

Implant Treatment with 3D Dental Tomography

With the panoramic (2D) imaging technique, only the vertical size (height) and width of the bone can be calculated, and the thickness of the bone cannot be determined by this imaging. The possibility of improper application is high for implants to be applied without obtaining bone thickness.

However, in dental tomography (3D) images, as well as the height and depth obtained in panoramic imaging, bone thickness can be minimized in applications as it is obtained in imaging.

What are the Advantages of the All-on-4 Implant?

- A form of therapy with high success rate.
- Helps to prevent bone loss.
- Treatment and healing process are short and painless.
- Because the implant and prosthesis are performed on the same day, the patient does not have much distress.
- Ensures improvement in speech and chewing functions.
- Provides relief for patients who have difficulty in moving prosthesis.
- The patient's self-confidence increases with its aesthetic contribution.

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IMPLANT All-on-4

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What is Implant?
How are Dental Implants Made?
How long does the implant last?
What is All-on-4?
What are the Advantages of the All-on-4 Implant?
What is the Importance of Implant Treatment with 3D Dental Tomography?

What is an Implant?

Dental implants are screws made of titanium that mimic the natural tooth root. Dental implants should be made in order to eliminate tooth loss in areas where tooth loss occurs. With the use of dental implants, the mouth is restored as closest as possible to its natural state. Thus, there will be no need to cut the neighboring teeth. If you have missing teeth and you don't have a negative condition for implant construction, the most accurate procedure is implant application.

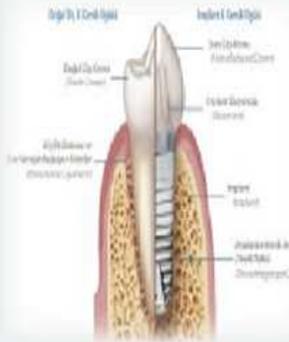
How Are Dental Implants Made?

Implant application is usually performed under surgery and under local anesthesia in consulting room conditions. One week after the operation, sutures put following operations are removed. After a usual waiting period of 3 months, depending on the quality of bone and implant, prosthesis construction can be started on the implants.



How Long Making an Implant Takes?

We are able to apply all implants (12-14 screw teeth) in one day even to completely toothless mouths with technological possibilities. In some cases, surgery application may be divided into several sessions, particularly in terms of patient comfort. Although it varies according to the case, the duration of 1 implant surgery is usually 15 minutes.



DENTSMILE Difference in Implant Treatment

- Closed surgery (seamless implant) as an alternative to open surgery,
- Free 3D tomographic three-dimensional imaging, as well as panoramic x-ray
- Implant planning in special computer programs,
- Alternative to screw implant prosthesis alternative / cementation,
- Personalized abutment design and production,
- Fixed temporary teeth immediately after implant
- One-stage implant alternative,
- Intraoral measurements taken with three-dimensional scanners,
- Three-dimensional tooth design in special programs,
- Production of dental infrastructure in CAD/CAM devices,
- Laser-assisted treatment when necessary,
- Different implant options.

First Examination and Treatment Planning in DENTSMILE

In DentSmile Examination for diagnosis and planning is free of charge

- First examination is done with the aim of diagnosis, treatment planning and preparation for treatment.
- X-rays required for diagnosis and treatment (panoramic x-ray, dental tomography if necessary) are taken. As dental tomography images, jaw and tooth structure in 3 dimensions, ensures the planning of the implant to be made healthily.
- Information about issues related to your treatment such as smoking habits, night tooth squeezing (bruxism) and tooth brushing habits is taken.
- All these information and x-rays with the help of the oral examination by the dentist is done, the bone thickness, length and quality of the region with missing teeth is determined.
- Conditions of the soft tissue and gums in the area of artificial tooth to be made are examined.
- After the examination of the area to be implanted in all respects, the dentist plans the implant treatment. In this planning where the implant placement, brand, length, diameter and placement angle are determined.
- The dentist provides information about the stages of treatment, duration, risks, possible complications and what the patient should be aware of.
- In conjunction with planning, the treatment fee is clarified, and the planning is given to the patient.



What is the All-on-4 Technique?

The All-on-4 technique is a treatment concept based on the fixation of the prosthesis with a total of 4-6 implants, which was developed in 2003 and applied to patients who could not use prostheses due to excessive bone loss. This treatment is highly successful clinical outcomes for edentulous patients, and patients begin to use a temporary prosthesis fixed the same day.

For Whom All-on-4 Technique May be Used?

This technique is recommended for patients who have lost all of their teeth or need to be withdrawn and who have no bone in the posterior regions of the jaws. It is very important for patients to have fixed teeth on the same day.

What are the stages of all-on-4 treatment?

Patients planned for all-on-4 treatment should first undergo a detailed clinical and radiological examination. Computed tomography (CT) measurements are made and appropriate planning is performed. The all-on-4 procedure consists of two steps: surgical and dental prosthesis procedures. On the day of treatment, 4 dental implants are placed on the same day and the temporary dental prosthesis is fixed on the dental implants. After 3 months, the patient is given permanent dental prostheses.

