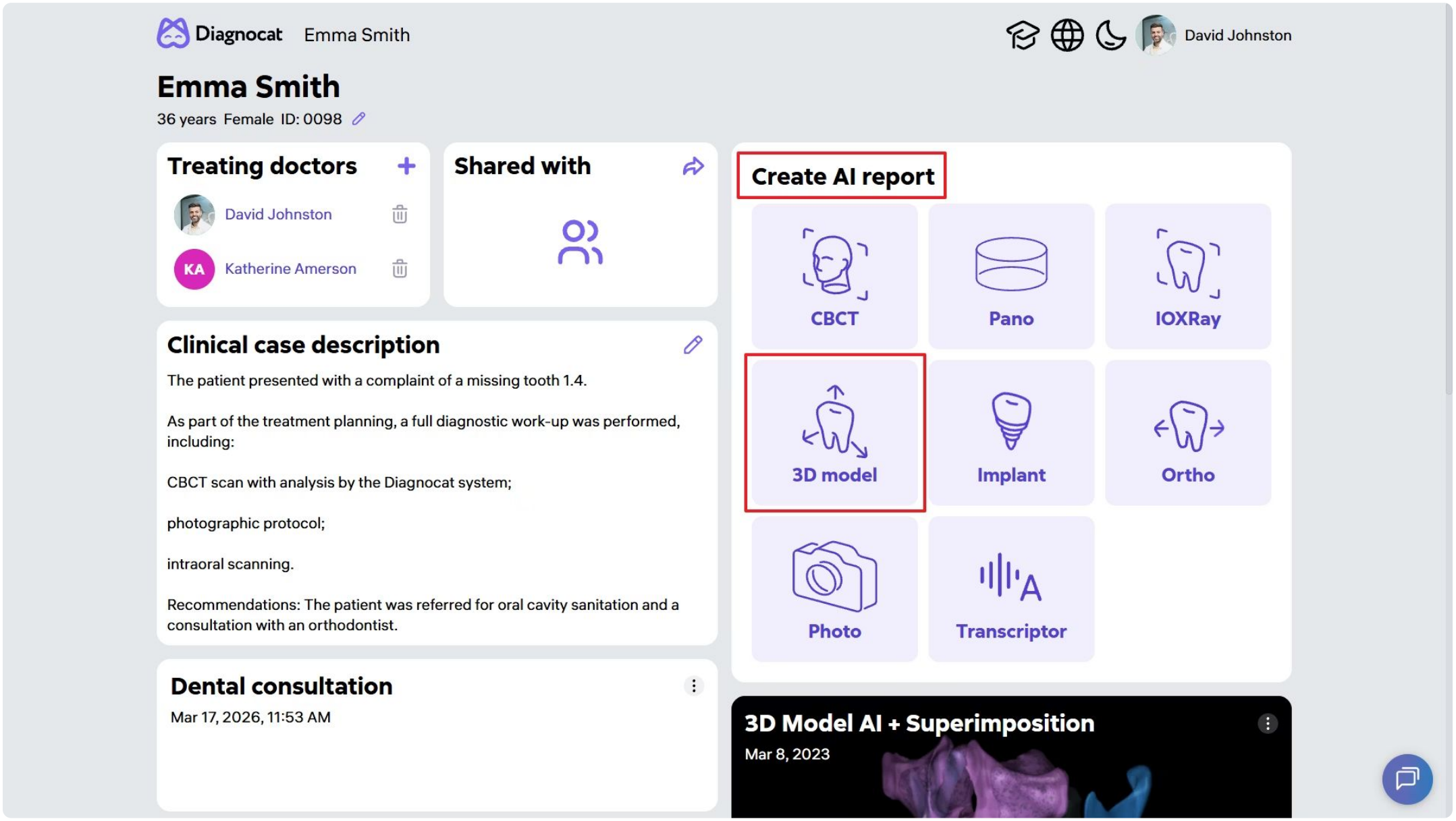
