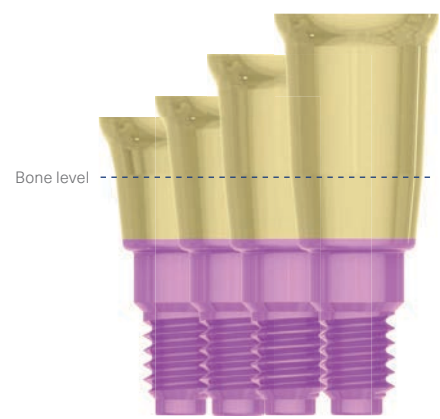
Versatile one-time solution.

The MIS CONNECT is a stay-in abutment system which enables avoiding interference of the peri-implant gingival seal.

It offers doctors the ability to maximize the tissue-level restoration concept, enabling the entire prosthetic procedure and restoration to occur far from the bone, and at any level of the connective tissue.

Some of the biological benefits of the CONNECT include a reduction in micro-movements and micro-leakage of bacteria at the bone level. In addition, the CONNECT provides the clear advantage of avoiding disturbing the peri-implant gingival seal.





Benefits.

Versatility

The MIS CONNECT system may be used in single or multiple unit restorations for digital or traditional procedures. It may also be used for both provisional and final prosthetic restorations.

Ease of use

The CONNECT abutment, is delivered sterile and comes with its own plastic grip for maximum ease of use.

