

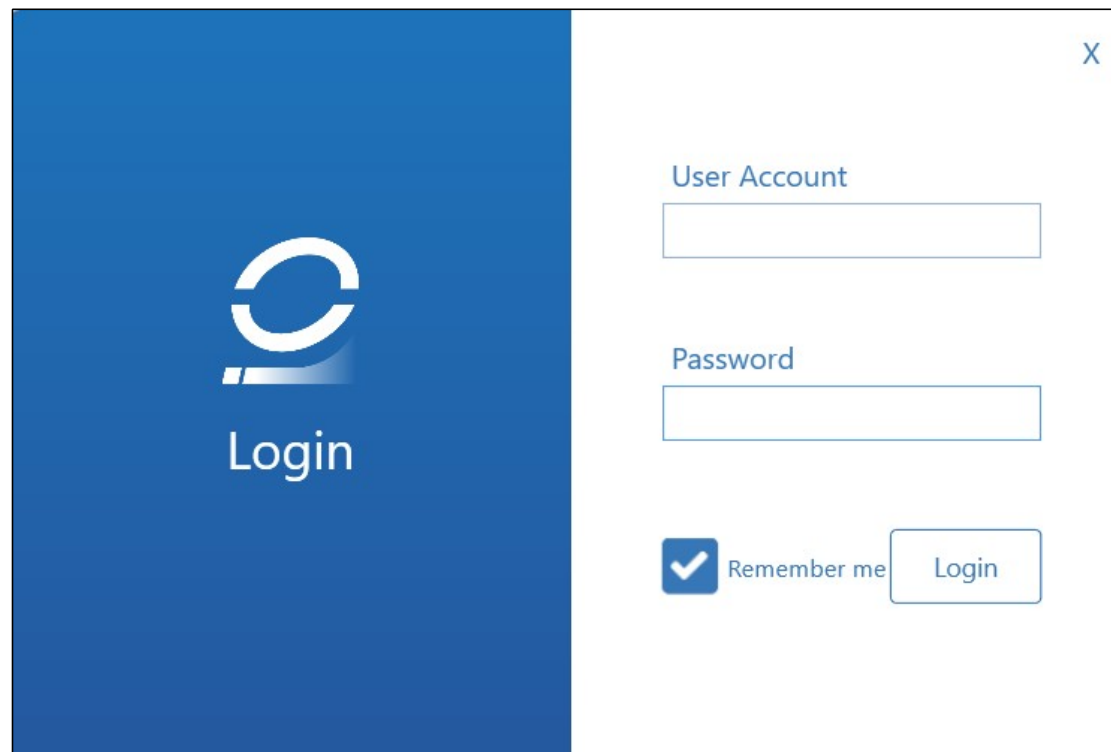
PLANIMAX CRASH COURSE

We are **Choice**, your best choice.



ACCOUNT & LOGIN

- There are 3 types of account **Dentist**, **Technician** and **Manager**.
- To be able to get access to the program, an **account** of any types is **compulsory**.

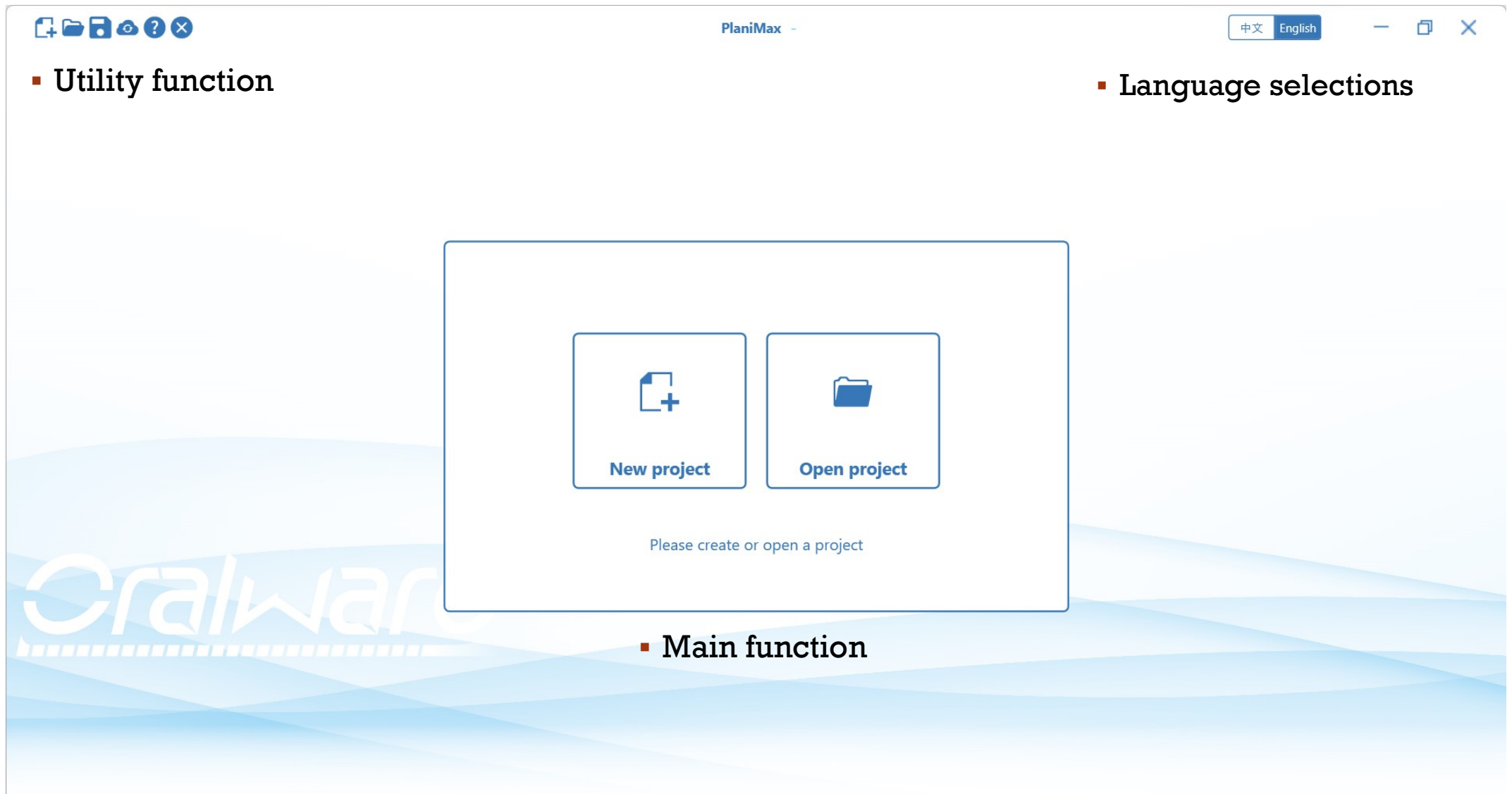


The image shows a login form with a blue sidebar on the left containing a white logo and the word "Login". The main form area is white and contains the following elements:

- A close button (X) in the top right corner.
- A label "User Account" above a text input field.
- A label "Password" above a text input field.
- A checked checkbox labeled "Remember me" next to a "Login" button.

