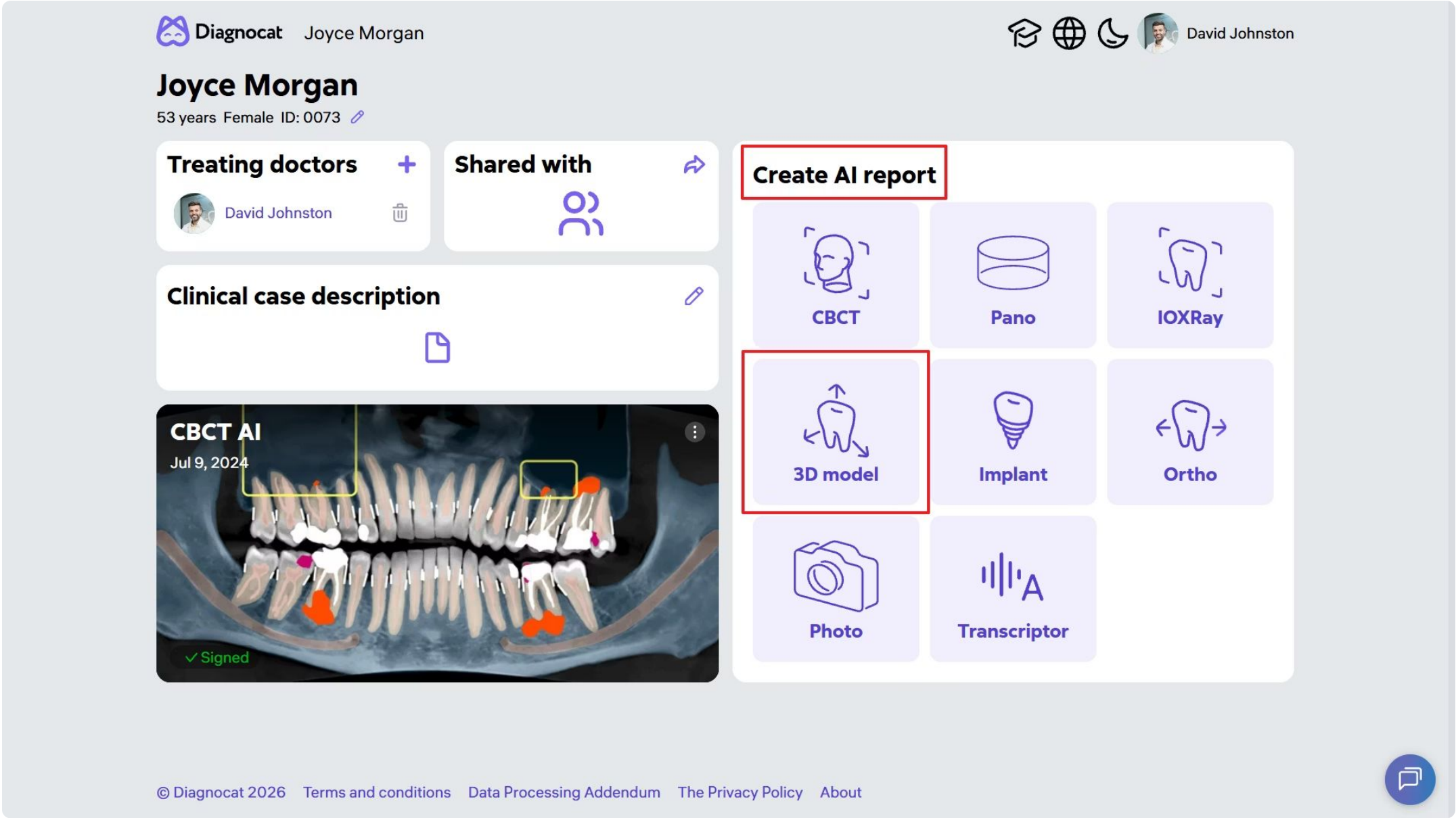


STL Reports & 3D Models



Creating an STL Report

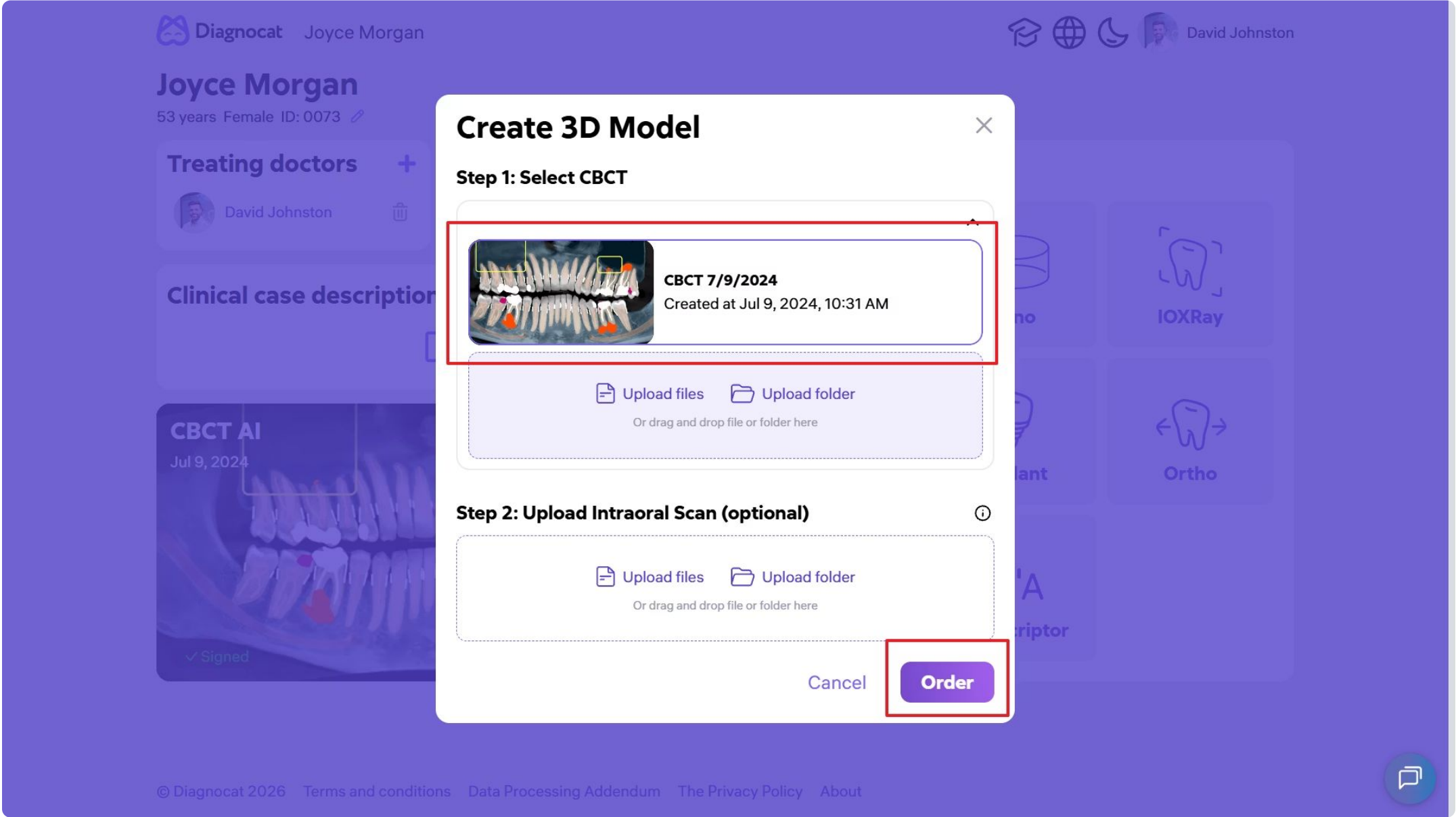
- 01

Navigate to Create AI Report.
- 02

Select 3D Model.
- 03

Choose the desired CBCT study.
- 04

Click Order.

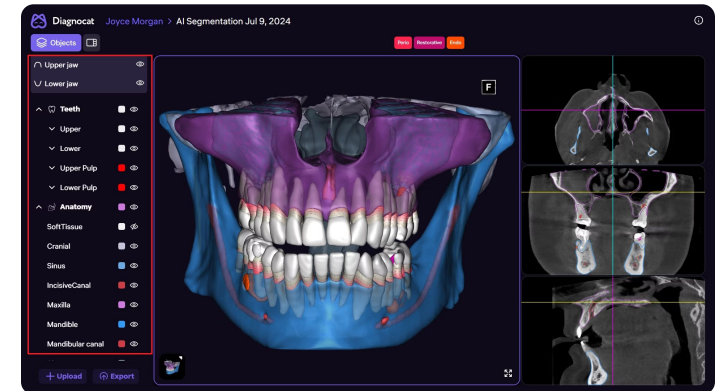


The STL report will be generated automatically within a few minutes.

Exploring the 3D Model

An AI-generated 3D model includes the segmentation of the following structures:

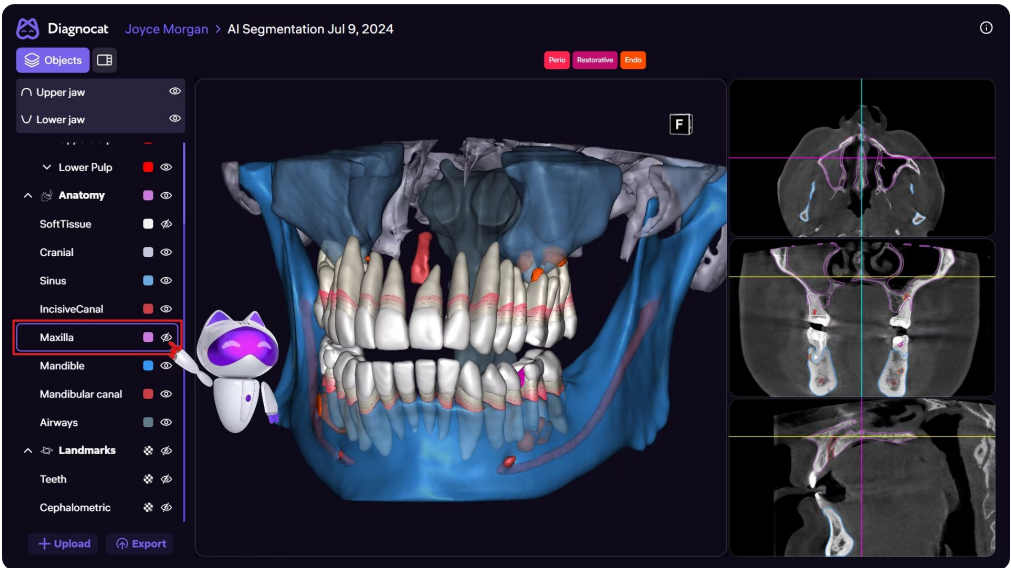
- Teeth
- Pulp
- Anatomy: Soft Tissue, Cranial, Sinuses, Canals, Airways, Jaws
- Landmarks



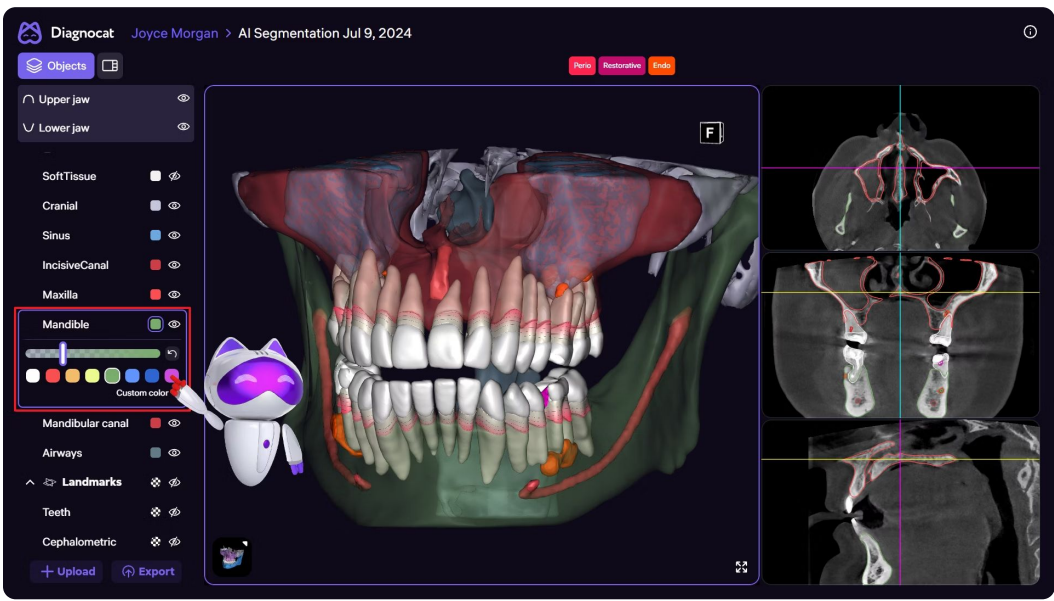
Structure List Controls

These controls allow you to isolate specific anatomical areas for focused analysis or patient explanation. You'll find them located on the left-hand side. The structure list allows you to:

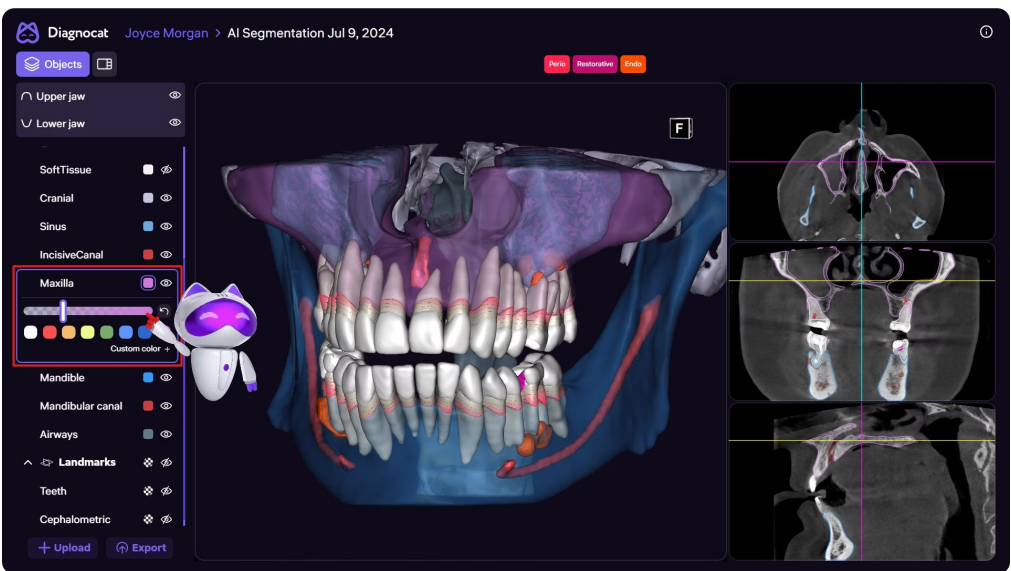
- Toggle structure visibility on or off



- Change display colors

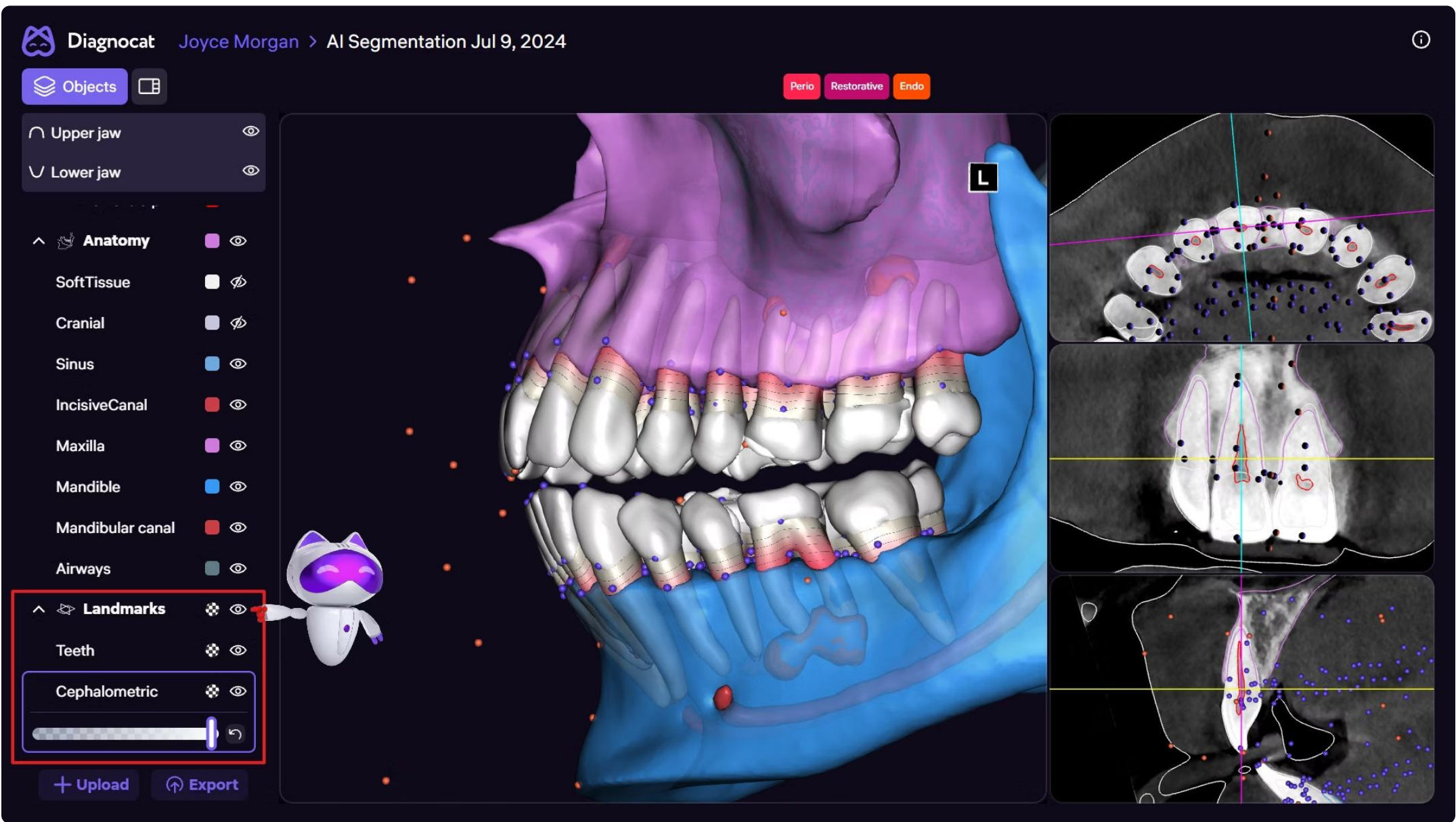


- Adjust transparency levels



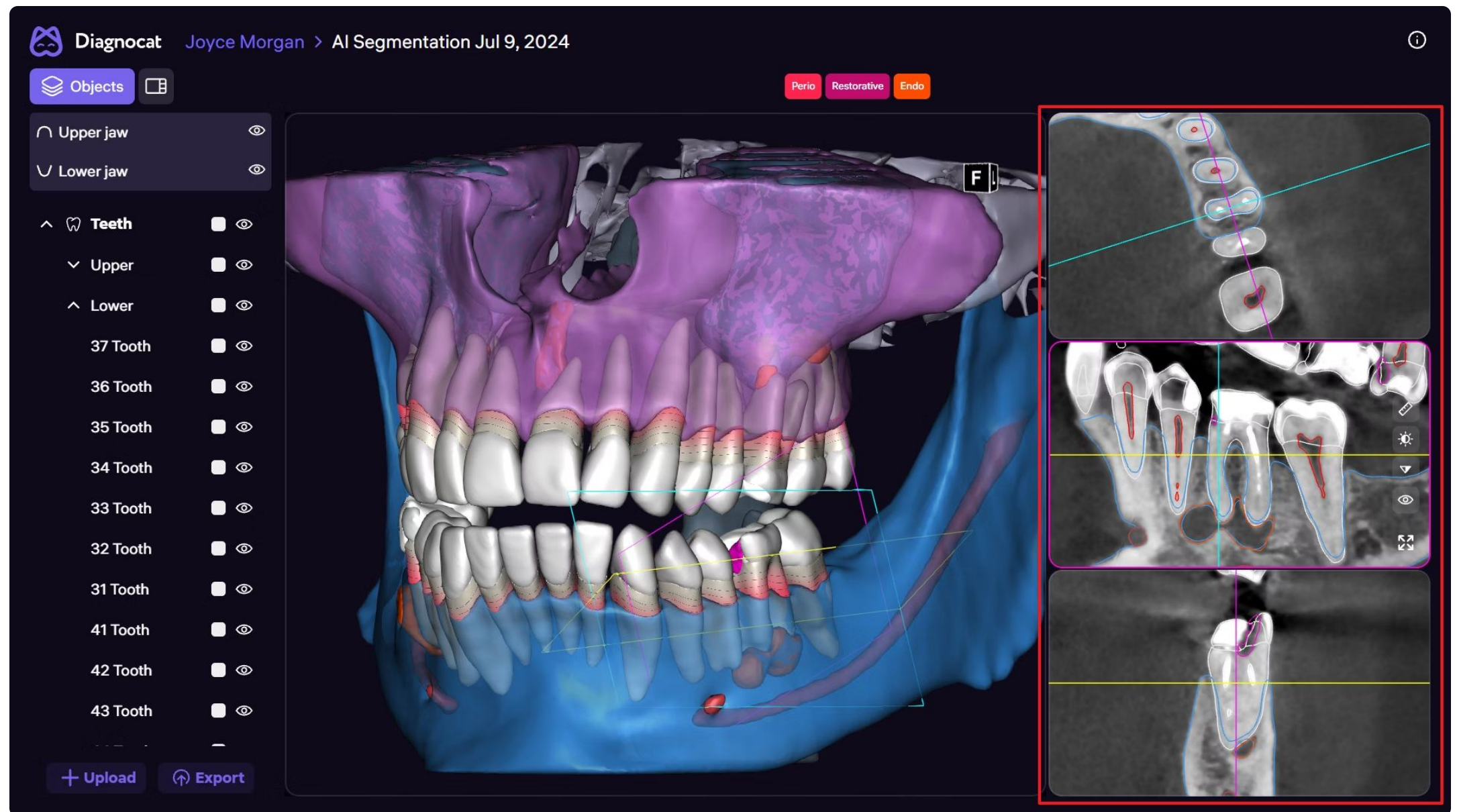
Landmarks

Visualization of both cephalometric and teeth landmarks is available: cephalometric points are marked in orange, while teeth points are shown in blue. This tool is essential for orthodontists in treatment planning.



Using MPR Mode (Multiplanar Reconstruction)

