

Denracle Solution to Intra-oral Scan Abutment Works

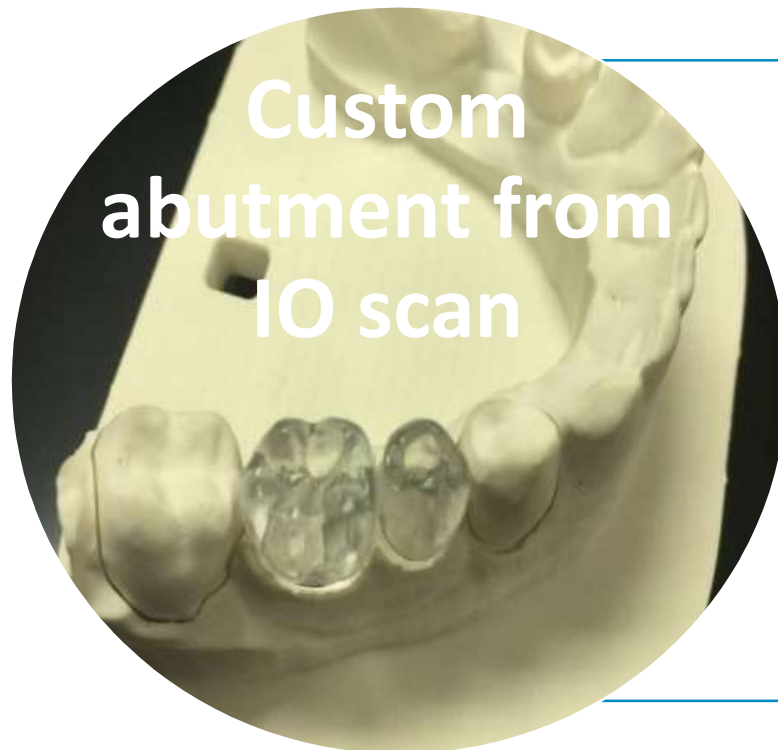
Oct. 18, 2017



- This ppt shows you the application of Denracle IOScan body and digital analog in an oral-scan case for custom abutments.
- The software we used in this ppt could be replaced by EXOCAD or 3Shape abutment and model modules.

Denracle Solution for IO Scan Abutments:

You will need....



