

Patient brochure

# Dental implant

All information about dental implants briefly and concisely summarized



# Dear patients



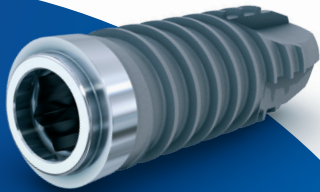
Unfortunately, healthy teeth cannot be taken for granted.

Age always plays a role – anyone can be affected by the loss of a tooth as a result of gum disease, tooth decay or due to an accident.

**Driven by science, not trends**, the Thommen Medical Implant System is based on a unique and proven design that has been optimized for clinical success for more than three decades. We

focus on a portfolio of proven solutions that ensure safety and reliability.

With this document, we want to tell you all you need to know about a dental implant clearly and concisely. Discuss your questions with your dentist.



# What is a dental implant?

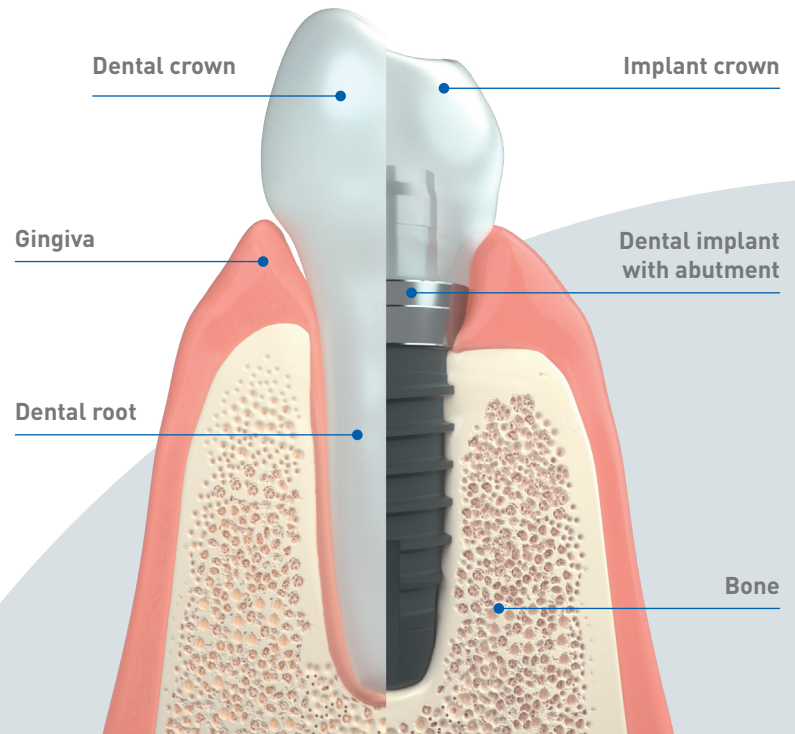


Implantology is now one of the standard therapies in dentistry and it is based on reliable, well-documented scientific findings.

The natural tooth consists of a tooth crown and a root. A dental implant is an artificial tooth root which is inserted directly into the jawbone under a local anesthetic to replace a tooth that has been lost with an implant crown attached to the implant.

## Advantages of dental implants

- Re-establish the function and esthetics of missing teeth
- Have a secure and strong retention
- Look as if they were your own teeth
- Preserve your own teeth
- Anchor the individually modeled dental crown



# Why are missing teeth replaced?



The loss of teeth can be restrictive in many ways. Gaps in the teeth lead to a deterioration in the overall dental situation and can also have a considerable effect on diet, speech, laughter, health and well-being. Missing teeth are replaced primarily for **functional, esthetic** and health **reasons**.

The choice of tooth replacement depends, most of all, on the number and position of the missing teeth, and the condition of the neighboring teeth. In addition to dental implants, the missing teeth can also be replaced by full removable dentures or fixed bridges.







## Functional reasons

Stability thanks to dental implants – speak better, chew more effectively.



## Esthetic reasons

Smile confidently – without limitations.



## Health reasons

Improved well-being – thanks to healthy teeth.

# Individual treatment concepts



Implant treatments are classified into two categories.

Talk to your dentist and together you will find the best solution for you.



## Fixed solutions

Placed by a dentist and can only be removed by a dentist.



