Safety and esthetics
with CAMLOG® dental implants
Your smile – your personal calling card.

Only when we lose something do we realize its true value. This also applies to our teeth. Their loss – for whatever reason – is usually experienced as a drastic incursion in our life. Only then does it become painfully clear how important teeth are for maintaining our own personal charisma. Teeth represent an immediately recognizable calling card. However, it doesn’t just stop there. Charisma and appearance are regarded today as essential components for an individual’s social competence. There are obvious and indeed proven correlations with private and professional success. Teeth are perceived as an integral component of an esthetic and harmonious facial expression. Healthy and beautiful teeth radiate vitality, self-assertion, likeability, and attractiveness.

Maintenance of an accustomed lifestyle when eating, smiling, and kissing is possible if implants are used after teeth are lost. What makes more sense than to anchor new roots into the jaw? The bone grows tightly together with them so that a situation that is as natural as possible can be established. Modern implantology can now help you achieve durable new teeth, that feel as if they were your own, and thus bring back your self-confidence and high spirits in a relatively short period of time. The way this is done and the situations where dental implants represent a good solution are explained on the next pages.

Dear patient,

This brochure is designed to provide you with the most important information about dental implants. After reading it, you can discuss your individual treatment requirements with your doctor in detail. We hope that this helps you and wish you all the best for the future.
Losing teeth –
getting teeth back.

Even though we can’t show anybody our teeth at the start of our lives, they are already there, and during the course of life, they have to do a lot of work, which does of course leave its traces. Tooth loss can affect people of every age: when playing or doing sports, or if one suffers caries or gum loss (periodontosis/periodontitis). Inadequate care and bad nutrition can also damage the teeth.

Those who lose teeth do of course want good replacements for them. These should be as natural as possible and should also reproduce the function of the dentition as best as possible. Implants allow for an optimal solution for almost any individual situation. Three cases are described on pages 10 to 15.

After skeletal growth has been completed, dental implants can be used at almost every stage of life. Even great age is rarely a reason to refrain from having an implant. The most important prerequisites are an adequate volume of bone, normal wound healing conditions, good bone quality, and sufficient oral hygiene.
Medically mostly the better solution – implants.

Healthy neighboring teeth and the jawbone can be impaired by conventional tooth replacements such as bridges and prostheses. In fact, the bone substance only remains preserved if it is naturally loaded. This occurs via the root through which the tooth is anchored in the bone. Tooth roots can be imagined as deep-lying roots of a tree or as foundation pillars for a bridge. If a tooth root goes missing, the jawbone is no longer naturally loaded and resorbs slowly. Many of us know the consequences of this from bitter experience: neighboring teeth or dentures can become overloaded in the long run and loosen so that other teeth can also disappear. Partial and full prostheses remain as foreign bodies, cause pressure points and reduce taste as well as tactile and temperature perception. This means that the prostheses have to be continually readapted, entailing also insecurity when speaking, smiling and eating.

Such problems can be prevented with implants. Therefore, it is not surprising that several million implants are placed worldwide every year, ranging from single teeth to restorations for entire jaws. The demand for this form of modern dentistry, which has now been available for more than 30 years, is increasing continuously. Although implants are for the short term more costly, in the long run, they certainly represent the more beneficial solution over conventional prosthetic treatments.
What exactly is an implant?

CAMLOG® implants consist of commercially pure titanium. This biologically compatible material is very tissue-friendly and has been long proven in medical technology. Three components, i.e., the implant, the abutment and the holding screw, are combined with one another. Put together, the entire construction is about two centimeters long. Different sizes and forms allow your doctor to find the best solution for every indication. On the right, you can see a magnified sectional view of a CAMLOG® implant with its abutment and crown.

If your dentist does not carry out surgery himself/herself, he/she will refer you to a specialist. Your dentist will then take over the further treatment as usual, from taking the impression right up until inserting the restoration, and will also carry out regular check-ups. For illustrative purposes, we shall in the following explain some situations that are often encountered.

Quality and safety

“Made in Germany”:
The CAMLOG® implant system is a product of the findings from modern research and development, long-standing years of clinical and laboratory experience and state-of-the-art production technology.
How an implantation takes place.

Under local anesthesia, your doctor prepares a precisely fitting cavity for the root-shaped screw (implant) in the jaw using a special drill (figures 1 and 2) before the screw (implant) is inserted (figure 3).

The bone stabilizes the implant, and after approximately three to six months, the bone and the implant have grown together.

When the healing phase is completed, the dentist inserts the abutment into the implant, fits the crown and connects it firmly to the abutment (figure 4).
You are missing one tooth.

If you have lost a single tooth, the resulting gap can be closed using an implant with an abutment. No healthy neighboring tooth is required for this process nor does it need to be prepared as a supporting post.

An implant is often the more esthetic solution compared to a conventional restoration. In addition, modern ceramic materials allow a perfect reproduction of natural teeth.

Often, a single-tooth implant is the better solution from an esthetic viewpoint.
Situation after tooth loss

Implant after healing

Implant restored with a crown
You are missing several teeth.

Smaller and larger gaps (edentulous spaces) can also be closed with implants. The implants then serve as supporting pillars for your fixed restoration in the form of a bridge.

