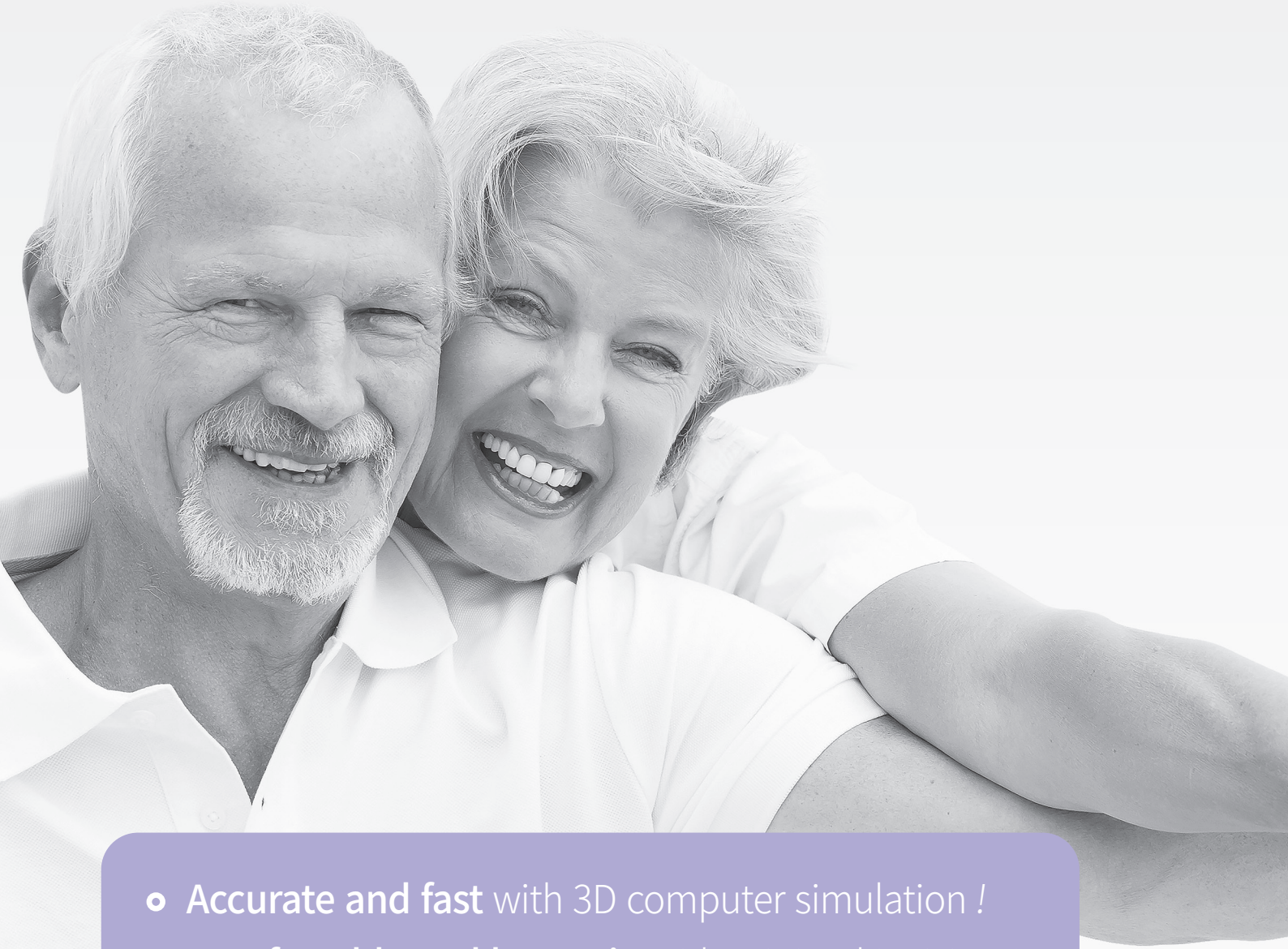
DIO Full Arch navi.

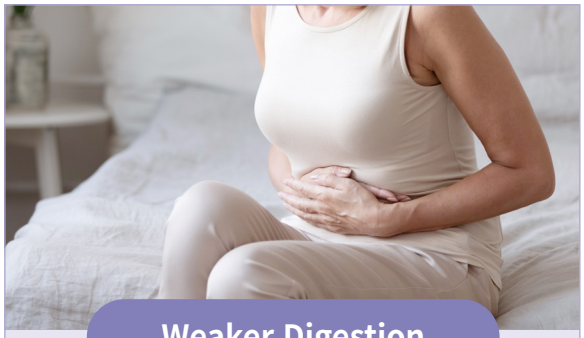
Bring back your bright smile with the **DIOnavi. Full Arch**



- **Accurate and fast** with 3D computer simulation *!*
- **Comfortable and less pain** with minimal incision *!*
- **Less burden of treatment** with minimal implants *!*

DIOnavi. Full Arch

Problems with Missing Teeth

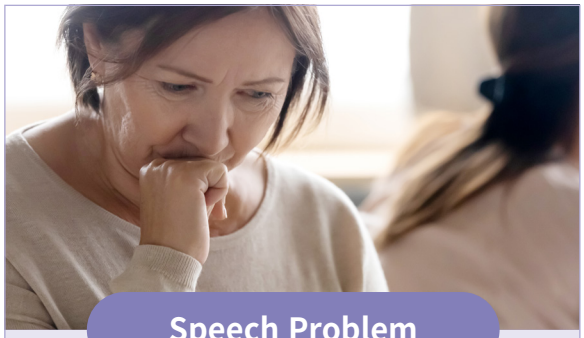


Weaker Digestion

Not chewing food properly leads to poor digestion

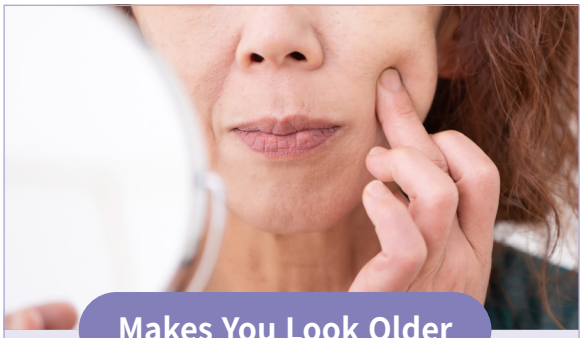
Malnutrition

A balanced intake of nutrition is difficult as the food that you can eat is limited