**Denracle IO
scan body**

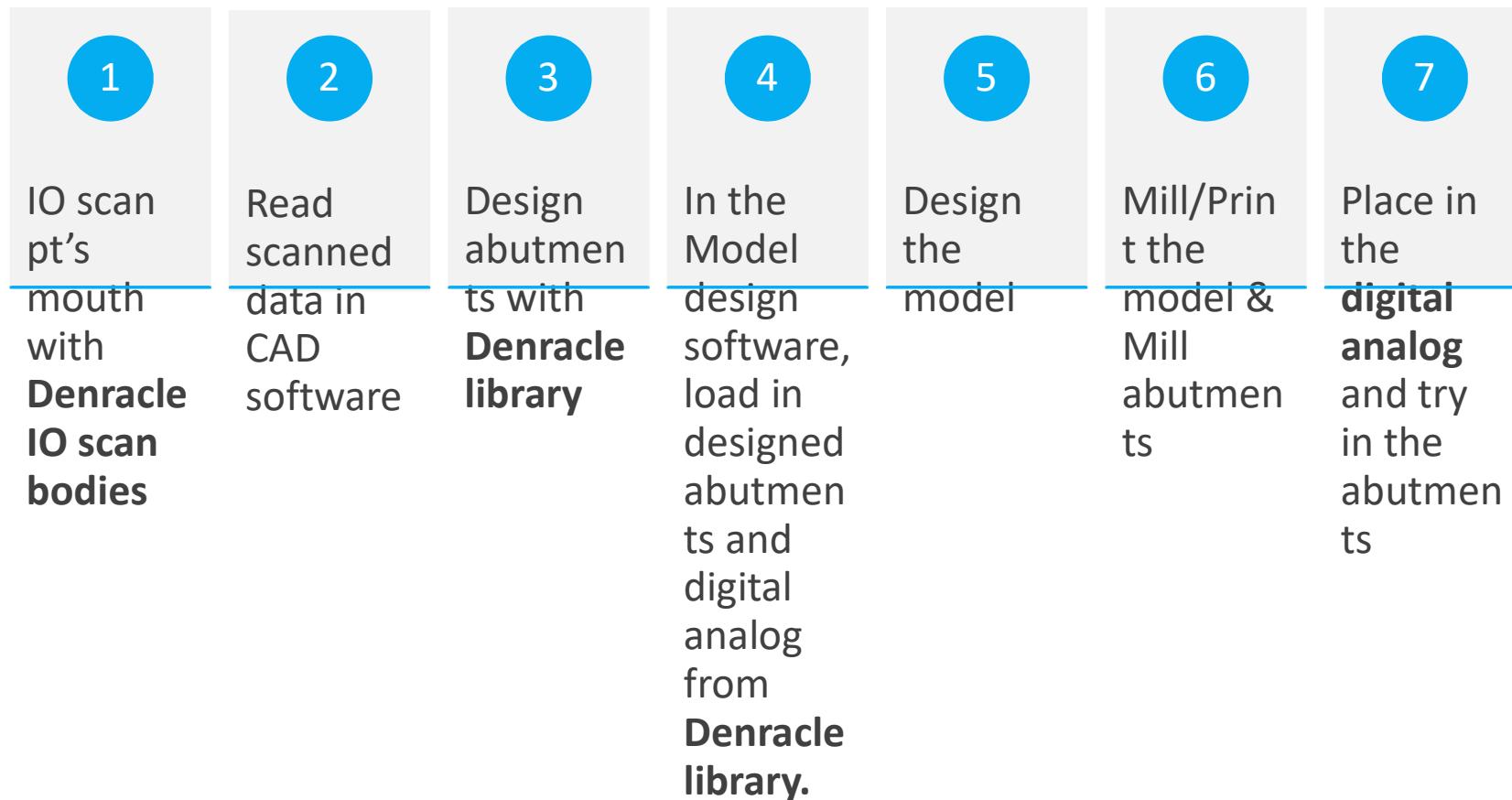


**Denracle
digital
analog**



**Denracle
library for
