



APPLICATION MANUAL

Don't worry about fractures anymore





Short Arm SA

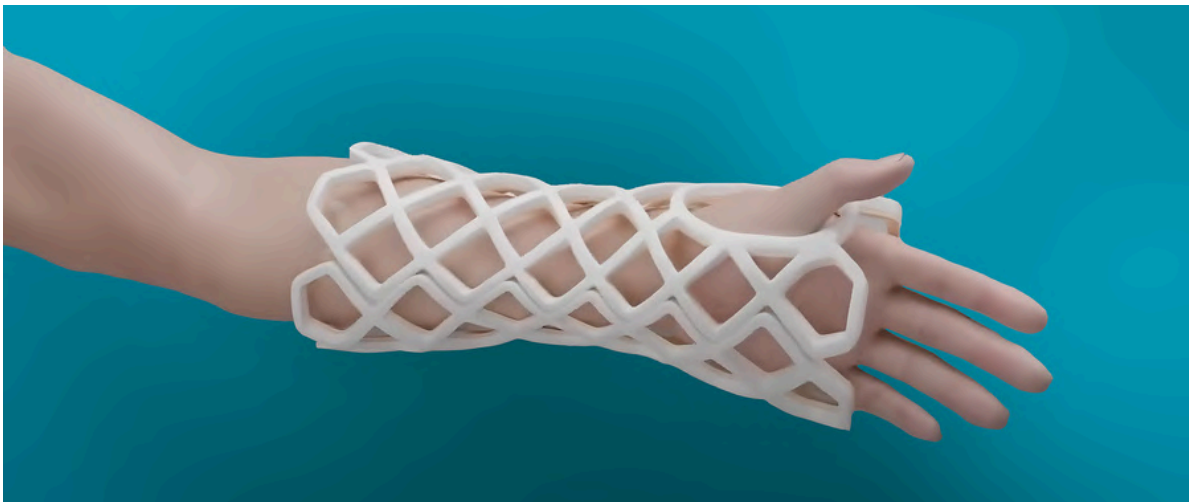


Thermosetting Opencast:

- 1.Heat the oven to 90°C
- 2.Put the Opencast in the heating oven with the hard-external side on the rack for 2 min
- 3.Remove, put on the clamps and apply. **The OC must always be slightly loose after the clips have clicked.** Cover with transparent wrap, check the fitting, look out for any pressure points and avoid tight fitting, if needed possible manipulation can be done through the the transparent wrap. Leave to cool for approx. 4 min. Remove the transparent wrap and that's it. In 15 minutes the OC is fixed.

Indication: **WRIST**

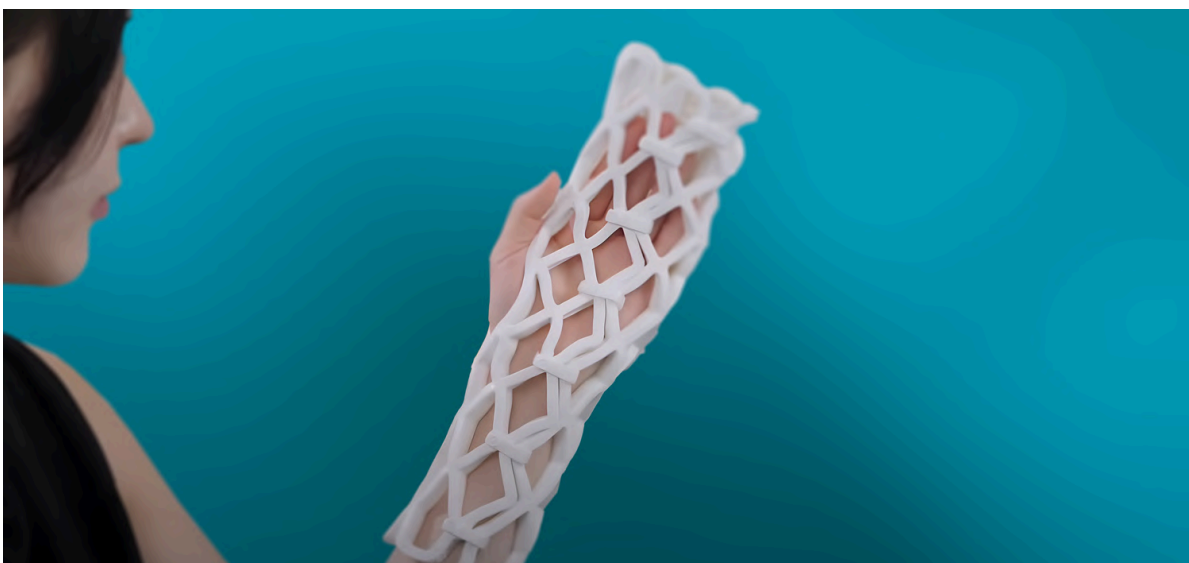
Can be used: **Opencast M x S**, universal left x right



Indications: **MTC, fingers**

Can be used: **Opencast M** , bottom thumb hole, universal left x right

If you need to narrow down Opencast to a tiny hand, zigzag cuts (see below).