Speech Problem

It is difficult to communicate as you cannot command accurate pronunciation

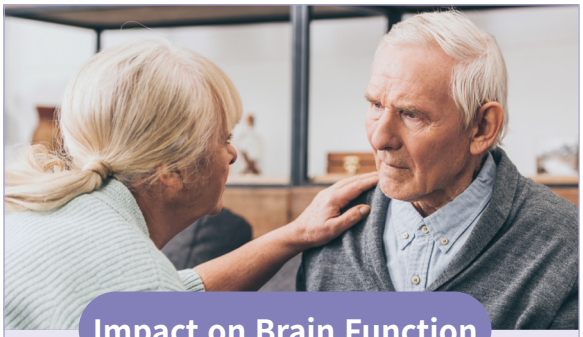


Makes You Look Older

You look much older than your age as the face changes due to loss of alveolar bone

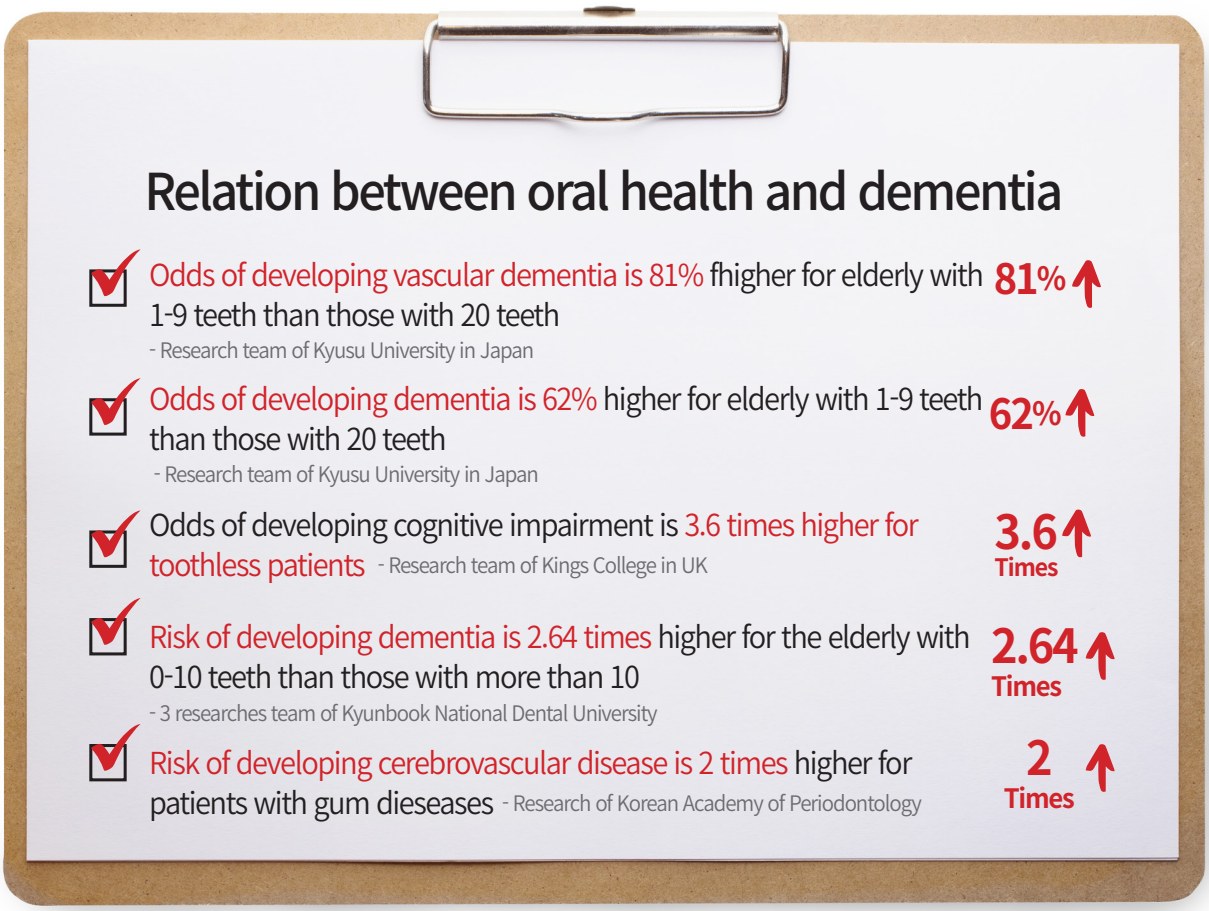
Depression

Affects your emotional well-being because of your inability to make a natural smile



Impact on Brain Function

Studies show weak mastication is associated with brain white matter change and increased chance of dementia



Influence of mastication discomfort on osteoarthritis disease

Survey results showed that a person with mastication discomfort has **1.44 times higher risk of the developing osteoarthritic disease** than a person without.
Mastication discomfort in adults over **50 is mostly caused by the loss of teeth**, the risk of loss of teeth is higher the more they feel stressed.

· Study target : Adults over 50 with mastication discomfort (3,297 people)
· Source : The Korean Society of Dental Hygiene Science, Dental Hygiene Department of Choonhae College of Health Sciences & Health Department of Daegu Haany University, 2015

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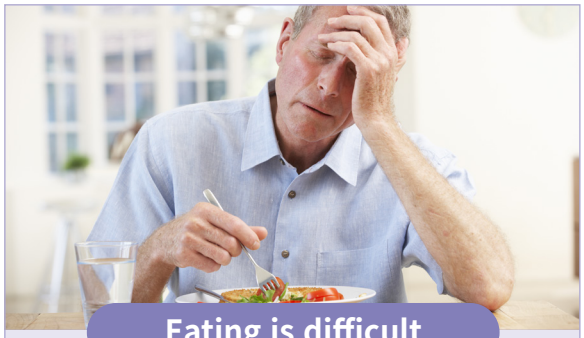
Problems created when using dentures



Eating is difficult

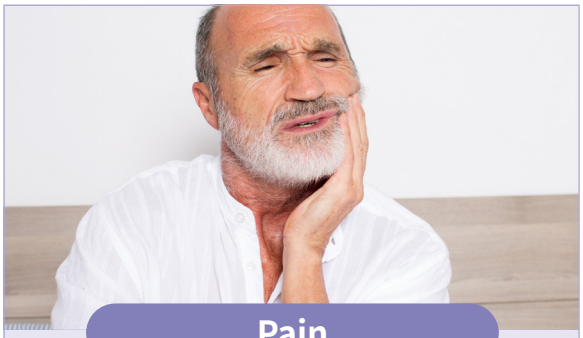
It is hard to chew tough and hard food as the dentures move inside the mouth.