3shape &
Exocad**

Workflow

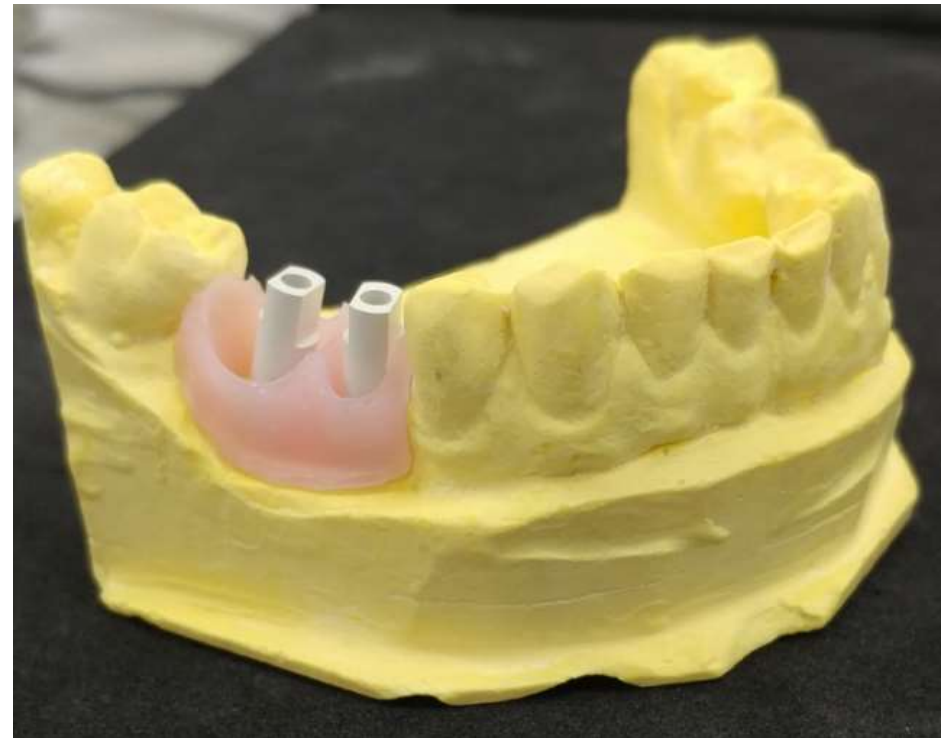
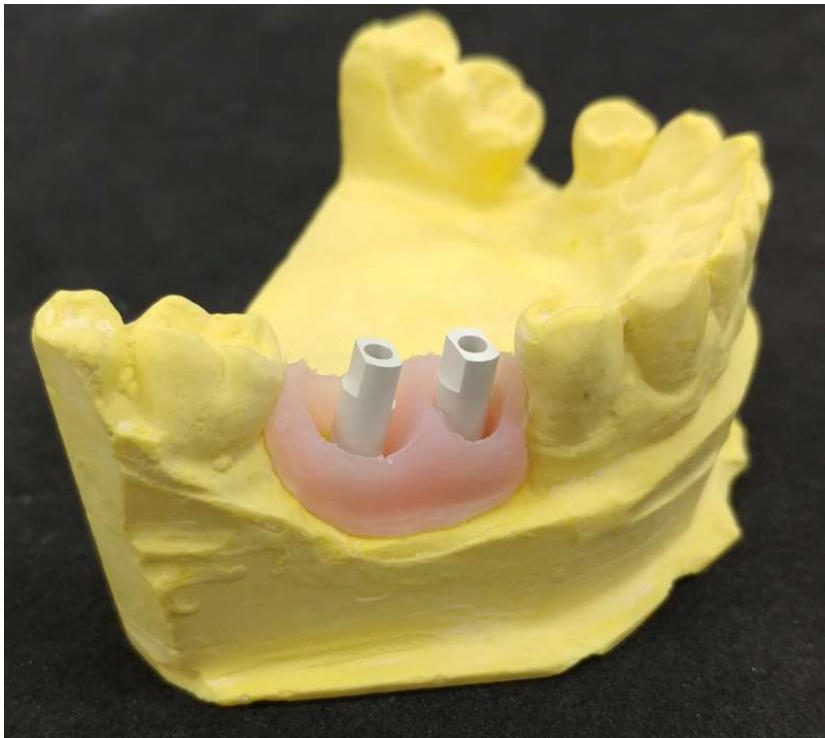