MPR mode allows you to examine internal anatomy slice by slice with precision.



Key Capabilities

- View axial, sagittal, and coronal slices
- Color-coded segmentation borders outline anatomical structures
- Ideal for real-time internal anatomy review

Navigation

- Hold Control on your keyboard
- Scroll using your mouse wheel or trackpad to move through slices

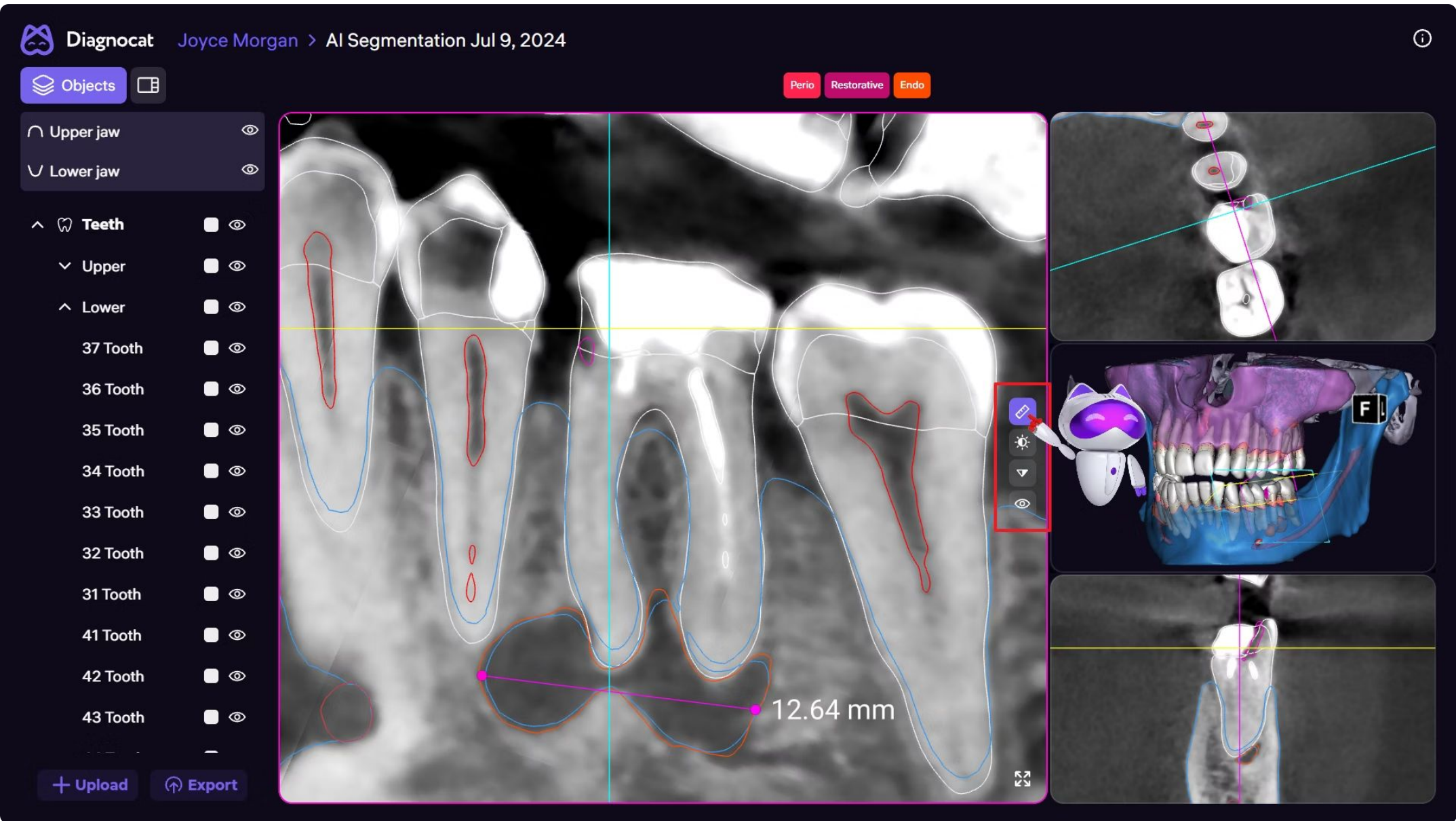
This tool is particularly valuable for identifying anatomical relationships and internal structures not visible on surface models.