Loss of appetite

Dentures that cover the roof of the mouth don't allow you to properly feel the taste.

Inconvenient

It is necessary to clean the dentures every time you eat and deformation and loss occur.



Pain

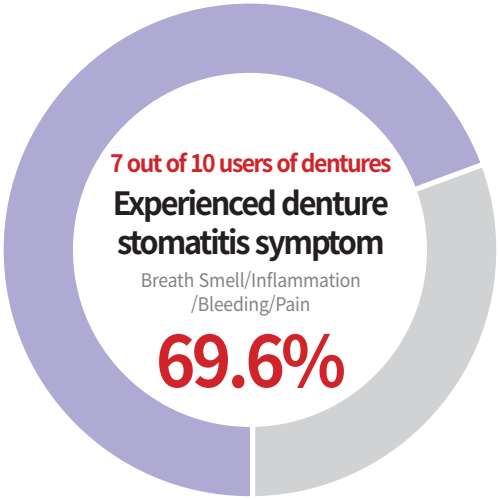
Dentures that cover also your gums generate pain especially when you chew.

Exposed to various diseases

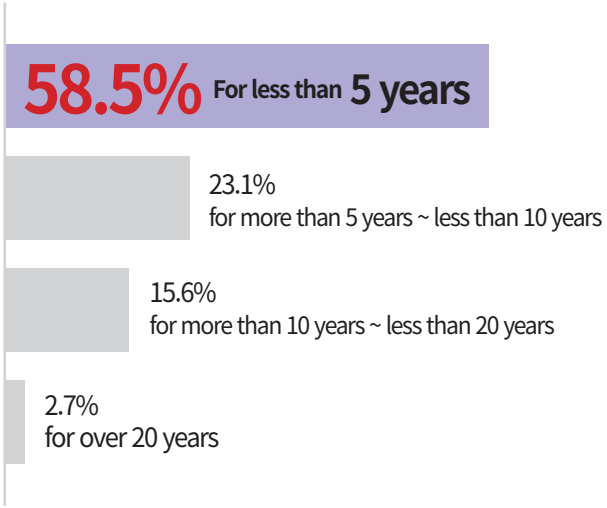
1. **Denture stomatitis :** If you wear ill-fitting dentures, there is a higher chance of gingivo-mucosal inflammation
2. **Oral Candidiasis :** A disease that proliferates on the oral mucosa as part of fungus
3. **Oral cancer :** Can be caused by leaving oral mucosa cut from dentures
4. **Pneumonia :** Wearing dentures during sleep causes pneumonia and also absorption or contracted jawbones

More than half of users of dentures are over 65, are they using the dentures properly?

People who experienced denture stomatitis symptom



Frequency of denture stomatitis occurrence by period of use of dentures



If you continue to use dentures that are poorly or not properly managed,

it increases the occurrence rate of bacterial infection and may deform the gums.

· Study target : Users of dentures (500 people)

· Source : The Korean Academy of Prosthodontics, invesitgation of actual condition of denture stomatitis management, 2015

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Types of treatment for edentulous patient.

1. Denture (Removable denture)

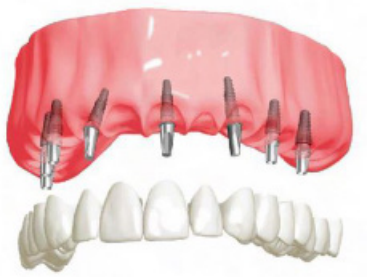
For patients who have lost all their teeth, dentures are used when implants cannot be placed due to poor gum conditions.

It is uncomfortable for the patient to remove and attach a removable prosthesis that is not fixed.

Dentures cannot preserve the gingival bone due to gradual bone resorption and therefore not a permanent treatment.

2. Overdenture (Implant supported denture)

Placing 2-4 implants and then fixing the dentures using the attachments.
Compared to the conventional dentures, overdentures have stronger retention, but the overdenture attachments eventually wear out over time, resulting in diminished snap retention and perceived looseness of the overdenture so periodic replacement of the attachment parts is required.



3. Full Mouth (Implant supported full bridge)

Place multiple implants and connect the prosthesis individually.

It is more stable than other prosthetic methods, but it can be performed only if the bone is sufficient due to the large number of implants.

However, the treatment cost is expensive.

4. Digital Full Arch

Place 4-6 implants and connect them with a one-piece prosthesis.

This process is the most advanced digital process.

It is stable and accurate seeing that the implant position is directed according to the patient's digital data(CBCT and intraoral scanner).

The structure of the prosthetic appliance raises its safety and effectiveness for prolonged use.

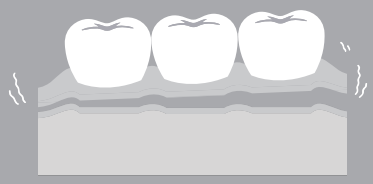
It is highly esthetic in restoring the smile line.

The treatment cost is reasonable with just an optimal number of implants.

Are you looking for the **treatment that works best** for you?

DIOnavi. Full Arch

Best suited for you.



