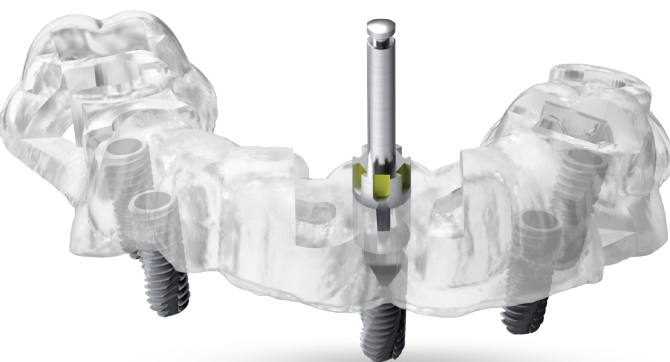# OneGuide

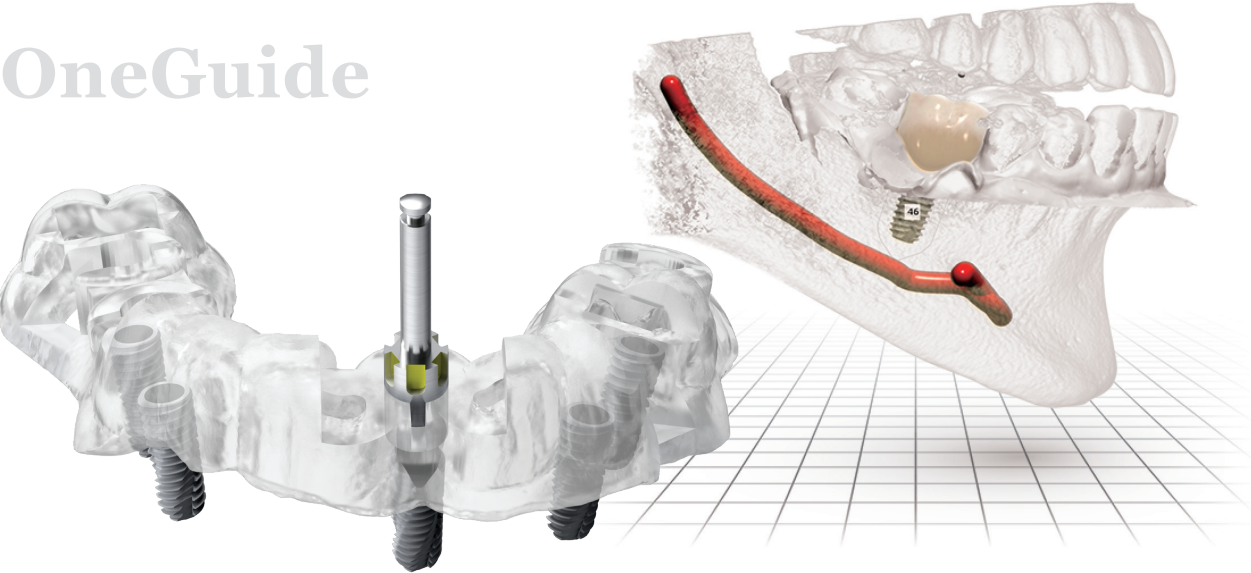## NO. 1 DIGITAL IMPLANT SURGERY, OSSTEM

Creates patient-specific stents by computer-based virtual surgical simulation for accurate and safe surgery.

OSSTEM
IMPLANT

OneGuide

OneGuide

In the digital age, we recommend **Osstem OneGuide Surgery** for safer and more extended use of implants.

Recommended for :

Those who are afraid of surgery pain

It does not hurt!

Those with a lack of time due to social engagement

Quick surgery! Less number of outpatient visits!
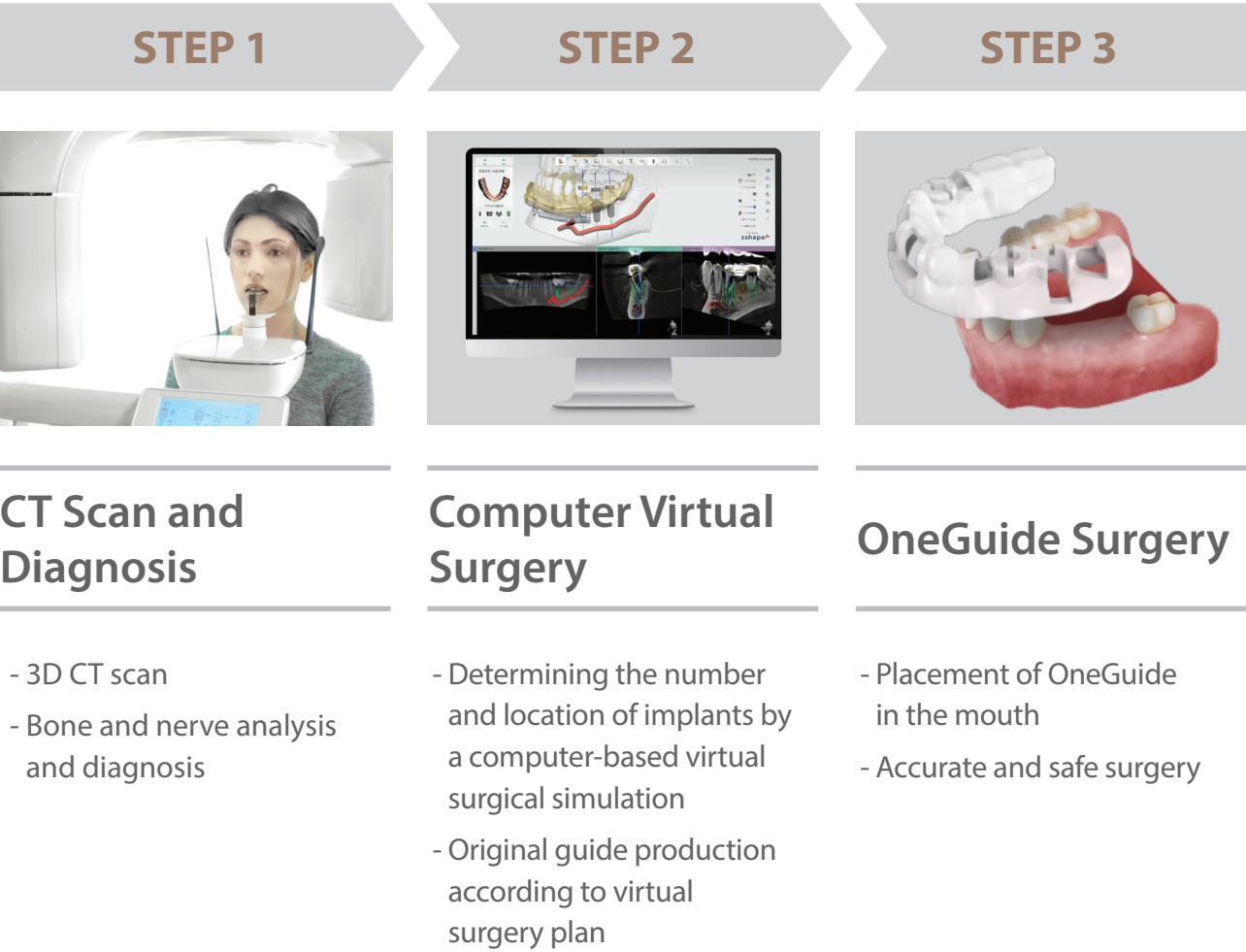
OneGuide

Patients with systemic diseases, such as diabetes and hypertension

Minimal bleeding with minimal incision! Fast recovery!

Those with advanced age or who are physically weak

High success rate with safe and accurate surgery!

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OneGuide

How Does OneGuide Surgery Work?

