

## ***Chin Cup Splint***

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### **Description of splint:**

Otoform chin cup to provide support, conform and provide pressure to chin grafts and lower lip grafts. Otoform is a kneadable impression material traditionally used to take impressions of ears for hearing aid fabrication.



**Materials used/needed:**

- \* Otoform with silicone hardening paste catalyst
- \* Interim Jobst chin strap
- \* Gloves to protect hands from material and for proper hygiene

**Fabrication instructions:**

1. Begin by making sure the patients' skin is clean and dry.
2. With gloves to protect hands, mix the Otoform material with the silicone hardener paste. Scoop appropriate amount of Otoform material (white) and mix with a line of hardener paste catalyst (red). Continue to mix these materials until you achieve a uniform pink color.
3. Apply material to the chin allowing for uniform distribution of material. If necessary, more material can be placed under the lower lip to help with conforming and molding the lower lip area.
4. Once the material is completely hardened, remove from the patients chin. If the Otoform chin cup needs to be cut down in any way, it can easily be adjusted with a pair of scissors.
5. The chin cup can then be held in place with a chin strap.



**Advantages:**

- Otoform is a softer material than Aquaplast, which has been traditionally used for hard chin cups at our facility. Therefore there is decreased risk for breakdown of the skin with the Otoform as opposed to a hard chin cup.
- Increased conforming properties of the Otoform chin cup. Increased conforming means it stays in place better than a hard chin cup.
- It is easily fabricated and easily donned and doffed by the patient for eating/drinking/bathing etc.
- The material also consists of a silicone based material which can help with smoother and softer scar maturation.
- Does not interfere with verbal communication.
- Can be used during the day and at night.
- Can be used in conjunction with other pressure garments/splints (i.e. watusi collar)

**Disadvantages:**

- Slightly more bulky than a hard Aquaplast chin cup

**Indications:**

- To be used when skin is completely healed.

**Precautions/Contraindications:**

- Cannot be used if patient has sensitivity to silicone.
- Should not be used in small children secondary to fear of ingestion.

**Primary reference:**

Dreve Otoplastik website for product information: [www.dreve.com](http://www.dreve.com)

**Level of Therapist Skill / Specialization Required:**

Licensed Occupational or Physical Therapist

**Total Time Required Fabricating Splint / Device:**

15-20 minutes

**Outcome Measure:**

Patients report increased comfort with otoform chin cup during times when chin/lip was very sensitive.

If you have any questions about the design of the device or comments about the fabrication, please contact Colleen Macner at (617) 371-4755 or [cmacner@shrinenet.org](mailto:cmacner@shrinenet.org).