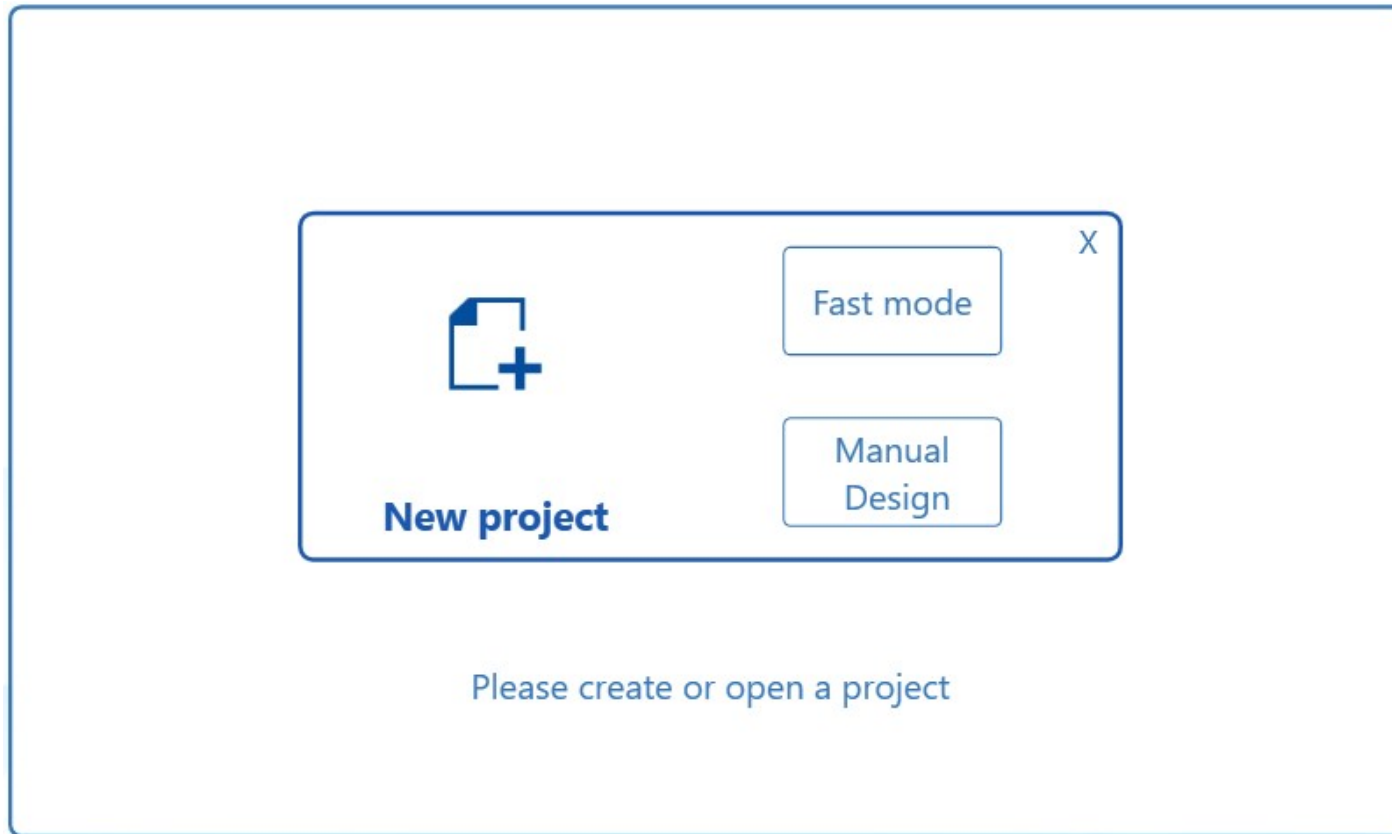


FRONT PAGE USER INTERFACE



CREATE NEW PROFILE

- After selected **New project** chose **Manual Design**
- Video guide: https://youtu.be/FcK2m6_SLMA (Slide 4 - 7)



CREATE NEW PROFILE (BASIC INFO & SETTING)

- Fill in **Clinic**, **Doctor** and **Patient** name in **Basic Info**.
- Tick **Design** (Setting teeth, Ceph analysis, Simulation) and **B. Clear Aligner** in **Treatment** box.
- If doctor have any specific **instructions** fill it in **blank square** on lower left.

Oralware

Oralware Digital Aligner Instructions
2024/11/20

Basic Information Clinic Better smile better life Clinic Tel. Doctor Deeze Doctor Tel. Patient Batt Tif E Mail LINE ID Due Date 2024-11-20	Treatment ☒ Design (Setting teeth, Ceph analysis, Simulation) ☐ A.IDB ☒ B. Clear Aligner ☐ Combined treatment (A+B)	Aligner information Endodontics N/A Set Implant N/A Set Extraction N/A Set
	Digital Data + + + + Cast Ceph Pano Photo	Dentist special instructions

Confirm

Cancel



CREATE NEW PROFILE (CAST)

Digital Data

			
Cast	Ceph	Pano	Photo

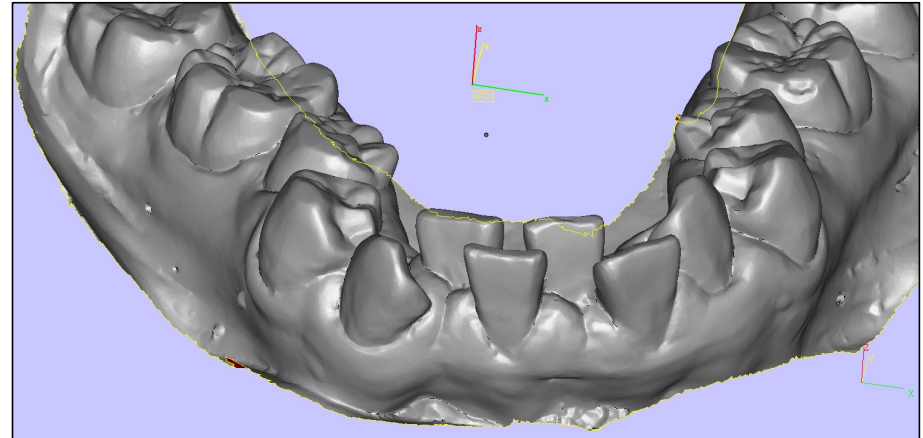
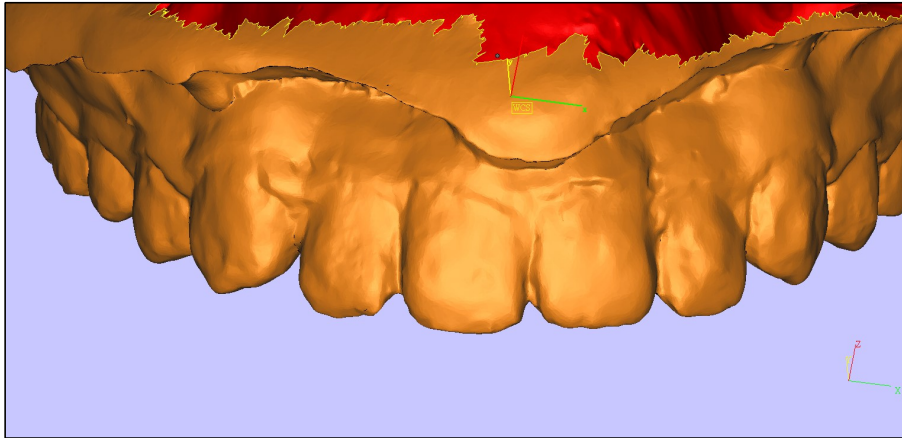
Select Cast STL

Maxilla		Browse	No STL files	☒
Mandible		Browse	No STL files	☒

- Adding **Cast** (.stl files) by clicking the **plus sign**. A new small window will pop up then use **Browse** to locate and upload stl files of Maxilla and Mandible.
- Make sure .stl files name does not contain **non-English** characters before **Browse** and tick all the necessary box to add **Cast**
- The **closer** .stl files size to **10.000 kb** the better.



THINGS TO PAY ATTENTION ABOUT CASTS



- Most of the time plaster scan stl is not as clean as oral scan stl.
- Bad stl scan can result to aligners unfit for patient.
- Before scanning making sure patient have clean and dry oral enviroment, in order to lessen discrepancy.
- When oral scanning remind patient to lightly bite while scaning for occlusion.



CREATE NEW PROFILE (CEPH)

- Adding **Ceph** also by clicking the **plus sign** then a new window (1) will appear.
- Choose **Add Ceph Image** a second small window (2) will show up. Choose patient treatment **stage** on the first row and browse picture by using the **plus sign** on second row. Then click OK.
- **Save** before **Exit** the first window (3).



