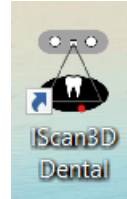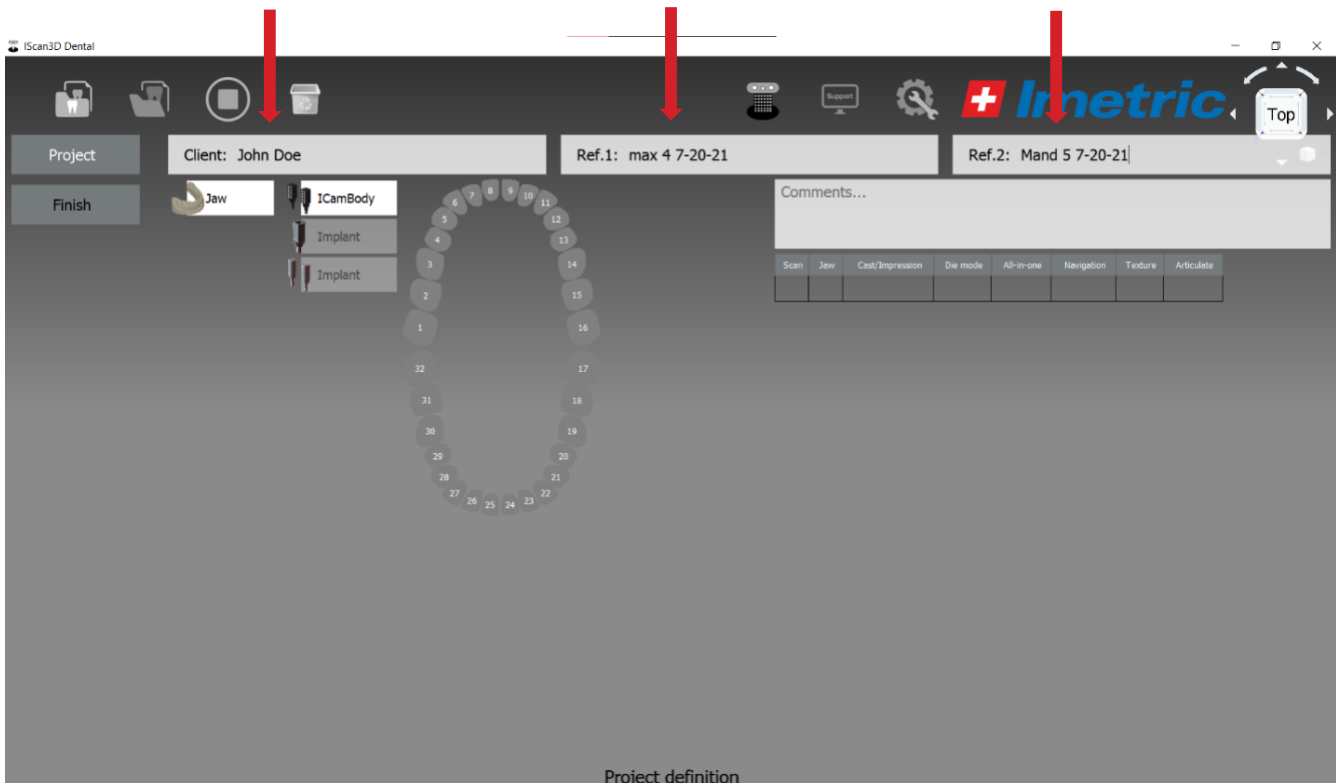# Imetric4D

Step 0: Before opening the software, be sure the camera is plugged in, turned on and connected to the computer.

- **Step 1**: Double click on the IScan3D Dental Icon

- **Step 2**: Once the Imetric software opens up, enter the patient's name. This is to help you find the file. Fill out reference 1 and 2 with arch information but more important is the date of the

- **Step 3**: Select the teeth where the implants have been placed. You can do this by clicking on the teeth with the mouse. If you select the wrong tooth, just click it and a screen will appear to the right. In the lower right corner, it says remove. Click remove and the tooth will be deselected.

- **Step 4**: Once you click on a tooth, a screen will pop up on the right. After you have selected the teeth, select a screw library. You need to decide if you are going directly to the MUA or if you will be using a Ti-Base. Click the drop down box under ICam4D. Scroll down until you see the library of the screw you will be using.