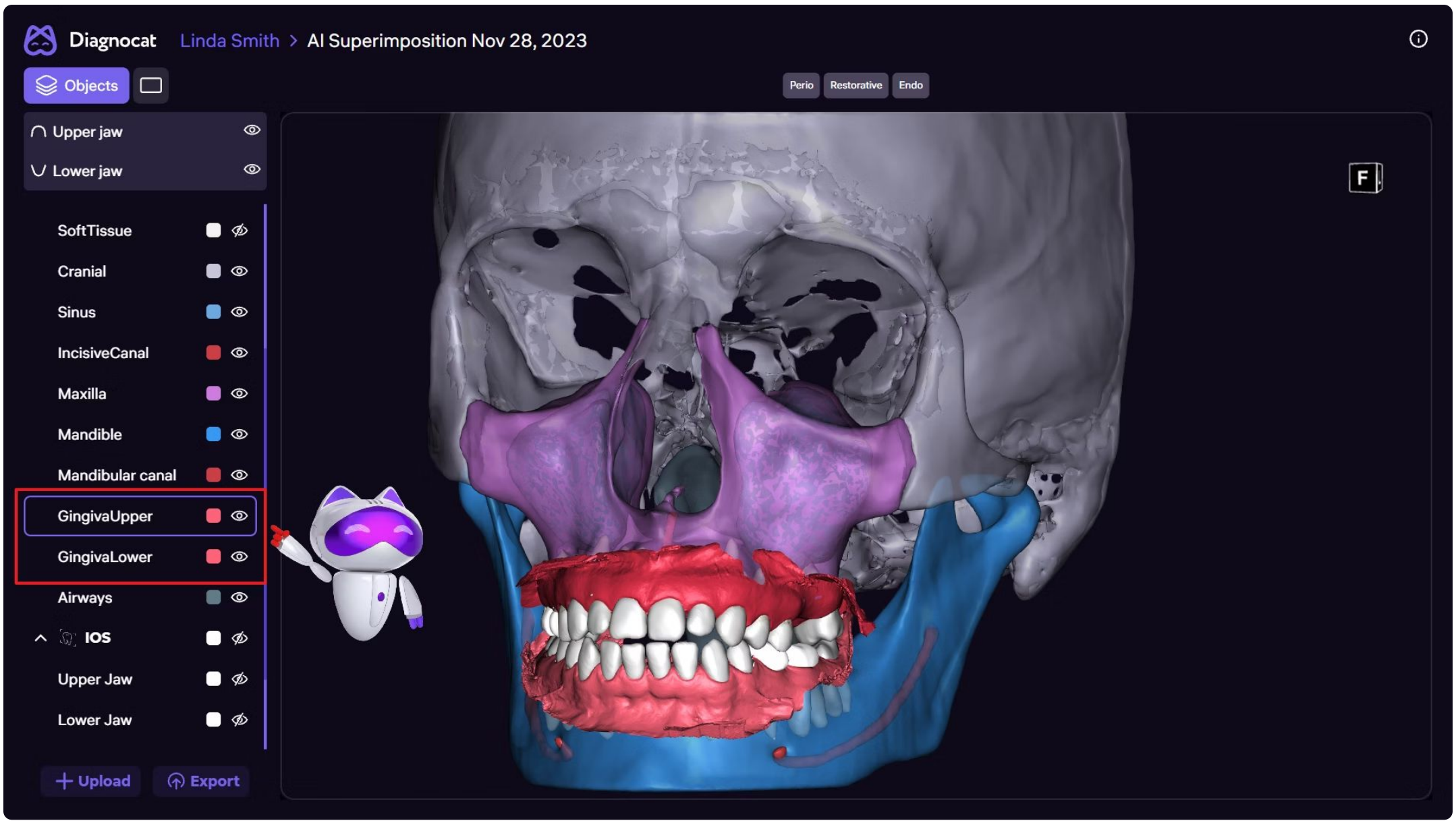
Creating a Superimposition Report