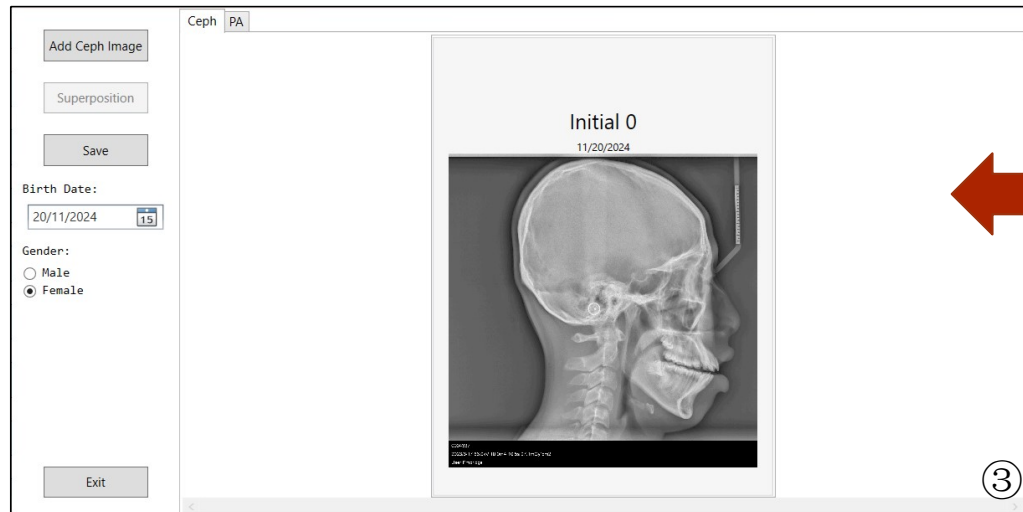
①

Buttons: Add Ceph Image, Superposition, Save, Exit

Birth Date: 20/11/2024

Gender: ☐ Male ☒ Female

Ceph PA



③

Buttons: Add Ceph Image, Superposition, Save, Exit

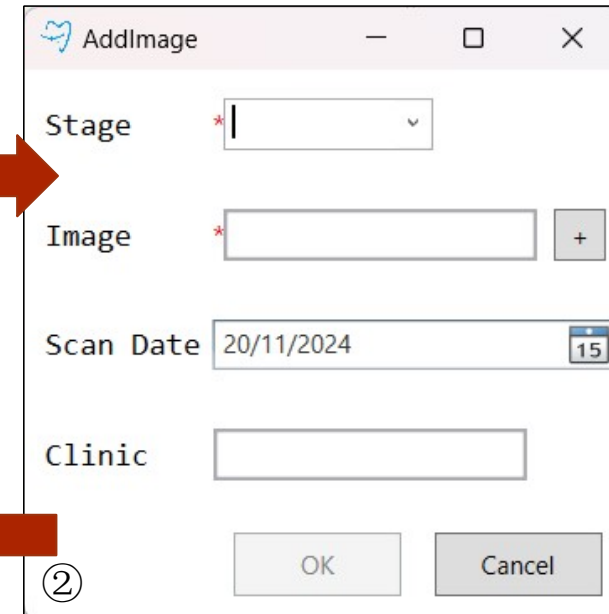
Birth Date: 20/11/2024

Gender: ☐ Male ☒ Female

Ceph PA

Initial 0
11/20/2024

Ceph image displayed



②

Buttons: AddImage, OK, Cancel

Stage: [dropdown]

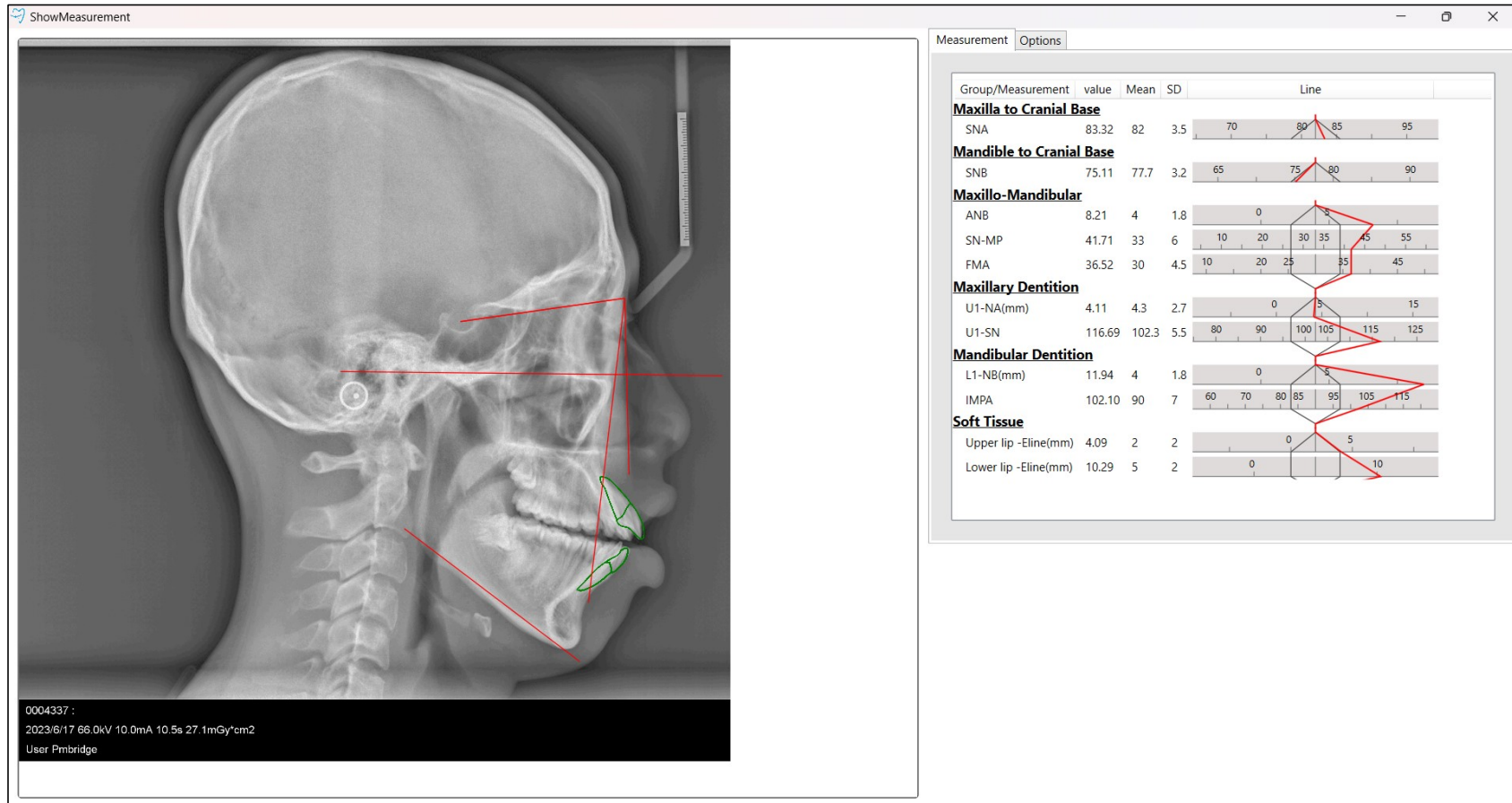
Image: [text box] +

Scan Date: 20/11/2024

Clinic: [text box]



CEPH'S FUNCTION



- Ceph (Cephalometric X-ray) can be analysed to give us a better understand of patient situation



CREATE NEW PROFILE (PANO)

- Show roots angle
- Whether third molar existed
- Which tooth is Endo, Implant, Extracted, Crown, Bridge or Hypodontia (Missing Teeth)
- Extremely importance



0004337 :

2023/6/1 72.0kV 9.0mA 19.1s 118.6mGy*cm2

User Pmbridge



CREATE NEW PROFILE (PHOTO)

- Adding **Photo** same as before click **plus sign** a new window pop up (1), choose **New**
- Video guide: <https://youtu.be/r445LEHUCE8> (Slide 9-10)

- A **second window** will pop up (2) Input picture according to description by click in the **square** and browse picture

Photo Gallery Dialog

Patient information

Clinic: Better smile better life Doctor: Deeze

Patient: Batt Tif Layout: Gallery623

☒ Show Guideline

Select Date

New

①

新增相片集

Patient information

Clinic: Better smile better life Doctor: Deeze

Patient: Batt Tif Select Date: 20/11/2024

☒ Show Guideline

Better smile better life Deeze

Batt Tif

11/20/2024 5:09 PM

Facial Profile Right Facial Side Right Facial Front Facial Front Smile Facial Side Left Facial Profile Left

Occlusal Upper Occlusal Lower

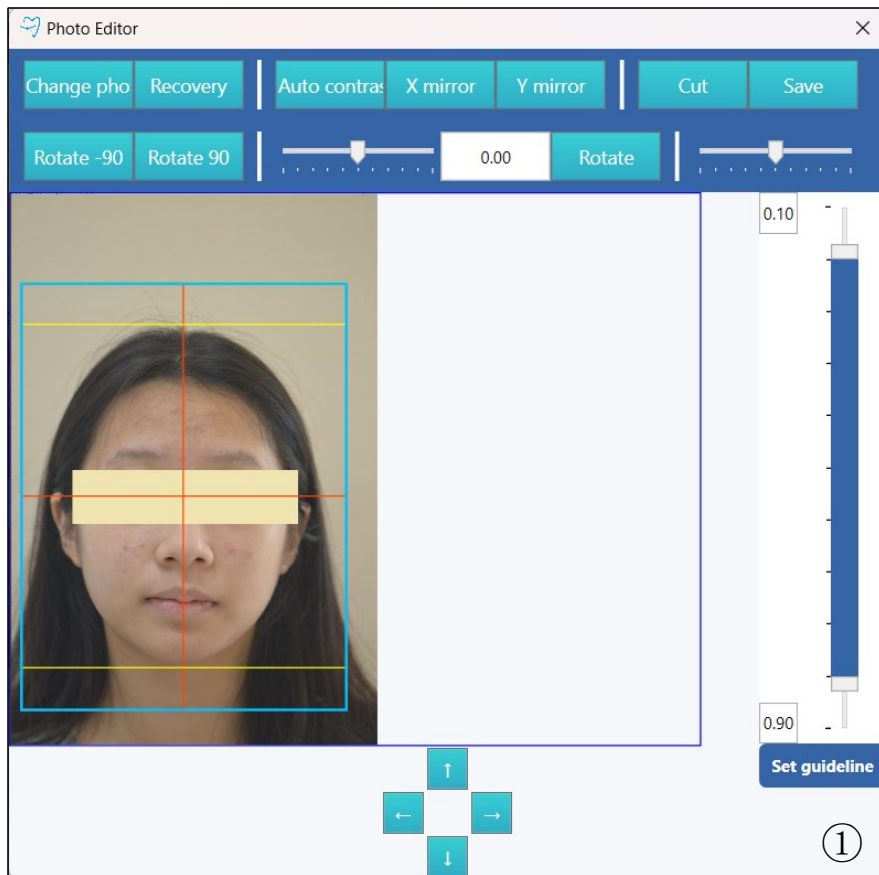
Intraoral Right Intraoral Center Intraoral Left