STEP 1	STEP 2	STEP 3

CT Scan and Diagnosis

- 3D CT scan
- Bone and nerve analysis and diagnosis

Computer Virtual Surgery

- Determining the number and location of implants by a computer-based virtual surgical simulation
- Original guide production according to virtual surgery plan

OneGuide Surgery

- Placement of OneGuide in the mouth
- Accurate and safe surgery

OneGuide surgery :

· Provides accurate detection of the bone by 3D computer stereoscopic imaging.

· Produces the OneGuide, a surgical guide for optimal implant positioning determined by computer-based virtual surgical simulation.

· Enables fast and safe implant placement in the accurate position.

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STEP 1. Accurate detection of the bone by 3D computer stereoscopic imaging


Since it accurately diagnoses the thickness and condition of bone tissues and the location of blood vessels and nerves in 3D using state-of-the-art computed tomography (CT) equipment, the surgery's success rate is higher than that of a standard procedure using 2D radiography.

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STEP 2. Production of OneGuide, a surgical guide for optimal implant positioning determined by computer-based virtual surgical simulation
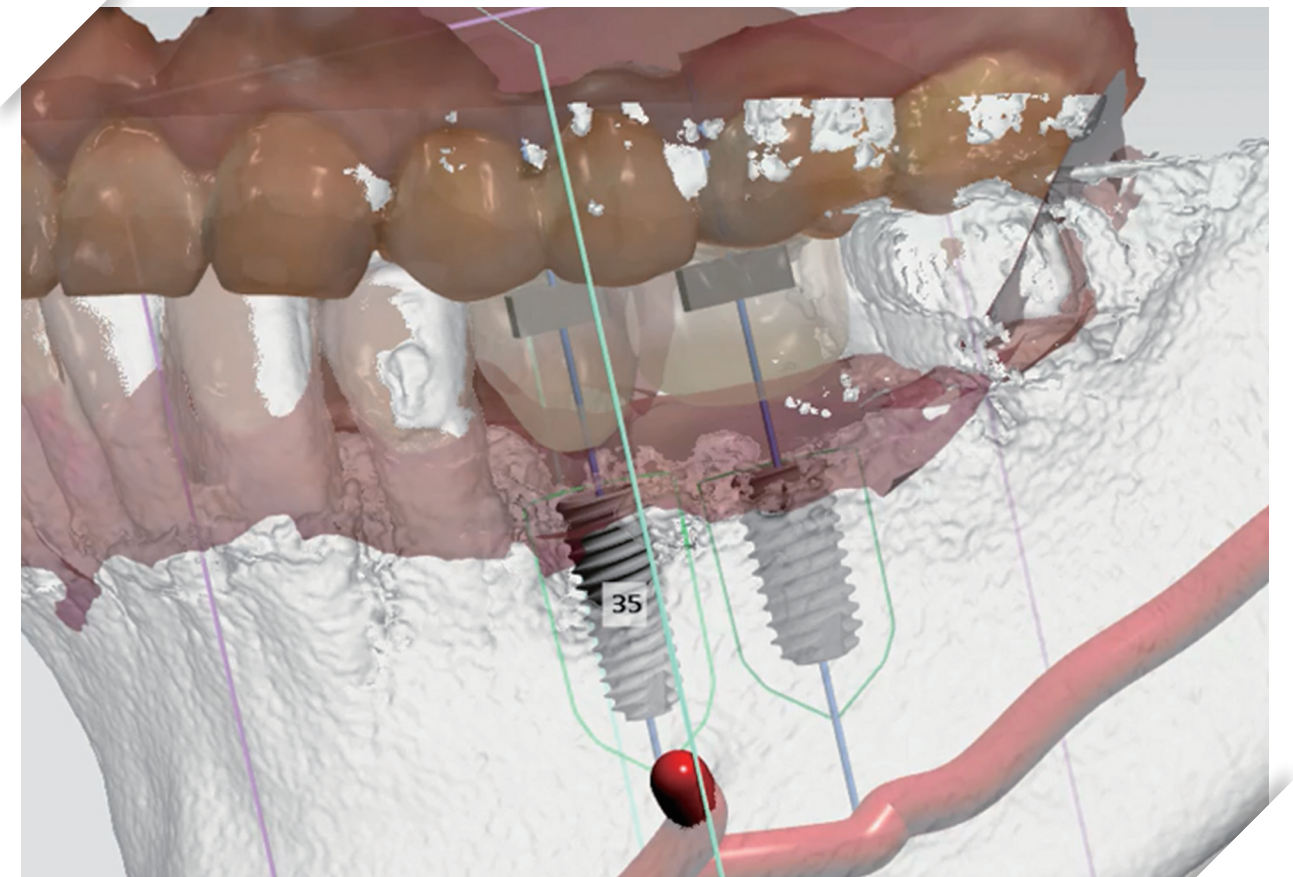
It enables safe and accurate surgery as it determines the number of implants, placement position, direction, and angle in advance by analyzing the invisible bone structure and nerve location through computer-based 3D virtual surgical simulation.

OSSTEM IMPLANT

OneGuide

STEP 3. Fast and safe implant placement in the accurate position by placing the OneGuide
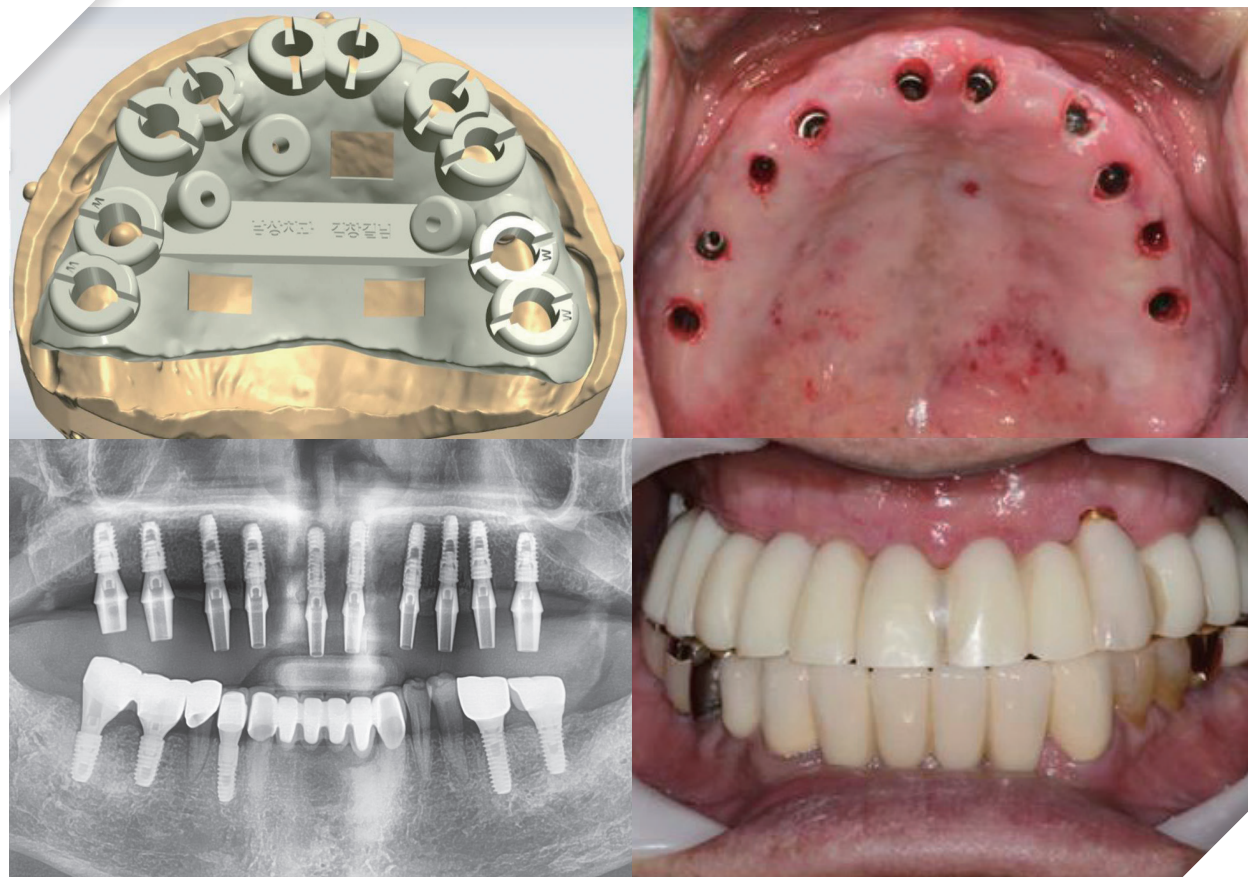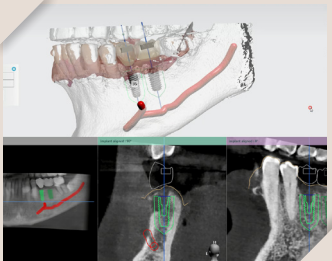

The OneGuide produced based on the computer-based virtual surgical simulation is placed in the patient's mouth to allow fast, painless, and safe implant surgery with no incision or minimal incision.