Indication: Fixation of the HK thumb

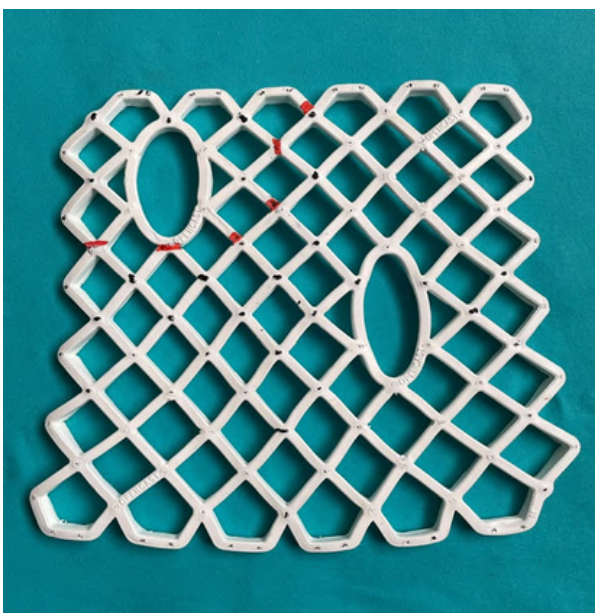
Can be used: **Opencast S x M** , universal left x right



Template for THUMB: OPENCAST M

Step No. 1

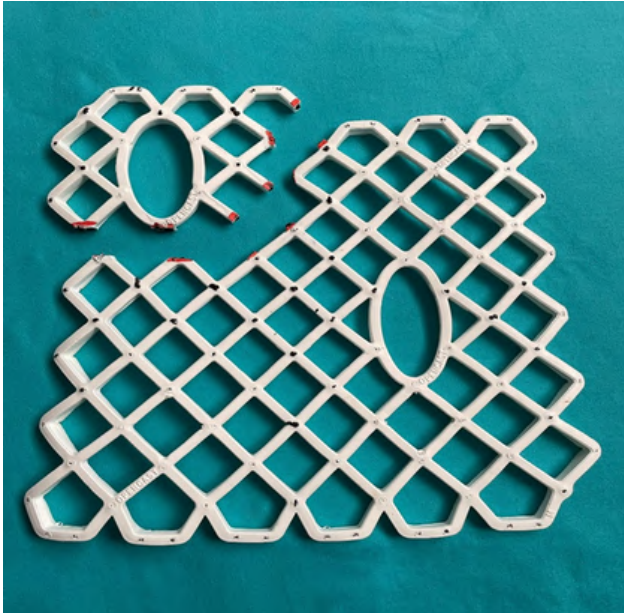
- Draw a cut out 3 x 3 x 3 (we don't need a hole in the cast for fixing the thumb).
- Draw (the external side), heat (90°C/2min. - hard side on the grid), cut (warm - with scissors, hard-with tongs)
- Can be applied for right and left thumb.



Step No. 2

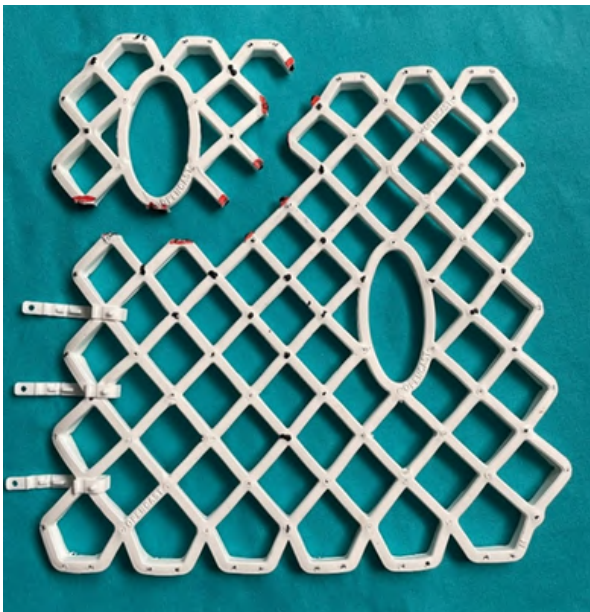
- **Opencast M** after cutting out the thumb template.
- You can save the template for next time.

View of the external surface.