Screw Library

**Step 5**: Once you have selected the library, click Apply All

- **Step 6**: Once the screw has been selected, you are ready to calibrate. If you are only doing one arch, you will only have one ICamBodies tab and one screw tab under the comments box. **Click** on the ICamBodies that coordinated to the arch you are scanning. You cannot scan an arch that isn't selected. If you click lower arch and you try to scan the upper arch, the dominoes will turn purple and nothing will happen. Hover over the ICamBodies tab and it tells you arch that tab is coordinated to.
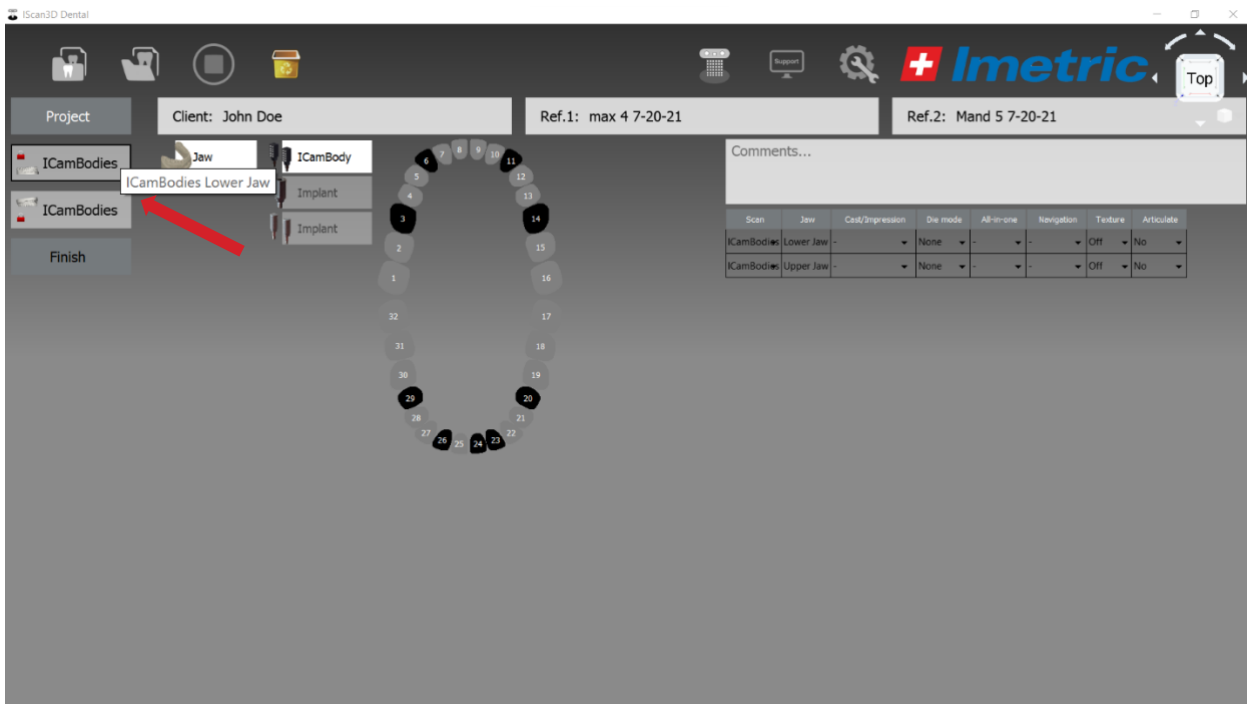

- **Step 7**: Now you are ready for the fun part. You need to calibrate the machine. Start about a foot away from the calibration plate