OSSTEM IMPLANT

OneGuide

VS	Diagnosis	Virtual surgical simulation
OneGuide Surgery	3D CT diagnosis	Computer-based virtual surgical simulation
General Surgery	2D X-ray diagnosis	Visual diagnosis

Benefit 1 — Surgery is performed after an accurate detection of bone nerves by the 100% 3D CT scan.

Benefit 2 — Computer-based virtual surgical simulation leads to a safe implant surgery with a long-lasting effect.

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Incision method	Surgical method	Prosthesis
Minimal incision (less pain, faster recovery)	OneGuide surgery	Temporary prosthetic loading on the date of the surgery
Full incision	Surgery by observing with the naked eye	Prosthetic loading not possible on the date of the surgery

Benefit 3 — It enables painless and quick surgery by minimizing gum incision.

Benefit 4 — Patients can return to their daily lives immediately after surgery!
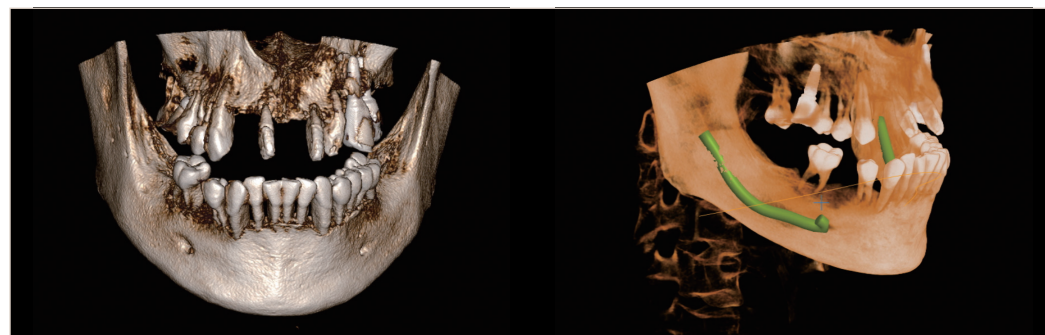
oSSTEM
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OneGuide

Benefit 1. Surgery is performed after an accurate detection of bone nerves by the 100% 3D CT scan.

OneGuide Surgery	
3D diagnosis (CT)	

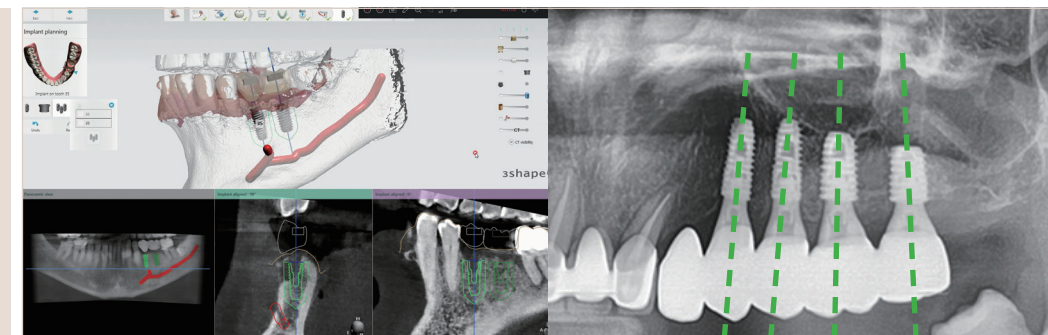| General Surgery	
2D diagnosis (X-ray)	Visual diagnosis

The 3D CT scans enable a precise 3D evaluation of the state of bone tissues and the position of nerves, which are not visible on X-ray and visual examination, and allows safe implant surgery with a high success rate.

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OneGuide

Benefit 2. Computer-based virtual surgical simulation leads to a safe implant surgery with a long-lasting effect.

OneGuide Surgery	
Position and depth of implant placement determined through computer-based virtual surgical simulation	
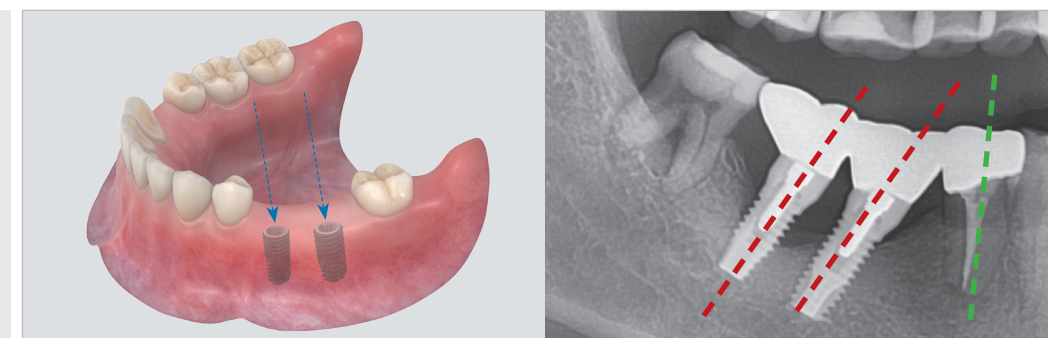
General Surgery	
Surgery by observing with the naked eye	

As the optimal position and depth of implant placement are determined through computer-based virtual surgical simulation produced by OneGuide, which is placed in the mouth for the surgery, it is a much safer and more accurate procedure than general surgery.

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OneGuide

Why Is Osstem OneGuide Surgery Better than General Surgery?

Benefit 3. It enables painless and quick surgery by minimizing gum incision.

OneGuide Surgery

⏱ 5 minutes!

It only takes **5 minutes** for placing one implant!

Reduced time with simple surgery and no gums incision

General Surgery

It takes approximately **30 minutes** from preparation to completion of the surgery!

Full gum incision

Since the surgery is performed by making a small hole for implant placement through minimal gum incision, the surgical mark is small, with minimal bleeding and no pain. It is very convenient has a very short operation time, allowing quick recovery after surgery.

Benefit 4. Patients can return to their daily routine immediately after surgery.

OneGuide Surgery

Esthetic prosthetic loading is possible on the date of the surgery

General Surgery

Temporary prosthetic loading is not possible on the date of the surgery
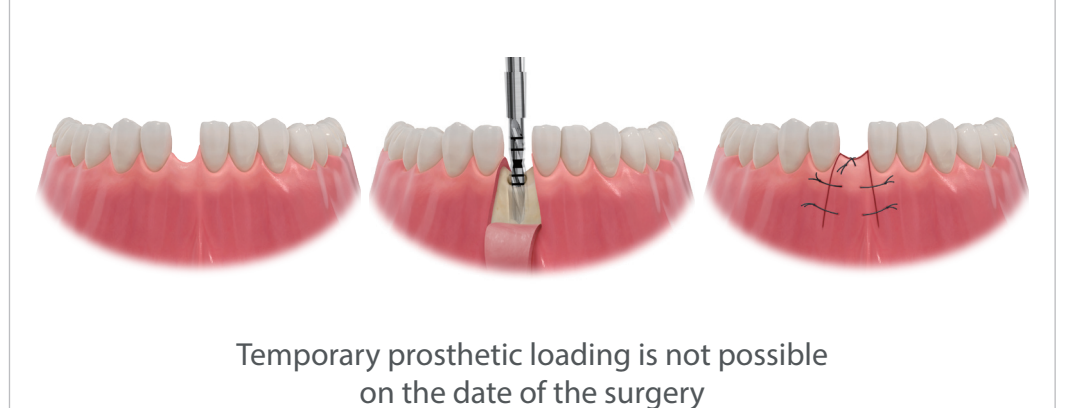
Customized temporary prosthesis suitable for the patient is produced in advance using computer-based virtual surgical simulation. It provides esthetic satisfaction with a natural-looking prosthesis, and the patients can resume their daily life activities (such as eating) with no discomfort.