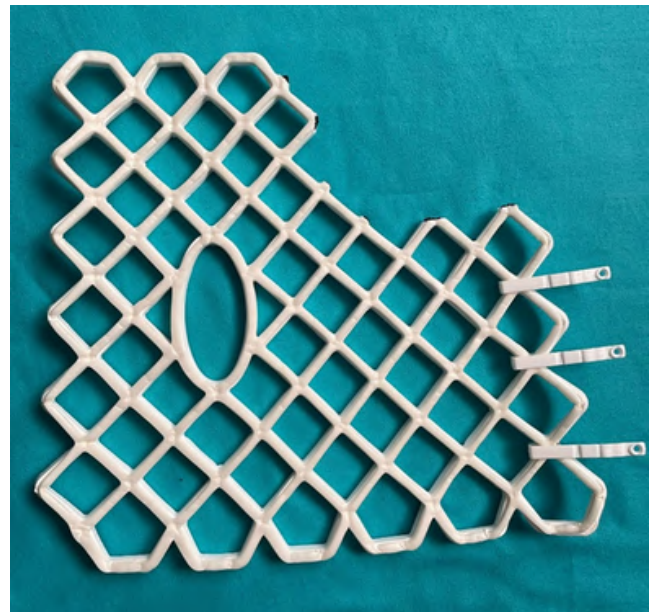


Step No. 3 - put the clips on the forearm

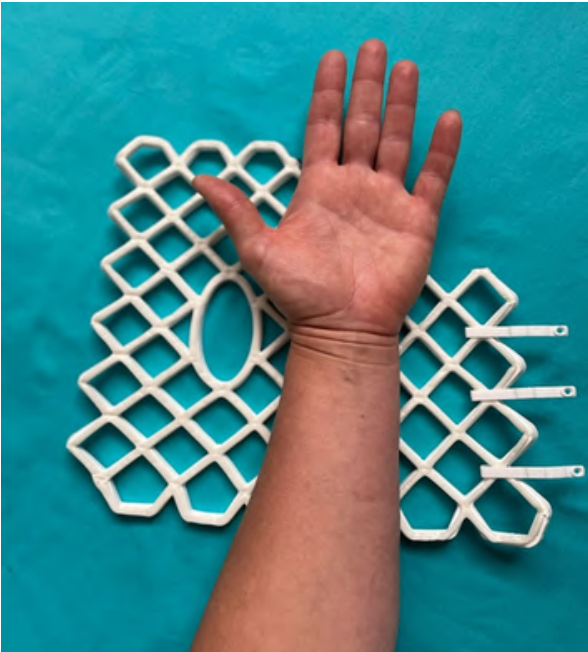
a view of the external side of the OC



a view of the internal side of the OC



Correct hand position on cut out **OC M** – thumb level with top end, clamps will wrap around forearm and wrist.

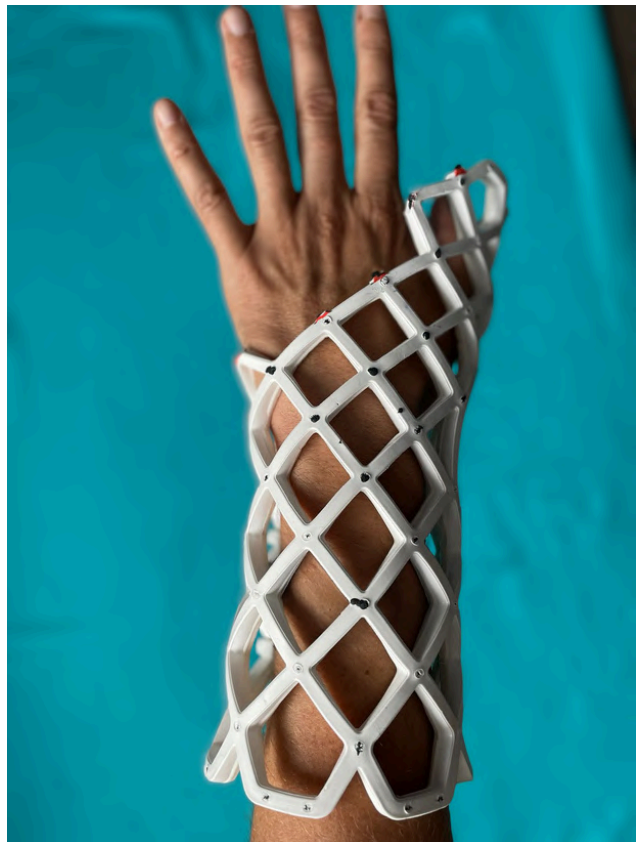


Step no. 4 - close the clamps

Left palmar view



Right dorsal view



Step No. 5 - Wrapping and tightening the OC film from the elbow to the wrist

Left dorsal view

Right palmar view



Step No. 6 - Thumb shaping

We can wrap - only with foil, or use a clamp and transparent wrap , or a tightening strip and transparent wrap we finish the desired shape by hand. If necessary, the cells on the thumb can be flattened, the material is very formable.



Step No. 7 - Remove the transparent wrap and check the fixation

Definitive shape of the fixation after removing the transparent wrap.

Left dorsal view



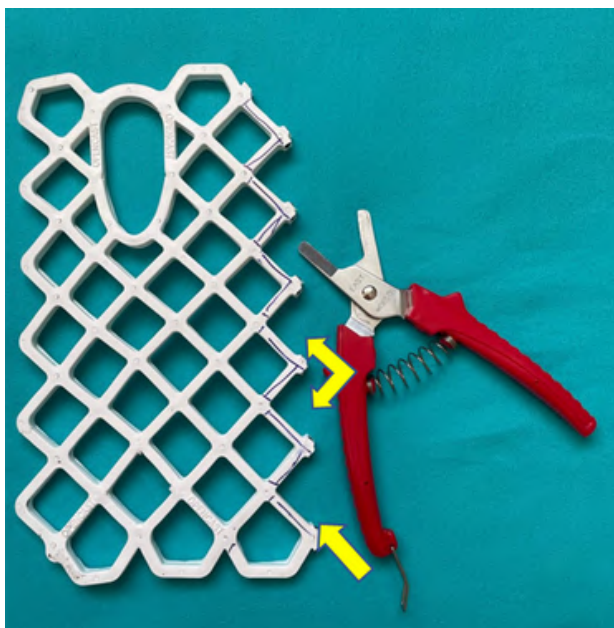
Right palmar view



Template for THUMB: OPENCAST S

If necessary, first adjust the **Opencast** to the desired width – zigzag cut. see picture, according to the circumference of the hand.

