



Thumb carpometacarpal (CMC) joint hemiarthroplasty (Cartiva Implant): aftercare advice

Information for patients from the Hand Therapy Service

You have undergone surgery to replace the joint surface at the base of your thumb with a synthetic cartilage implant. Over the next few weeks you will be given advice by your therapist about your rehabilitation and the management of your hand. Getting a good result from this surgery is directly related to the effort you put into your rehabilitation, so please follow the advice and guidance below.

When can I return to my daily activities?

- Recovery from this operation can be slow. It can often be three to six months before you can start **normal heavy activities** again.
- Most patients are able to **return to driving** eight weeks after their operation. However this is a decision made by your surgeon or therapist.
- When you can **return to work** depends on the job you do, and should be discussed with your surgeon or therapist.

Two to six weeks after your surgery

- Two weeks after your operation **your plaster will be replaced with a lighter thermoplastic splint**. This splint must be worn all the time for a further four weeks, but may be removed each day for washing.
- You may have **dissolvable stitches**, which will gradually fall out and disappear around two weeks after your surgery.
- If you have **non-dissolving sutures**, these will be taken out either by your therapist at your follow-up appointment, or by the nurse at your GP surgery around two weeks after your surgery. If you have them removed by your GP practice nurse, you will need to book this appointment yourself.

- Compared to non-smokers, **smokers** are more likely to have complications in tissue healing and infections after surgery. For free friendly support and medication to help you stop smoking, contact One You Kent Smokefree Call: 0300 123 1220 or email (mailto:kentcft.oneyoukent@nhs.net) or visit their web site (<https://www.kentcft.nhs.uk/service/one-you-kent/>).
- **Elevating (raising) your hand** is important to prevent swelling and stiffness in your fingers. Remember not to walk with your hand dangling down by your side, and do not sit with your hand held in your lap.



Example of good hand elevation while lying down



Example of good hand elevation while sitting

- Using a small amount of cream (such as E45 or Diprobase), massage your scar in deep circular motions. This helps prevent hypersensitivity, and the tendons becoming stuck to surrounding structures and causing problems with the movement of your hand.

Exercises: two to six weeks after your surgery

- These exercises should not be painful, but may feel slightly uncomfortable.
- Always exercise gently and slowly.
- Remove your splint every three hours to do the exercises below.

Exercise 1

- Bend and straighten your shoulder and elbow 10 times.

Exercise 2

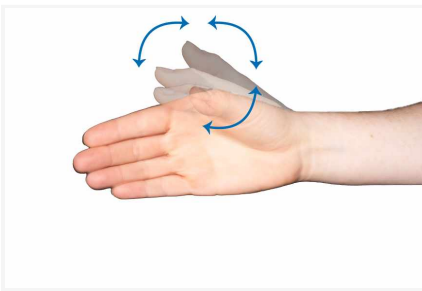
- Bend and straighten all fingers 10 times.

Exercise 3

- With your hand on its side, hold your fingers comfortably out of the way.
- Make small circles with your thumb for one minute.

Exercise 4

- Hold your thumb below the joint to be exercised (4a).
- Bend (4b) and straighten the upper joint 10 times.



Exercise 3



Exercise 4a



Exercise 4b

Exercise 5

- Place your hand flat on a table (5a).
- Try to move your thumb away from the rest of your hand (5b) and back again (5c).
- Complete this exercise 10 times.



Exercise 5a



Exercise 5b



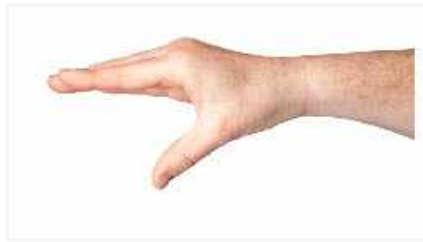
Exercise 5c

Exercise 6

- With your hand on its side (6a), move your thumb sideways away from your palm (6b) and back in again (6c).
- Complete this exercise 10 times.



Exercise 6a



Exercise 6b



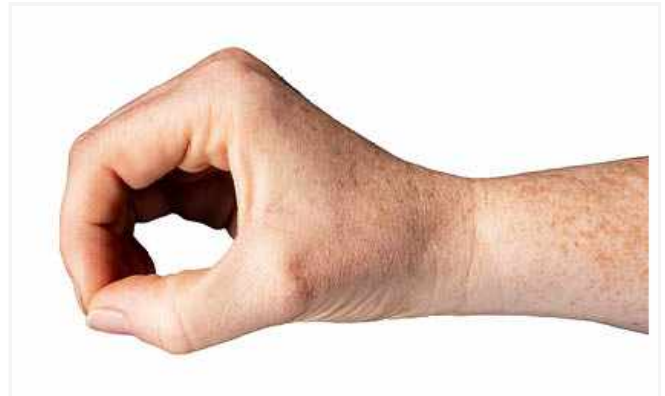
Exercise 6c

Exercise 7

- Place your hand on its side on a table, with the tip of your thumb touching the tip of your index finger.
- Try to roll your thumb, moving from a 'D' shape (7a) to an 'O' shape (7b) between your thumb and index finger.
- Hold for three seconds.
- Complete this exercise 10 times.



Exercise 7a



Exercise 7b

Exercise 8

- With your palm up flat on the table (8a), try to flatten your thumb back, so that the back of your thumb touches the table (8b).
- Complete this exercise 10 times.