SAMPLE CASE

-INTRA ORAL SCAN CASE-

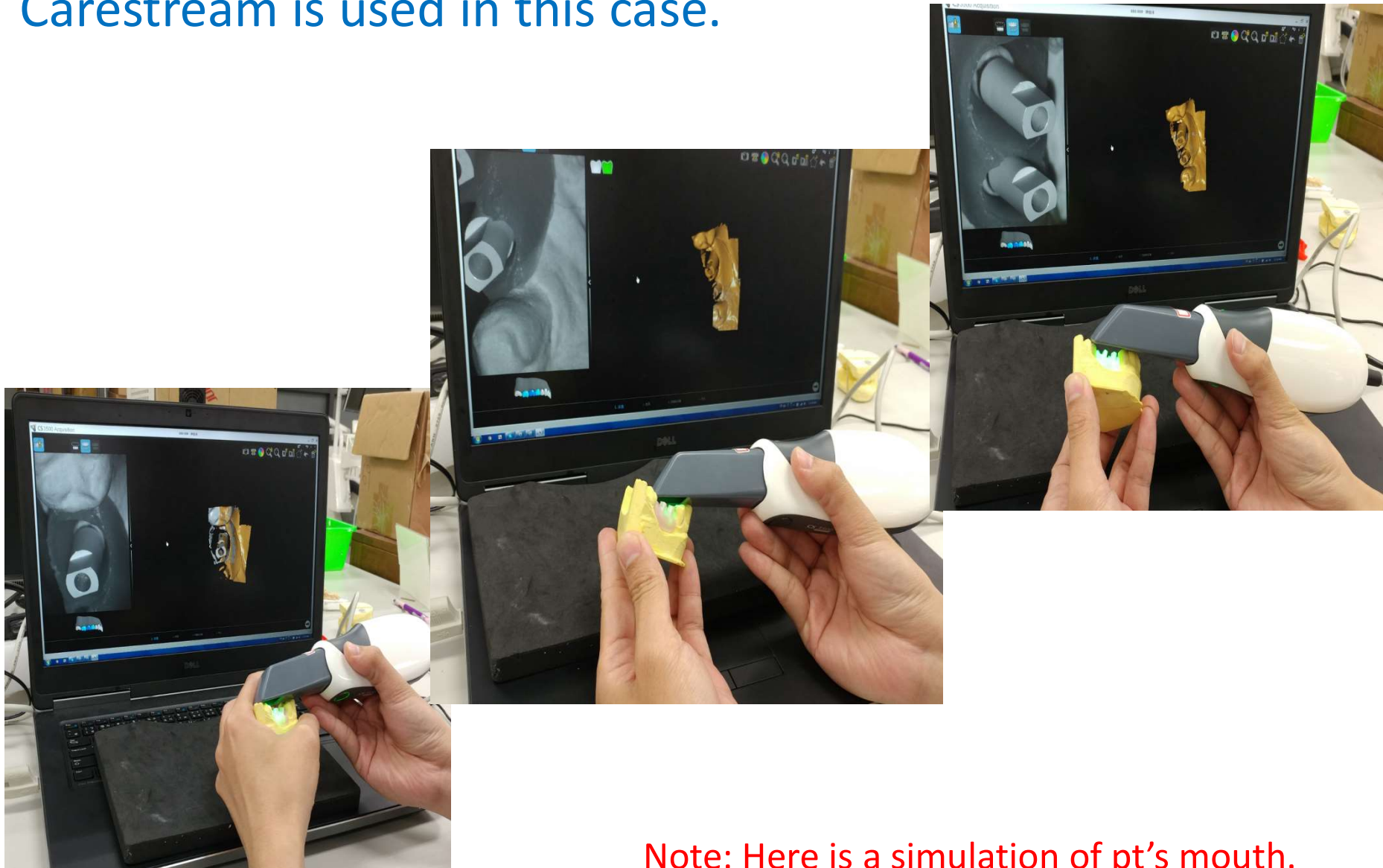
DENRACLE GR SYSTEM -RP

Step 1.1 : Put Denracle IO scan body in pt's mouth



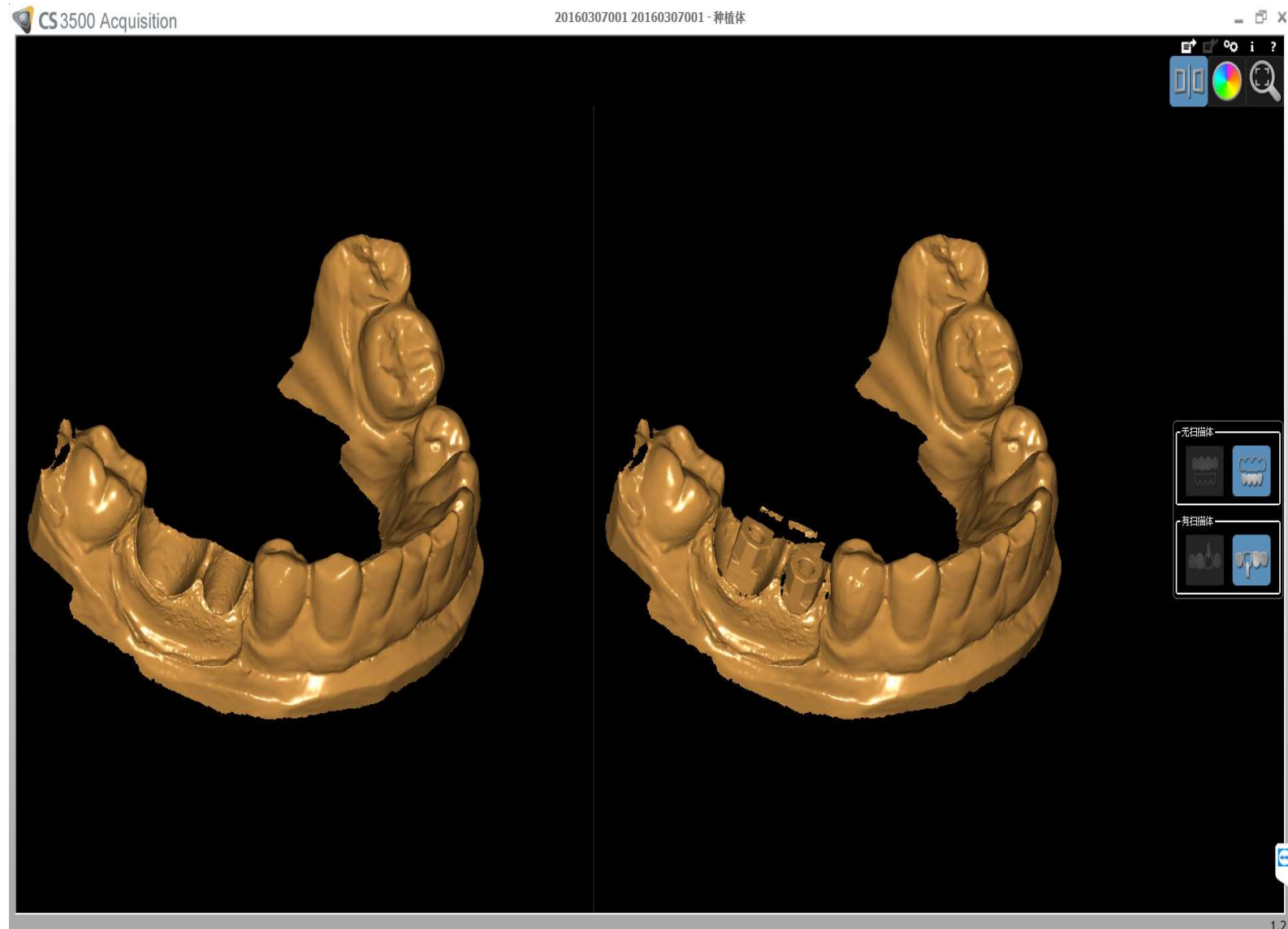
Note: Here is a simulation of pt's mouth.