OK Cancel

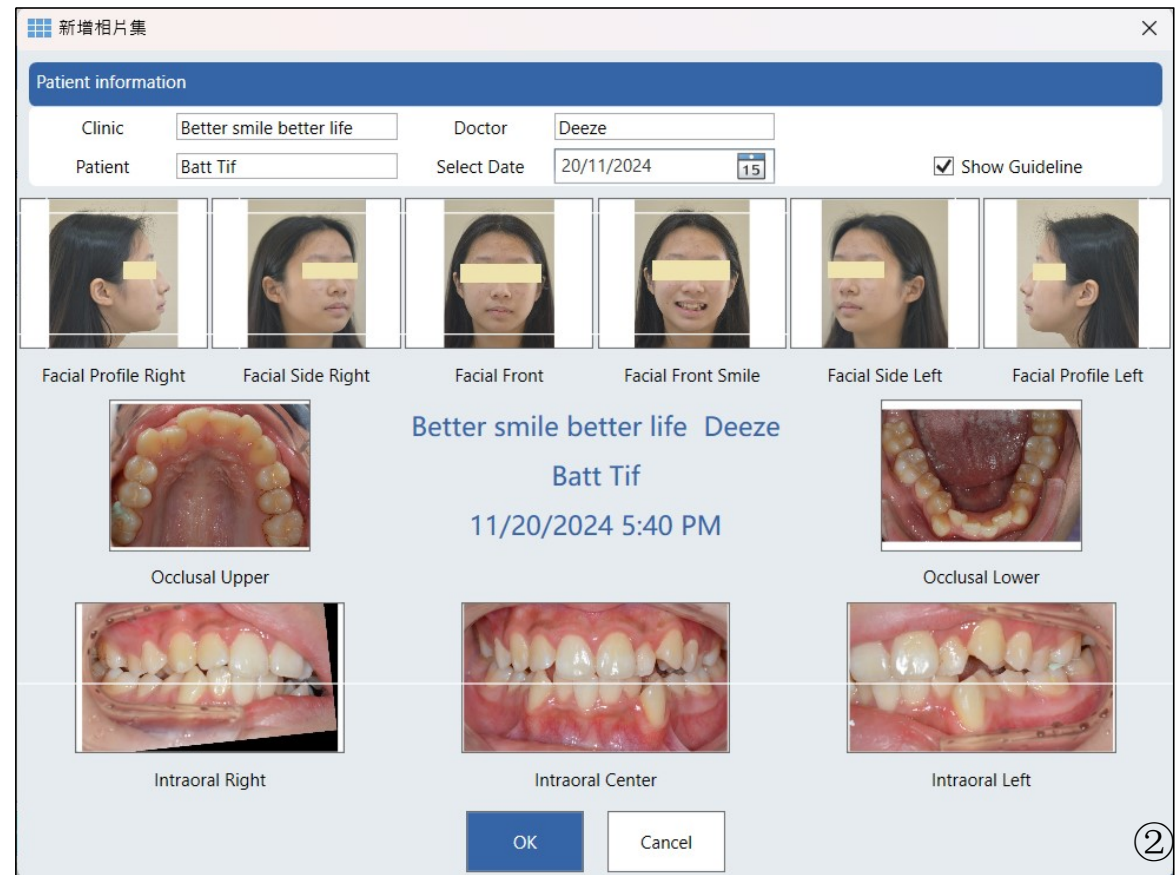
②

CREATE NEW PROFILE (PHOTO)

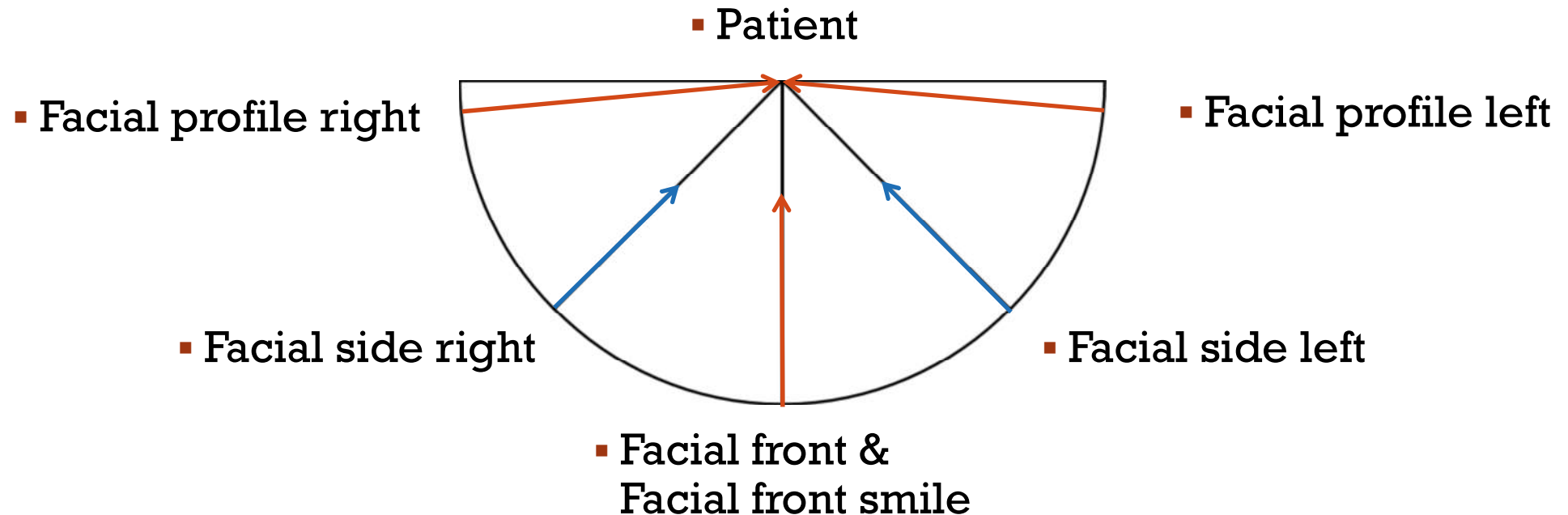
- Every time you choose a picture the **third small window** (1) will pop up. It allow you to **edit** the photo if needed



- Choose **Ok** then **turn off** the first window (2)