and slowly move forward and the circle turn all green and you hear the double beep. If there is red in the circle, just pull the camera back or forward slowly. The circle calibrated from the top down, so if there is red mid circle, pull back slowly. If there is red at the bottom, slowly move forward.
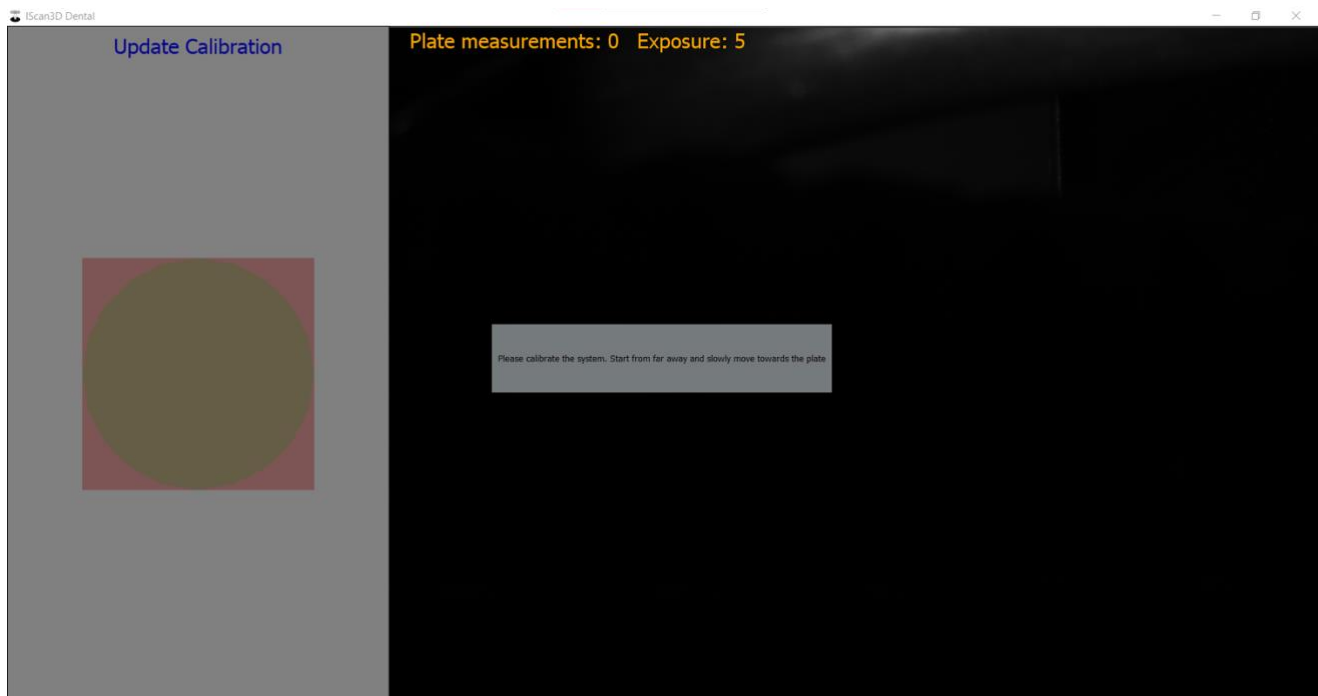
- **Step 8**: Now that you have calibrated, you are ready to scan. You don't need to do anything except move from the calibration plate to the mouth. Start at the midline and slowly rotate from left to right until the dominoes turn green on the screen. You want to have at least 30 views but not too many more than 10 views/implant. ie: 5 implants, stay around 50 views.
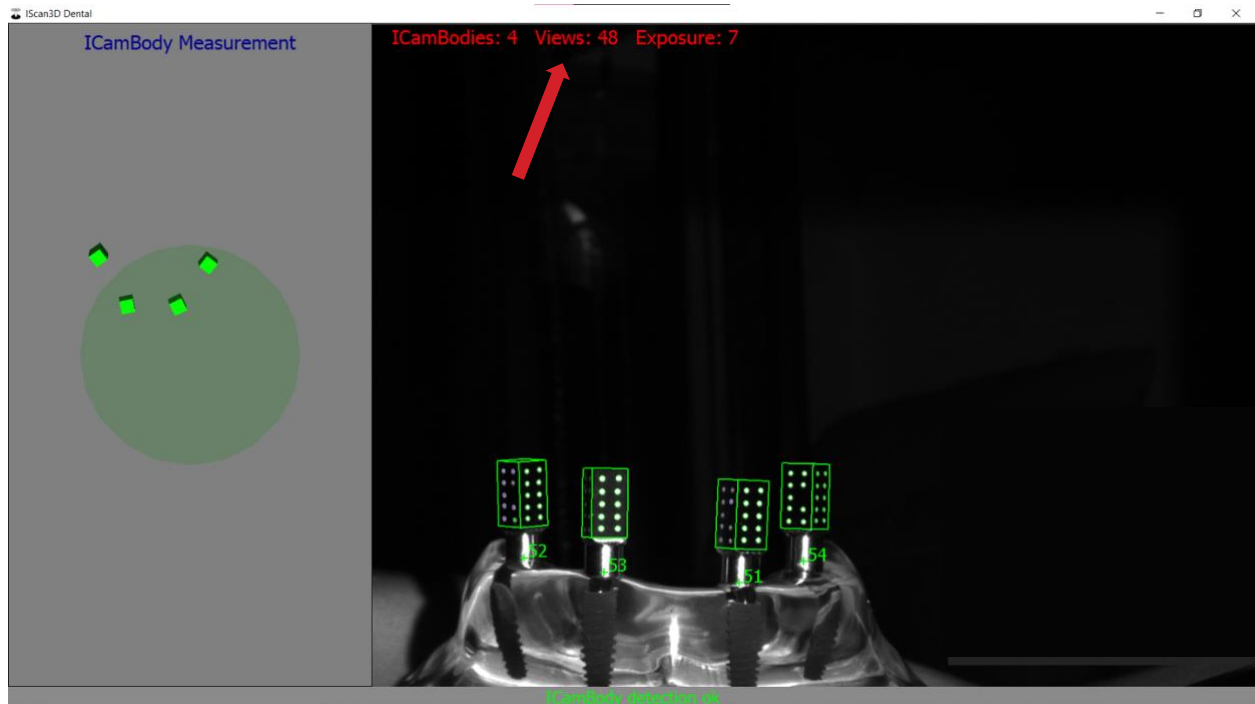