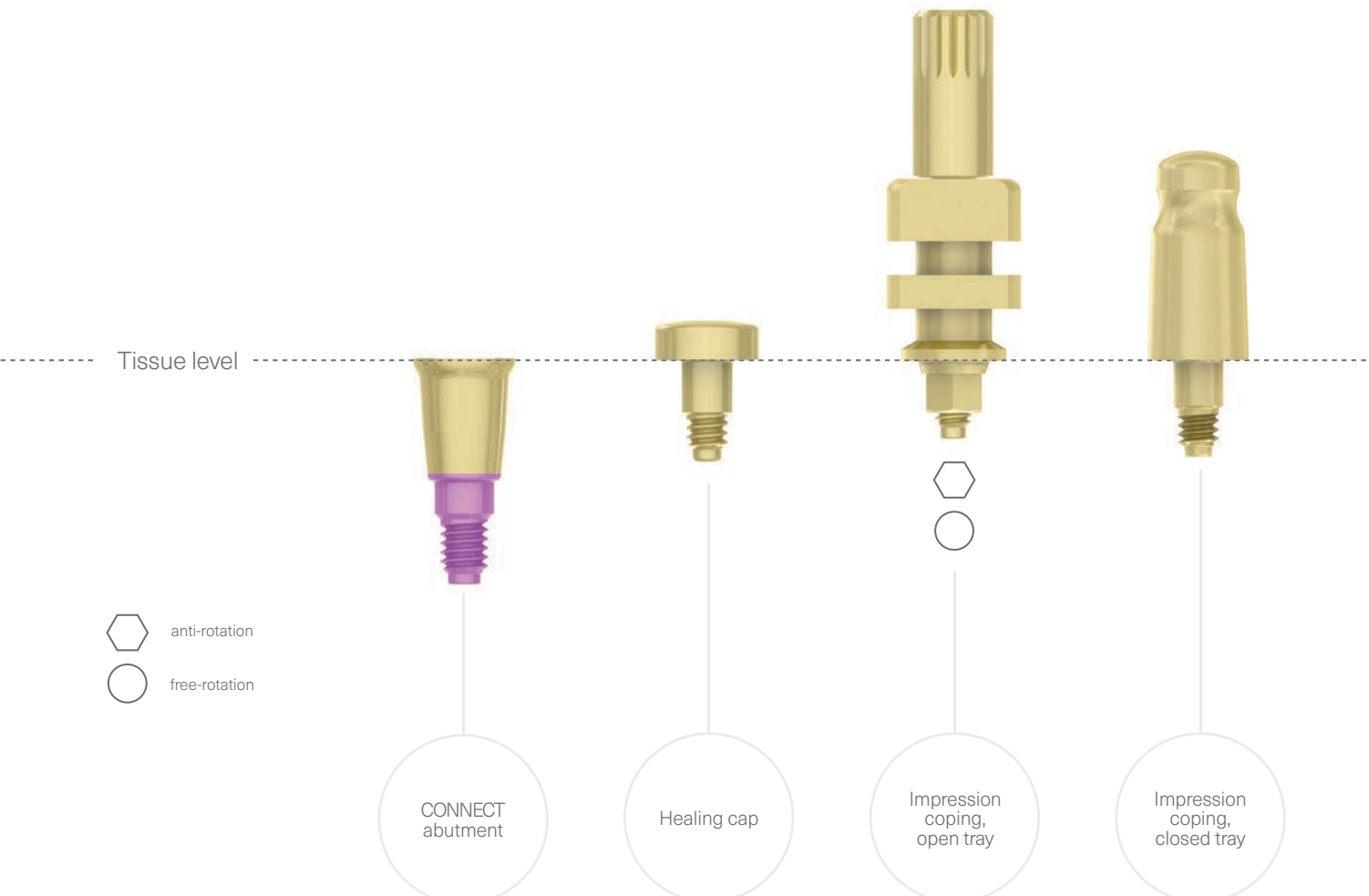
Esthetics

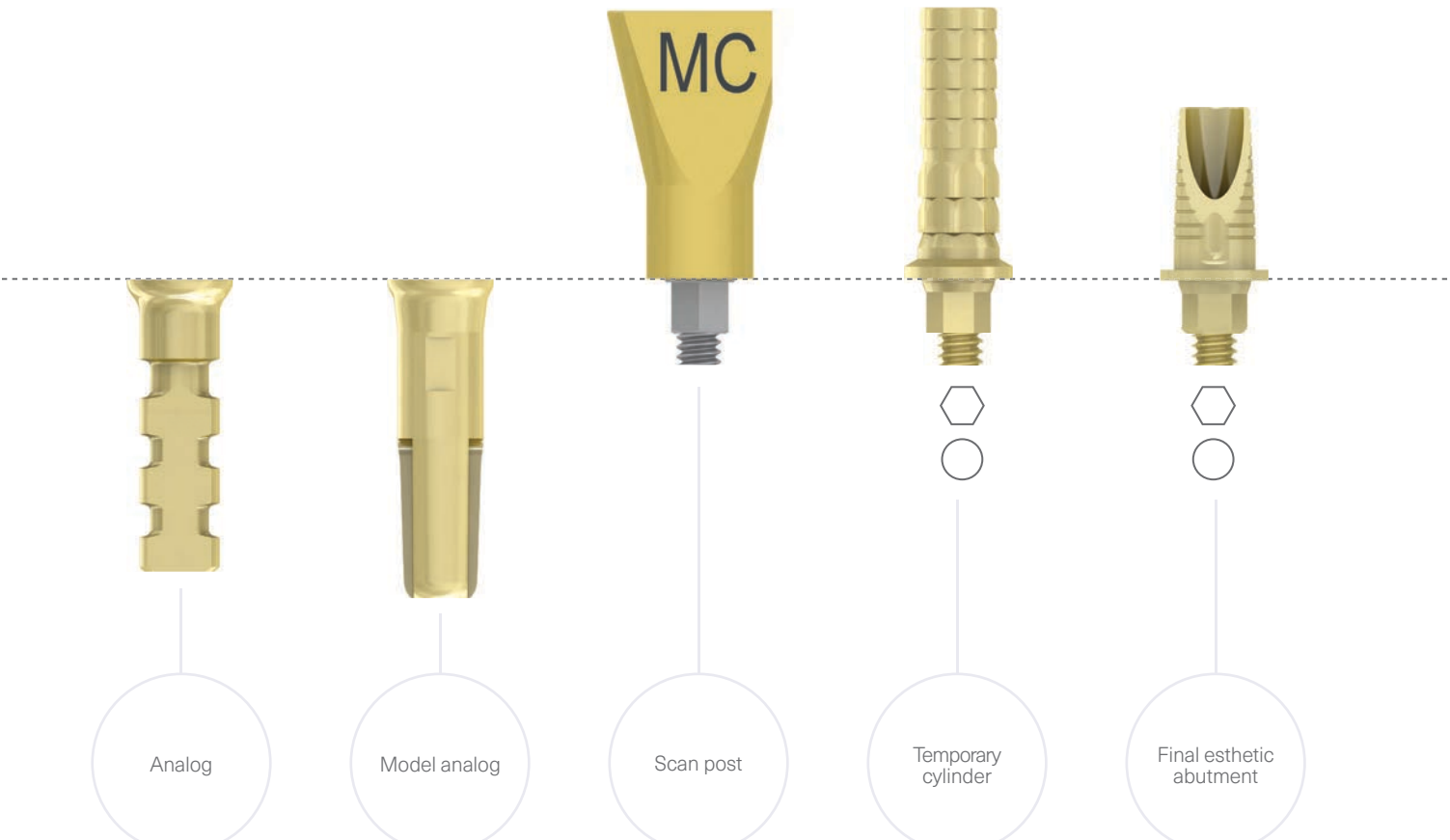
With the transmucosal CONNECT abutment, (low and narrow profile) a predictable and successful outcome is easily achieved. The solution allows for a broader range of screw-retained prosthetics in the esthetic zone and may be used in immediate or II stage procedures.