1. Navigate to **Create AI Report**
2. Select **3D Model**
3. In the pop-up: select CBCT scan, upload intraoral scans for upper and lower jaws (drag-and-drop or manual selection)
4. Click **Order** to begin report generation

Pro Tip: Ensure all scans are clinically consistent and properly aligned for optimal superimposition accuracy.

Key Benefits of CBCT + Intraoral Fusion



Superimposing CBCT and intraoral scans enables accurate occlusal alignment, enhanced soft tissue visualization, and realistic anatomical context for implant and surgical planning.

Accurate Occlusal Alignment

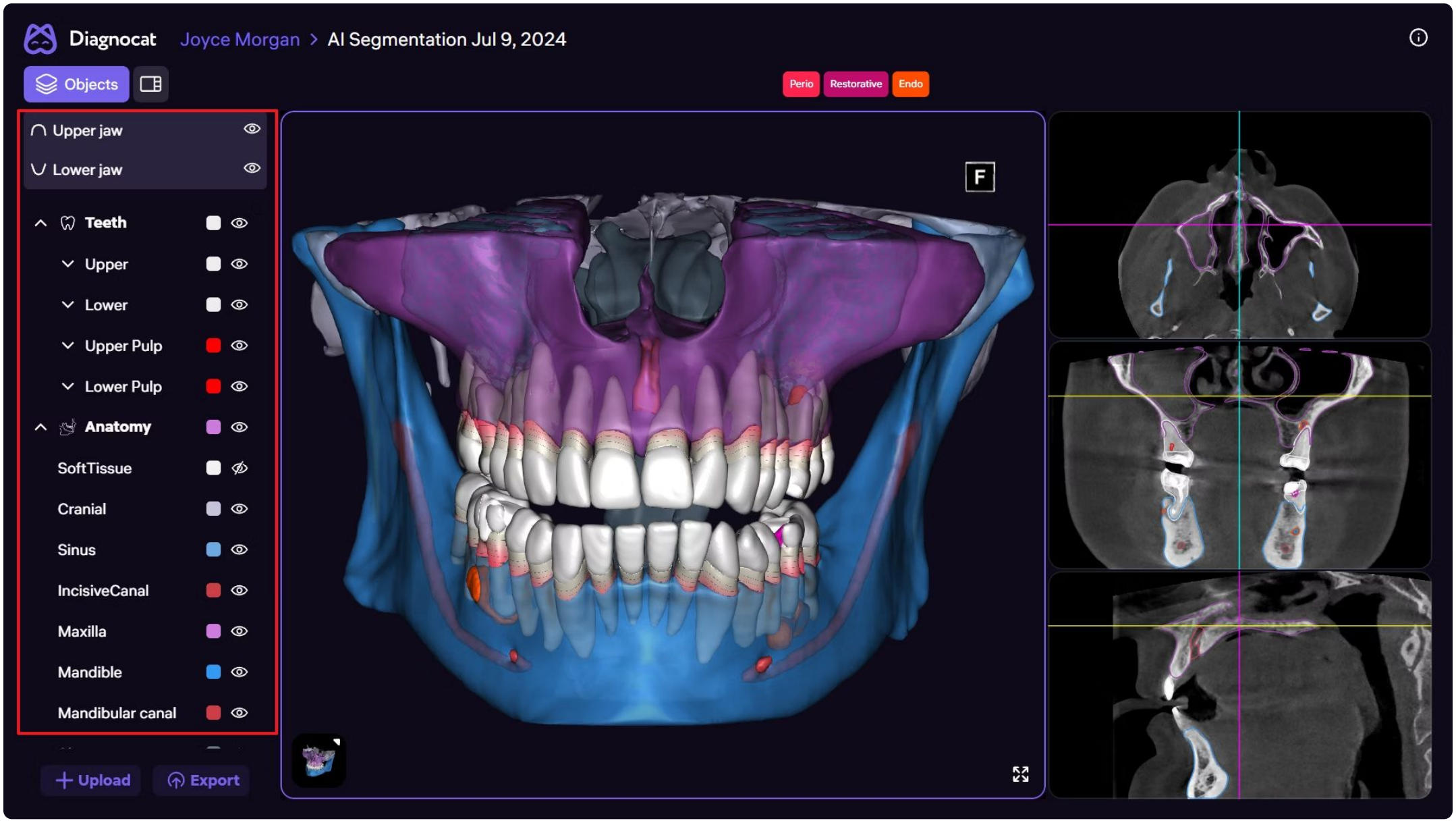
Enhanced Soft Tissue Visualization

Realistic Anatomical Context

For implant and surgical planning

Enable visualization of the upper and lower gingiva and jaw scans (IOS) in the anatomical structures list. This virtual workspace allows clinicians to evaluate implant zones, tooth morphology, and surgical regions with a higher degree of confidence.