Step1.2: Scan pt's mouth with an intra-oral scanner.
Carestream is used in this case.

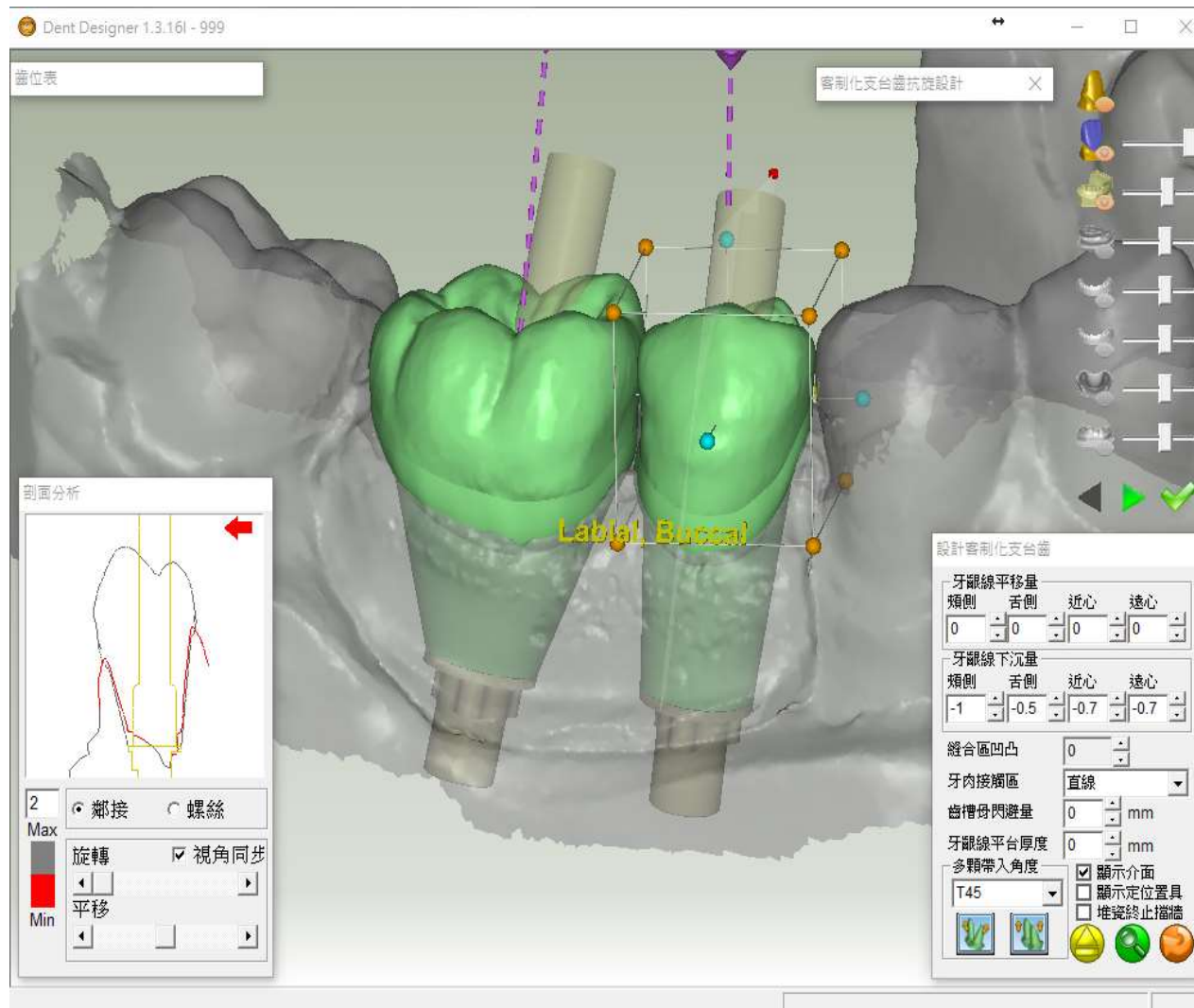


Note: Here is a simulation of pt's mouth.