Ultimate precision & durability

CONNECT abutments are one-piece and solid (with no separate prosthetic screw). The system enables a smooth path of insertion for bridges and connected crowns, thanks to a 40° opening of the abutment. Its internal connection presents the advantage of high accuracy and ultimate fit with the supra-structures.

MIS CONNECT System.

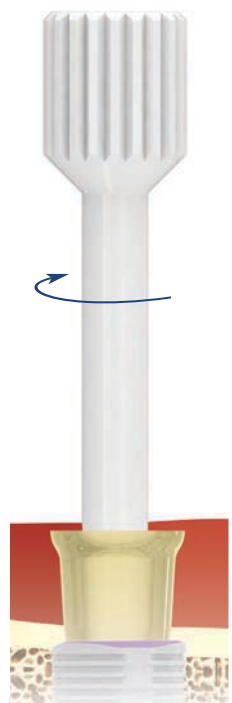



MC
Analog
Model analog
Scan post
Temporary cylinder
Final esthetic abutment

Step by Step.

1. Assembly

Gingival height measurements should be taken prior to assembly.

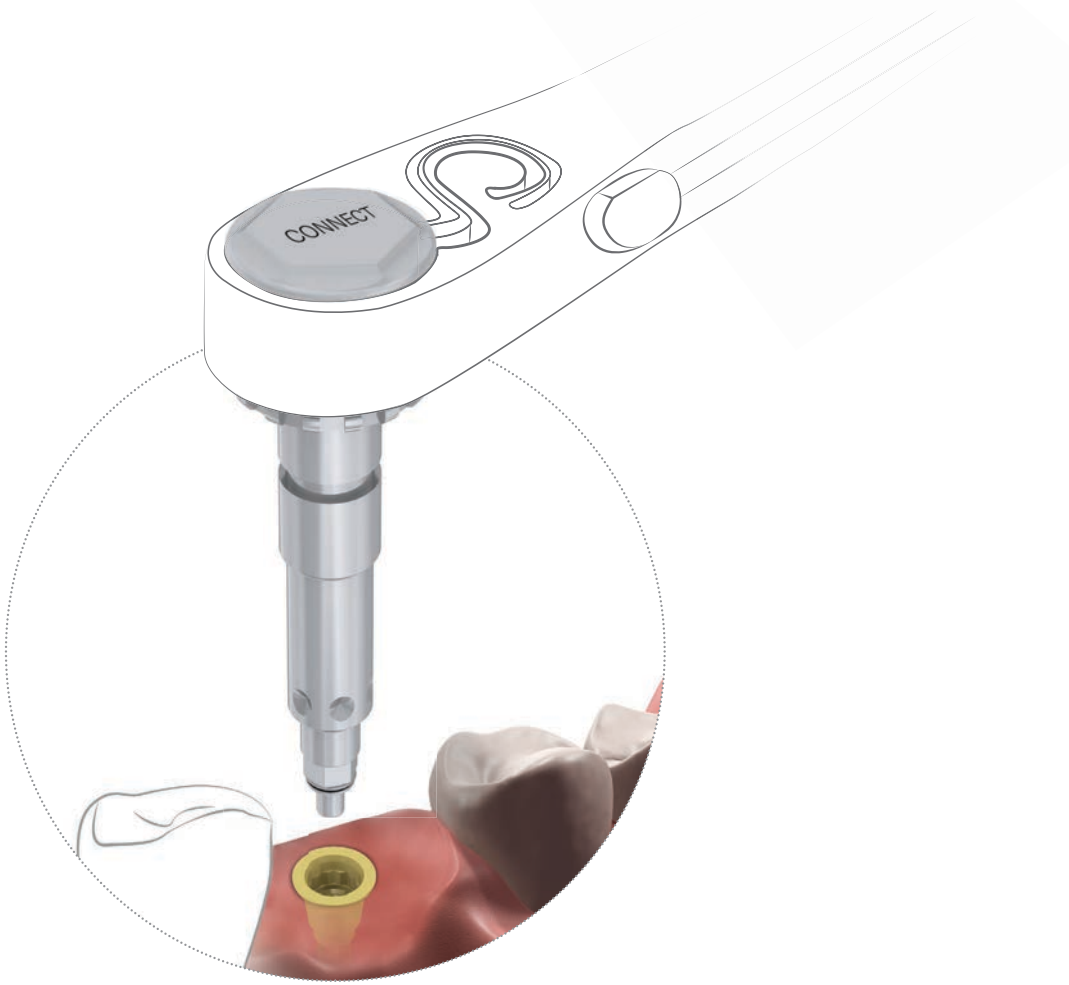


Use the plastic gripping tool to attach the CONNECT abutment to the implant.

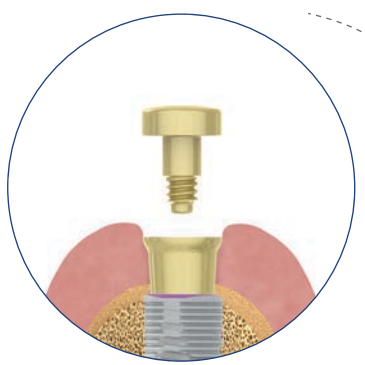
Remove the plastic tool by applying a slight bending motion.

2. Tightening

The CONNECT is tightened to the implant using the CONNECT insertion tool, to a recommended torque of 30Ncm.

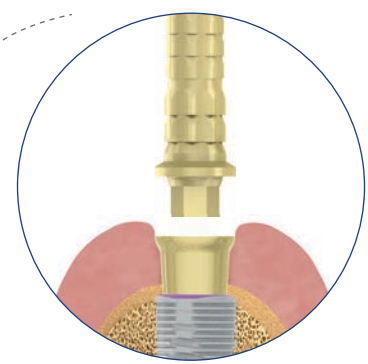


3. Prosthetic Procedure

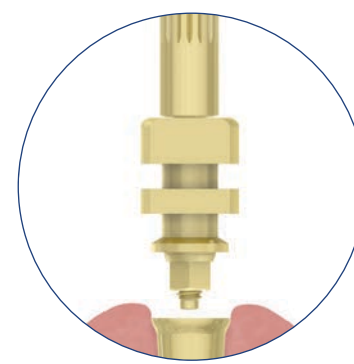


Place healing cap for duration of healing period using a recommended torque of 15Ncm.

or



Load with temporary restoration using a recommended torque of 20Ncm.