MPR tools

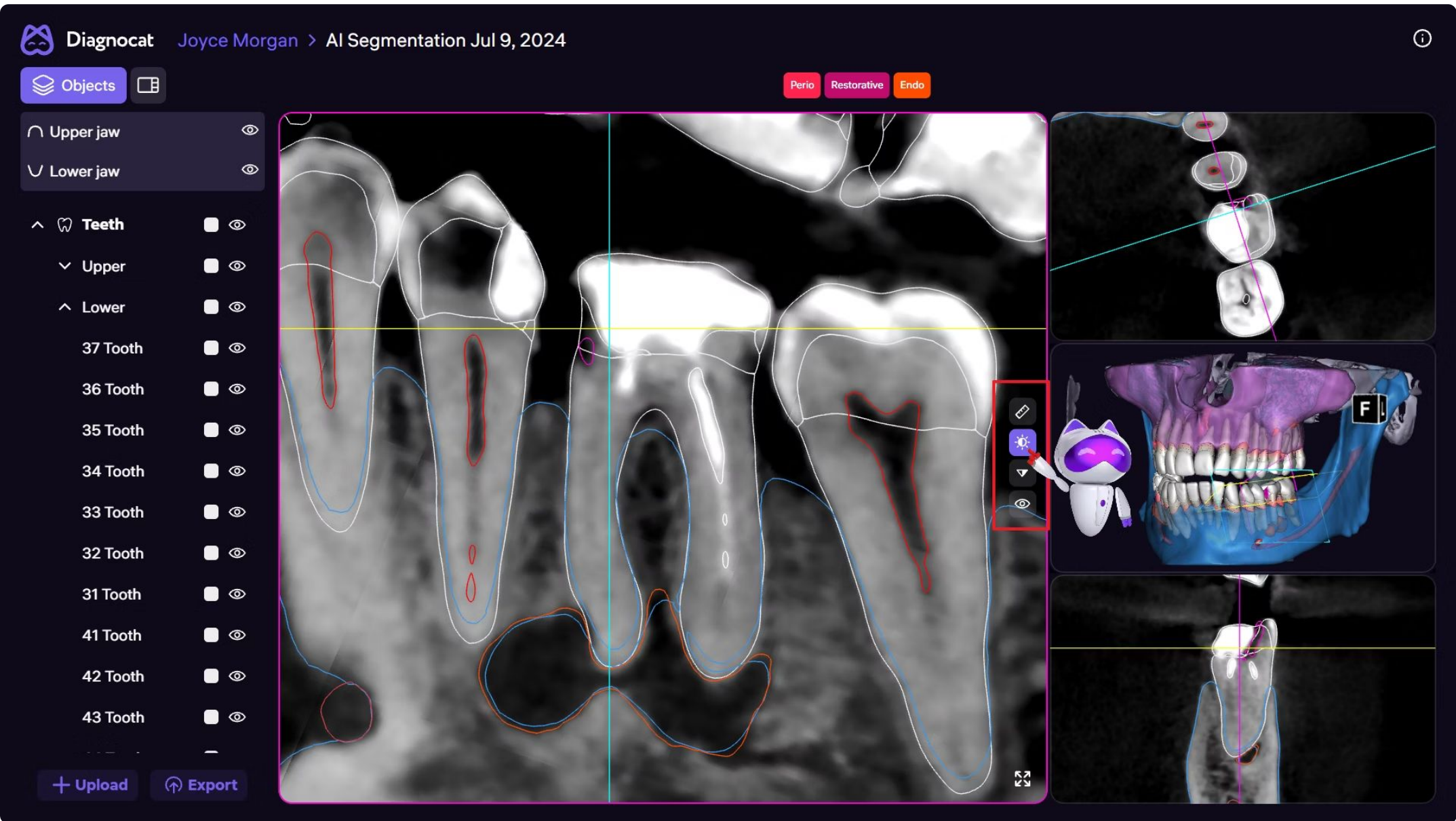
You can select any MPR window as the main view. Click "Expand" to move it to the central viewport, and click again for full-screen mode

All MPR tools are grouped into a single toolbar that appears when you hover over any viewport. Here is an overview of the tools:

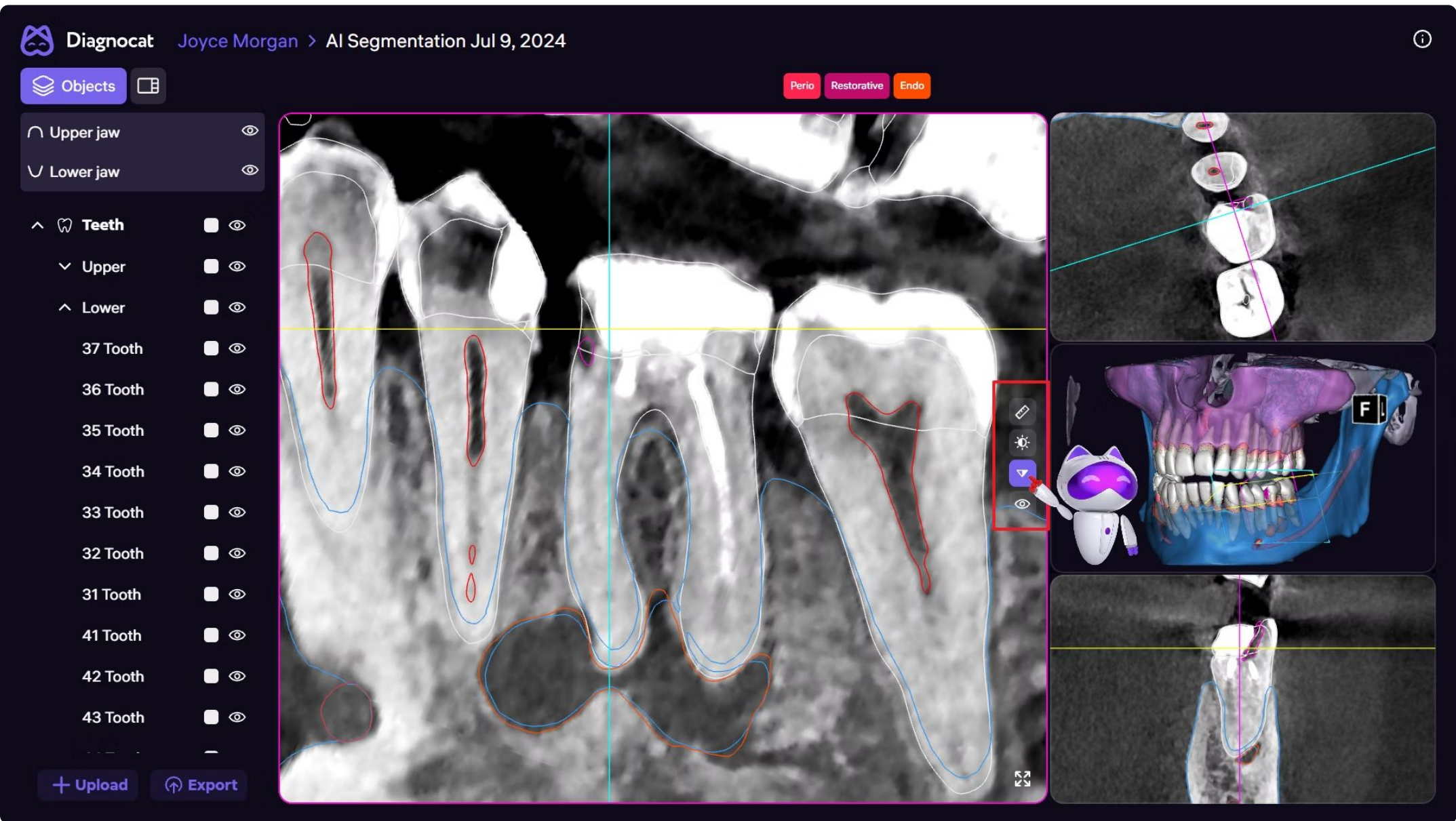
The 'Ruler' allows you to take measurements. Measure distances in millimeters:



You can adjust the brightness and contrast:



And also the sharpness:



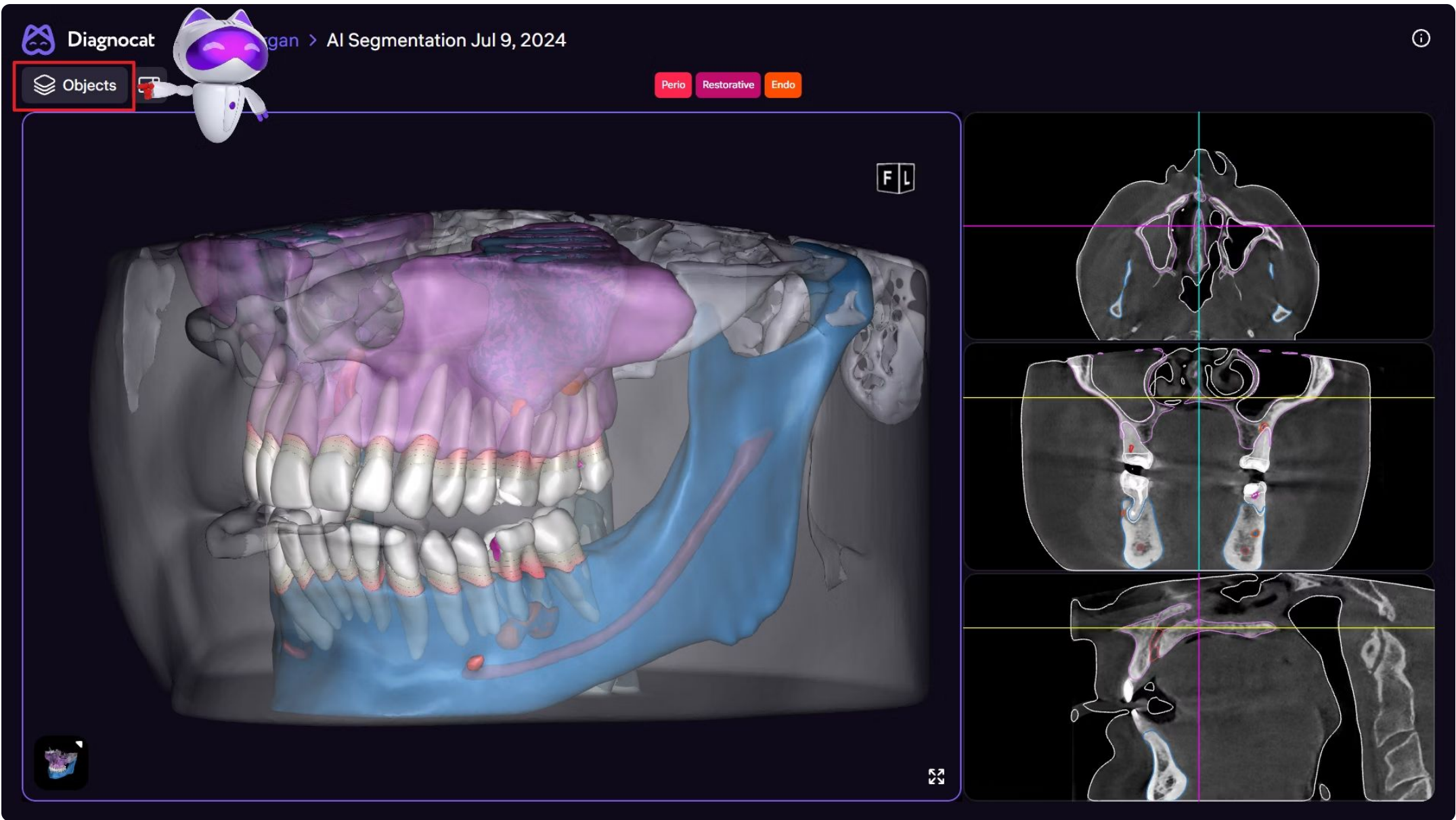
You can keep or hide all annotations:



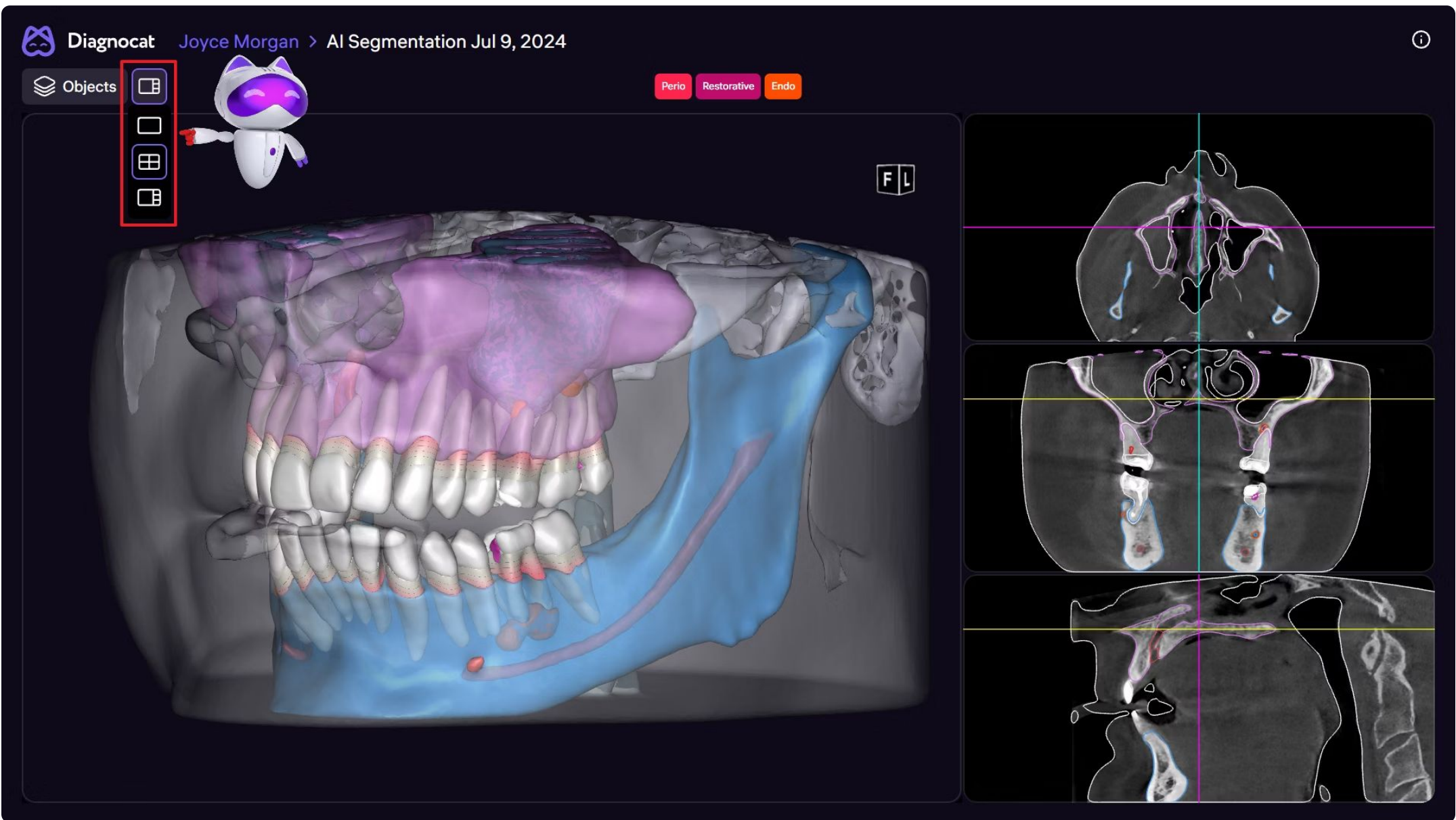
Settings Panel Overview

The Settings Panel, located in the top-left corner, allows you to customize your viewing experience.

- The Objects button allows you to hide or show anatomical structures.



- The next button allows you to change the scale of the viewports.



Viewing Advanced Anatomical Details

These details support both endodontic evaluation and restorative planning, offering insights beyond standard 2D imaging.