Exploring the 3D Model



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

Teeth & Pulp

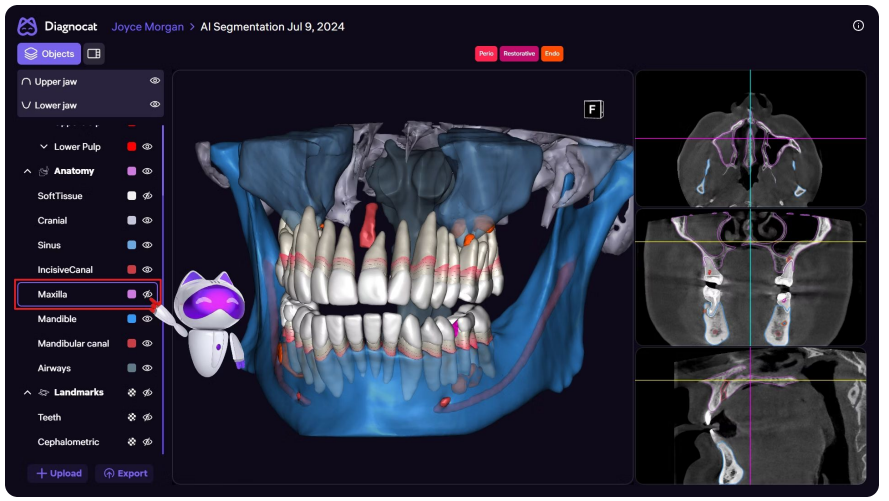
Anatomy

Soft Tissue, Cranial, Sinuses, Canals, Airways, Jaws

Landmarks

Structure List Controls

Located on the left-hand side, the structure list allows you to isolate specific anatomical areas for focused analysis or patient explanation.

