

# Analog Impressions

Full Arch impression is needed to build the appliance

Written By: Patrick Tessier



## INTRODUCTION

[video: <https://youtu.be/MKPxi1w8q8M>]

## Full Arch Impressions

The lab will need full arch impressions for both arches to manufacture your appliance.

***It's important to capture the distal surface of the most posterior molar.***

Especially on the lower arch, since we will be pulling the mandible forward for treatment.

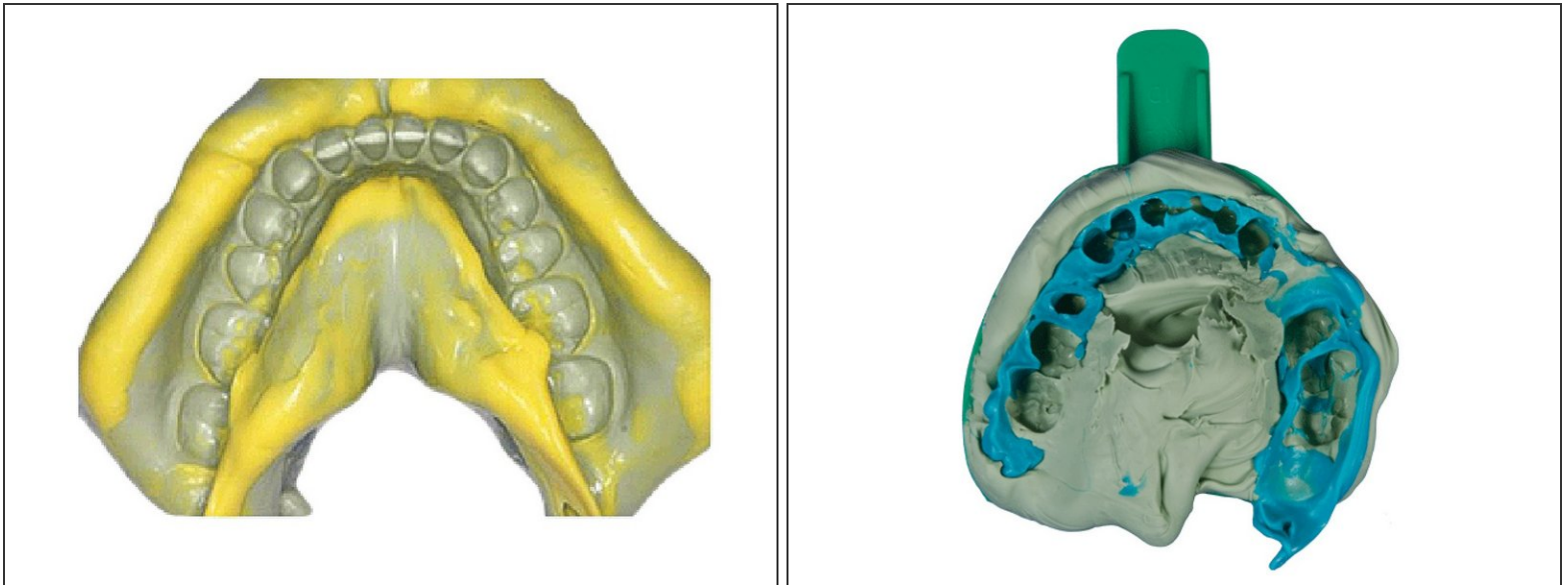
A good PVS material with a rigid full arch tray works best. Kettenbach is an excellent supplier, this is a link to their technique page.

[Kettenbach Impression Technique](#)

Also the Dental Prosthetic Services guide is available as a PDF below. It's a good reference.

Most labs prefer to pour their own stone models from your impression. Since they do this daily, the lab has excellent processes to obtain the best model work.

## Step 1 — Impression Techniques (courtesy of DPS)



- Fine detail impressions of both arches are critical to the success of your sleep appliance. Make sure your impressions have their DMD
- **Detail:** Impressions for sleep appliances need to capture the landmarks of a denture impression with the fine detail of a crown and bridge impression. Full upper and lower impressions must effectively depict the molar region & 5mm of tissue distal to the posterior molars if possible. It is also important to clearly capture the gingival sulcus.
- **Material:** We suggest using a PVS impression material – a heavy body with a light body wash. Please be sure to carefully monitor working and set times. Below is a quick tutorial on an effective PVS impression technique:
  - If you prefer to send models, please use Grade 4 stone for fabrication.
- **Distortion:** Please check all impressions for distortions, including voids, drag, bubbles, incomplete arch areas, and broken teeth. The four biggest culprits for impression distortion are:
  - **Trays** – be sure to choose a sturdy tray that is large enough for the patient.
  - **Time** – pay close attention to the manufacturer’s recommendations for working and setting times.
  - **Contamination** – keep the mixing tips fully submerged in the impression material to avoid air bubbles.