Exercise 8a



Exercise 8b

It is normal for these exercises to be uncomfortable, but they should not cause pain. If they do:

- Try more gentler / smaller movements, with less repetition. Build up slowly.
- If your wound has healed fully and the dressings are off, you can do the exercises after warming your hand up in warm water or using a heat pack. This can help with pain and stiffness.

Exercises: six to 12 weeks after your surgery

Exercise 1

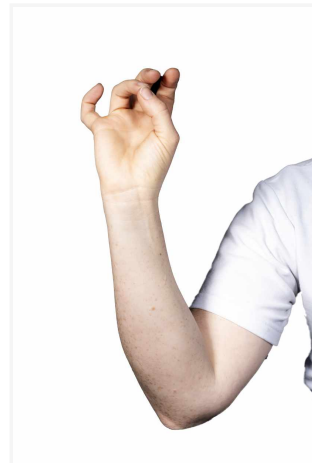
- Touch the tip of each finger one at a time with your thumb.



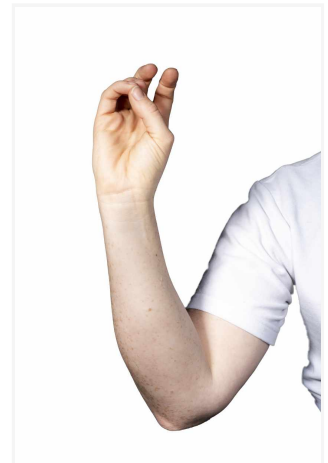
Exercise 1



Exercise 1



Exercise 1



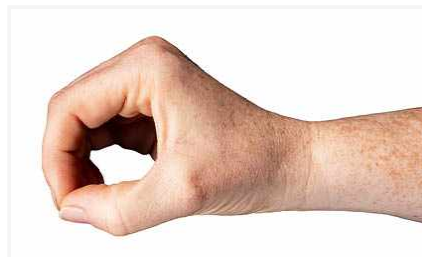
Exercise 1

Exercise 2

- Place your hand on its side on a table, with the tip of your thumb touching the tip of your index finger.
- Try to roll your thumb, moving from a 'D' shape (2a) to an 'O' shape (2b) between your thumb and index finger. You can use playdoh, a sponge, or a light stress ball (2c) to help with this.
- Hold for three seconds.
- Complete this exercise 10 times.



Exercise 2a



Exercise 2b



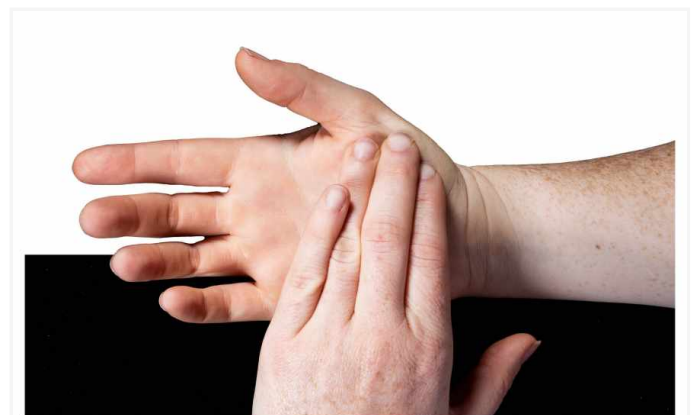
Exercise 2c

Exercise 3

- Hold your hand and forearm palm up.
- Using your other hand, stretch your affected thumb out to the side, away from your palm, pulling from the base of the thumb.
- Hold for 10 seconds, and repeat three times.

Further advice

- With the advice of your therapist or doctor, your splint is removed during the day. Keep the splint on at night until eight weeks after your surgery.



Exercise 3

- After week four, you may use your hand for very light activities only (do not lift anything heavier than 0.5kg to 1kg in weight).
- Increase your level of activity as shown by your therapist, but do not do more than your pain allows.
- Avoid heavy pinch grips (for example holding a book open or tearing open packets) and lifting (see above) until 12 weeks after your surgery.
- Continue scar massage. Your scar may still feel tender; this is normal.

Will I have follow-up appointments?

Yes. How many appointments you have and how often you have them will depend on your recovery, and will be discussed with your therapist at your first follow-up appointment.

Further information

If you have any further questions, do not hesitate to ask your therapist.

This leaflet has been produced with and for patients.

Please let us know:

- If you have any accessibility needs; this includes needing a hearing loop or wanting someone to come with you to your appointment.
- If you need an interpreter.
- If you need this information in another format (such as Braille, audio, large print or Easy Read).

You can let us know this by:

- Visiting the Trust web site (<https://www.ekhuft.nhs.uk/ais>).
- Calling the number at the top of your appointment letter.
- Adding this information to the Patient Portal (<https://pp.ekhuft.nhs.uk/login>).
- Telling a member of staff at your next appointment.

Any complaints, comments, concerns or compliments, please speak to a member of your healthcare team. Or contact the Patient Advice and Liaison Service on 01227 783145 or email (ekh-tr.pals@nhs.net).

Patients should not bring large sums of money or valuables into hospital. Please note that East Kent Hospitals accepts no responsibility for the loss or damage to personal property, unless the property has been handed into Trust staff for safe-keeping.

Further patient information leaflets are available via the East Kent Hospitals' web site (<https://www.ekhuft.nhs.uk/patient-information>).

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