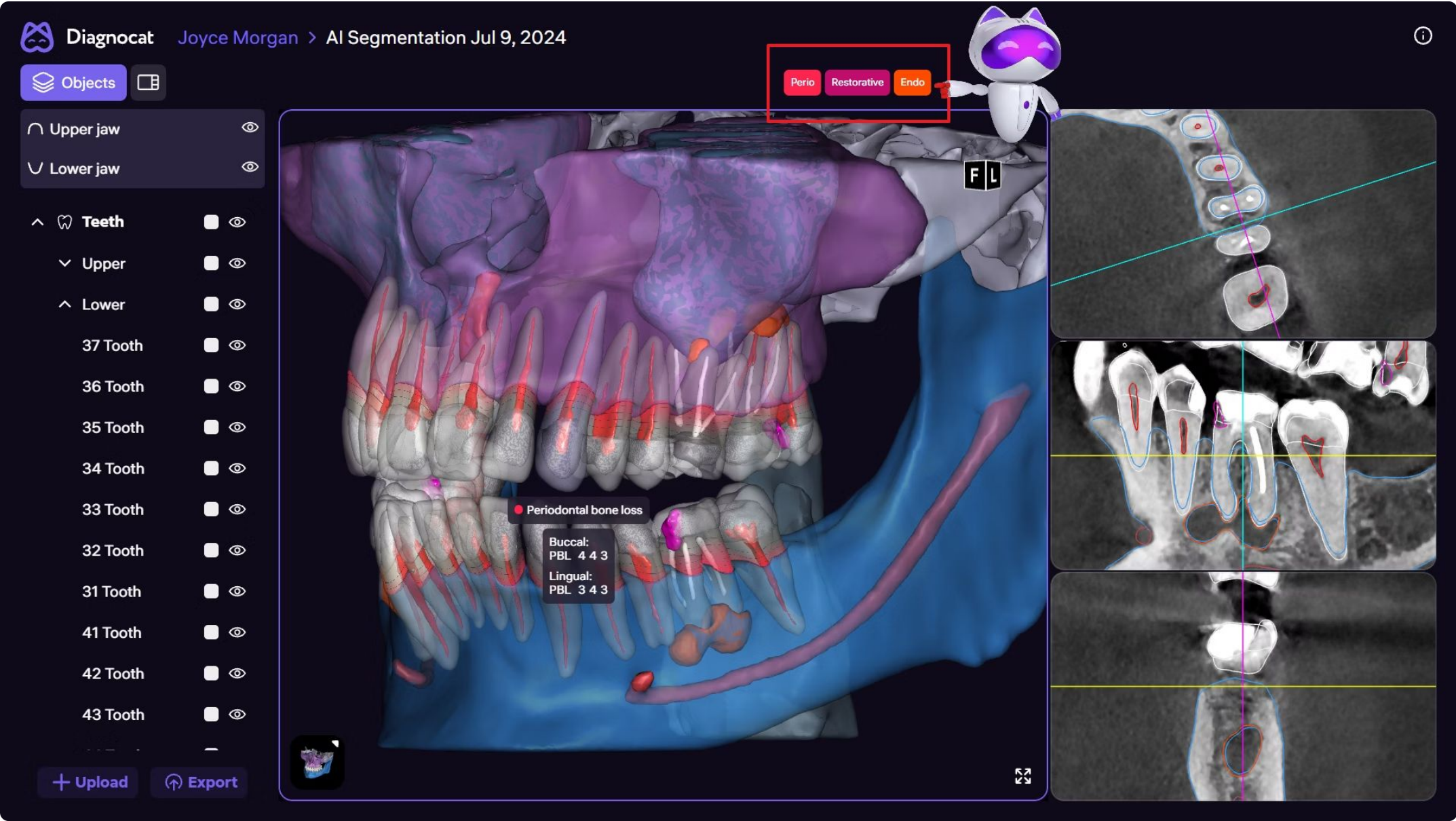


STL segmentation includes fine anatomical structures such as:

- Pulp chambers
- Root canal fillings

Pathology Filters for Focused Analysis

Pathology filters are available at the top of the interface to help focus your review.



Available Filters

- Perio – Displays bone loss
- Restorative – Highlights restorations
- Endo – Shows endodontic findings

Periodontal Filter Details



- Displays bone loss using a gradient color scale
- Bone loss is shown in 1 mm increments

Measurements are displayed across 6 points per tooth:

- 3 buccal
- 3 lingual

Hover over any colored region to view:

- Condition details
- Precise measurements

Change 3D model styles

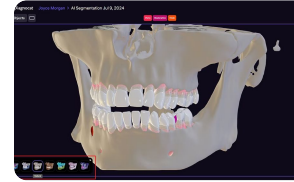
In the bottom left corner, you can select the color style of the 3D model.



Default



Blue



Natural



Sand



Color Burst



Metallic



MultiColor

Clinical Applications

Clear 3D visuals help patients better understand your diagnosis and proposed treatment, improving communication and treatment acceptance. You can always toggle filters on or off depending on the clinical task.

Clinicians find our STL reports especially effective for:

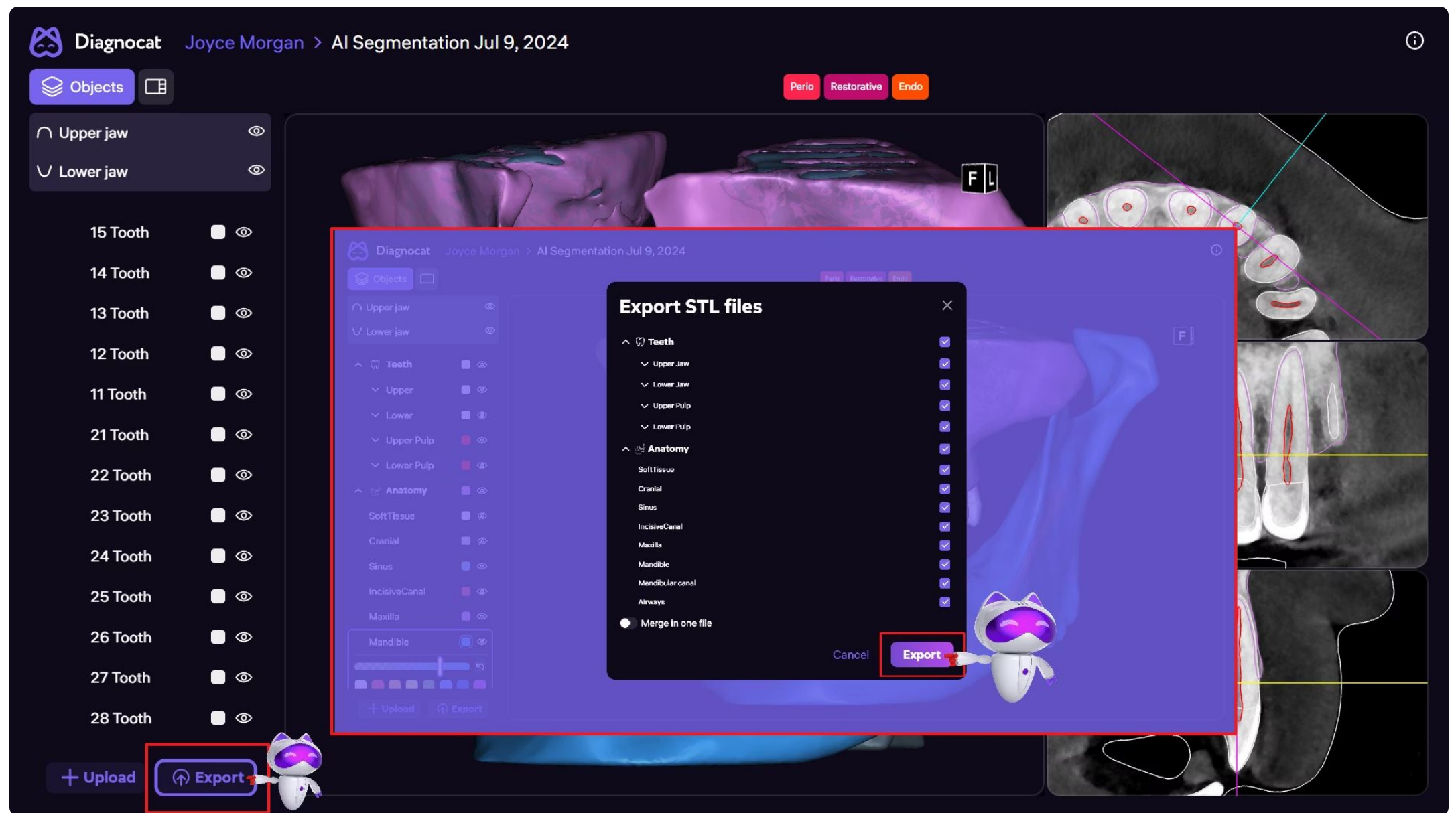
Implant planning

Periodontal case evaluation

Surgical preparation

Patient education

Exporting STL Files



To export STL files:

1. Click Export in the bottom-left corner of the screen.
2. A ZIP archive will be downloaded containing all STL files.

Export Compatibility

Exported STL files are compatible with:

- Major 3D printing software
- Surgical planning platforms
- Laboratory workflows

Files can be easily shared with labs or surgical teams to enhance collaboration and workflow efficiency.