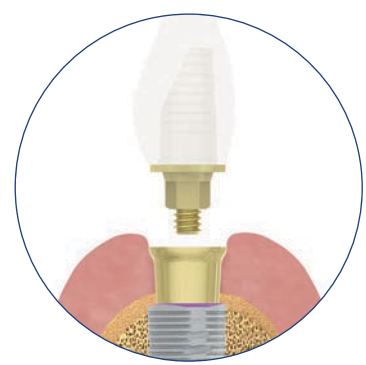
Open or closed tray impression may be taken for:

1. Traditional restoration procedure
2. Desktop scanning of stone model

Digital restoration procedure using an intra-oral scanner, and scanning the scan post after attaching to CONNECT abutment.

or

Traditional restoration procedure following an open or closed tray impression and stone model milling.



Final restoration planning. The final esthetic abutment is used for this stage.

The restoration is then screwed in and tightened with a recommended torque of 30Ncm.

MIS CONNECT Abutment System.

CN-C2040 | H=2mm, Ø4mm
CN-C3040 | H=3mm, Ø4mm
CONNECT abutment, conical connection, NP

CS-C1540 | H=1.5mm, Ø4mm
CS-C2040 | H=2mm, Ø4mm
CS-C3040 | H=3mm, Ø4mm
CS-C4040 | H=4mm, Ø4mm
CONNECT abutment, conical connection, SP

CW-C1540 | H=1.5mm, Ø4mm
CW-C2040 | H=2mm, Ø4mm
CW-C3040 | H=3mm, Ø4mm
CW-C4040 | H=4mm, Ø4mm
CONNECT abutment, conical connection, WP

MM-H0540 | H=0.5mm, Ø4mm
MM-H1540 | H=1.5mm, Ø4mm
MM-H3040 | H=3mm, Ø4mm
CONNECT healing cap

MM-IC040 | Ø4mm
CONNECT impression coping for closed tray (Requires MT-IT100 key)

MM-IO040 | Ø4mm
CONNECT impression coping for open tray, free-rotation

MM-IOI40 | Ø4mm
CONNECT impression coping for open tray, anti-rotation

MM-RSM41 | Ø4mm
CONNECT analog

All products shown in this catalog are sold subject to individual regulatory certification only.

MM-TC041 | Ø4mm | CONNECT temporary cylinder, free-rotation

MM-TCI41 | Ø4mm | CONNECT temporary cylinder, anti-rotation

MM-CE046 | H=6mm, Ø4mm | CONNECT final esthetic abutment, free-rotation

MM-CEI46 | H=6mm, Ø4mm | CONNECT final esthetic abutment, anti-rotation

MM-SP104 | L=10mm, Ø4mm | CONNECT scan post, anti-rotation

MM-SPF40 | L=10mm, Ø4mm | CONNECT scan post, free-rotation

MM-MAN40 | Ø4mm | CONNECT Ø4, model analog

MT-CLM21 | CONNECT long motor insertion tool

MT-CSM21 | CONNECT short motor insertion tool

MT-CLR21 | CONNECT long ratchet insertion tool

MT-CSR21 | CONNECT short ratchet insertion tool

MM-S0160 | CONNECT prosthetic screw

MM-SA160 | Prosthetic screw for angled screw channel* (Sold separately)

*For use with CONNECT final esthetic abutment (MM-CE046, MM-CEI46) only and requires angled screw channel key.

R&D Testing.

R&D tests have shown that even with a narrow and modular profile, the CONNECT has outstanding mechanical properties and will not be released overtime, even as a single unit crown.