OneGuide

CASE. Partial loss of maxillary molars
OneGuide surgery and prosthetic treatment

Before surgery

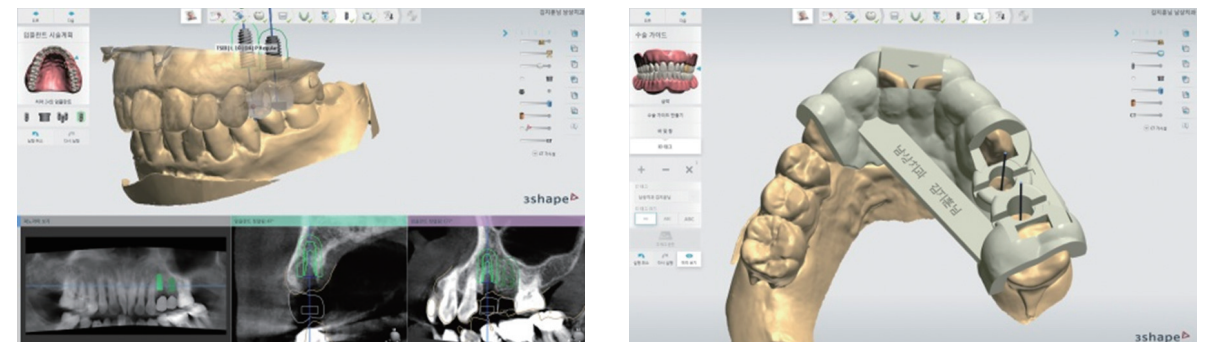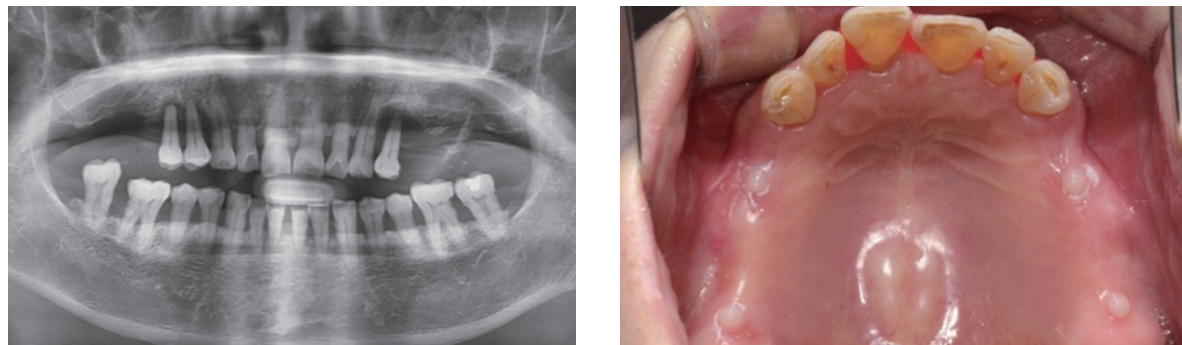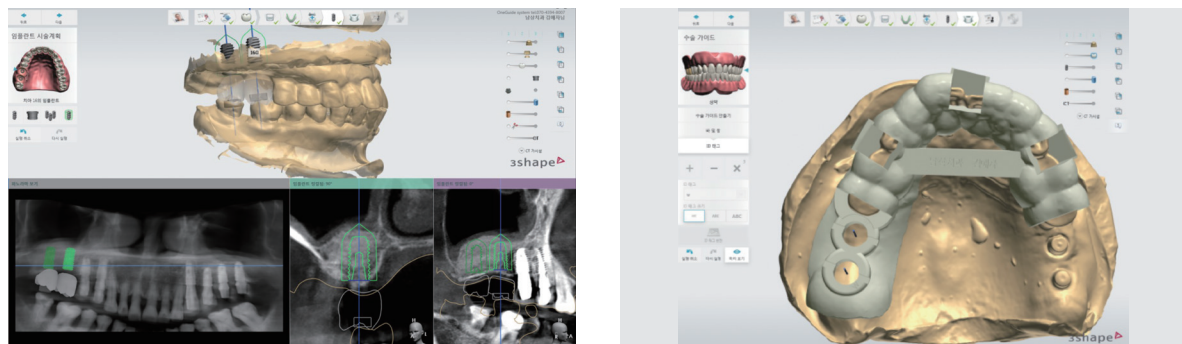Computer-based virtual surgical simulation