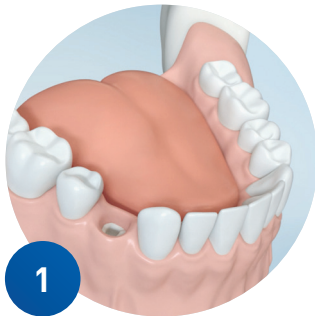
## Removable solutions

Can be inserted by the patient and removed for daily cleaning.

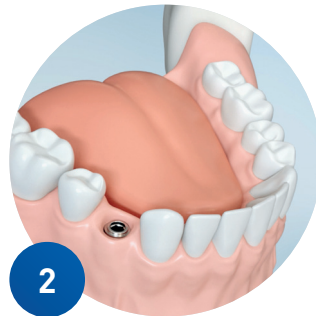
# Single tooth restoration

Treatment with dental implants is always an individual solution. If only one tooth is missing, the implant is inserted exactly in this site.

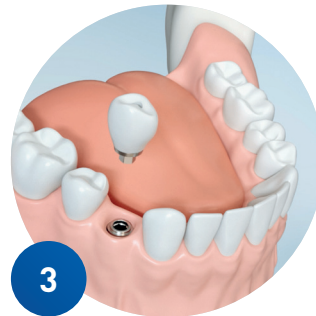
The dental crown is then adapted precisely to the esthetic requirements.



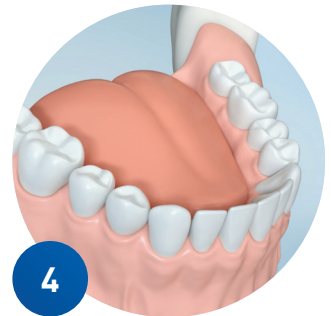
Initial situation:  
gap in teeth due to a single  
missing tooth.



The implant is inserted.



The implant crown is an-  
chored on the implant.



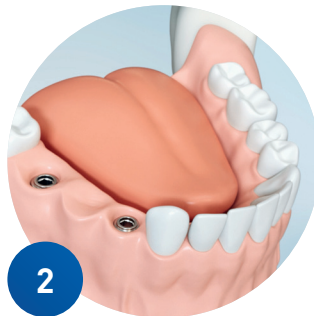
The final result after  
treatment.

# Replacement of several teeth

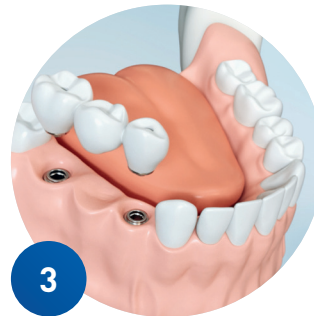
If several teeth are missing, implants can be used as columns for bridges. In this case, it is often not necessary to replace every missing tooth with an implant.



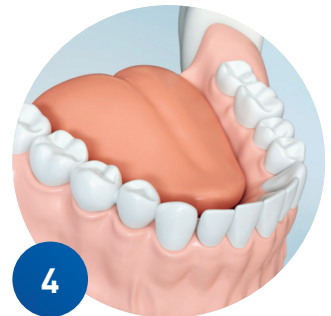
1  
Initial situation:  
Three missing teeth.



2  
Two implants are used as  
anchors.



3  
A bridge (consisting of three  
teeth) is anchored to the two  
inserted implants.

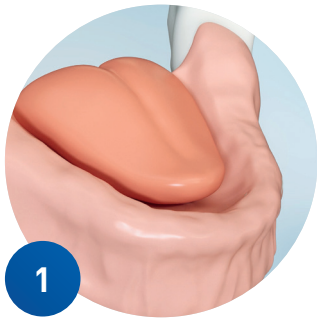


4  
The final result after  
treatment.

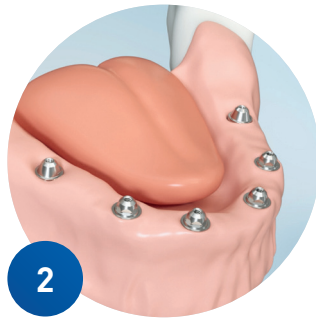


# Replacement of all teeth - Fixed denture

If all teeth need to be replaced, implants are also used as columns to ensure a firm fit for the denture.