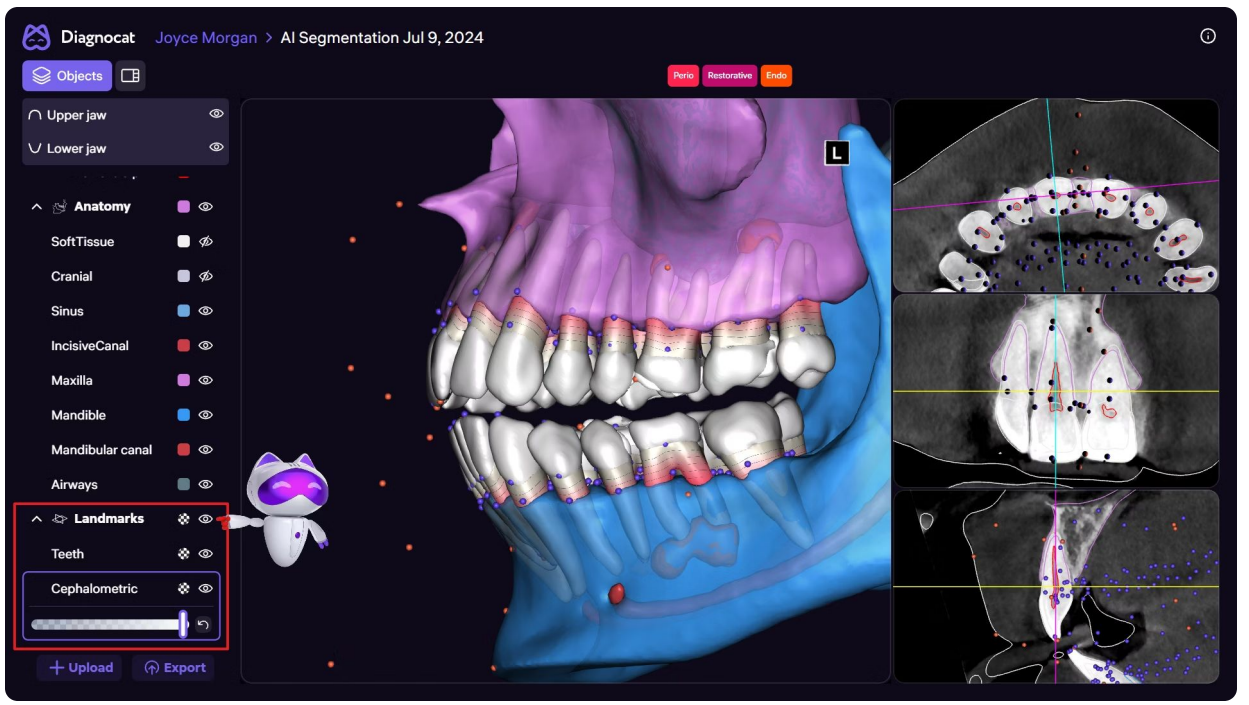


Toggle Visibility

Turn anatomical structures on or off

Adjust Transparency

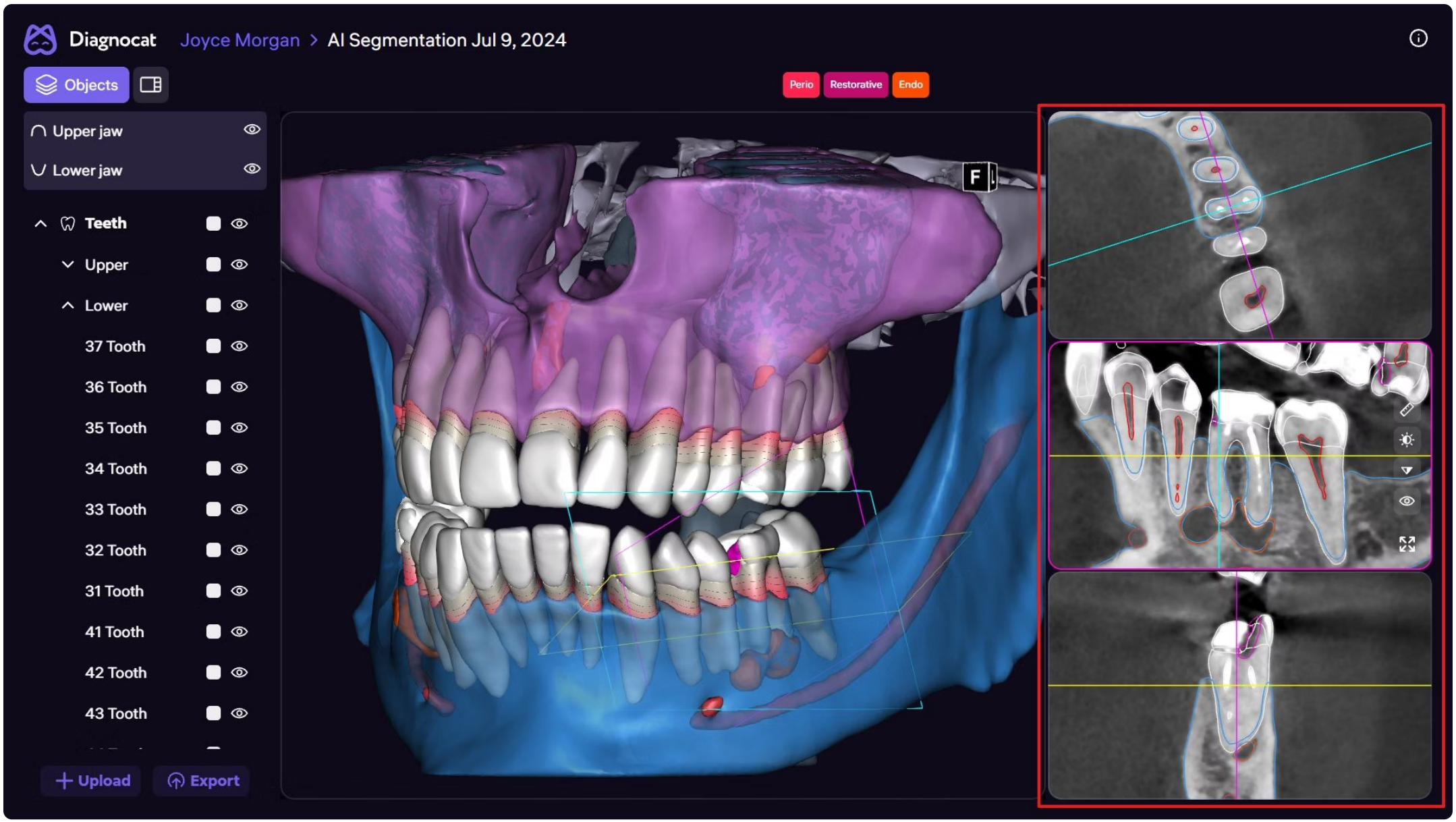
Change Display Colors



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



MPR mode allows you to examine internal anatomy slice by slice with precision — ideal for real-time internal anatomy review.