After surgery

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OneGuide

OneGuide

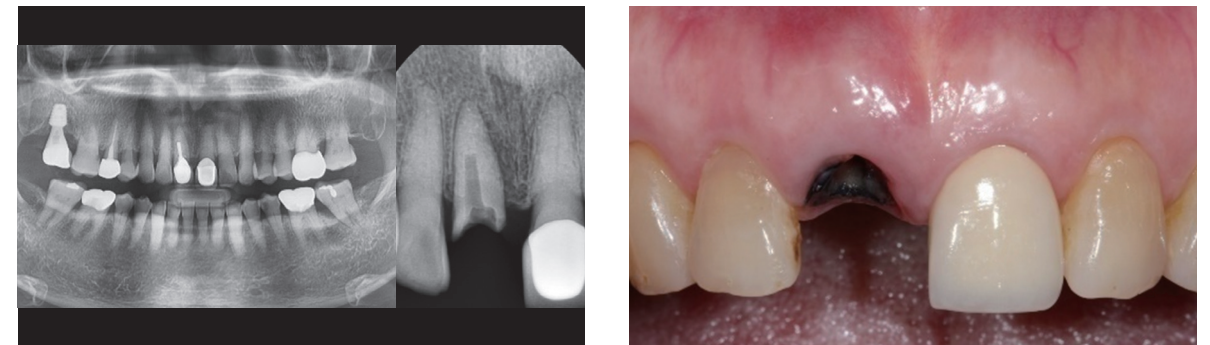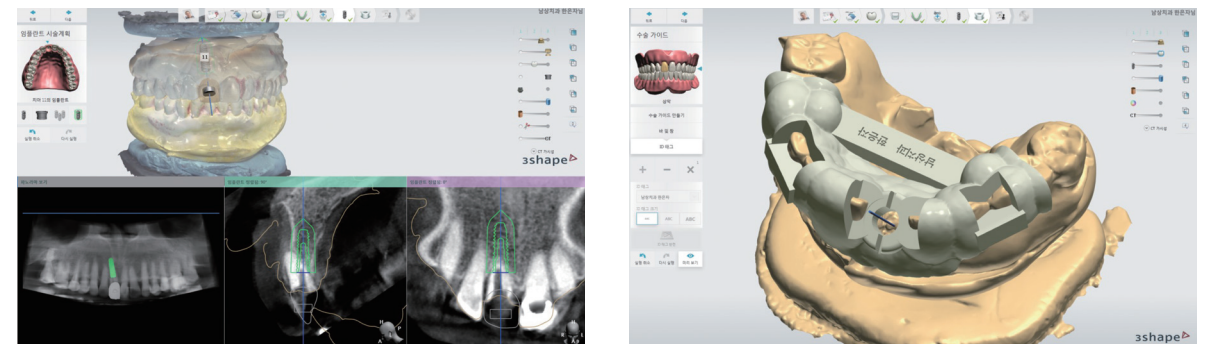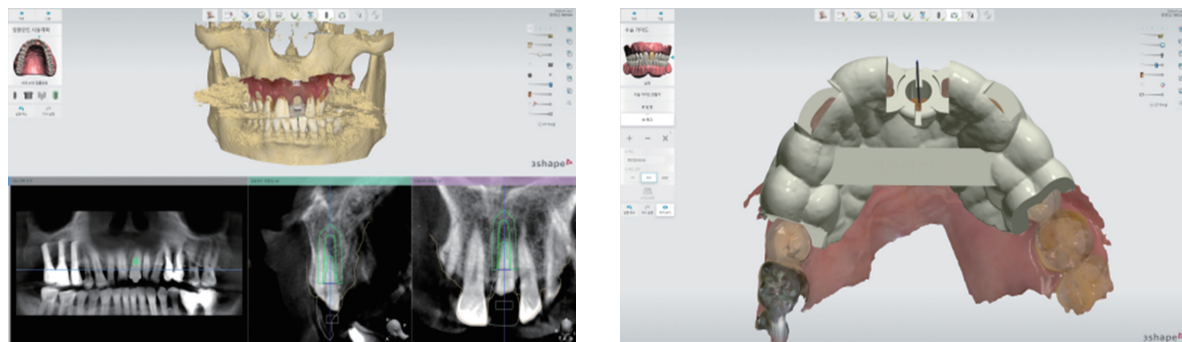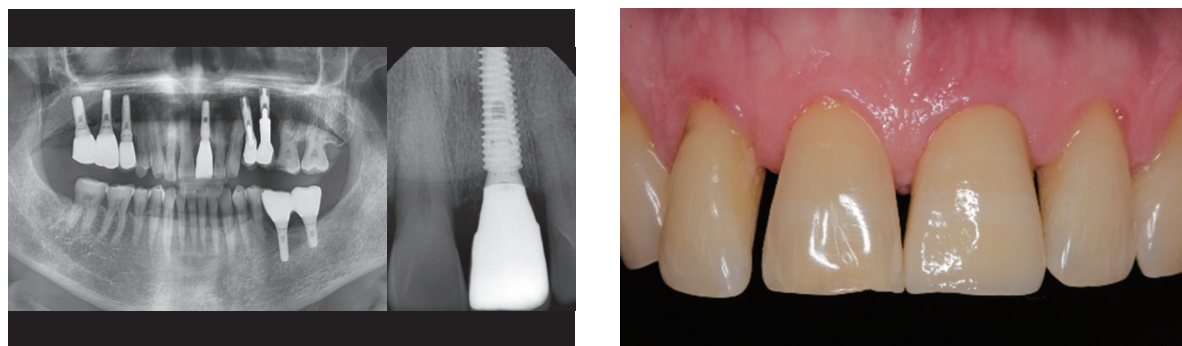## CASE. Multiple loss of maxillary molars OneGuide surgery and prosthetic treatment

Before surgery

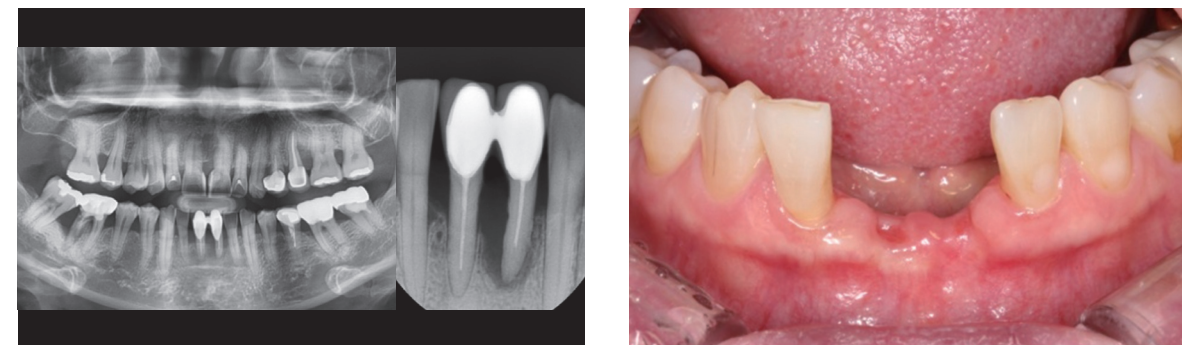### Computer-based virtual surgical simulation

After surgery

OSSTEM IMPLANT
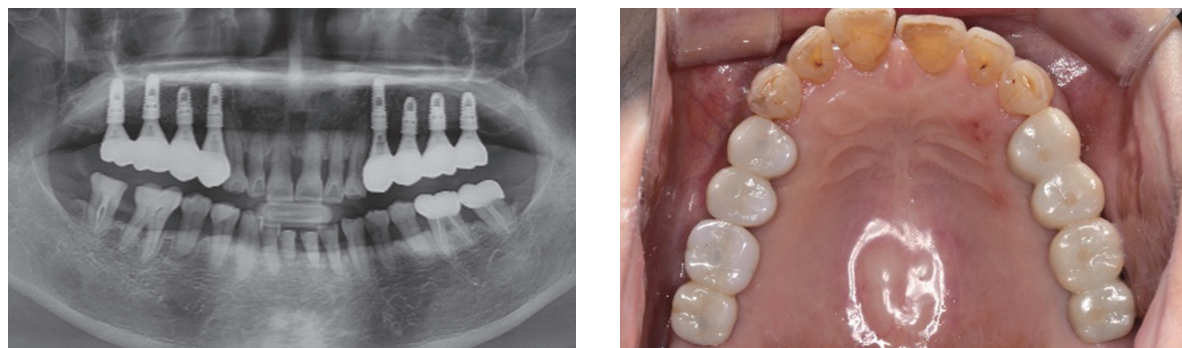
OneGuide

How Are the Results of Osstem OneGuide Surgery?

CASE. Maxillary incisors OneGuide surgery and prosthetic treatment on the day of extraction

Before surgery

Computer-based virtual surgical simulation

After surgery

OSSTEM IMPLANT
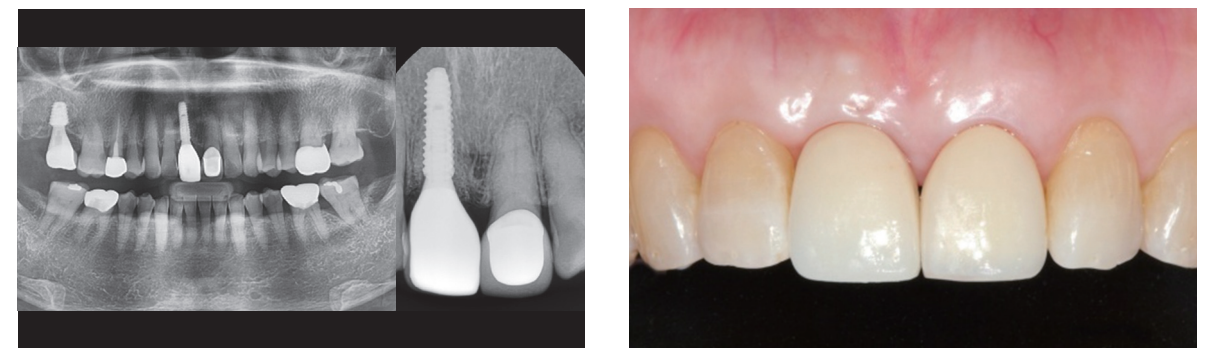
OneGuide

CASE. Damaged maxillary incisors OneGuide surgery and prosthetic treatment on the day of the extraction