You need to leave a slight gap, which can be easily squeezed with the transparent wrap.



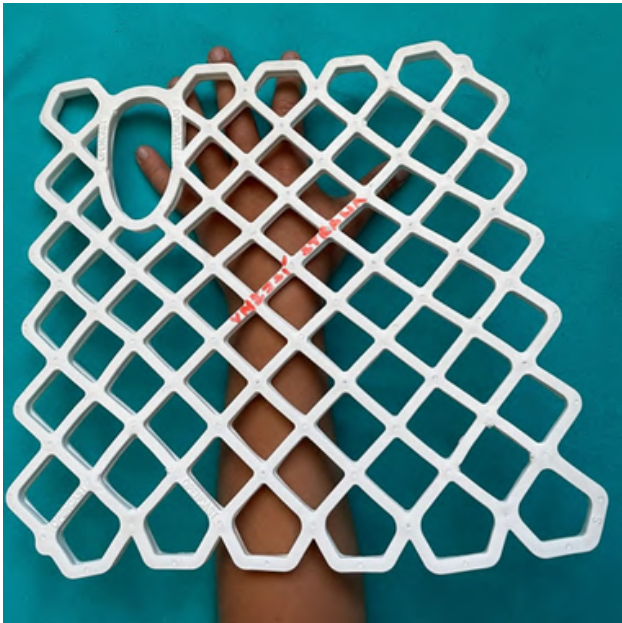
Don't measure Opencast tight on the limb!

THIS IS ONLY AN ILLUSTRATIVE PICTURE OF THE ZIG ZAG TAPERING CUT!!!

IT IS NOT A TEMPLATE.

Hand position in Opencast S

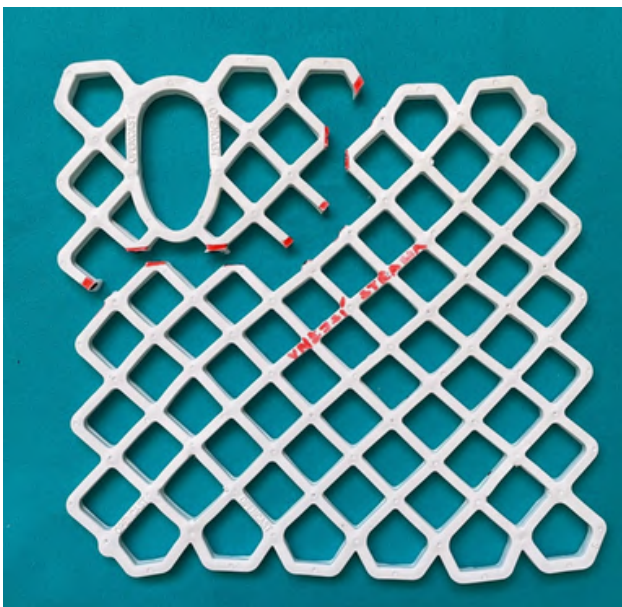
View of the external surface



Step No. 1

- Drawing of template
- Heating (90°C / 2 min)
- Cutting out (heated OC cut with scissors)