Key Capabilities

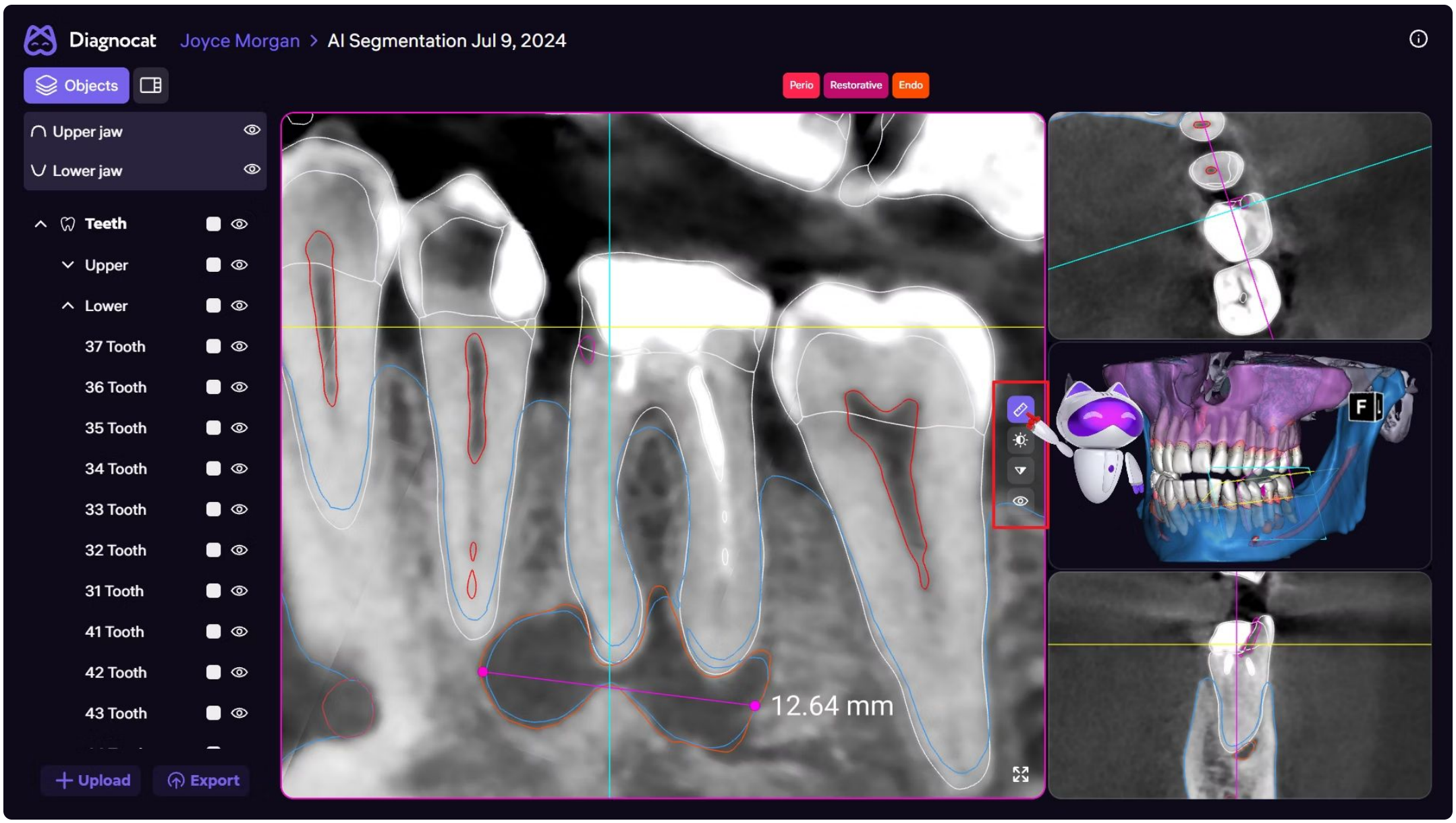
- View axial, sagittal, and coronal slices
- Color-coded segmentation borders outline anatomical structures

Navigation

- Hold **Control** on your keyboard
- Scroll with 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



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.