Fatigue test

The CONNECT abutment withstood 5,000,000 cycles at the fatigue limit of 210N for standard platform and 140N for the narrow platform.

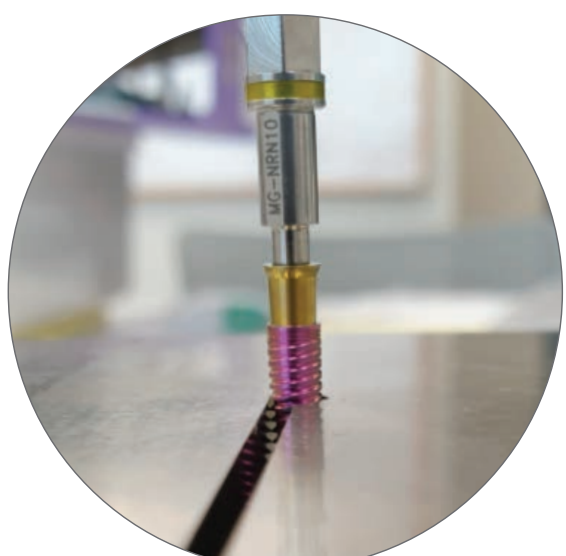
No prosthetic screws were damaged or fractured during the testing.

Screw loosening test

Effect of lateral cyclic loading on CONNECT abutment screw loosening.

Initially tightened at 30Ncm, then subjected to cyclic lateral loading for 1 million cycles at 150N.

No screw loosening was observed. Furthermore, reverse torque value increased by 85%.



Fracture torque test

Max. torque value the assembly can withstand before fracture.

The CONNECT was proven to withstand torque values of up to 5 times the recommended tightening torque of 30Ncm.

Clinical Study.

A RANDOMIZED CONTROLLED CLINICAL TRIAL, DESIGNED TO EXAMINE IF THE USE OF THE “ONE ABUTMENT - ONE TIME” CONCEPT PRESENTS ANY ADVANTAGE OVER THE TRADITIONAL APPROACH.

Prof. Tomas Linkevičius, DDS, Dip Pros, PhD, Institute of Odontology,
Vilnius University in Lithuania

Aim of the study

To determine the influence of two distinct prosthetic approaches on: ▪ Crestal bone stability ▪ Level of inflammation ▪ Peri-implant soft tissues ▪ Esthetic parameters

Hypothesis

The “one abutment-one time” concept using the CONNECT abutment will lead to enhanced crestal bone stability compared to a traditional approach, which involves the use of multiple abutment disconnections and soft tissue seal alteration.

Study design

A total of 60 patients were enrolled and divided into two groups:

Control group - restoration with conventional abutment, involving several abutment disconnections.

Test group - one abutment-one time with the CONNECT abutments - no abutment disconnection.

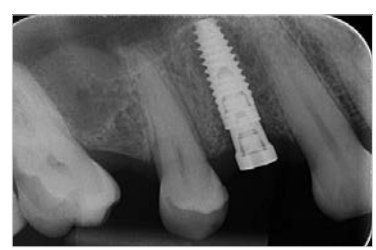
Surgical procedure was done using MIS V3 implants (Ø3.9 x 8-11.5mm).

Primary endpoint

Radiographic evaluation of crestal bone levels (bone loss and bone remodeling).

Preliminary results of the CONNECT abutment after 5 months, with final restoration.

27.6.2018 MIS V3 implant placed 2 mm subcrestally and Connect abutment immediately connected.



10.9.2018 Radiologic image 2 months after healing with no bone loss.

10.9.2018 Peri-implant soft tissues around Connect abutment.

16.11.2018 After 1 month with a provisional restoration, no bone loss is detected.

23.11.2018 Post-restorative situation with final Zirconia based screw-retained restoration, torqued 30Ncm to Connect abutment. No bone loss and no bone remodeling shown.

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