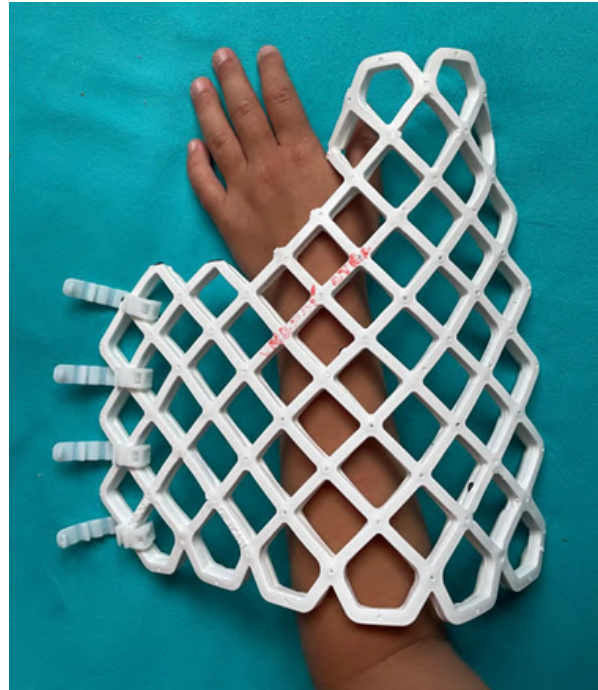
View of the external surface



Step No. 2

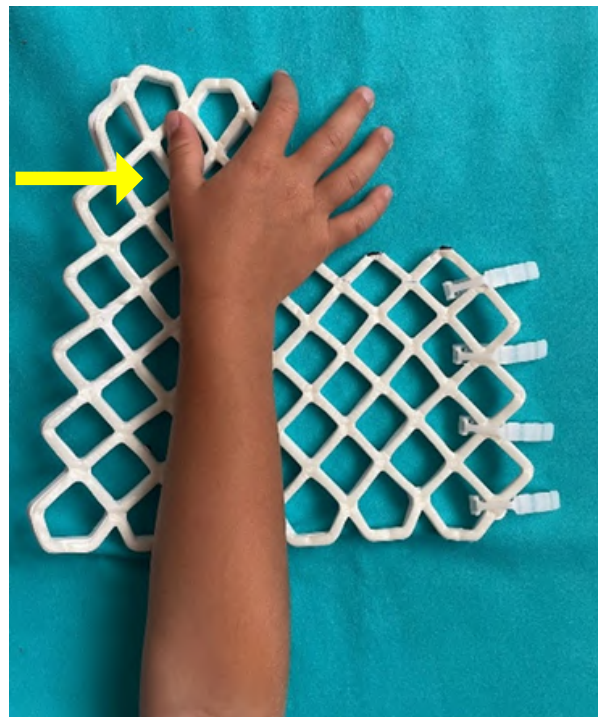
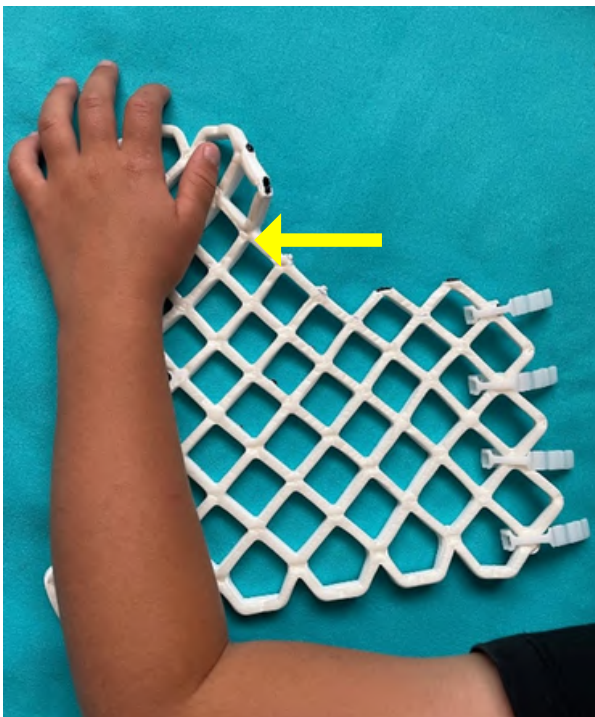
Correct position OC – put clamps on the forearm view of the external side of the OC.

Again, can be used on both left and right hands.



The position of the left hand in the template

The position of the right hand in the template



Step No. 3 – Clamps closure around the forearm

BEWARE OF THE CORRECT OPENCAST POSITION!!

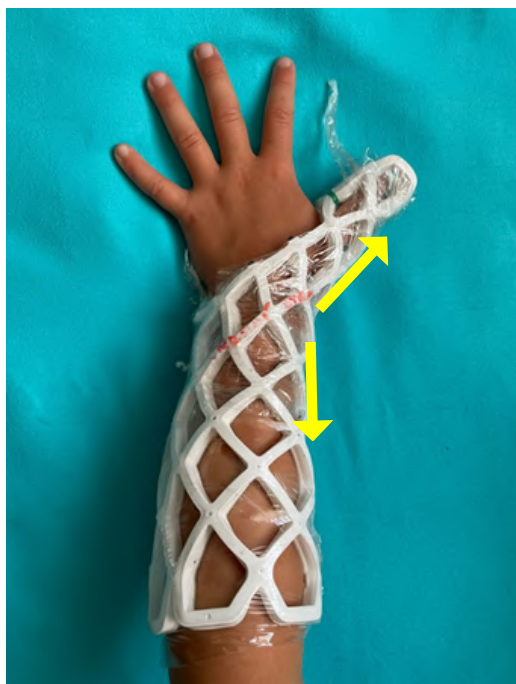
Cutout for the thumb – at the thumb, top edge of the OC should line up with the tip of the finger!! Avoid unnecessary overlapping.



Step No. 4 – Fixing the fixing of transparent wrap

FROM WRIST TO ELBOW! WATCH THE POSITION OF THE OC AT THE THUMB!

Finally, the thumb is shaped using transparent wrap, tape and modeling by hand. If necessary, it is possible to straighten-squeeze some of the cells so that they do not stick out. They are very easy to model



Step No. 5 - Removing the foil

The final form of the fixation of the thumb

- illustration hand 4 years.

