

Operating surgeon (stamp)

Innovative Solutions x Established Workflow

Your benefits

- Our innovative, modern and anatomically inspired design allows for more post-operative jaw movements
- A prosthesis based on the individual CT scan of the patient, already checked for perfect fit following, production allows for best possible 3D precision fit and high degree design freedom
- The new combination of proven materials in a new way leads to fewer foreign body reactions, ideal gliding properties and high stability of the implant

This leaflet is for additional information only.
The advice of your doctor always takes precedence over the information in this leaflet.

If you have any further questions, please do not hesitate to contact the specialist staff in charge.

For additional information, please visit our website **www.klsmartin.com** or scan the QR-code:



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IPS Implants® TMJ Prosthesis

Patient information

www.klsmartin.com

The temporomandibular joint

The temporomandibular joint is a unique joint in the human body due to the complexity of its geometry, function, the structures involved and the influences acting on it.

If you are holding this patient information in your hands, it is likely that you have been struggling with a temporomandibular joint disorder for some time and are due to receive a long-term joint replacement – a prosthesis.

Why would a prosthesis be recommended?

Your temporomandibular joint is essential for basic functions such as chewing, speaking and swallowing.

Surgical replacement can lead to long-term pain relief and restoration of these functions. An untreated disorder can also impair functionality and lead to further complications.

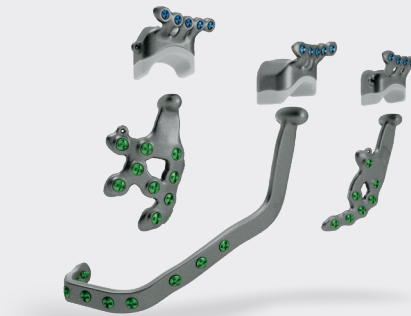
Reconstruction by a prosthesis is indicated for patients with severe temporomandibular disorders (TMD), which may be associated with functional limitations of the masticatory system, restricted jaw opening or pain in the temporomandibular joint.

For example:

- Arthritis
- Ankylosis
- Trauma
- Congenital anomalies
- Malformation
- Tumors
- Loss of temporomandibular joint structures

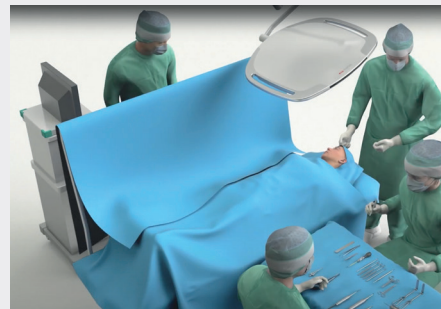
What will my prosthesis look like?

Below you will find three examples of temporomandibular joint prostheses, which are custom-made for you and digitally tested for specific load scenarios.



How will the operation proceed?

In the following video you can follow the standard procedure of a temporomandibular joint reconstruction using a prosthesis.



<https://www.youtube.com/watch?v=jvvqCtMEg98>



Risk factors

The likelihood of side effects is influenced by certain risk factors. Your surgeon can discuss these with you specifically.

Such risk factors include:

- Previous open TMJ surgery
- Multiple previous/revision TMJ surgery
- Existing or recovered facial nerve injury
- History of high levels of chronic pain
- Psychological factors: psychosocial stress such as anxiety, depression or other psychological disorders
- Gender: Women have higher risk factors compared to men
- Smoking
- Systemic disease – inflammatory arthropathy/diabetes

Possible side effects

Complications can occur from any surgery.

Potential side effects may include:

- Loosening of the implant
- Breaking of the implant
- Material sensitivity or allergic reactions
- Qualitative and/or quantitative impairment of the hard and/or soft tissue e.g. abnormal formation of bone tissue in soft tissue, bone fusion around the new joint, injury affecting facial movement or facial sensation
- Infections e.g. infection of the prosthesis
- Wound-healing disorders
- Dislocation of the joint, e.g. causing bite disturbance
- Persistent (chronic) pain