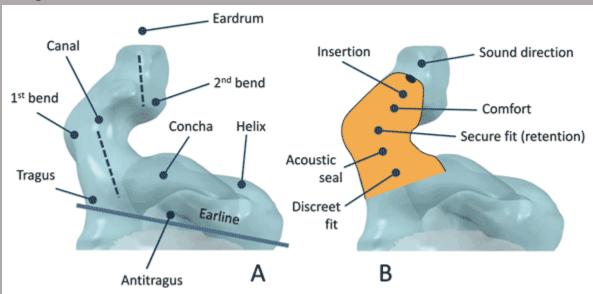


Part B: Evaluating Ear Impression

The ear impression requirement for the NCHALB examination (Part B: Practicum) is to produce an ear impression that can be used to make a full-shell earmold for use with a high-gain hearing instrument suitable for a severe sensorineural hearing loss. This requirement is for both ear impressions. Use the following guidelines to make your earimpressions:

- ➤ Each ear impression must include the full helix, crus of the helix, tragus and antitragus. **IMPORTANT:** The canal depth of the ear impression must clearly indicate the second bend of the ear canal.
- The material used to make the ear impression should be made of high-viscosity silicone to increase the accuracy of defining the anatomical details needed for a full-shell ear mold. Professional evaluators will note the absence of skin contact in areas critical to a secure fit and adequate seal. Lack of skin contact is evidenced by shiny areas on the surface of the impression material.
- > To make an ear impression for a high gain hearing instrument, it is recommended to make the impression with the client's mouth closed to insure better canal retention.

Figure 1

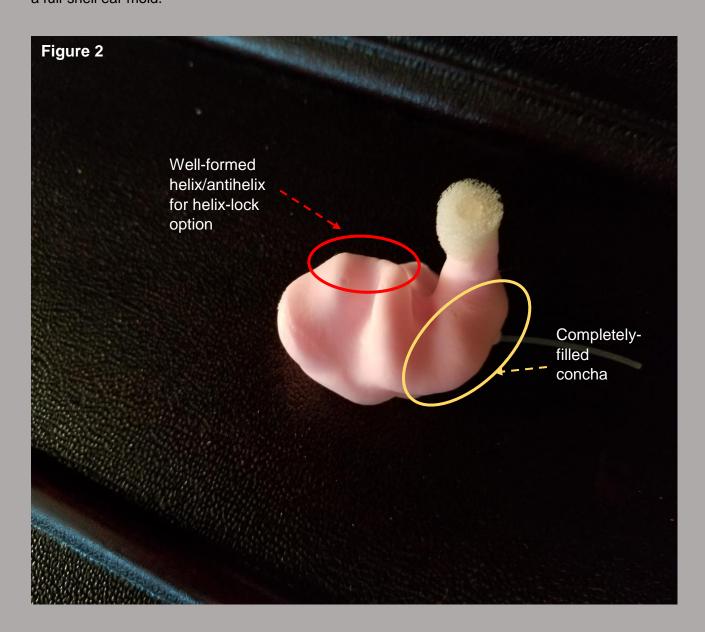


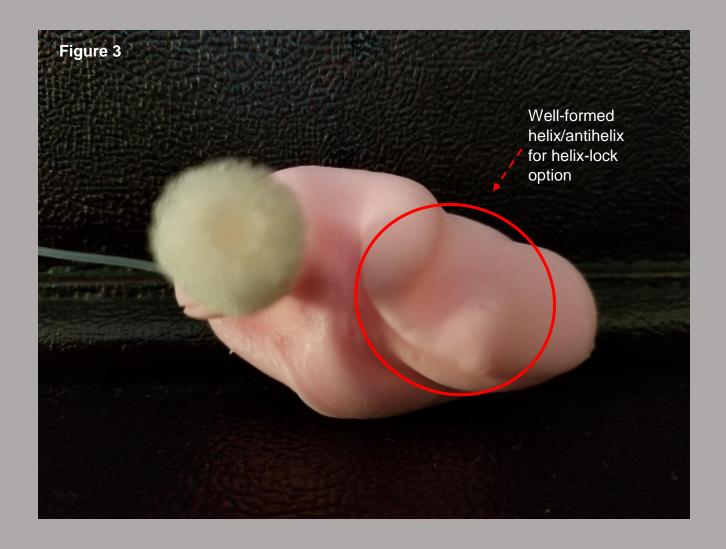
References:

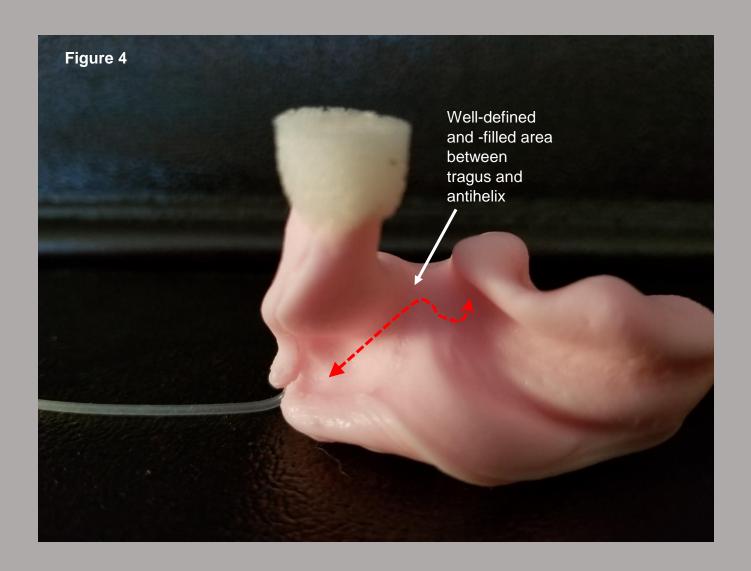
Adapted from: https://www.head-fi.org/f/threads/empire-ears-athena-impressions-thread.787793/ retrieved 5/20/2017

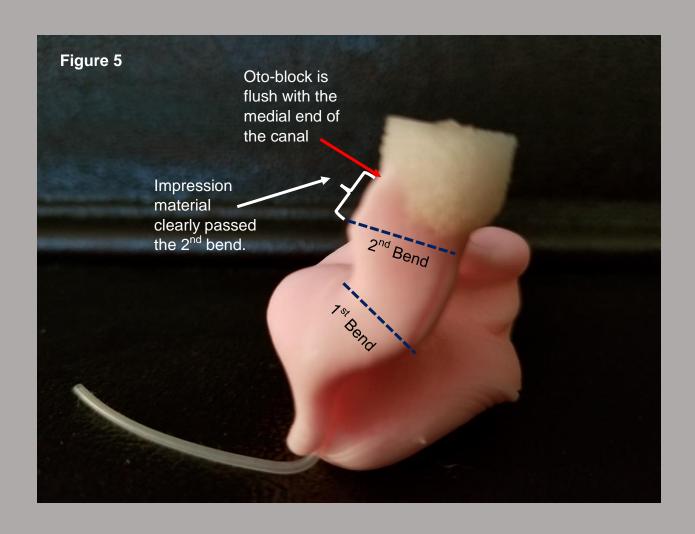
Pirzanski, C. (2006). Earmolds and Hearing Aid Shells: A Tutorial Part 4: BTE Styles, Materials, and Acoustic Modifications, *The Hearing Review*. 2000;7(10):22-27. Available at: http://www.hearingreview.com/2006/08/earmolds-and-hearing-aid-shells-a-tutorial-part-4-bte-styles-materials-and-acoustic-modifications/

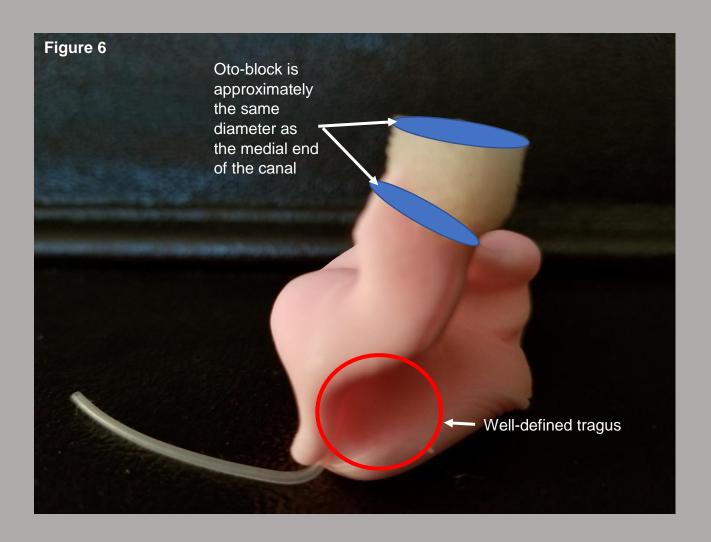
Figures 2 – 7 are pictures and descriptions of ear-impressions that meet the criteria for making a full-shell ear mold.