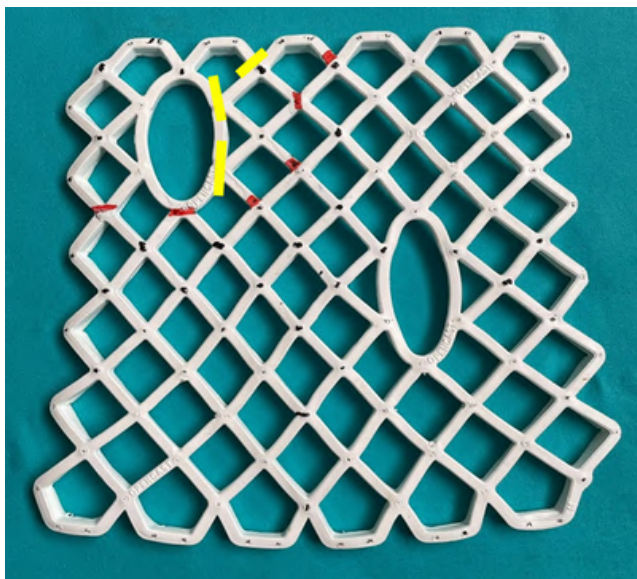


INDICATION: II.-III- MTC HK

Can be used: **Opencast M. Universal** left x right.

The template is identical to the thumb template!!! (red line)

The patient's thumb to be placed into the bottom hole.



If it is necessary to fix 3 fingers, or large fingers, it is necessary to cut a narrower strip - see yellow line

In the case of voluminous or more than 2MTC for fixation... it is advantageous to draw a cutting template on the Cast... heat and apply/measure roughly on the patient, only then cut.

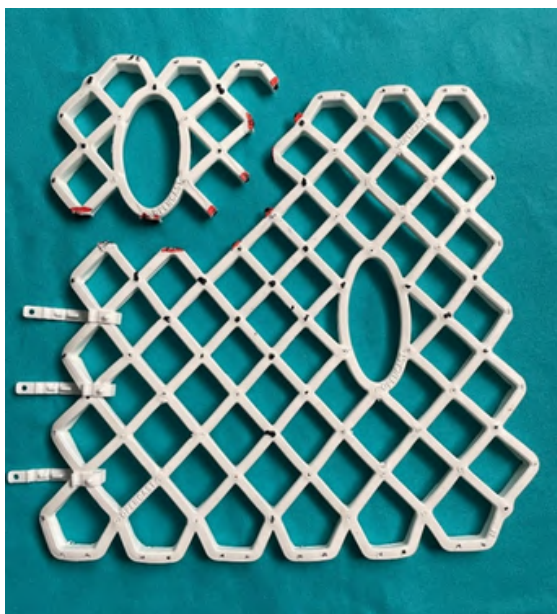
Step No. 1

Measure and draw the template correctly. View from the external side.