Before surgery

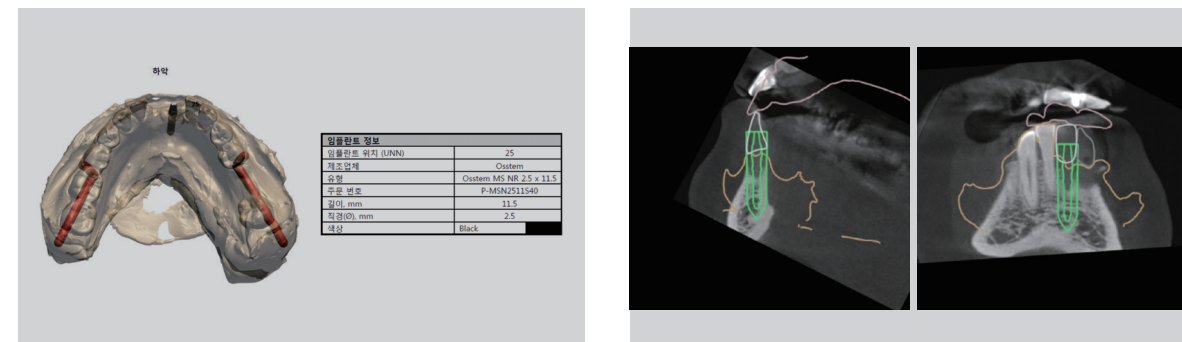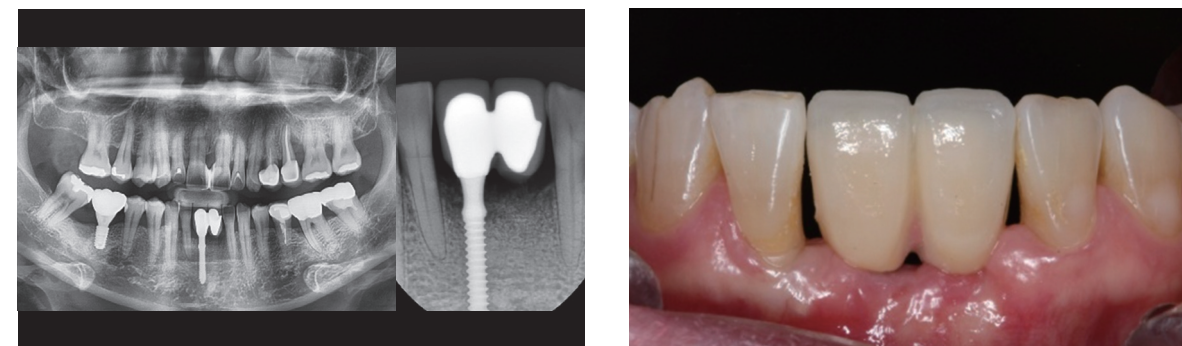Computer-based virtual surgical simulation

After surgery

OneGuide

CASE. Mandibular incisors OneGuide surgery and prosthetic treatment

Before surgery

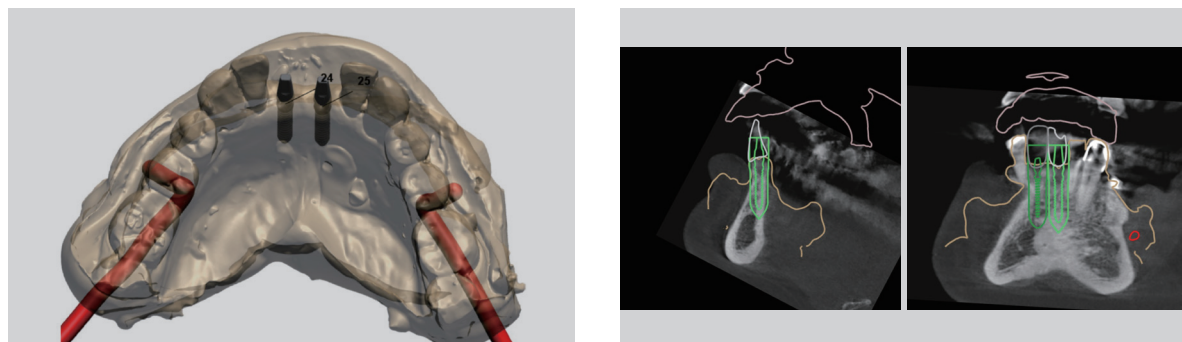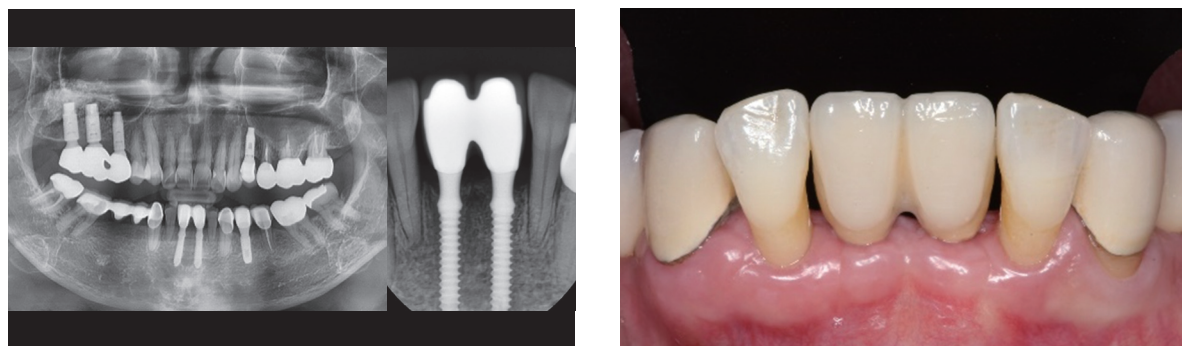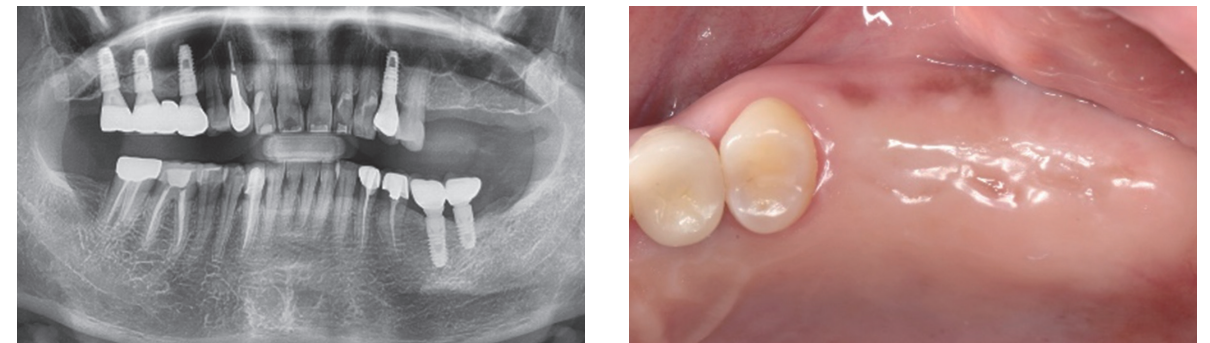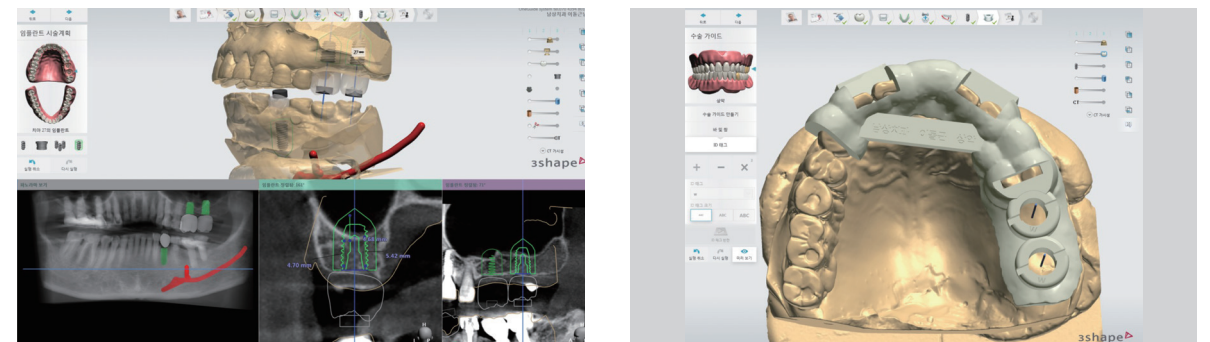Computer-based virtual surgical simulation