THINGS TO PAY ATTENTION WHEN TAKING PHOTO

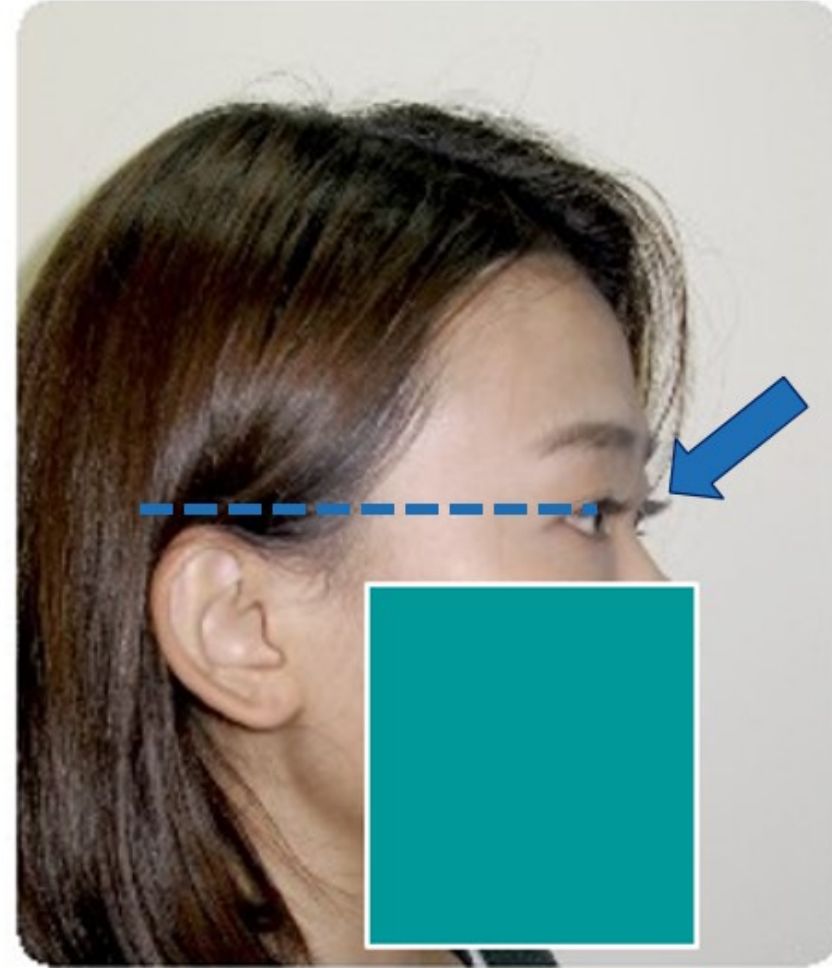
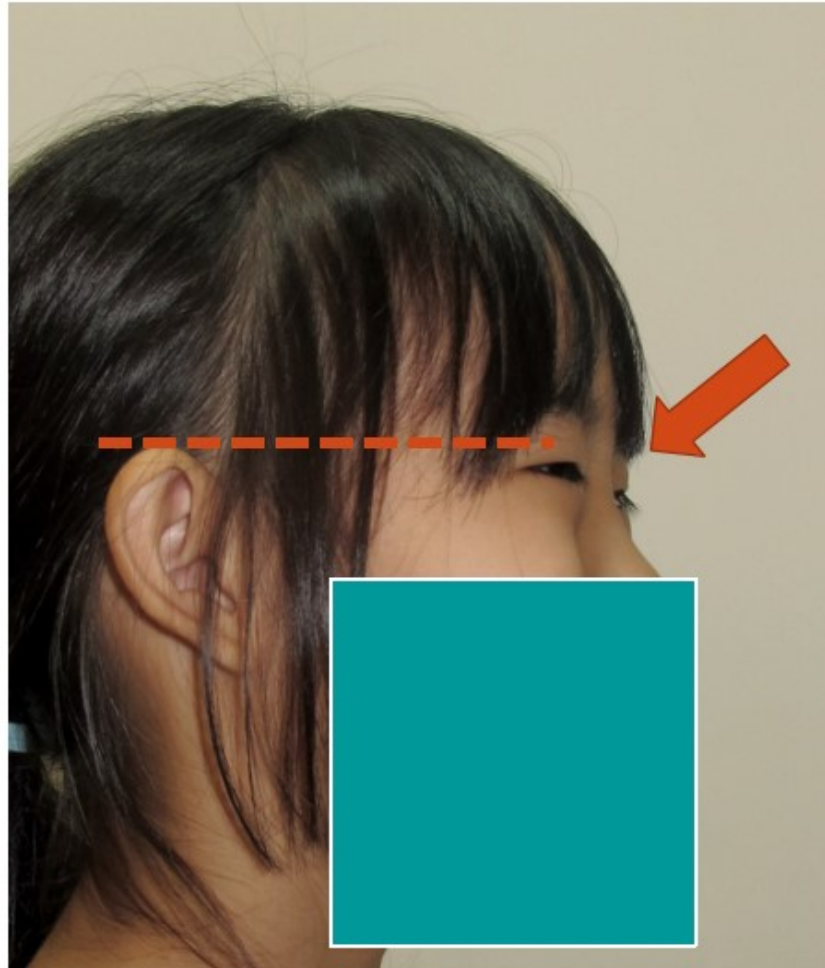


- Since we **can't directly interact** with patient, pictures from **5 angles** will provide a better understand of patient look (E-line, Angle Classification).
- The **facial front smile** picture show the **middle line** of maxillary and mandible.
- Thus these **6 pictures** is also **extremely importance**.



THINGS TO PAY ATTENTION WHEN TAKING PHOTO

- Both eyes and ear should be on the same line.
- The other side eyelash need to be visible.



THINGS TO PAY ATTENTION WHEN TAKING PHOTO



- Every picture after the initial one should be taken at the same angle.



THINGS TO PAY ATTENTION WHEN TAKING PHOTO



- When take facial side pictures remind patient not to look at the camera.



THING TO PAY ATTENTION WHEN TAKING PHOTO

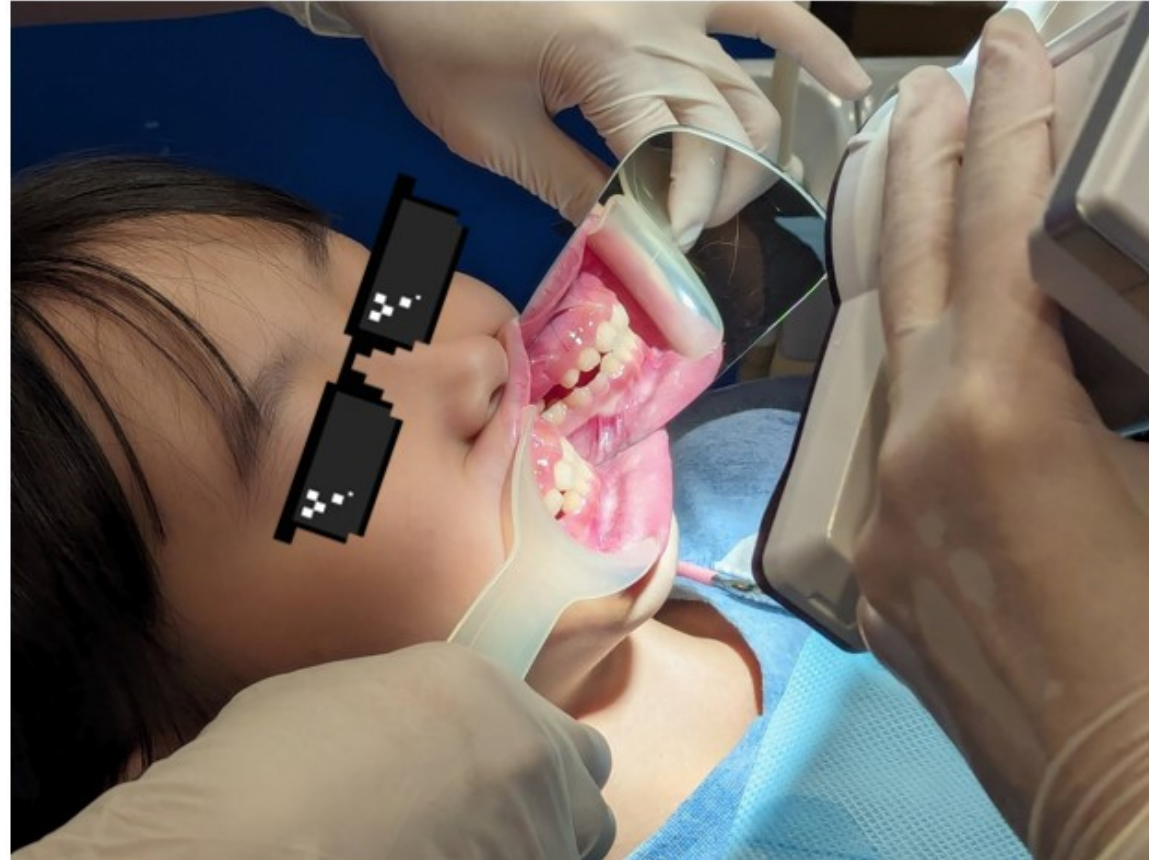


- Example of corect angle



THINGS TO PAY ATTENTION WHEN TAKING PHOTO

- When taking intraoral photos, occlusion mirror, oral retractor and a camera.
- **Intraoral photos** will help to deduct patient occlusion in case there are is error while scanning bite. Which make these photos also **extremely importance** as well.



CREATE NEW PROFILE (FINAL)



Oralware Digital Aligner Instructions

2024/11/20

Basic Information

Clinic

Better smile better life

Clinic Tel.

Doctor

Deeze

Doctor Tel.

Patient

Batt Tif

EMail

LINE ID

Due Date

2024-11-20

Treatment

☒ Design(Setting teeth, Ceph analysis, Simulation)

☐ A.IDB

☒ B.Clear Aligner

☐ Combined treatment (A+B))

Digital Data



Cast



Ceph



Pano



Photo

Aligner infomation

Endodontics

N/A

Set

Implant

N/A

Set

Extraction

N/A

Set

Dentist special instructions

Confirm

Cancel

▪ Confirm and you are done with creating new profile.