- **Step 9**: Set the camera down securely on a clean counter and click anywhere on the screen and this screen will pop up. Click the stop [ ] button to turn off the camera.
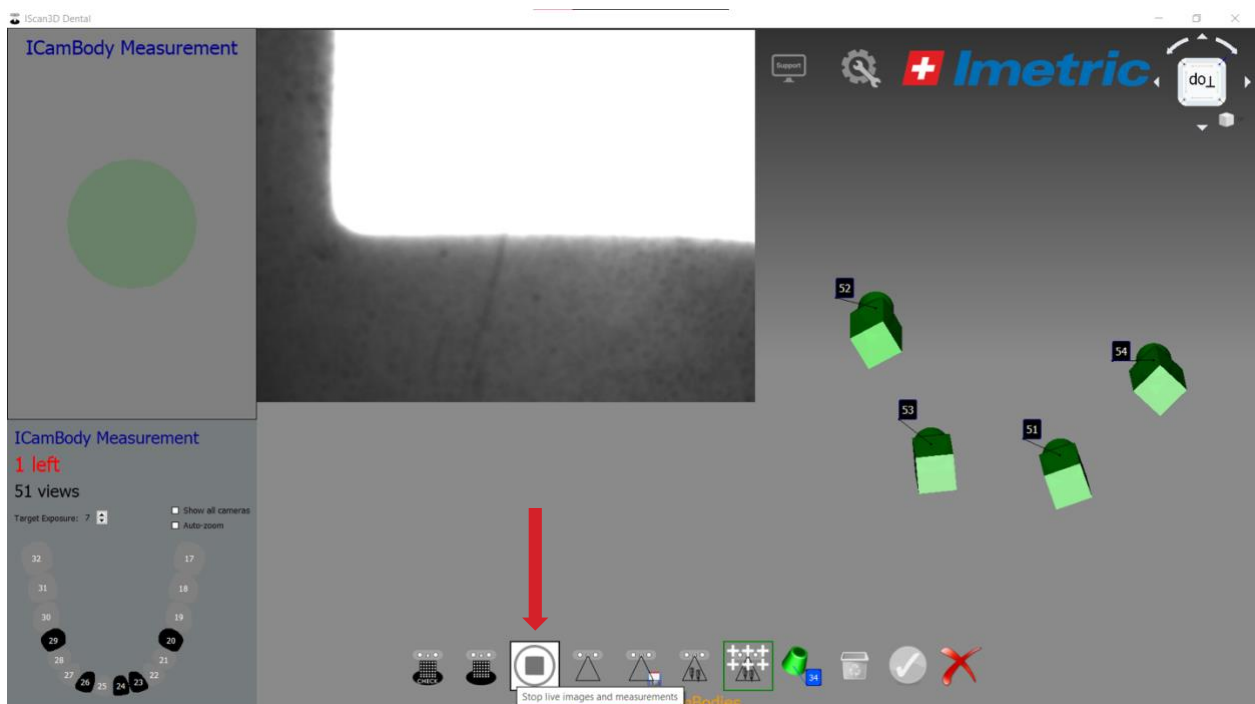
- **Step 10**: Click the bright green icon. When you hover over it, it will say adapter labeling. The computer want you to click the implant position in reference to the arch position in the lower left corner.
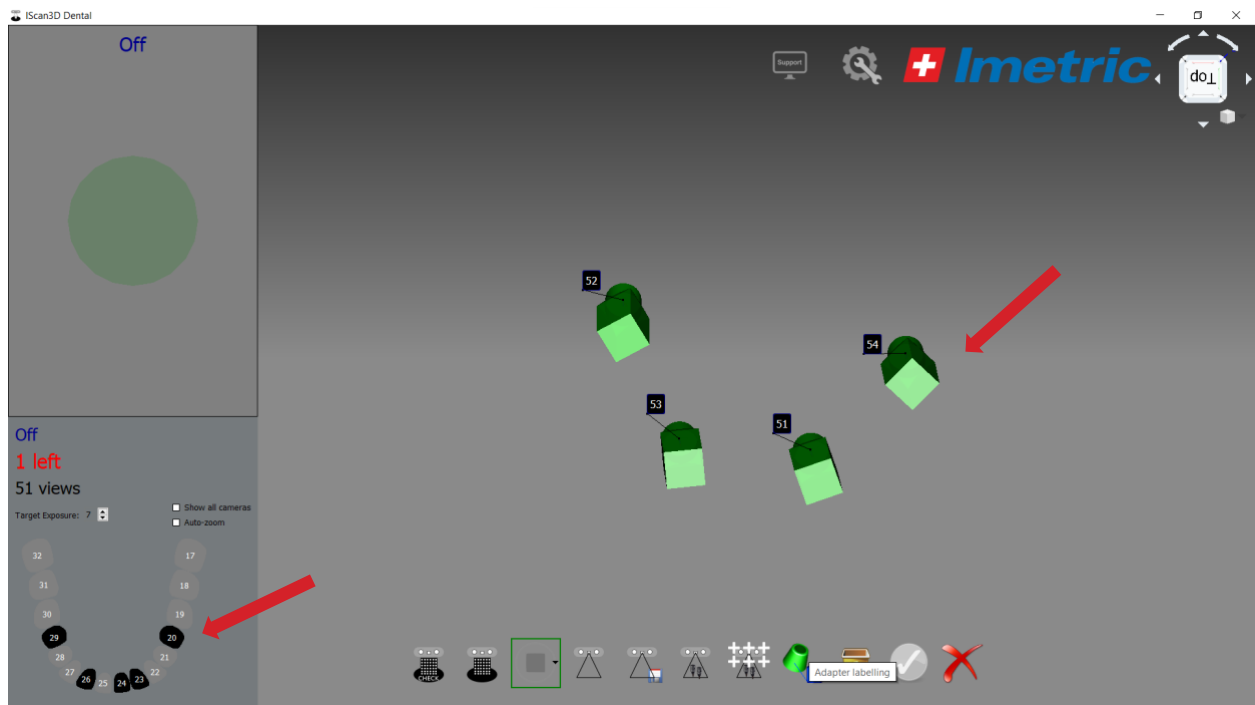