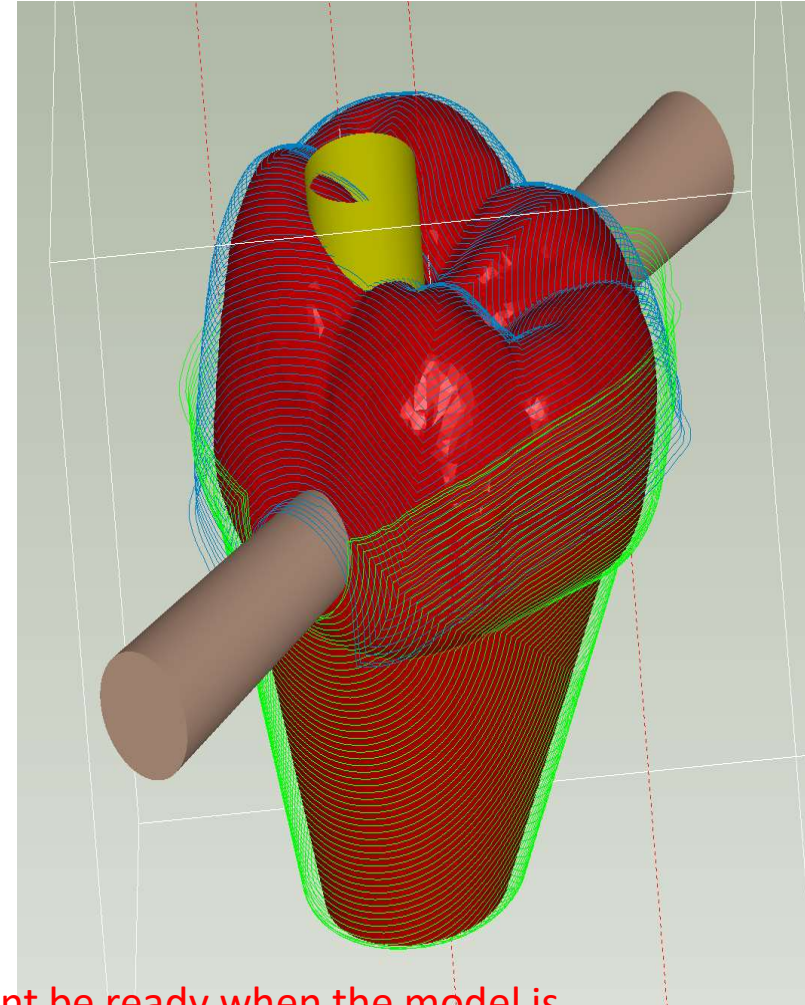
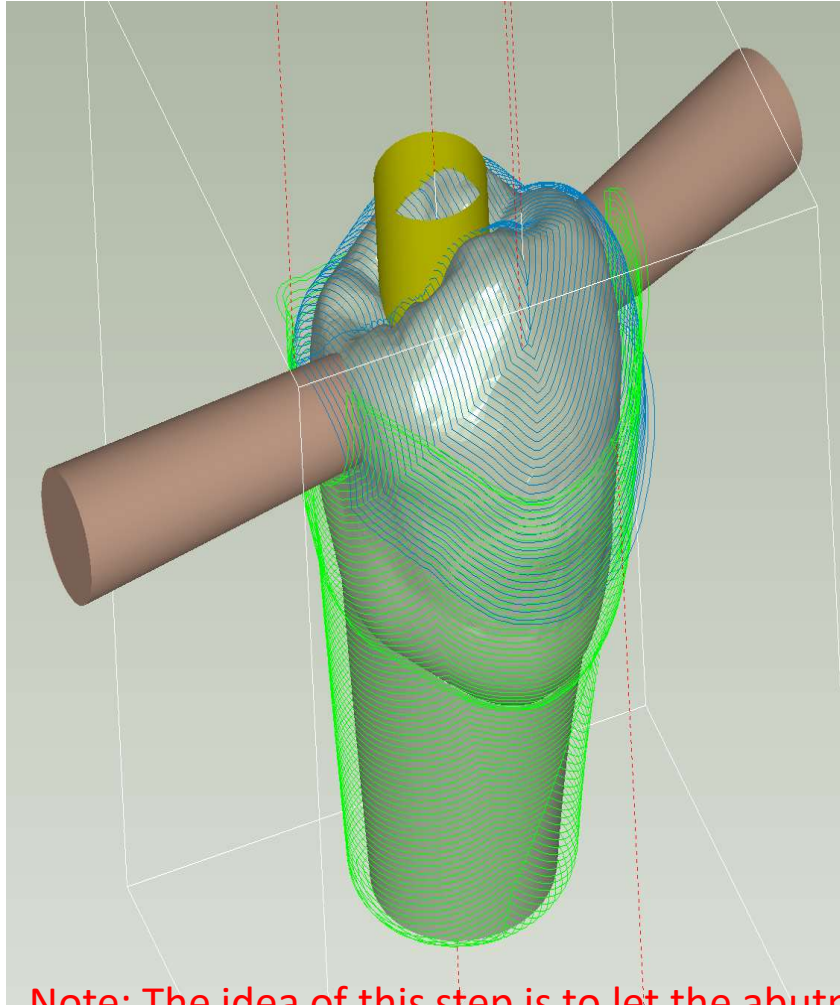
Step 2: Read scan data in software.