MAIN USER INTERFACE

The screenshot displays the PlaniMax software interface for a dental case titled "20241120-Batt Tif#01". The central area features a 3D model of a dental arch with a red segment highlighted. The interface includes several panels and toolbars:

- Manual Design Panel (Left):** Contains fields for "Clinic" (Better smile better life), "Clinic Tel.", "Doctor" (Deeze), "Doctor Tel.", "Patient" (Batt Tif), "Due Date" (2024-11-20), "Treatment" (B.Clear Aligner), and "Dentist special instructions".
- Display Panel (Right):** Includes checkboxes for "Maxilla", "Mandible", and "Cast" (checked). It also has checkboxes for "Tooth", "Cast", "Translucent", and "Study Model".
- Attachment Panel (Right):** Includes checkboxes for "Gum", "Root" (checked), "IPR", "Grid", "Bracket" (checked), "Attach" (checked), and "Arch wire".
- Bottom Toolbar:** Contains icons for "Segment", "AI Assistant", "Set Axis", "Attach", "Move", "Approve" (highlighted), "Save", "Submit", and "View plan".
- Top Bar:** Includes a language selector (Chinese/English) and window controls.

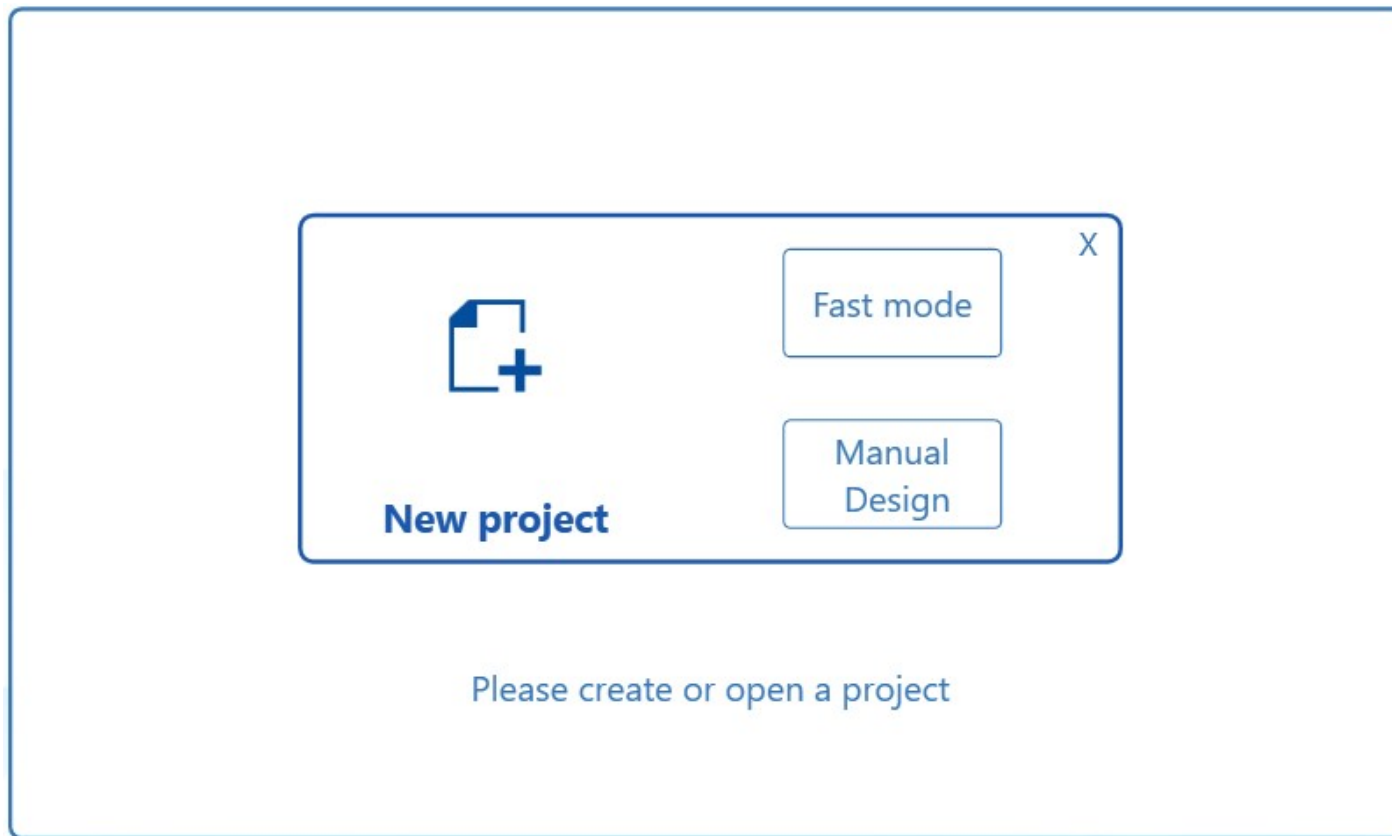
Annotations and instructions are provided for the interface:

- Always save first:** Indicated by a red arrow pointing to the "Save" icon in the top toolbar.
- Basic info:** Indicated by a red arrow pointing to the "Patient" field in the Manual Design panel.
- Left click to turn angle and right click to drag:** Indicated by a red arrow pointing to the 3D model.
- Display box (Cast and Translucent):** Indicated by a red arrow pointing to the Display panel.
- Press Submit to upload case to the cloud sever:** Indicated by a red arrow pointing to the "Submit" button in the bottom toolbar.

The "Cralware" logo is visible in the bottom left corner.

PROJECT CREATION WITH FAST MODE

- After selected **New project** chose **Fast mode**
- Video guide: <https://youtu.be/cNeaFXBQSjU> (Slide 20 - 21)



PROJECT CREATION WITH FAST MODE

CHOICE
BIOTECH

2024-11-21

Basic Information

Clinic

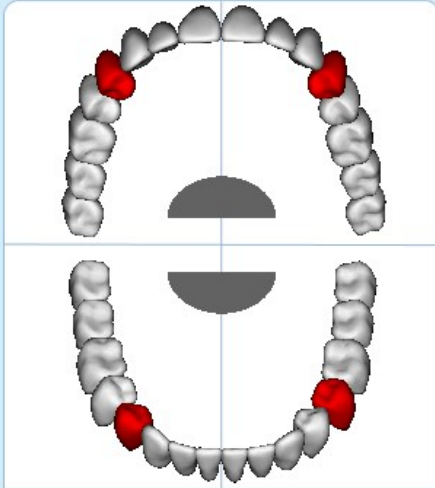
Doctor

Patient(*)

Digital Data

Maxilla(*)

Mandible(*)