- **Step 11**: Click through the sequence until all the implants are verified.
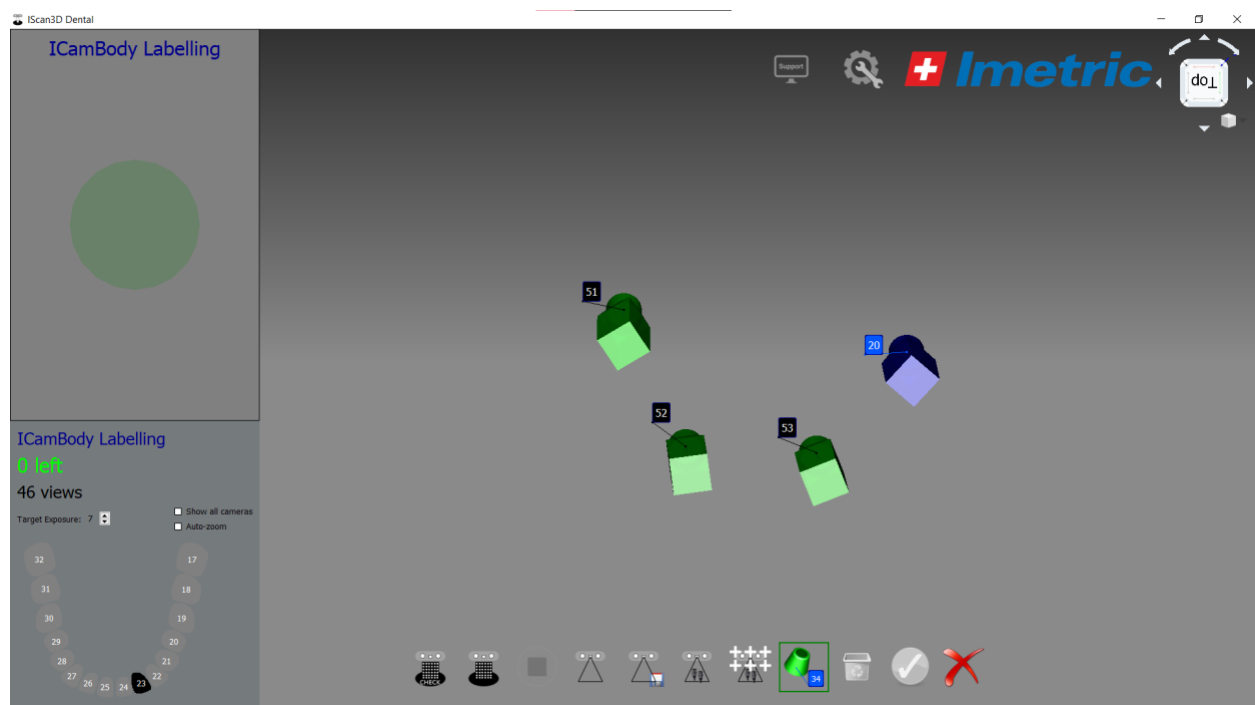
- **Step 12**: Once you have verified the positions, this screen pop-up. If you have scanned 2 arches, both ICambodies will be bright green and you will see 2 sets of scan bodies.
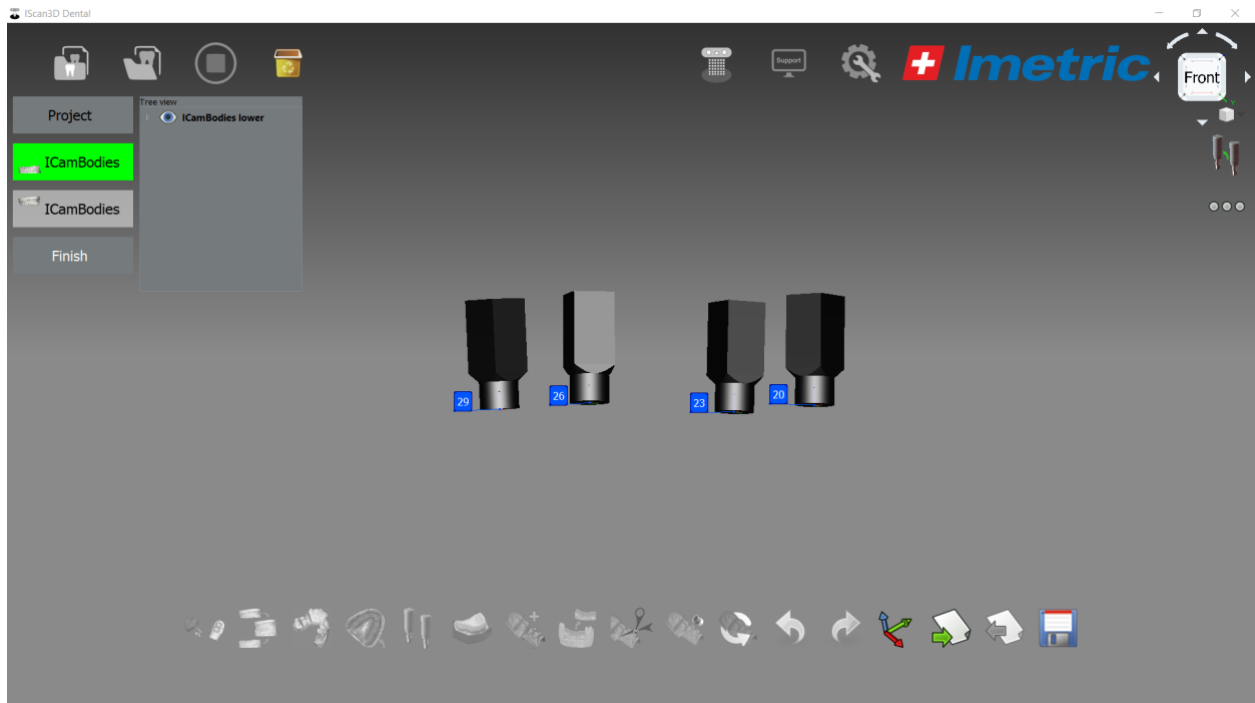