Step 3.1: Design abutment and crown (in this case, screw-retain abutments) in your CAD software (EXOCAD or 3shape).

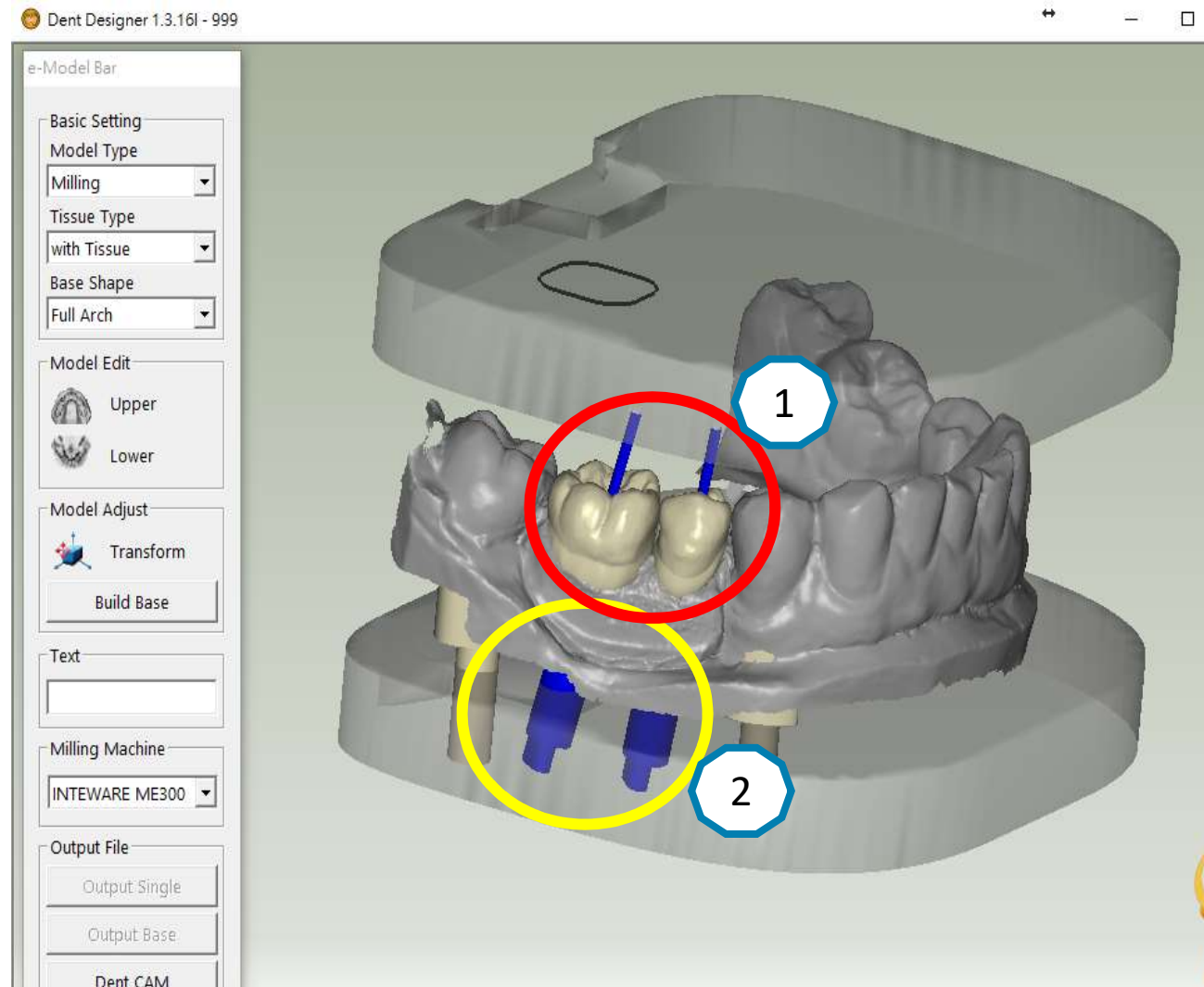


Step 3.2: General tool paths (CAM) for milling the screw-retain abutments designed in step 3.1.