Extracted teeth 35 44 14 24

- Fill in basic info

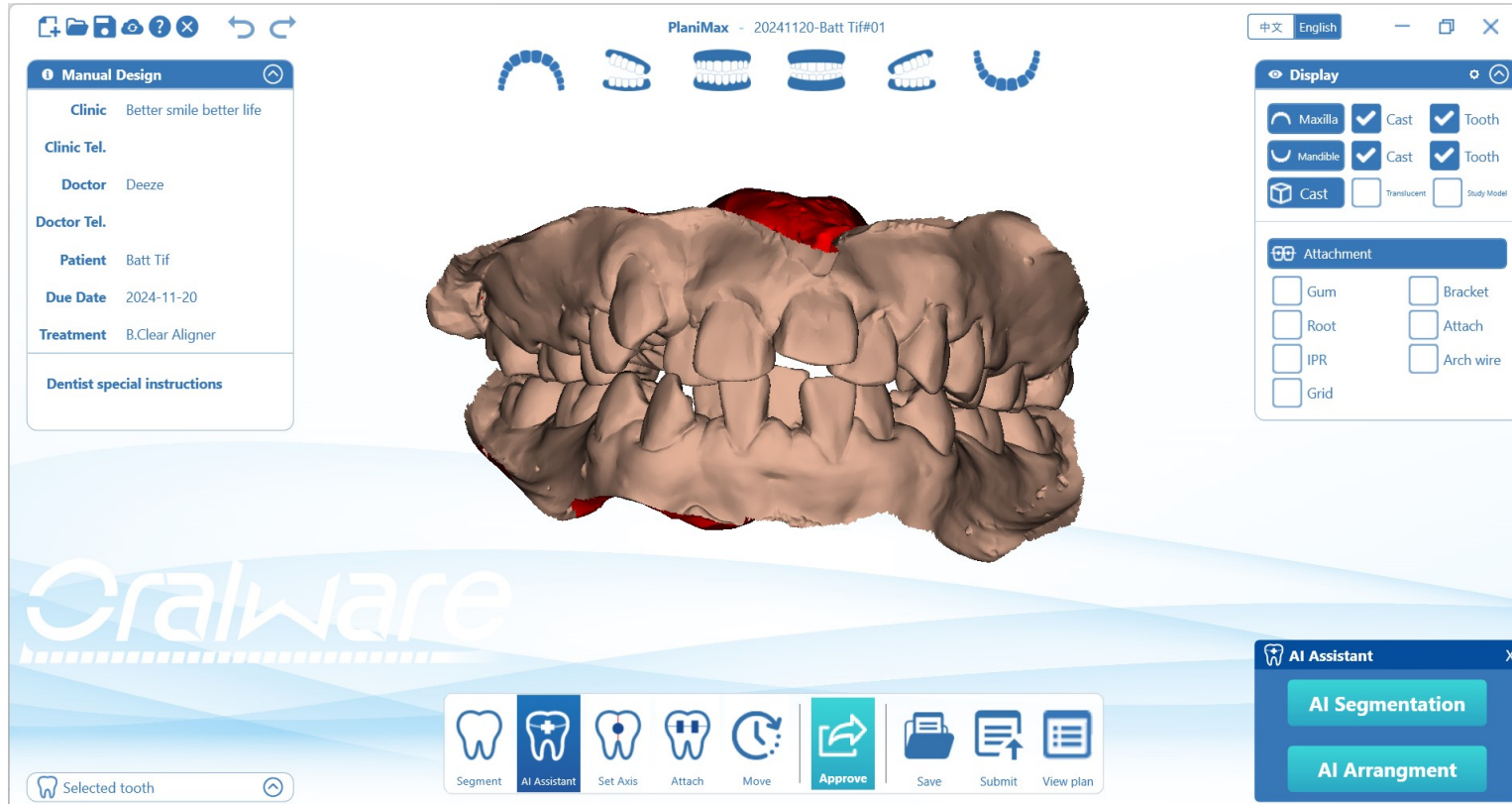
- Browse .stl files

- If there are any extracted teeth just mark them by one click on it.

- Select Build if you had finished other action



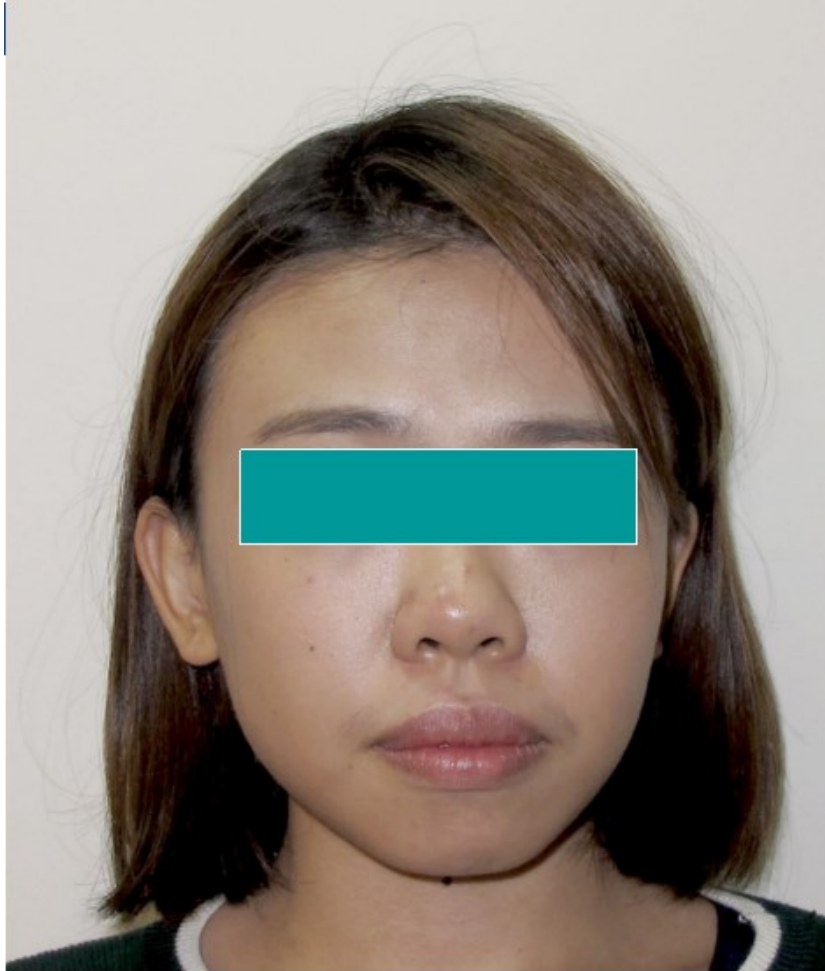
AI SEGMENTATION & AI ARRANGMENT



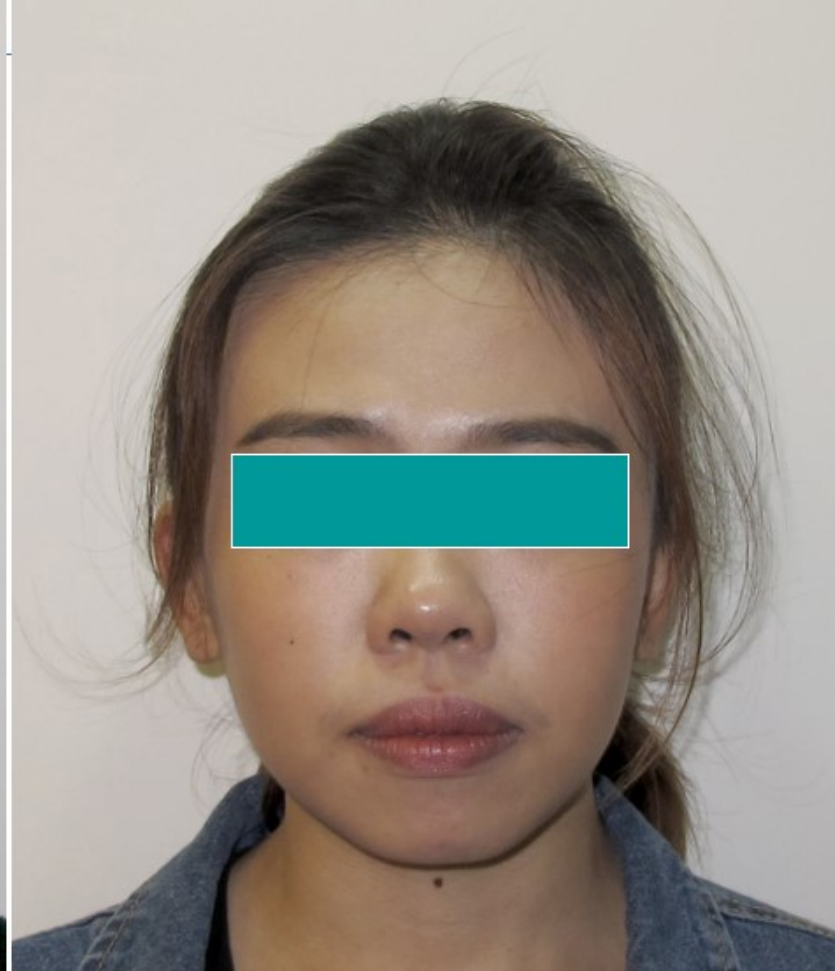
- If you happen to create project **manually**, AI functions can be access by select **AI Assisstant**
- **AI Segmentation** will only process to segment both arch teeth **without arrangement**
- **AI Arrangement** include **segmentation** and also **arrangement**.