Those who are worried about dentures that keep moving and fall

People with implant surgery phobia

Those who wish to secure a prosthesis on the day of transplantation

Those who want to enjoy favorite food again

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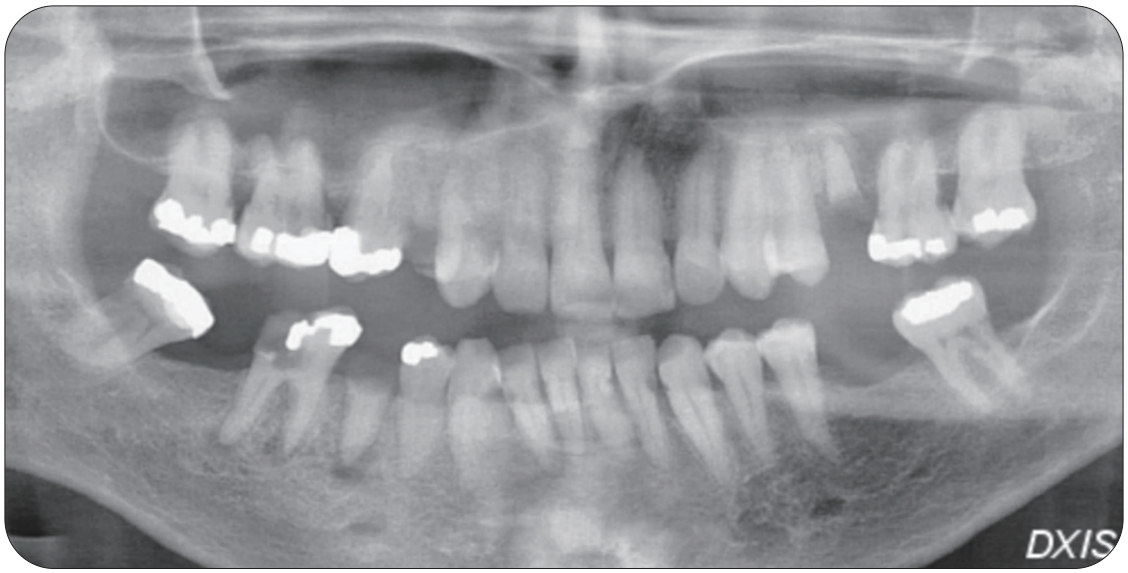
Accuracy.

