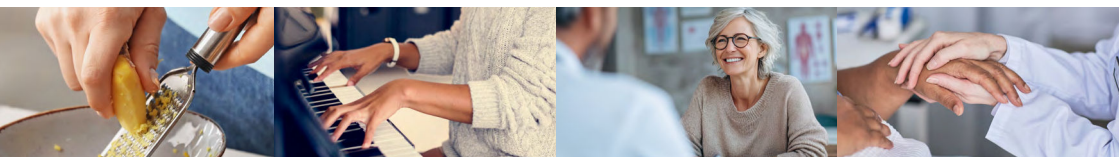
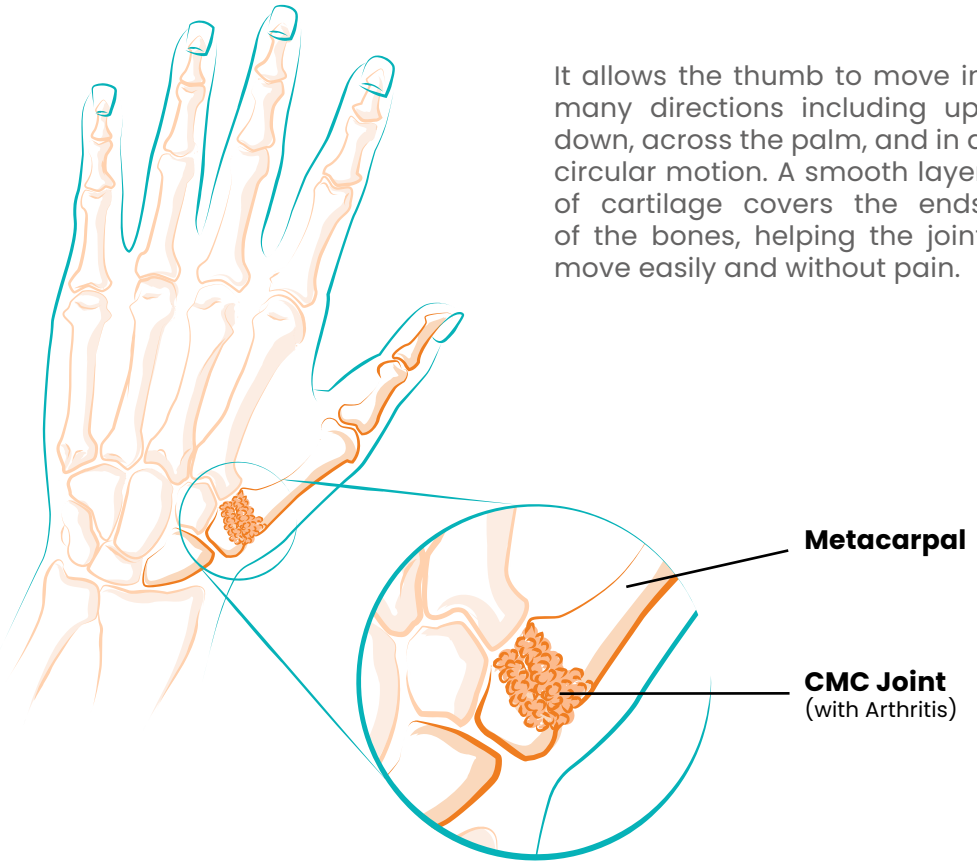


TOUCH[®]
CMC 1 PROSTHESIS
Information Guide

Thumb Anatomy

The thumb is what makes the human hand unique. It allows us to grasp, pinch, and hold objects and helps people shape and interact with the world around them.

At the base of the thumb is a small joint called the carpometacarpal (CMC) joint. This joint connects the long bone at the base of the thumb (metacarpal) to a bone in the wrist called the trapezium. The CMC joint at the base of the thumb is one of the most mobile joints in the body.



About Thumb Arthritis

Arthritis of the thumb CMC joint happens when this smooth cartilage wears down over time. As the protective surface becomes thinner, the bones begin to rub against each other.

Over time, these repeated stresses can wear down the joint surface. This can cause pain, stiffness, swelling, and loss of grip strength. Thumb CMC arthritis is very common, especially in women over 40 and in people who have used their hands heavily through work or hobbies. While age and activity are the main causes, past injuries or joint looseness can also contribute.

About TOUCH®

The TOUCH® CMC 1 prosthesis is a cementless, dual-mobility ball-and-socket total CMC 1 joint replacement prosthesis. The prosthesis offers comprehensive clinical data support and incorporates dual mobility technology to enhance joint stability.

While new to the United States, this total joint replacement prosthesis has been in use in Europe over the past decade in the treatment of thumb arthritis.

The TOUCH® CMC 1 prosthesis addresses a critical clinical need in hand surgery, as the CMC 1 joint is amongst the most commonly affected by osteoarthritis.



TOUCH[®]

CMC 1 PROSTHESIS

Talk to your physician to see if the TOUCH[®] CMC 1 total joint replacement prosthesis is right for you

Expected medical benefits

- Decrease of pain
- Reduction of functional disability

Potential undesirable side effects

Patient should be informed about inherent limits and risks due to the prosthesis. Some complications can lead to a re-operation. In rare cases, the following adverse effects can appear after prosthesis implantation.