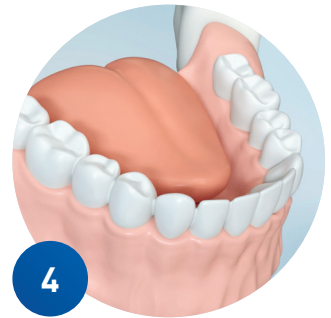
1  
Initial situation:  
All teeth are missing.



2  
The implants are placed in a way that offers optimal stability for the bridge. Abutments are anchored on the implants.



3  
A dentist permanently anchors the bridge to the abutments.

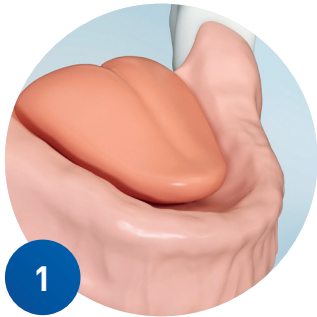


4  
The final result after treatment.

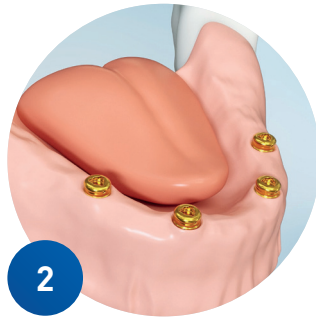
# Replacement of all teeth - Removable

In contrast to the fixed denture, the full denture can be removed by the patient. The implants are provided with a retention element, on which the prosthesis is held securely.

The patient can then remove the denture with little effort for daily cleaning.



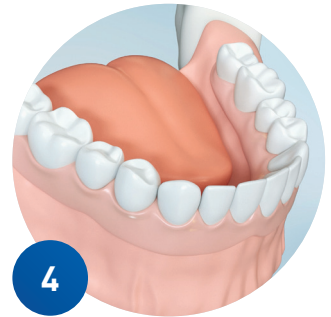
1  
Initial situation:  
All teeth are missing.



2  
The retention elements are  
used to provide the necessary  
stability for the implants.



3  
The patient can insert and  
remove the prosthesis on his/  
her own.



4  
The final result after  
treatment.

# Step by Step

## Implant therapy in overview

Only a few appointments are generally necessary for a restoration using dental implants. Each implant therapy includes the same steps, independent of the type of restoration.

1

Diagnosis



2

Pretreatment



3

Implantation



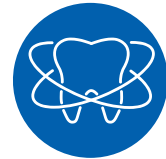
4

Insertion



5

Care



# 1. Diagnosis

A comprehensive consideration of the initial situation, your expectations and the potential treatment strategies are important for successful treatment. X-rays and impressions are also taken for this.

Any surgical procedure carries a potential risk; possible complications cannot be predicted. This is why an **extensive consultation and examination by the dentist is essential.**

The risks of a dental implantation can be assessed before the day of surgery, but not completely eliminated.

Poor oral hygiene or pre-existing diseases (e.g. osteoporosis, diabetes) can have an effect on wound healing.





- 1 Initial situation: x-ray
- 2 Analysis and planning
- 3a Impression of the oral situation: conventional
- 3b Impression of the oral situation: digital