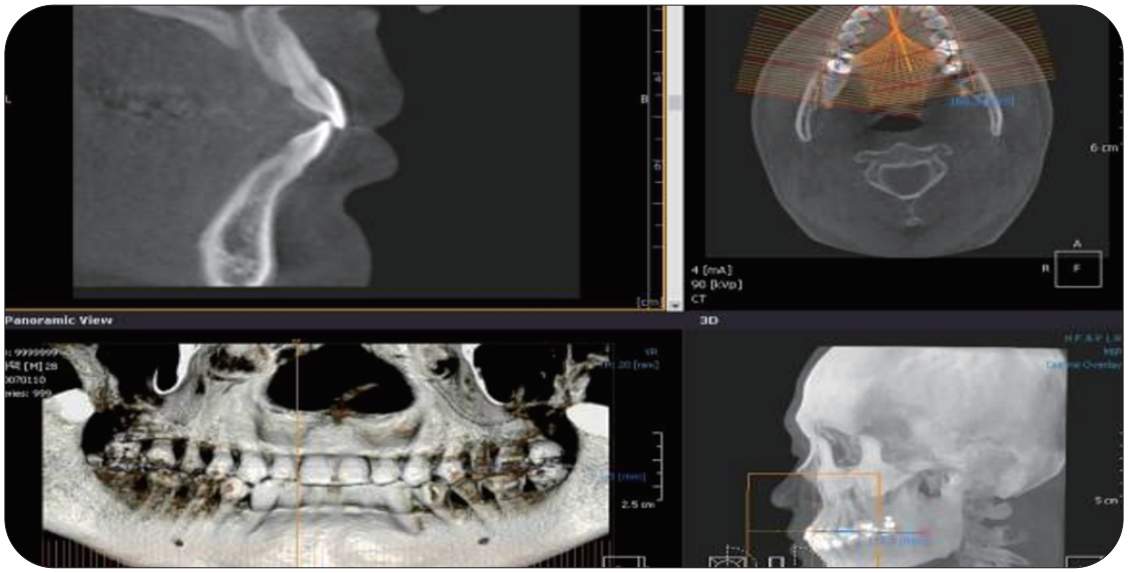
General Implant

2D panorama



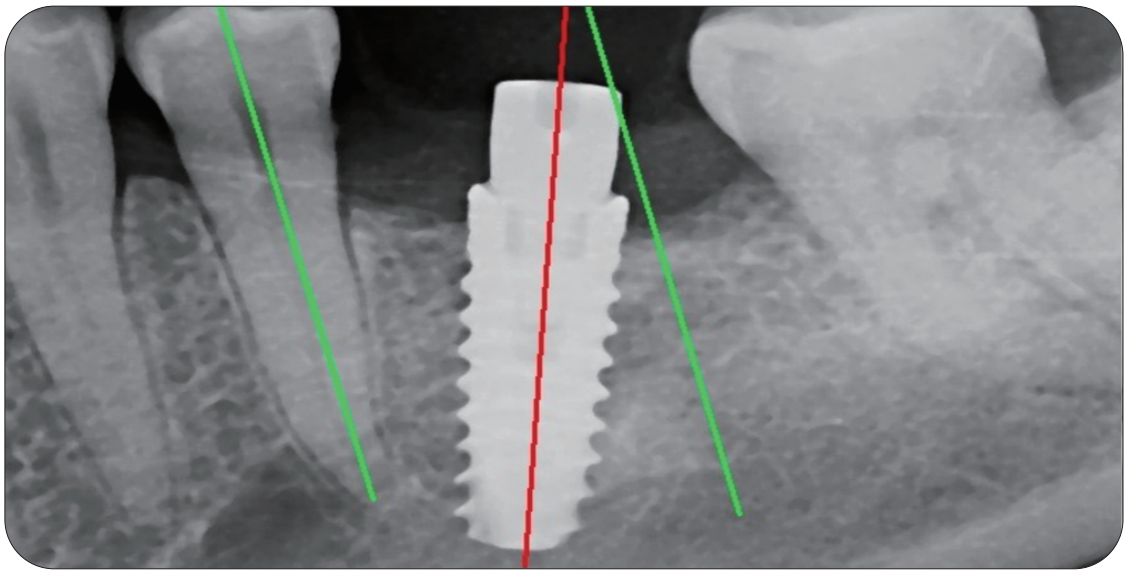
Digital Implant

3D CT



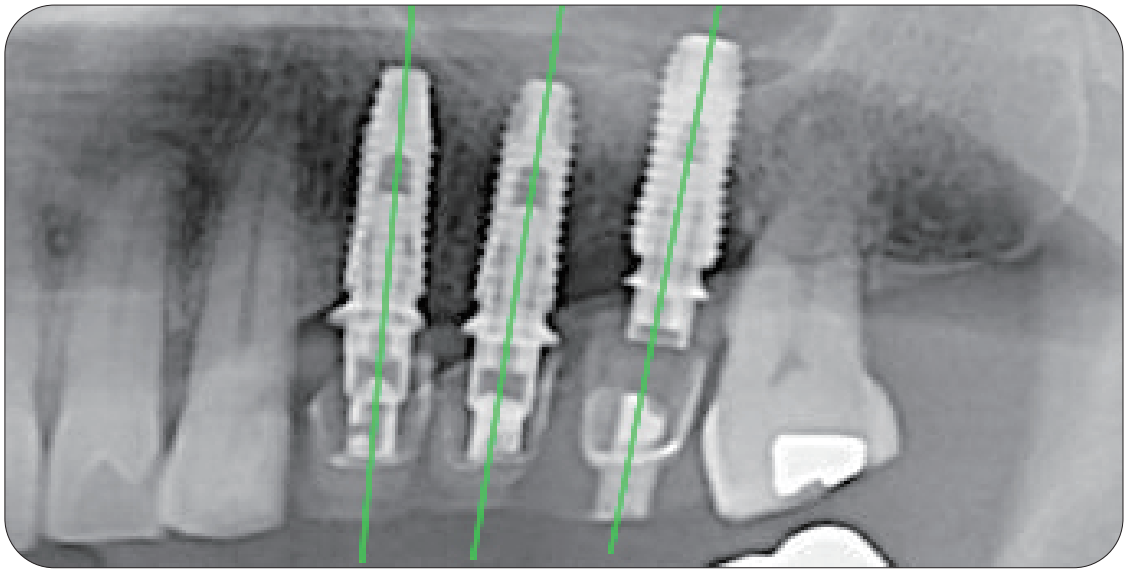
General Implant

In the case of incorrect implant positioning



Digital Implant

Accurate placement with digital implants



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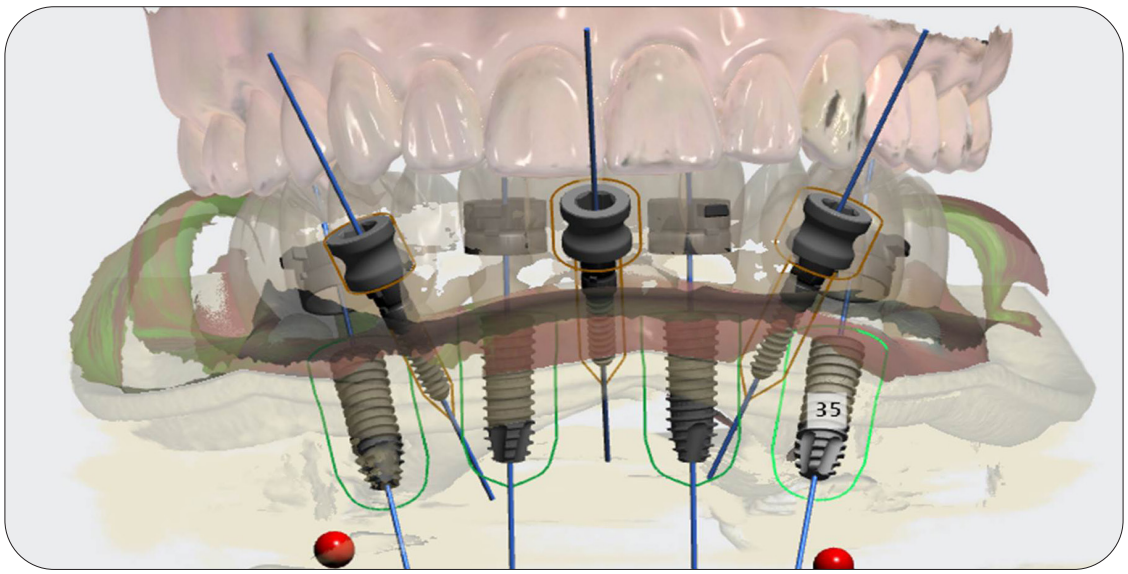
Safety.

General Implant

Treatment plan based on experience

Digital Implant

3D computer simulation



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Satisfaction.

Step 1.

Fabrication of the **customized temporary denture** using digitized stored patient oral data from dentures.

Step 2.

Adjusting and correcting the prosthesis in **the most comfortable condition for the patient** while using provisional bridge.

Step 3.