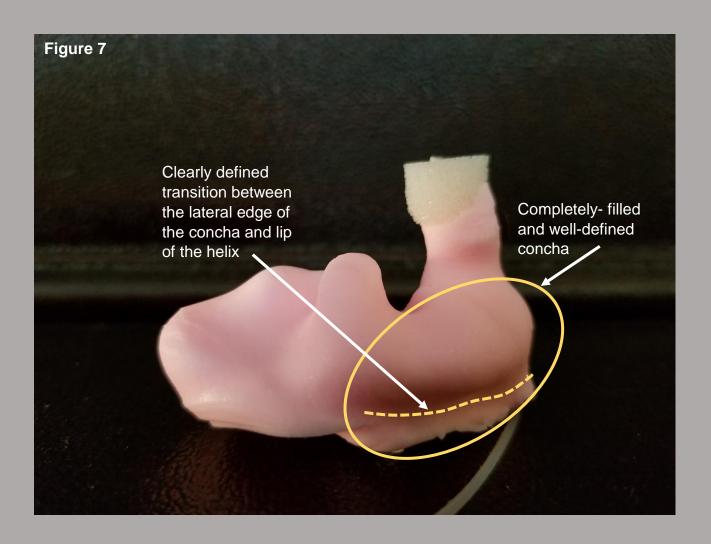








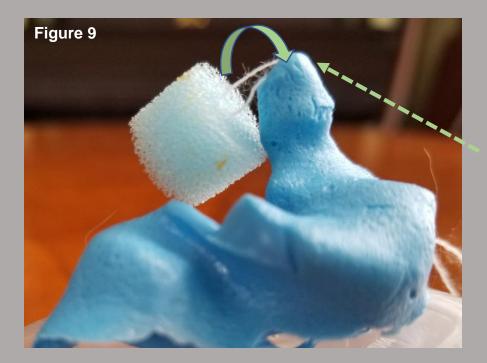




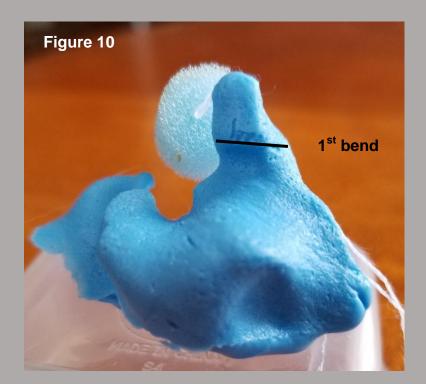
Figures 8 – 15 are pictures and descriptions of ear-impressions that $\underline{\text{do not}}$ meet the criteria for making a full-shell ear mold.



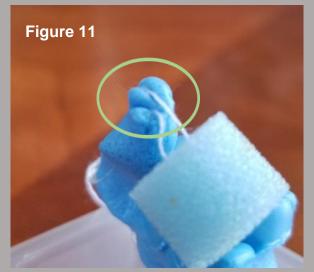
Impression material has seeped past the otoblock (blow-by).



Otoblock is not flush with the medial end of the ear-impression.

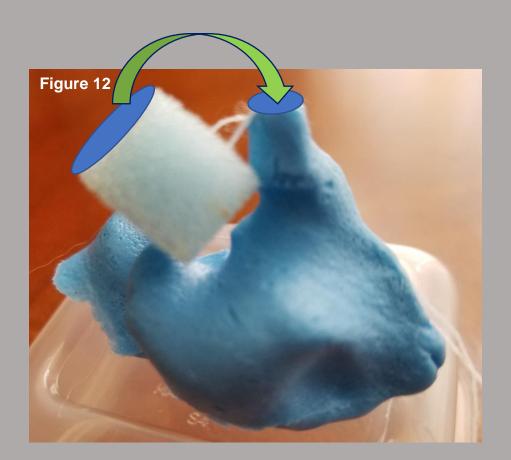


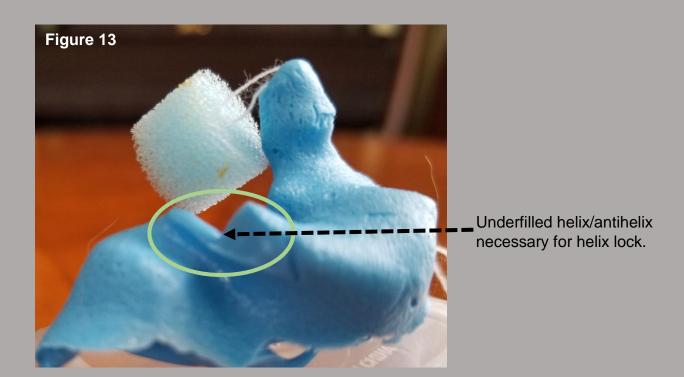
Inadequate definition of the EAM: Impression material did not reach second bend

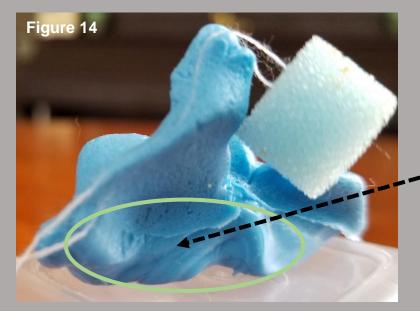


Incomplete fill of the EAM past the 1st bend.

Appears that otoblock is too large for the EAM; however, difficult to determine because of EAM underfill.







Inadequate definition of the tragus (laterally) necessary for a tragus lock.