Related to any CMC 1 joint arthroplasty device:

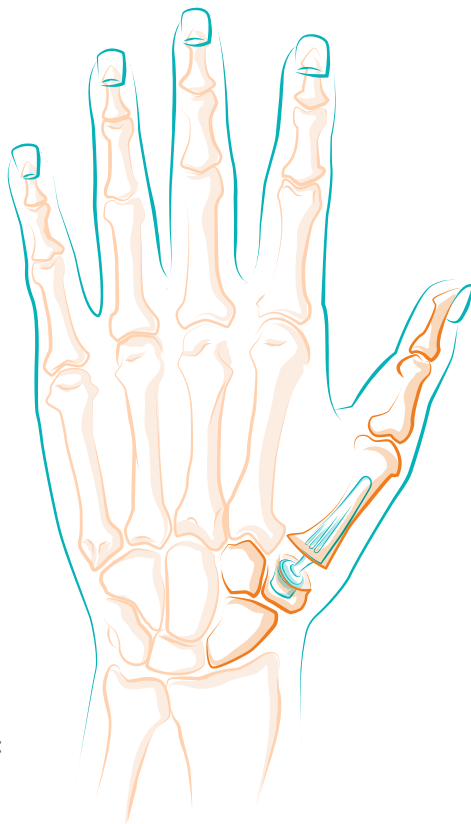
- Allergic reaction
- Metallosis
- Osteolysis (Osseous resorption)
- Per-operative or post-operative fractures
- Calcification / Ossification
- Prosthetic components migration
- Prosthetic components loosening or unsealing
- Mechanical complications: implant breakage, disassembly or deformation, premature wear, intra-prosthetic conflicts, dislocation
- Functional complications: reduced range of motion, joint stiffness, painful limitations, joint instability

Related to CMC 1 joint arthroplasty surgery:

- Early and/or late infection
- Hematoma
- Pain
- De Quervain Tenosynovitis, tendonitis
- Trigger Thumb
- Inflammatory or allergic reaction
- Surrounding soft tissues damages
- Neurological complications, Dysesthesia (decreased sensitivity)
- Acute (<3 months) complex regional pain syndrome (CRPS) 9]

Potential adverse effects Related to CMC 1 joint arthroplasty surgery:

- Cutaneous necrosis
- Thrombosis, cardiovascular disorder



Treatment Options

Not all cases of CMC arthritis cause pain or require treatment. In some people, symptoms may come and go or improve with time. However, when pain is persistent or interferes with daily tasks—like turning a key, opening a jar, or writing—treatment can help reduce discomfort and restore hand function.

Non-Surgical Treatment Options

- Splints or braces to rest and protect the joint
- Activity changes to reduce stress on the thumb
- Anti-inflammatory medicines (NSAIDs) to decrease inflammation and pain.
- Steroid or anti-inflammatory injections into the CMC joint to decrease inflammation and pain.

Surgical Treatment Options

- CMC arthroscopy: A minimally-invasive technique that uses a small camera and instruments to view and treat the CMC joint in selected cases.
- Trapeziectomy: Removal of the trapezium bone to eliminate bone-on-bone contact between the trapezium and metacarpal.
- Ligament reconstruction or suspensionplasty: Tendon or implant are placed in the space of the removed trapezium to keep the thumb stable and maintain space after the trapezium is removed.
- Joint fusion: Permanent joining of the metacarpal and trapezium bones together to stop movement at the painful CMC joint, typically using plates and screws.
- Denervation: Cutting small pain-carrying nerves around the joint.

Other Considerations

- MCP hyperflexion and Z-deformity can develop when arthritis changes thumb alignment. These may be corrected at the same time as the CMC procedures above, and may require additional incisions or reconstructions.



Frequently Asked Questions

Do I need to see my surgeon after the operation ?

Your surgeon will provide regular follow-up to ensure that the prosthesis is working properly.

I feel pain in my thumb joint. What should I do about this ?

Consult your surgeon in the event of pain, unusual behaviour of the prosthesis, infection, or following an injury or fall.

Will the prosthesis need to be changed over time ?

Your surgeon may consider replacing parts of or all the prosthesis with time.

When can I resume my daily activities ?

During your follow-up, your surgeon will explain what types of activities you can resume and how soon. It is important to follow the post-operative protocol prescribed by your surgeon.

I need to have medical examinations. Do I need to inform my surgeon of the presence of my prosthesis ?

Whichever medical examination you have (e.g. MRI, CT-Scan, X-rays), it is important to inform the healthcare professional you consult of the presence of your prosthesis. In addition, no injection should be performed near the implant.

Can I travel after the operation ?

Yes, it is however advisable to carry a copy of the X-rays showing the prosthesis. For your information, your prosthesis may be detected depending on the country and the configuration of the security gates.

Explore our website:
www.kerimedical.us



Disclaimer :

This brochure was written in cooperation with surgeon users of this product and is intended to be used for educational and information purposes. Only a medical professional can diagnose and determine what treatment option is right for you.