After surgery

OSSTEM IMPLANT

OSSTEM IMPLANT

OneGuide

CASE. Mandibular incisors
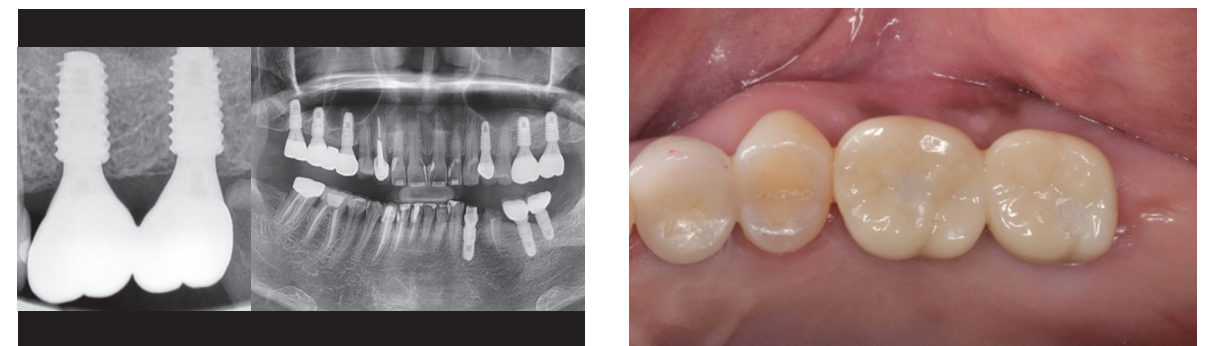## OneGuide surgery and prosthetic treatment

Before surgery

Computer-based virtual surgical simulation

After surgery

OSSTEM
IMPLANT

OneGuide

How Are the Results of Osstem OneGuide Surgery?

CASE. Partial loss of maxillary molars
OneGuide maxillary sinus lift surgery treatment

Before surgery

Computer-based virtual surgical simulation
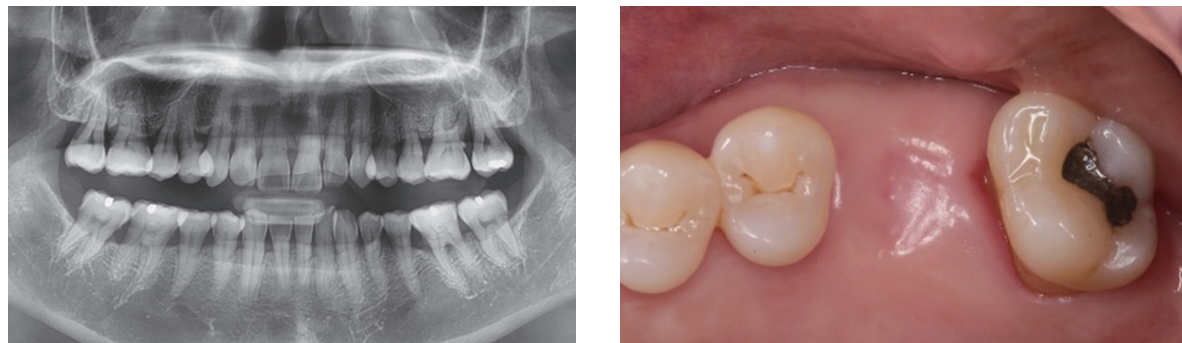

After surgery

OSSTEM
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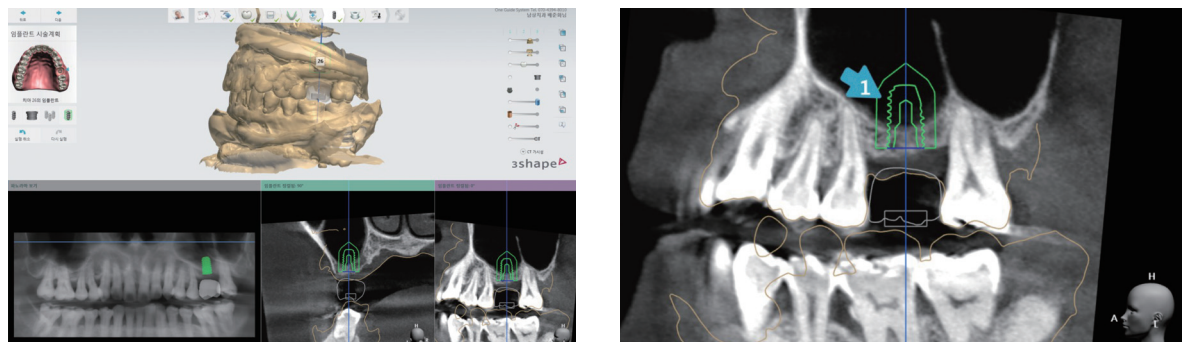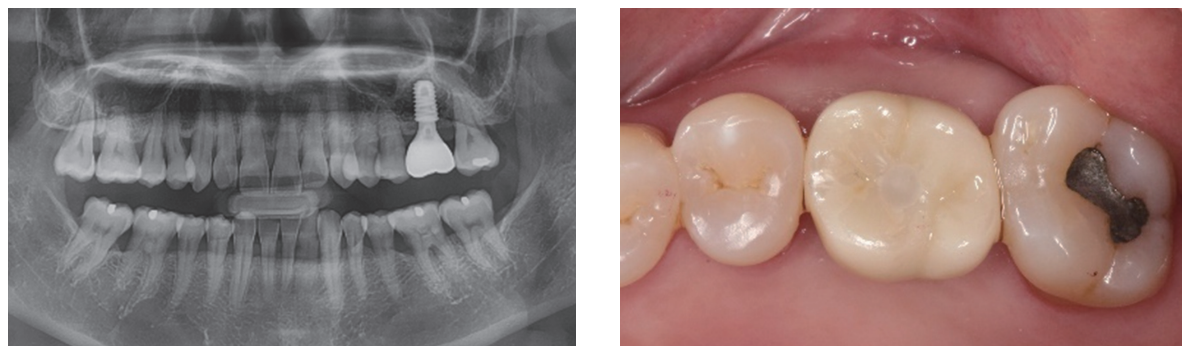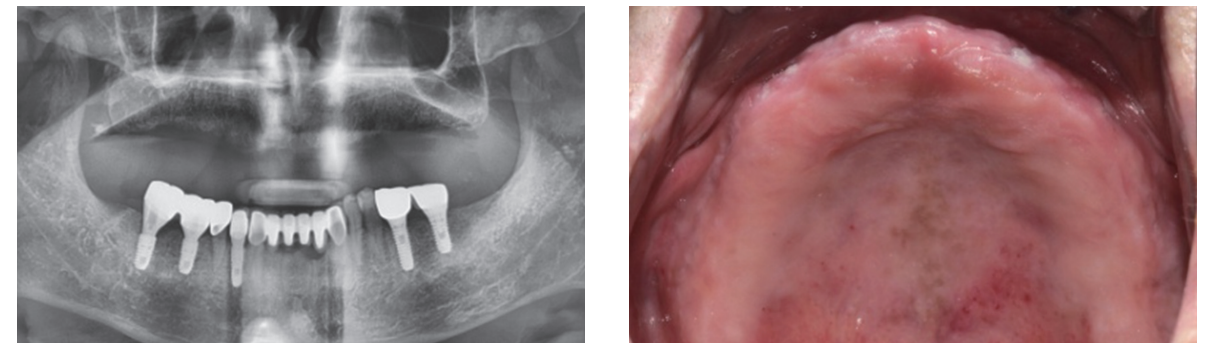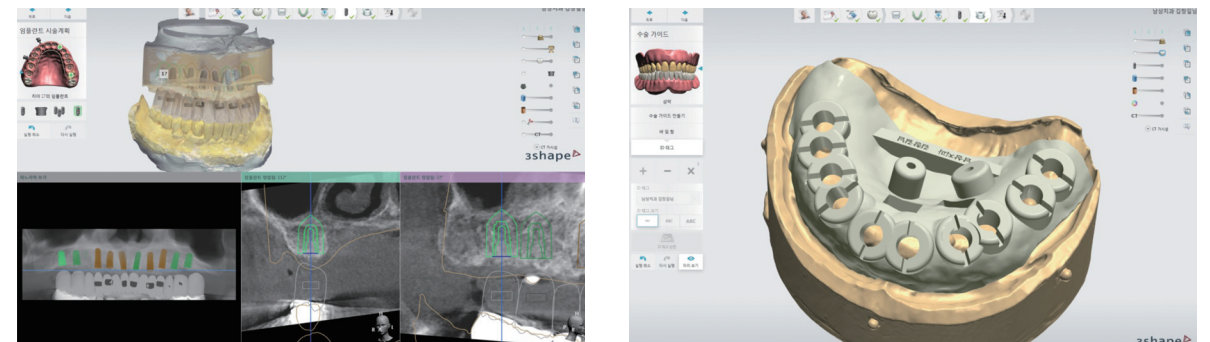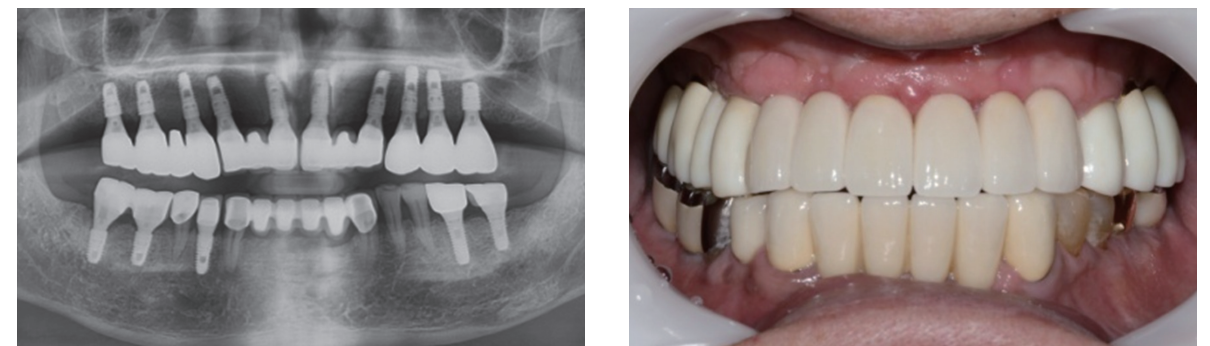# OneGuide