A final restoration with the most comfortable design for patients can be made*!*

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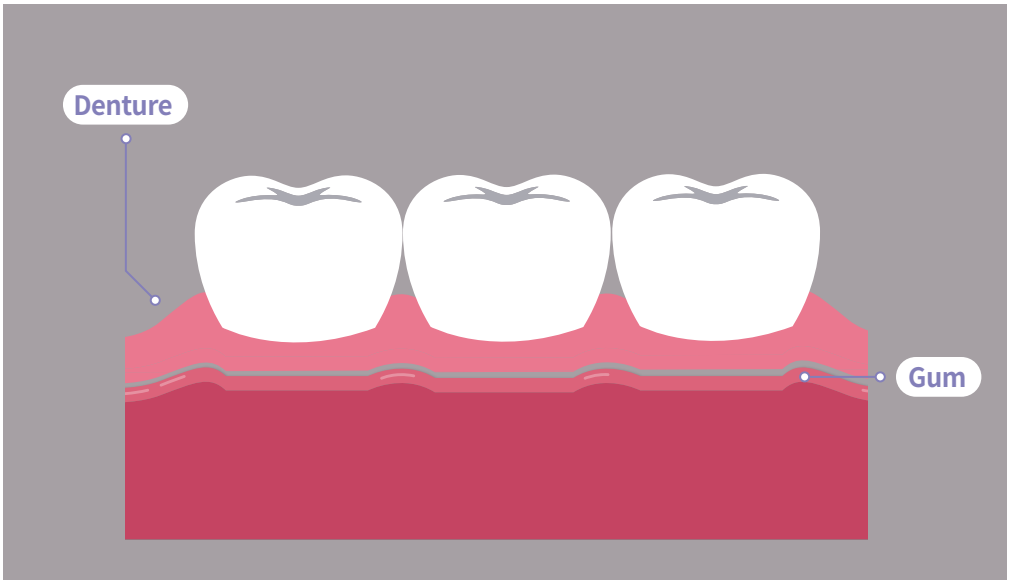
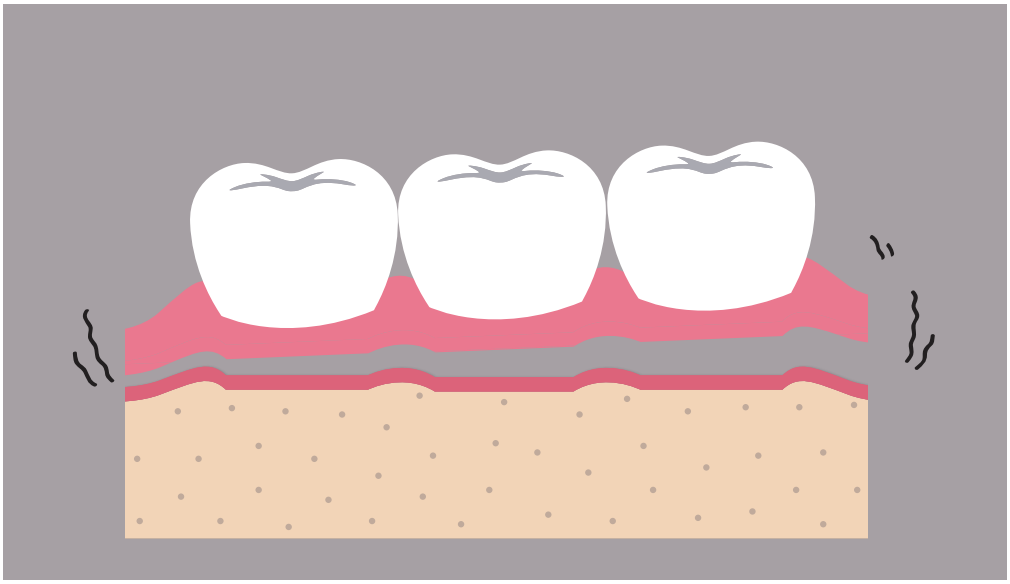
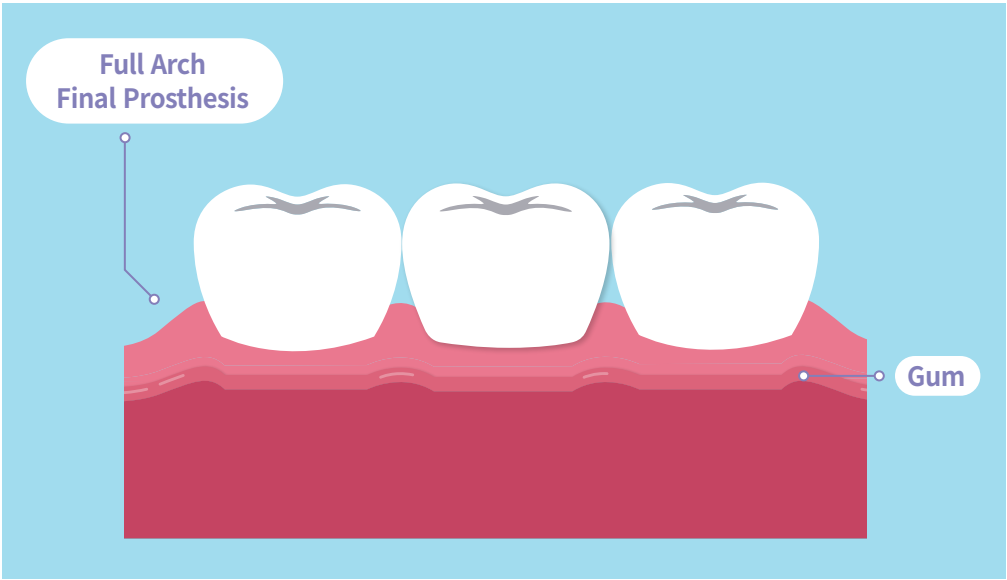
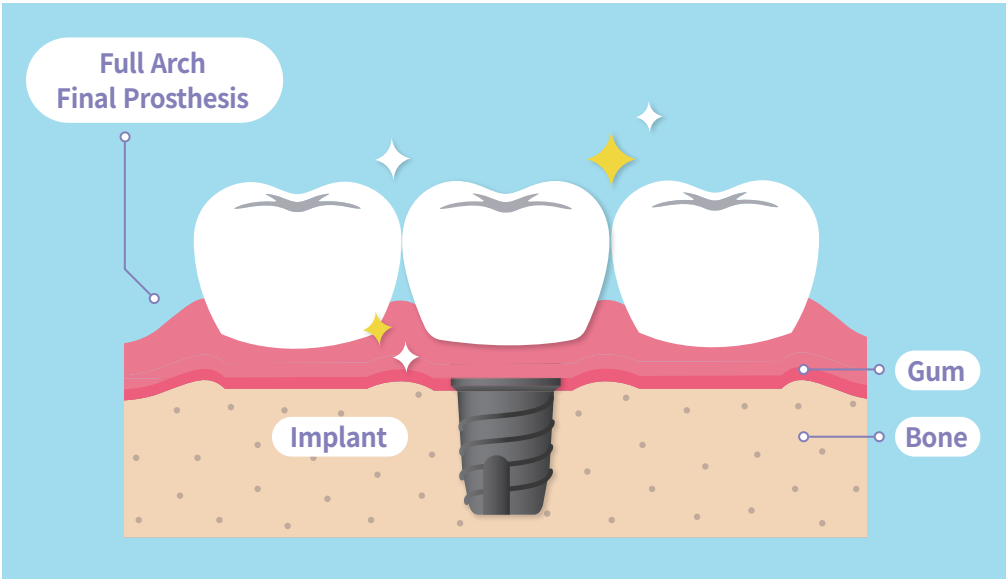
Natural.