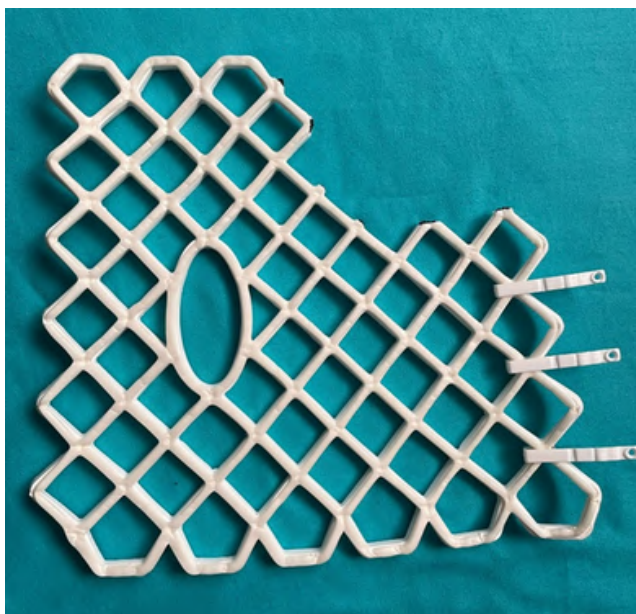
Step No. 2

Cut out the template, put on the clamps

On the left, a view of the outside of Opencast M

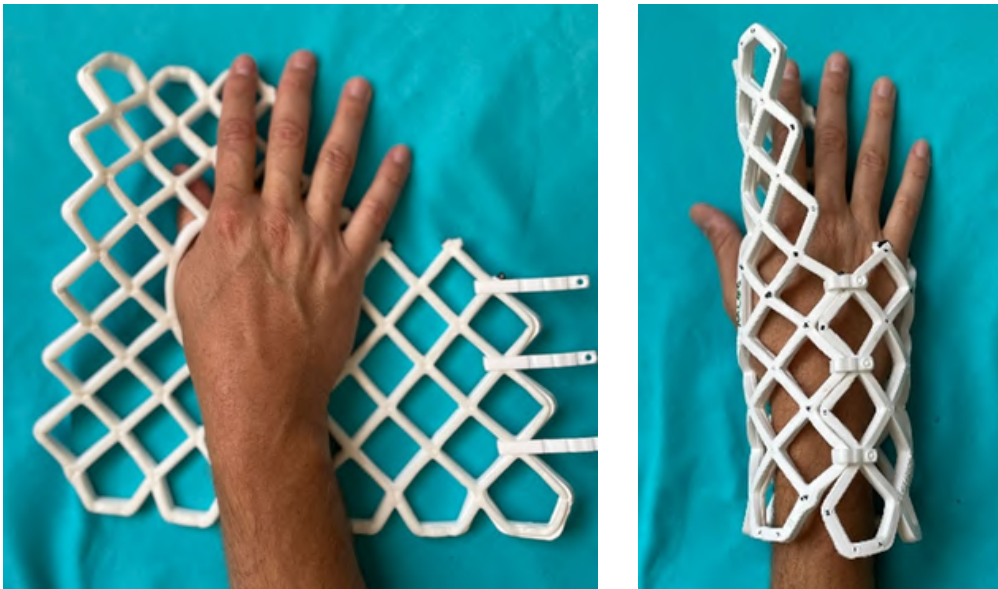


On the right, a view of the inside of Opencast M



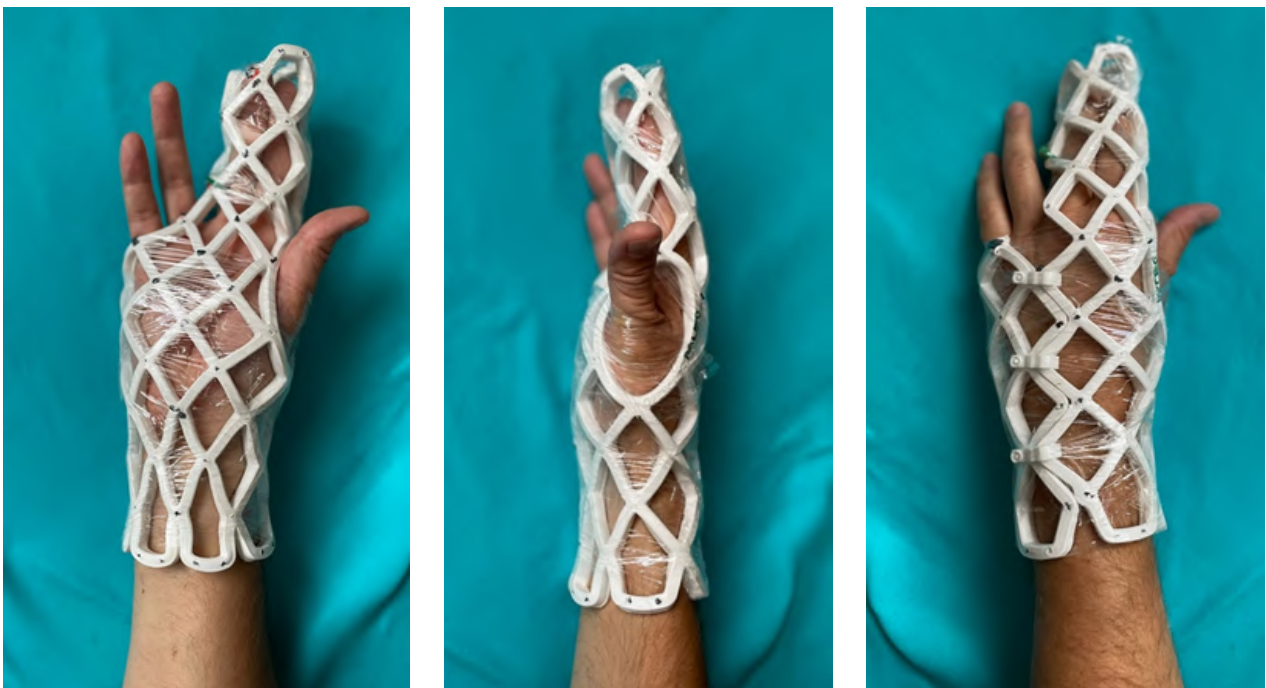
Step No. 3

Correct hand position in OC, thumb in the opening, close clamps around wrist and forearm.