CASE. Partial loss of maxillary molars
OneGuide maxillary sinus lift surgery treatment

---- Before surgery ----

---- Computer-based virtual surgical simulation ----

---- After surgery ----

OSSTEM
IMPLANT

OneGuide

CASE. Maxillary edentulous patient OneGuide surgery
and temporary prosthetic treatment

---- Before surgery ----

---- Computer-based virtual surgical simulation ----

---- After surgery ----

OSSTEM
IMPLANT

OneGuide

CASE. Partial loss of mandibular molars
OneGuide surgery and prosthetic treatment

Before surgery

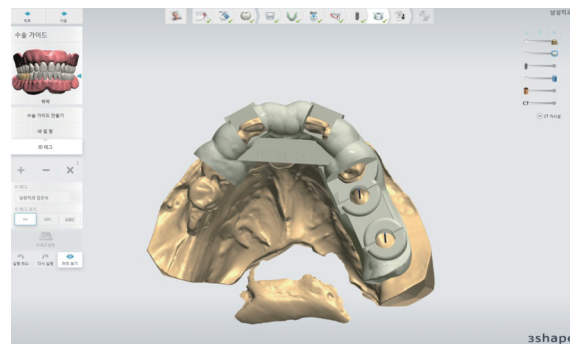Computer-based virtual surgical simulation

After surgery

OSSTEM
IMPLANT

OneGuide
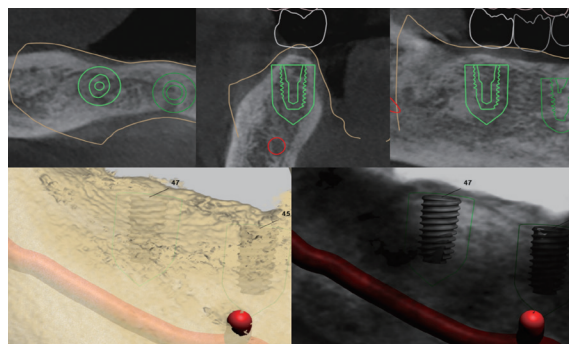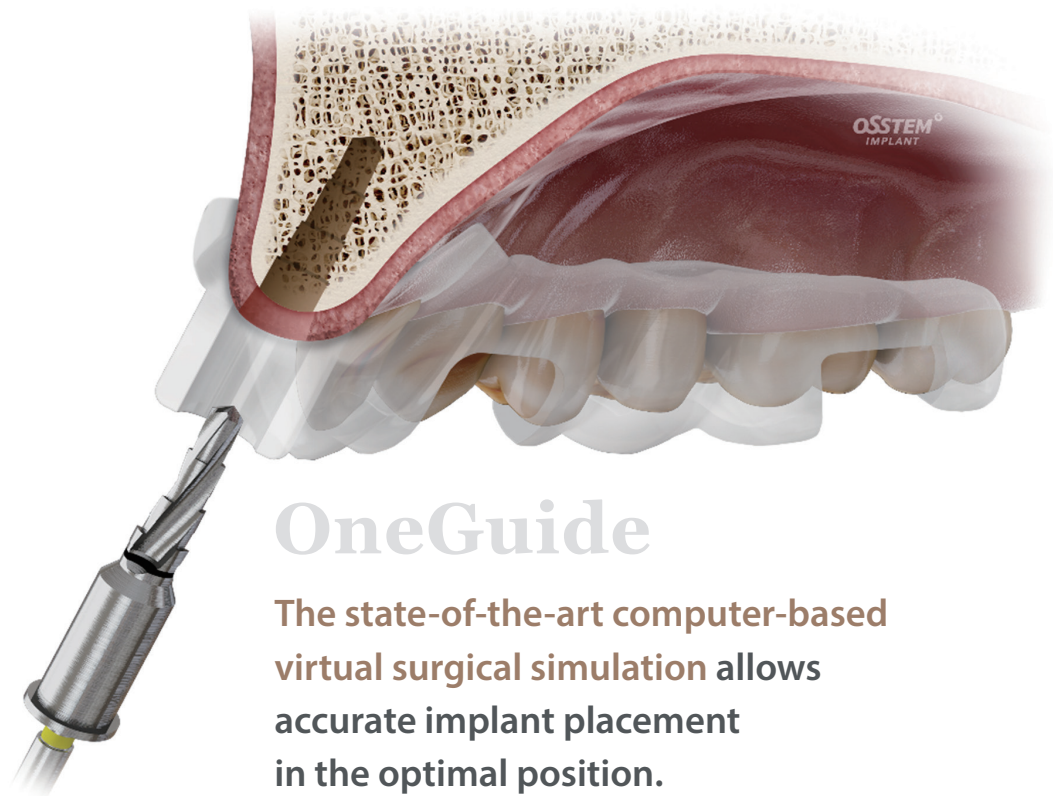
The state-of-the-art computer-based virtual surgical simulation allows accurate implant placement in the optimal position.

It enables safe and **fast surgery with long-lasting** prosthesis.