- **Step 11**: Click finish and then right-click on the eyeball that says ICambodies. You will see the first thing on the list is change geometry, click on that.
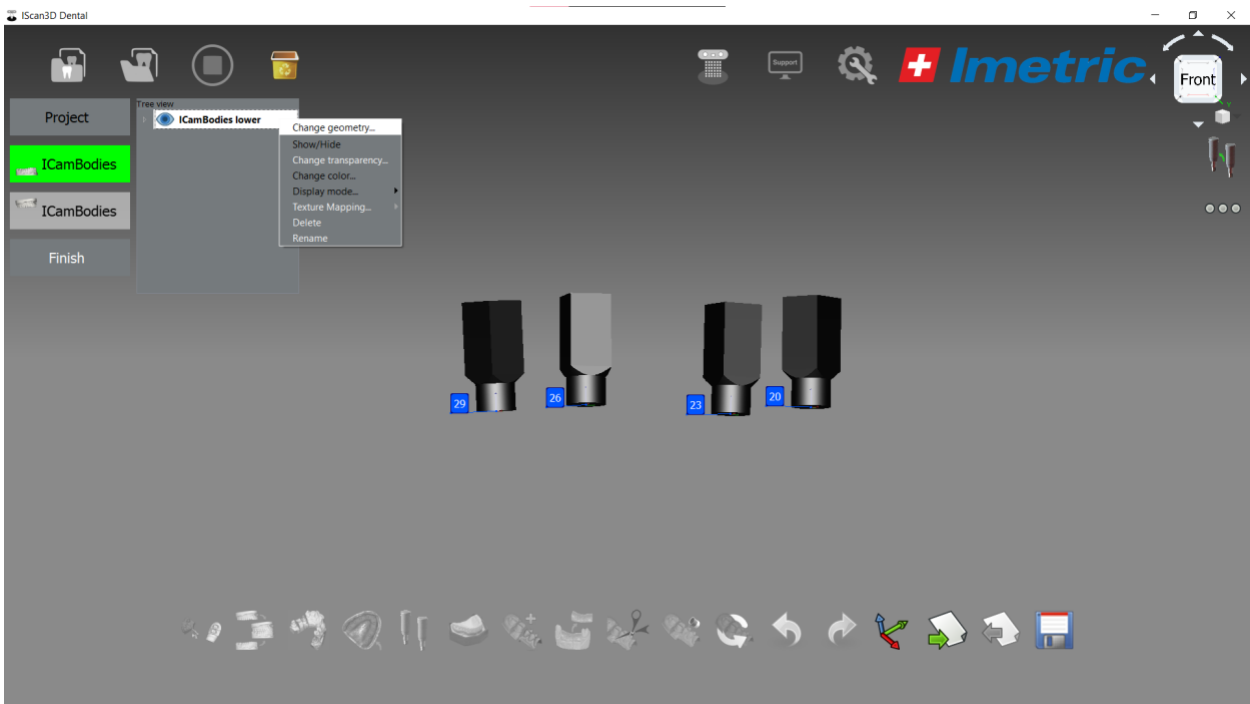
- **Step 12**: This box will pop up and click the drop down menu and pick the reference marker you are using for the soft tissue scan/impression. If you are using the markers that came with the ICam4D, you will select ICamRef MURP Cylinder.stl. Then click ok.
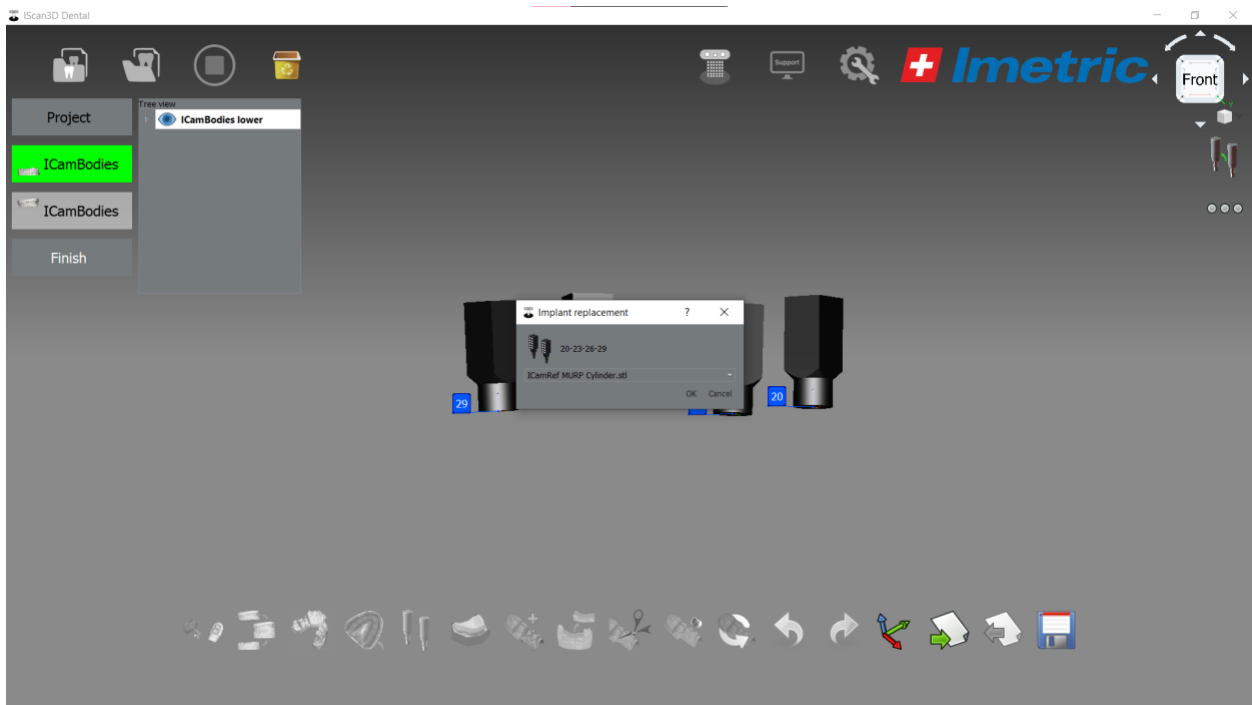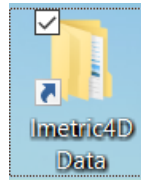