RESULT



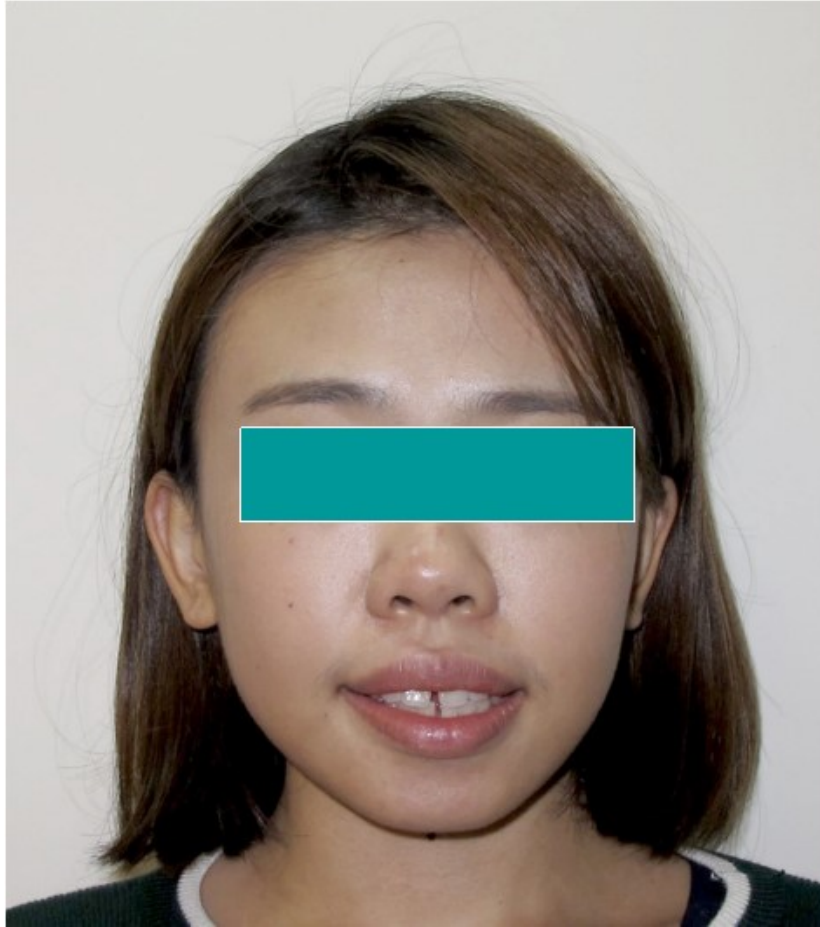
■ Before treatment



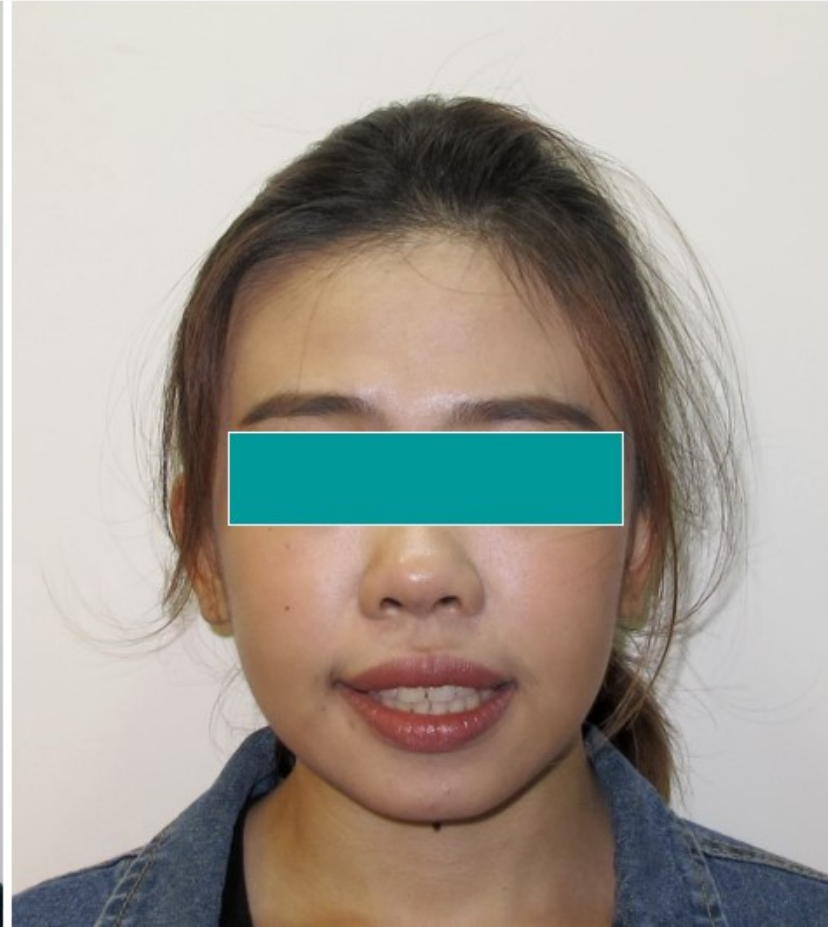
■ After treatment



RESULT



■ Before treatment



■ After treatment



RESULT



▪ Before treatment



▪ After treatment



RESULT



■ Before treatment



■ After treatment



SEGMENTATION

- Video guide: https://youtu.be/aTTswC-X_QU (AI & Manual)

PlanixMax (Unknown)20240229-C #01

Undo and Redo

Manual Design

Always drag the line from mesial to distal

Marking patient teeth

The green pillar direction will decide the moving axis of teeth in Move (Teeth re-arrange)

Display

Maxilla	☒ Cast	☒ Tooth
Mandible	☐ Cast	☒ Tooth
Cast	☐ Translucent	☐ Study Model

Attach

☐ Gum	☐ Bracket
☒ Root	☐ Attach
☐ IPR	☐ Wire
☐ Grid	

Segment

Do Segment Do Register

Please set tooth coordinate on

Focused Tooth 28(No such tooth)

Segment AutoAligner ToothAxis Attach Move Export STL Renew Add View

SEGMENTATION

- Video guide: <https://youtu.be/XN5cF-lidEs> (Fixing Segmentation Bugs)

The screenshot shows the PlaniMax software interface for dental segmentation. The main window displays a 3D model of a dental arch. The interface includes a top toolbar with icons for file operations and a 'Manual Design' dropdown. Below the toolbar is an 'Angles viewing option bar' with icons for different viewing angles. The central area shows a 3D model of a dental arch. The right sidebar contains a 'Display' panel with checkboxes for 'Maxilla', 'Mandible', 'Cast', 'Tooth', 'Translucent', 'Study Model', 'Gum', 'Bracket', 'Root', 'Attach', 'Wire', 'IPR', and 'Grid'. The bottom toolbar includes icons for 'Segment', 'AutoAligner', 'ToothAxis', 'Attach', 'Move', 'Export STL', 'Renew', 'Add', and 'View'. A 'Focused Tooth' panel on the left shows a 2D view of the teeth. A 'Segment' panel on the right shows a warning message: 'Please set tooth coordinate on'.

- Angles viewing option bar
- Tooth extraction
- Root, tooth, gum and grid display
- Manually segmentation

ARRANGEMENT

- Video guide: <https://youtu.be/kxyjpAeIKcc>

The screenshot shows the PlaniMax software interface with a 3D dental model. The interface includes a top toolbar with icons for file operations and a menu bar with 'Planimax' and '(Unknown)20240229-C #01'. The main workspace displays a 3D model of a dental arch with a highlighted tooth and a red arrow indicating movement. A 'Movement statistics bar' is visible on the right side of the model. A 'Moving axis' is indicated by a red arrow pointing to the highlighted tooth. The 'Display' panel on the right shows settings for Maxilla, Mandible, Cast, Translucency, and Attach. The 'Move' panel at the bottom right shows settings for Rotate (2.50) and Translate (0.25). The bottom toolbar includes icons for Segment, AutoAligner, ToothAxis, Attach, Move, Export STL, Renew, Add, and View.

- Right click and choose Reset Arrangement the highlighted teeth will go back to original position
- Hold Shift and click 2 different teeth will select all the teeth in middle of the 2 being chosen. This allows you to move many teeth as one without using an axis.
- Hold Ctrl allows you to move one tooth freely without using an axis.
- Movement statistics bar**
- Moving axis**
- Adjust bite, Bolton and Calculating**

Display Panel:

Display			
☒ Maxilla	☐ Cast	☒ Tooth	
☐ Mandible	☐ Cast	☐ Tooth	
☐ Cast	☐ Translucency	☐ Study Model	
Attach			
☐ Gum	☒ Bracket	☒ Attach	
☒ Root	☒ Attach	☐ Wire	
☐ IPR			
☐ Grid			

Move Panel:

Move	
Aligner Para.	
Rotate(°)	2.50
Translate(mm)	0.25
Bite	Demo
Bite Demo	Bolton
Statistics	Staging
Cal. Stages	

ARRANGEMENT

Planimax (Unknown)20240229-C #01

排牙模式

Display

- Maxilla ☐ Cast ☒ Tooth
- Mandible ☐ Cast ☐ Tooth
- Cast ☐ Translucent ☐ Study Model

Attach

- ☐ Gum ☒ Bracket
- ☒ Root ☒ Attach
- ☒ IPR ☐ Wire
- ☒ Grid

Move

Aligner Para.

Rotate(°) 2.50

Translate(mm) 0.25

Bite Demo Bolton Statistics Staging

Cal. Stages

Segment AutoAligner ToothAxis Attach Move Export STL Renew Add View

Focused Tooth 26(NORMAL)

IPR, statistics and staging