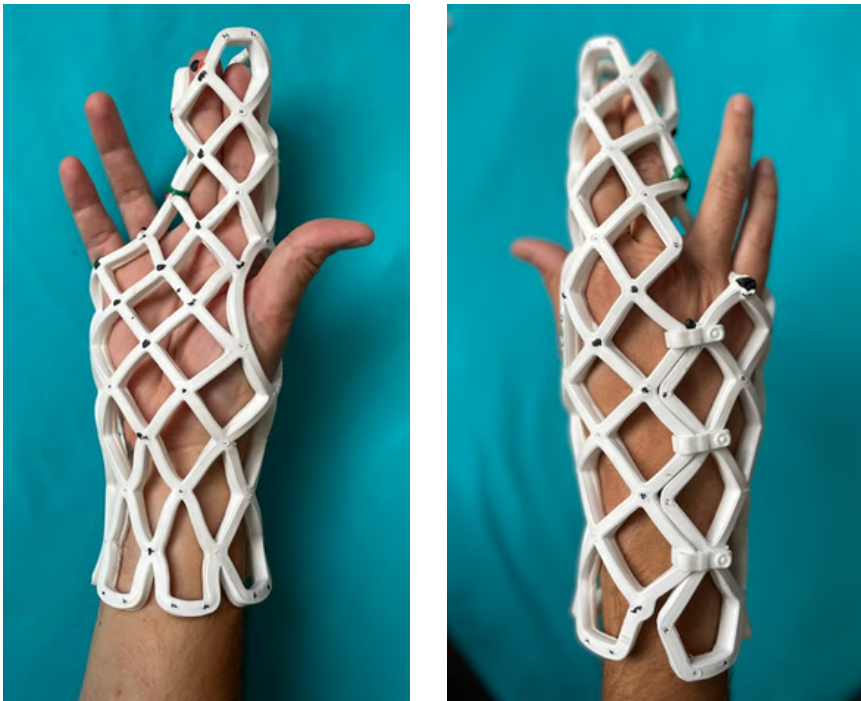
Step No. 4

We fix with foil from the forearm towards the wrist. The fingers can be fixed with a tape, then wrapped in transparent wrap and shaped. Checking that the OC is not pressing. Let it harden.



Step No. 5

Remove the transparent wrap and check the fixation.

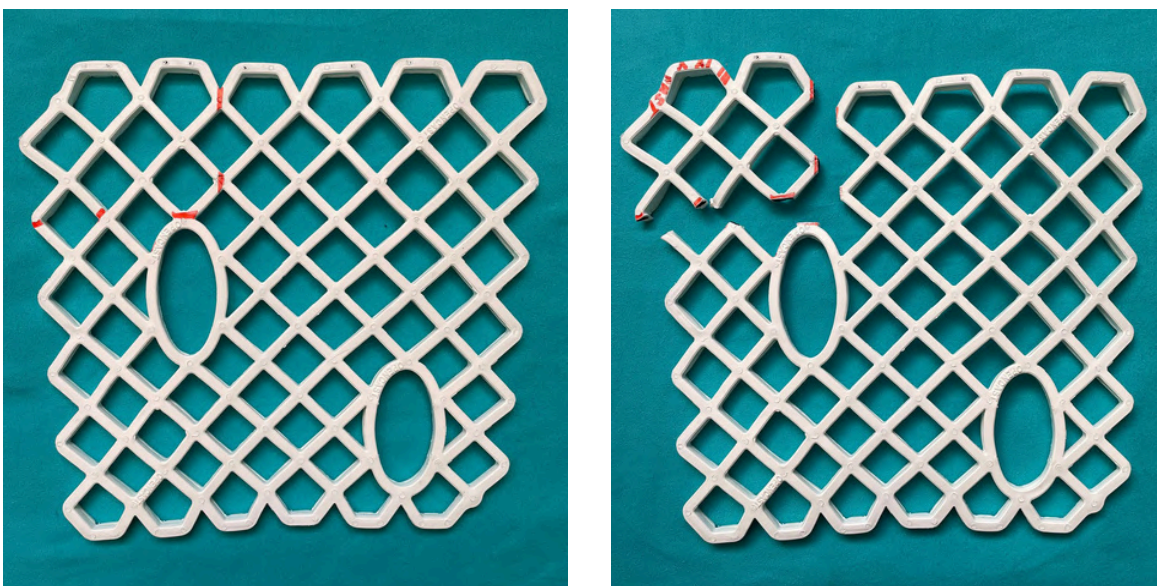


INDICATION: III-IV. MTC HK

Can be used: **Opencast M.** Universal left x right

Step No. 1

Draw the template on the outside of the OC, heat it up and cut it out (soft with scissors).



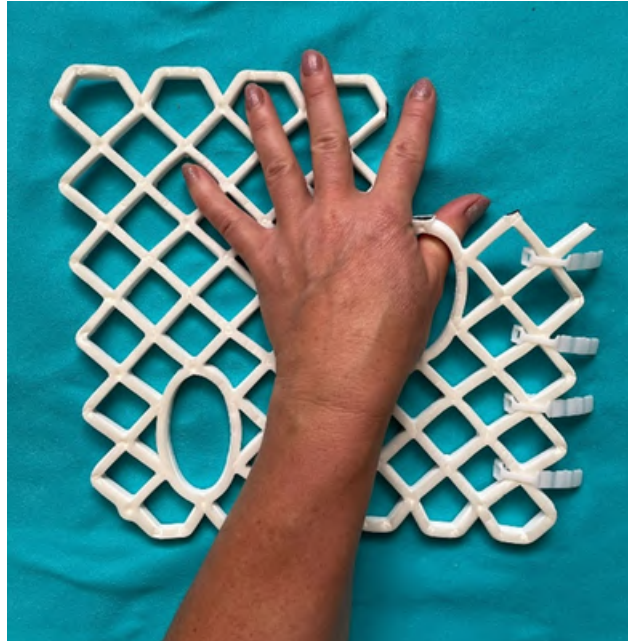
Step No. 2

Correct hand position in OC.

On the left, a view of the outside of the OC



On the right, a view of the inside of the OC



Step No. 3

Close the clamps around the wrist and forearm.



Step No. 4

Wrapping OC foil from the forearm towards the wrist. The part around the fingers can be fixed with tape, then wrapped with foil and shaped by hand.



Step No. 5

Remove the foil and check the fixation. It is possible to add a tightening strip where it might be needed.