- **Step 13**: Click finish and then click the old school floppy disk icon to save the project. This will shut down the program and save your files.
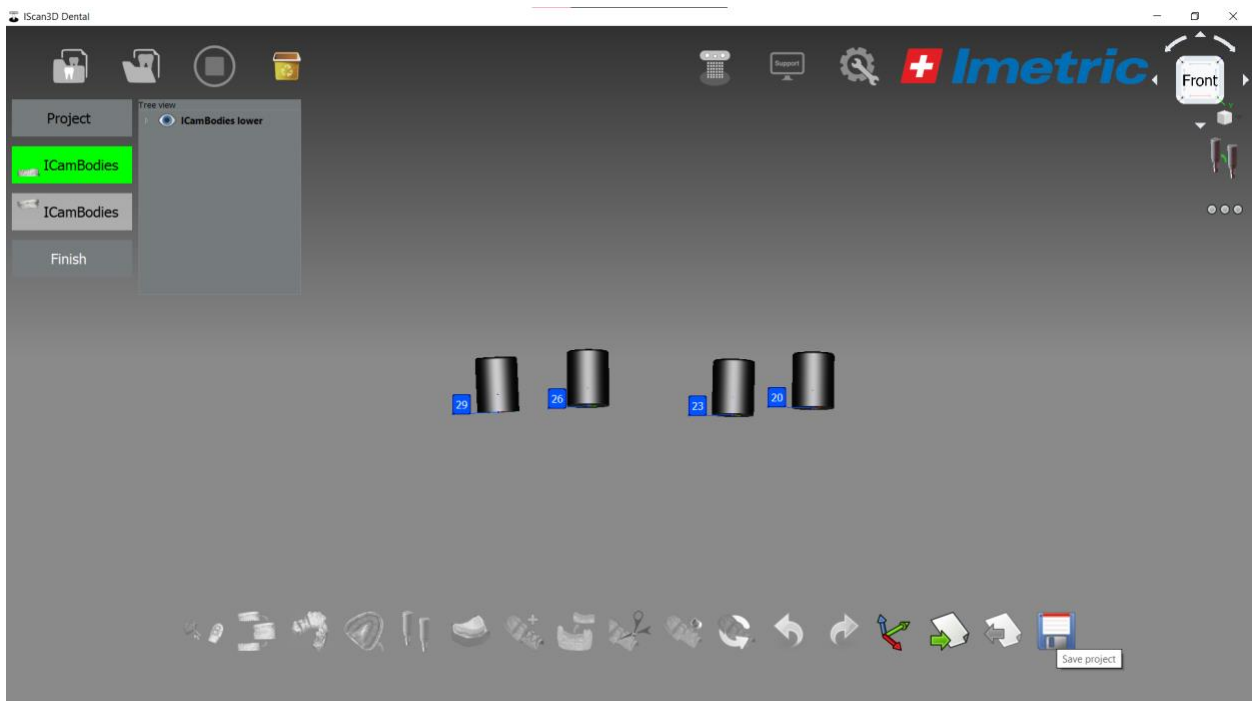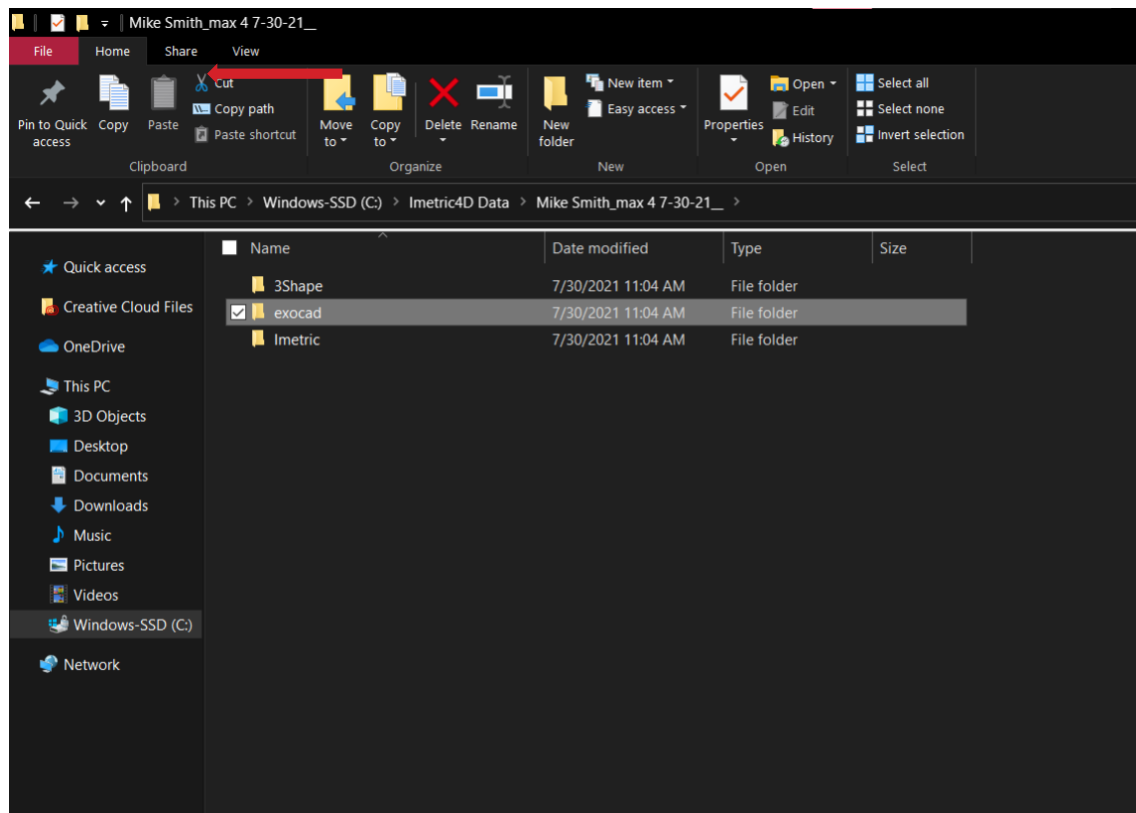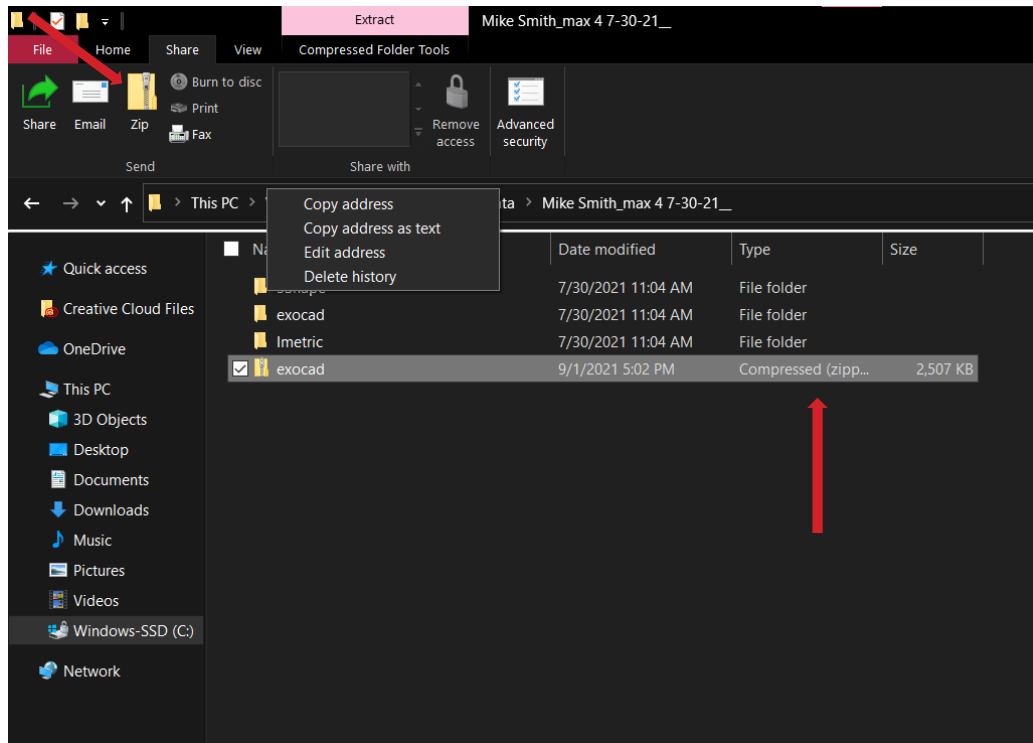
How to send files to a lab:

- **Step 1:** Open the Imetric4D Data

- **Step 2:** Select the patient's file that you are sending to the lab and double click to open it.

- **Step 3:** Choose the file that says exocad, and click the share tab at the top of the screen

- **Step 4:** Zip the file. At this point, it will prompt you to rename the file, but you don't need to.

- **Step 5:** Click the green share arrow and it will open up a pop up asking you to use mail or another program. Choose mail and enter the email address you would like to send the file to.
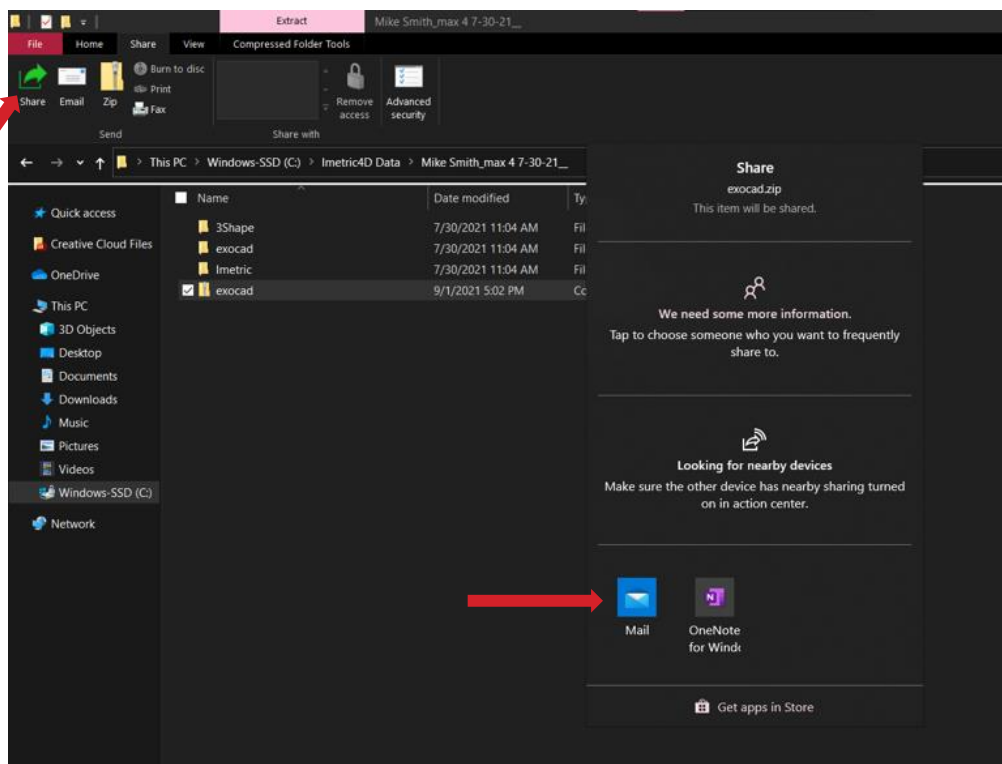
- **Step 6:** Just to be sure the file was sent, go to your email inbox and look at sent emails to confirm it was sent.