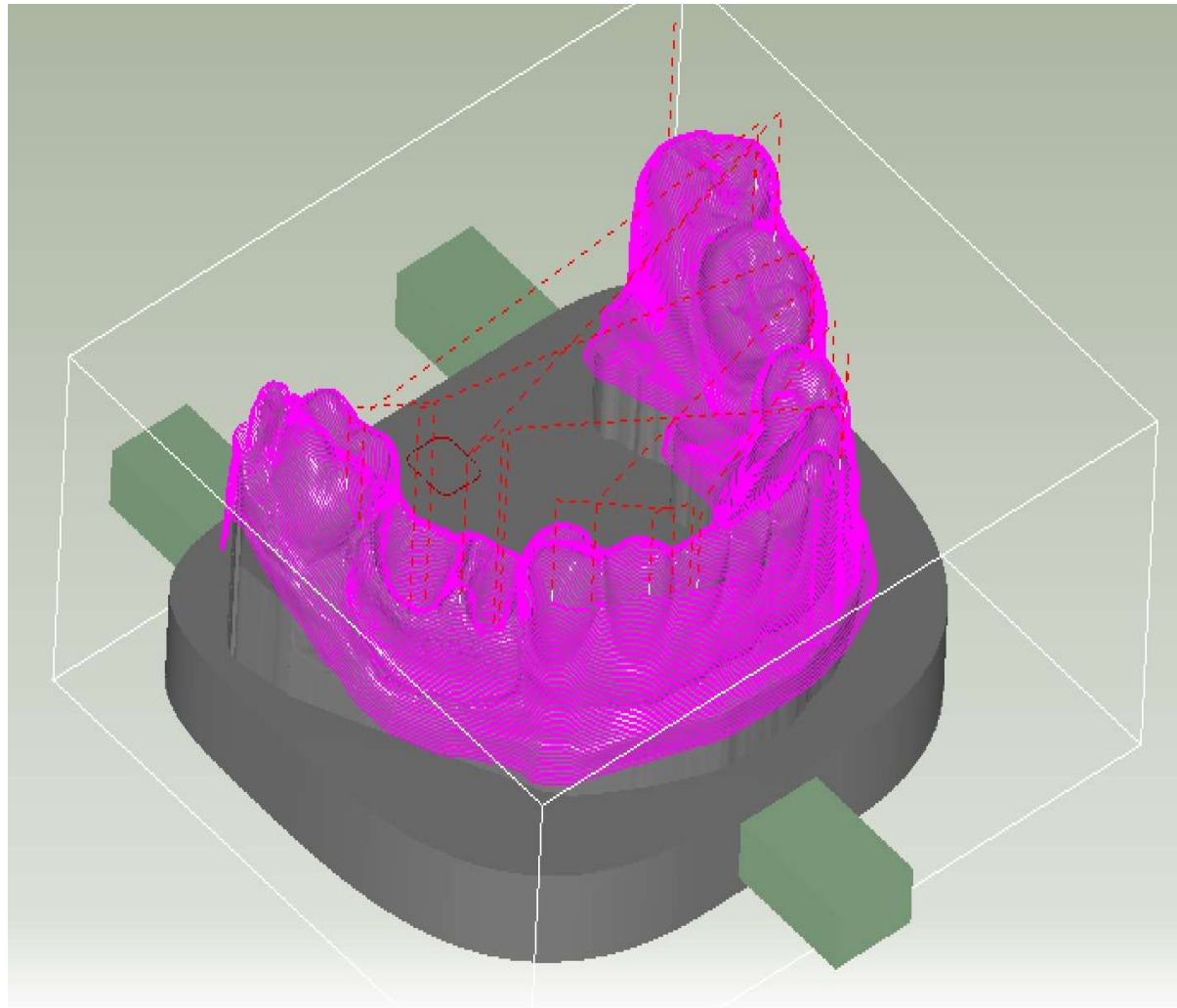


Note: The idea of this step is to let the abutment be ready when the model is printed/milled. So, the CAM path is generated here. It could also be done later if you prefer to produce the model first.

Step 4-5: In the Model Creator module (ExoCAD or 3shape), load in the abutments you've designed (see #1 circled in red), and choose Denracle digital analog database to load in analog data (see #2 circled in yellow).



Step 6: Save the designed model with digital analog position. Output the STL file to print or mill the model. In this case, we mill the model.



Step 7 Finished Products

(Left) Milled model with digital analogs cemented in.

(Middle) milled models with screw-retained abutments

(right) screw the abutments on digital analogs



Why Denracle Digital Dentistry?

- Lab could start to take i/o scan works from dentists.
- Lab could print/mill the model as well as fabricate the abutments simultaneously to save time.
- Try-in with the digital analog in the e-model.
- No need of stone model or bury conventional analogs anymore i.e. **SAVE SHIPPING FEE and TIME.**
- Denracle offers comprehensive components for your need such as model scan bodies, aesthetic abutments, healing abutments, analogs...