Dentures
that are not fixed
and keep shaking





Full arch

like my natural teeth fixed with minimal implant placement

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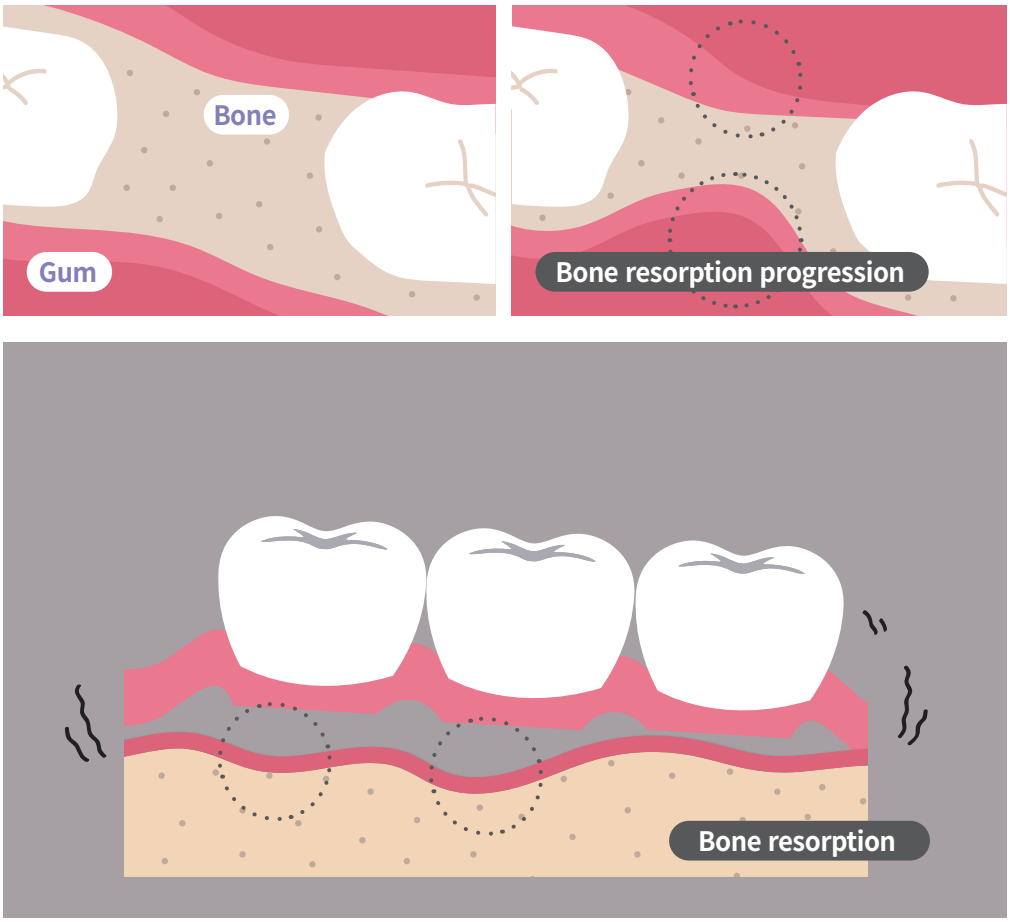
Durability.