2



3a



3b

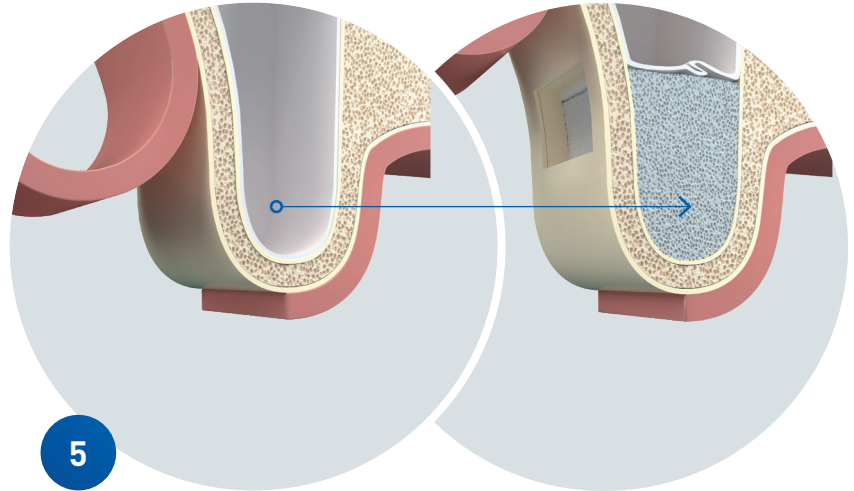


# 2. Pretreatment



Pretreatments before the implantation are necessary as a rule to ensure the long-term therapeutic success of an implant restoration.

- 4 Pretreatment
- 5 Exposure of the mucous membrane and bone augmentation, if required



# 3. Implantation



Implantology is now one of the standard therapies in dentistry and by using modern anesthetic and implantation methods implantation can be carried out quickly and gently. During the healing phase, natural contouring of the

gingiva can be achieved with the aid of a temporary restoration. Talk to your dentist and let him/her explain the biological processes to you and what needs to be considered before and after implantation.

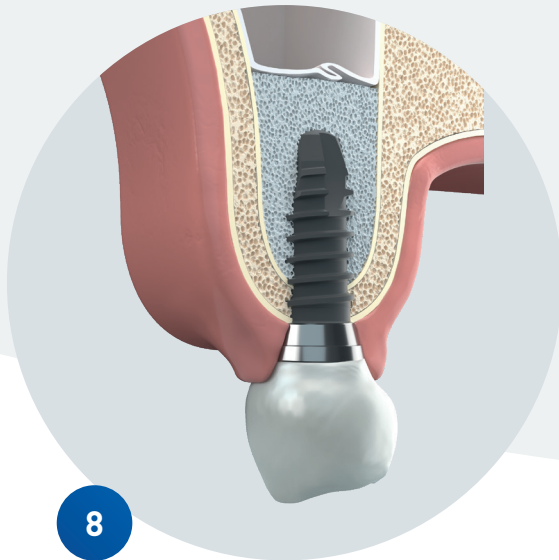


- 6 Implant insertion
- 7 Shaping the gum with the assistance of temporary restoration

# 4. Insertion



Over a certain period of time the dental implant becomes integrated with the bone (osseointegration) and creates a strong bond between the implant and the bone. The temporary restoration is then replaced by the permanent restoration.



8

8 The temporary restoration is replaced by the permanent dental crown

# 5. Care



Conscientious and thorough oral hygiene, regular, professional dental cleaning and check-ups carried out by the dentist are decisive factors for the long-term success of an implant restoration. Consult your dentist for detailed advice on this.



9

9 Follow-up visit and care

# What can you expect as a patient?

Patient safety is our top priority at Thommen Medical. Working in collaboration with international leading dentists and well-respected academic institutions, we are developing innovative products with the objective of achieving excellent clinical results.



## Advantages at a glance

### Swiss made

Products of the highest quality which are made in our factory in Grenchen.

### Smart concept

You can rely on a scientific, well-documented product concept.

### Premium solutions

The Thommen Medical portfolio includes the whole range of optimal solutions.

### Customized for you

We can offer tailor-made solutions for you individual requirements and financial situation.



# Thommen Medical

Driven by science, not trends

Also, after more than 35 years of clinical experience and working in close collaboration with international leading dentists, dental technicians and well-respected academic institutions in research and development, Thommen Medical is continuing towards its objective that every patient should have access to the best dental restoration solutions available.

Dentists and dental technicians choose the Thommen Medical implant system because they place great value on quality and they care about your oral health. Thommen products are manufactured in Switzerland to the highest quality standards and can offer an improved quality of life – a whole life long.

**Talk with your dentist and check together to find the best solution for you. Let them explain the biological processes to you and what needs to be considered before and after implantation.**

**Take a picture of the products and learn even more about the subject of dental implants:**



Scan the QR code for:  
[thommenmedical.com](http://thommenmedical.com)

## **Disclaimer**

This patient information is a simplified description and is intended for consultation and explanation and makes no claim to be a teaching aid for dentists or dental professionals.

**Your dentist**

Driven by science, not trends.