



## Protocol for Models and Wax-Ups

MCENTER USA will require a **stone model of the current oral anatomy** and a **waxed-up stone model of the final prosthetic solution** in order to produce optimal scans for use in the MGUIDE Virtual Implant Planning Software. If preferred, impressions may be sent and model work will be completed in the MCENTER.

MCENTER USA workflow requires a model and a wax-up of the patient according to the following protocol:

### High Quality Model and Wax-Up

Impression and stone model quality *directly affect* the accuracy of the tooth or mucosa supported MGUIDE surgical template. An impression of the **entire jaw** must be taken using accurate impression material, like poly-ether or silicone, for optimal model construction. **Alginate is not recommended**, but if it must be used, it should be an alginate that has an unalterable timeframe of 100 hours, due to its high accuracy and long term dimensional stability.

- Use only the most current impressions (taken within a week), as tooth position may shift over time.
- The final stone models should be in exceptional condition. Models that have chips, broken parts, air bubbles, or other defects **cannot be used**, even if they have been repaired.
- Any teeth that will be extracted during surgery must be removed from the stone model prior to shipment.
- Ensure that maxillary stone models include the entire palate and tuberosities (retro molar pads for the mandible). This is to ensure optimal stability.
- Plaster bases are required in order to prevent damage during shipping, as well as for stability during the scanning process. The plaster base should measure 1 inch in height.
- It is important for the waxed-up stone model to be a **diagnostic wax-up**, not a denture wax-up, and it must be as accurate as the final prosthetic solution.

**Note:** *The entity (outside lab or other) that will be fabricating the waxed-up stone model will need an impression of the antagonist to accurately design the final prosthetic solution.*

### Proportions

To ensure that the stone models will accurately fit into our high-resolution scanner, verify that the stone model length does not exceed **90 mm**.

### Shipment

Label the models with the clinician's name and patient ID, and ensure that the models are well packed and protected for shipping. It is not necessary to include impressions, articulators, or antagonist jaw models in the shipment to MCENTER USA.