A so-called free-end situation occurs if you lack several posterior teeth in the same row. Here, the implant is the best and only solution for a fixed restoration. Without implants, only a removable partial denture with all its disadvantages is possible. Mechanical holding elements such as clasps must be attached, that are esthetically unpleasing and impair the comfort of wearing the denture.

A free-end situation looks like this. The number of implants depend on the size of the gap, loading conditions and the state of your jaw.

Four single-tooth crowns on four implants
Situation after losing several teeth (edentulous space)

Two implants healed in

Three-unit bridge on two implants
All your teeth are missing.

Even if you have lost all your teeth, you do not need to settle for a full denture. In this situation, your dentist can offer you a solution with dental implants, a fixed or a removable reconstruction in the upper and lower jaw.

Many persons wearing dentures complain about the bad seating of their prostheses and painful pressure spots. Adhesives or mechanical aids do not solve such problems permanently and satisfactorily. Implants may help create relief here, depending on the circumstances and your desires. Wearing comfort can considerably increase with the number of implants, right up to an implant-borne prosthesis.
Anchoring of the prosthesis to telescope crowns

Anchoring of the prosthesis to a bar construction

Anchoring of the prosthesis to ball abutments

An implant-borne, removable prosthesis
Like naturally grown teeth – it doesn’t take that long.

Obviously, only rough estimates can be made as to the duration of a planned treatment. This depends largely on the individual circumstances and your requirements.

The following figure that reports on expected treatment times only describes average values. Under certain circumstances, these times can be exceeded, such as when your bone needs to be built up prior to implant placement.

A number of different options are available today to build up your bone. What you and your dentist/doctor choose will depend on what suits you best. In some cases, bone material is taken from a suitable site in your body (jaw, pelvis) before it is transplanted into your jaw where it will perfectly integrate over time. In other cases, bone substitute material is more adequate. Combinations are also feasible. Bone substitute material is placed on the existing bone and grows together to form a stable foundation for the implant. In the upper jaw, one can slightly elevate the mucosa of the maxillary sinus and fill the cavity with bone (substitute) material. This procedure is known as sinus floor elevation or sinus lifting, and is often applied.
The timetable for a CAMLOG® dental implant treatment might look like this:

**1 month:**
Planning and preparation

Insertion of the implant

**3 to 6 months:**
Healing time of the implant

Beginning of the prosthetic treatment

**1 month:**
Fabrication of the restoration in the dental laboratory

**Insertion of the final prosthetic restoration.**

CAMLOG® SCREW-LINE implant in its original size.

Under certain circumstances, the treatment may be shorter or longer. Speak openly with your implantologist about your health state and about your personal habits. Only then can he/she advise you correctly.
Healing takes time and energy.

In order to ensure that bone grows as quickly and naturally as possible to the implant, rest and patience are particularly important, since every healing process after an operation needs time. Healing time depends on factors such as bone quality and quantity. Your doctor will inform you of the correct behavior during this healing phase. Particularly in the first days after the operation, you should avoid everything that might stress the implant site:

- Ensure that you practice gentle, but effective oral hygiene. In this way, you can prevent bacterial infections from plaque, that can put the healing of your implant at risk.
- Do not chew any hard food.
- Refrain as far as possible from smoking and alcohol. Both hinder the healing process.
- Avoid severe physical strains.

Important for you:
After the insertion of your implant, no major impairments need to be expected and you do not usually need a doctor’s note to take time off work.
Good cooling prevents major swelling and ensures a more rapid healing.
Longevity: thanks to optimal care and regular check-ups.

An implant represents a valuable investment, that can entail great benefits to you. With proper care, you should be able to radiate a pleasant smile for your whole life. This has been confirmed in scientific studies. However, proper dental care is indispensable in order to enjoy the many benefits of your new teeth for a long time.

Bacteria proliferate and can lead to inflammation. Such inflammations represent a risk for retaining your implant. Thorough daily care using suitable cleaning aids is therefore of great importance. Your dental practice knows best about this and will provide you with further information.

In addition to optimal maintenance, at least two visits per year to your dentist are recommended. He/she will inspect your implants. You should also undergo professional tooth cleanings on a regular basis to remove persistent deposits.
Your dentist will be pleased to advise you.

Just as with any operation, a full consultation should be carried out before implantation. Your dentist must first obtain a precise overview of your oral status, your daily habits and of your state of health.

A detailed treatment and cost plan will inform you about the treatment phases and the costs associated with them. After talking with your dentist, you should inquire in advance whether your health insurance will assume the costs or subsidise your treatment.

Please, do not let your long-term perspective vanish before your eyes. Consider that when you make such an investment, your bone substance will be preserved, your tooth replacement will be fitted securely, you will be able to chew better and enjoy more comfort, you will be able to taste and perceive much better, and you will be able to socialize with others with self-confidence and smile without any worrying.
Our business: quality of life for you!

Implants are a high-quality and proven substitute for missing teeth. Only the best-trained and experienced specialists can offer you such a demanding treatment. CAMLOG supports your implantologist by offering training, live-surgery courses and comprehensive consultation. If you wish any additional information, visit us at www.camlog.com