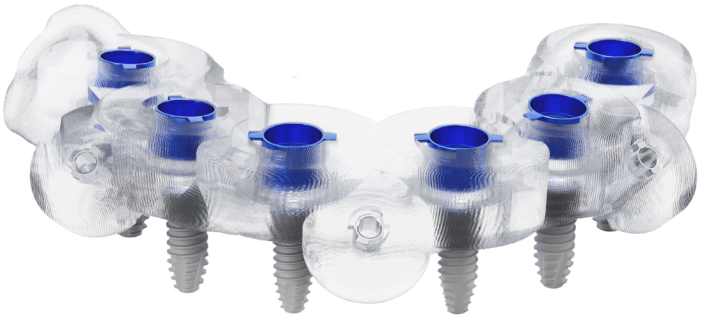
Dentures

that become loose due to
resorption of the bone

Hydrophilic implants
prevent gingival bone resorption

Digital oral diagnosis

3D guide treatment



Immediate placement of provisional bridge on the same day

Verification of the final procedure outcome

Digital oral diagnosis

3D guide treatment

Immediate placement of provisional bridge on the same day

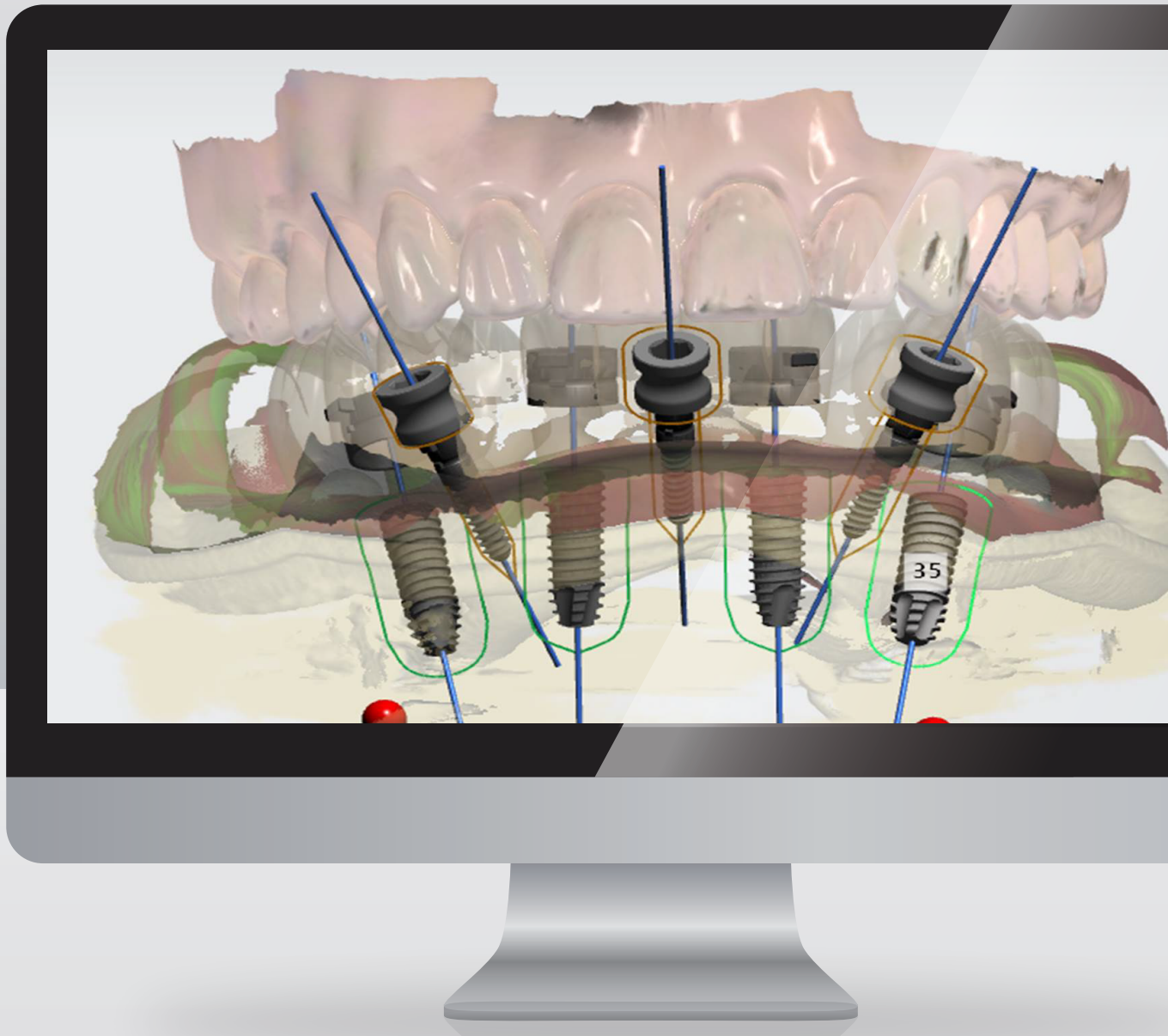
Digital final prosthetic closure

Full Arch DIO navi.

Full of Teeth, Full of Life.

Safe digital implant

with 3D computer simulation!



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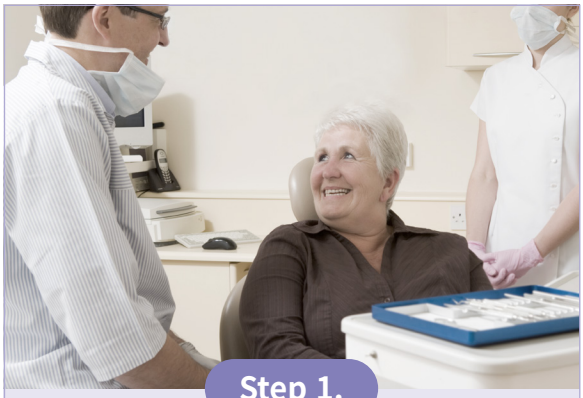
Planning.



Step 1.

1:1 consultation with the doctor
in charge before the procedure

Step 2.

Fast and accurate
DIOnavi. Full Arch procedure

Step 3.

On the day of the procedure,
provisional bridge are made

Step 4.

Wear
your fitted teeth

*There may be some differences in the procedure method depending on the individual oral condition.

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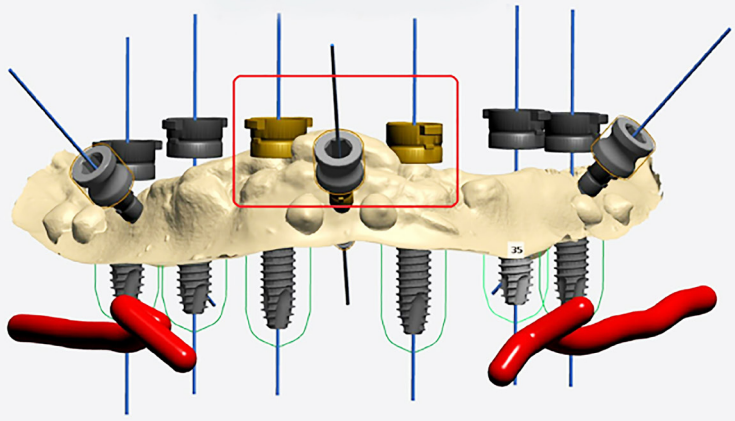
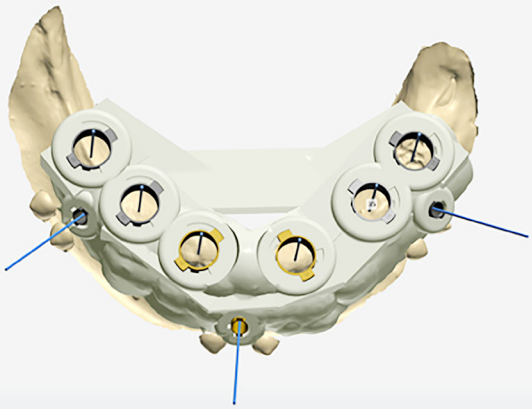
Treatment Case 01.

Before the procedure

3D simulation procedure



3D guide production



Pre-production of provisional bridge

Placing provisional bridge on on the day of the procedure

Final Restoration

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Treatment Case 02.

Before the procedure

Mandibular treatment completed / Temporary maxillary denture used

Complete upper and lower jaw treatment

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Treatment Case 03.

Before the procedure

Completed simultaneous upper and lower jaw treatment

DIO

DIO is the Future of Humanity

The ultimate value that DIO pursues is the advancement of dental technology for human happiness and health.