Ruler

Measure distances in millimeters

Contrast & Brightness

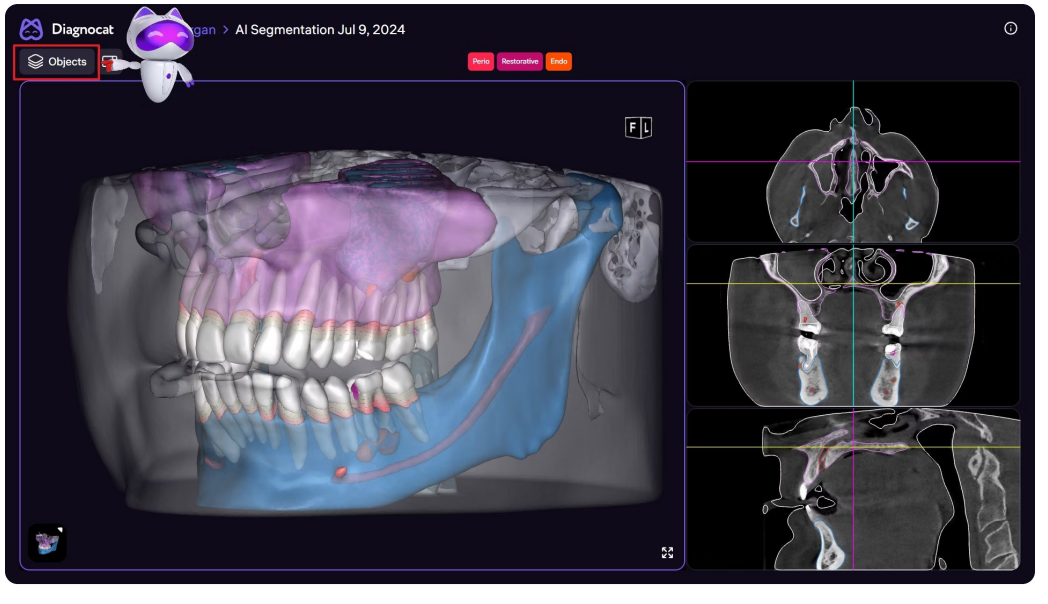
Sharpness

Annotations

Keep or hide all annotations

Settings Panel Overview

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



Objects Button

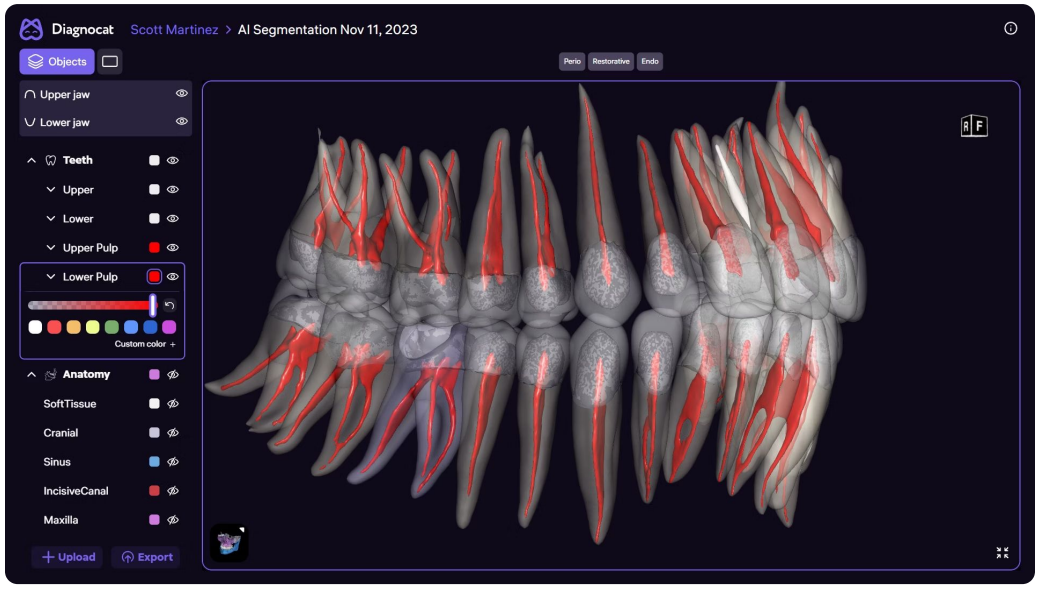
Hide or show anatomical structures

Scale Button

Change the scale of the viewports

Advanced Anatomical Details

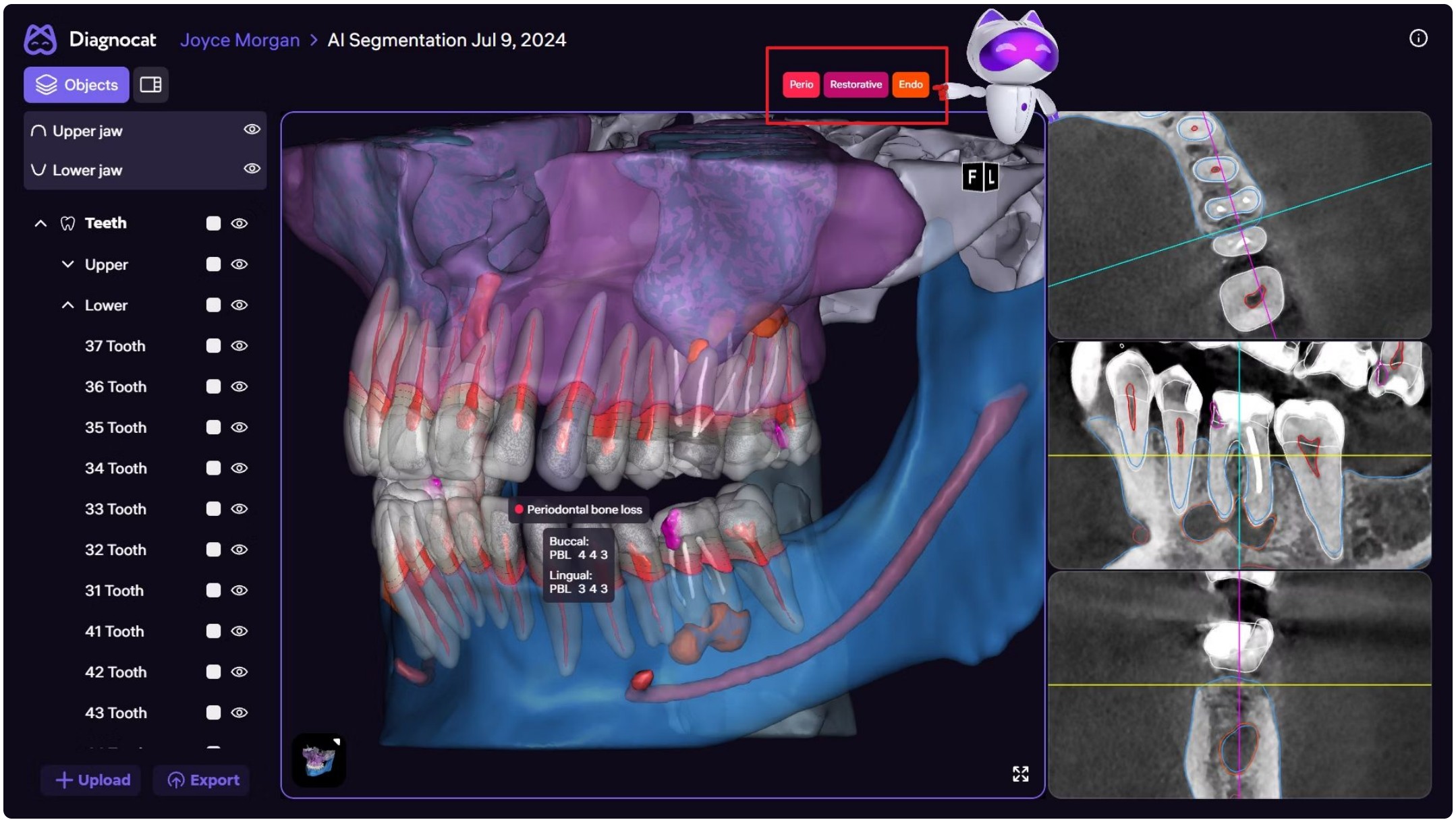
These details support both endodontic evaluation and restorative planning, offering insights beyond standard 2D imaging. STL segmentation includes fine anatomical structures such as:



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.

Perio

Displays bone loss

Restorative

Highlights restorations

Endo

Shows endodontic findings

Periodontal Filter Details

- Bone loss shown in 1 mm increments using a gradient color scale
- Measurements displayed across 6 points per tooth: 3 buccal, 3 lingual
- Hover over any colored region to view condition details and precise measurements

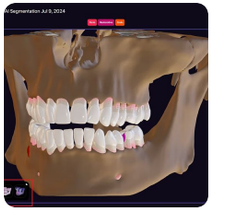
3D Model Styles & Clinical Applications

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

Default

Blue

Natural



Sand

Color Burst

Metallic

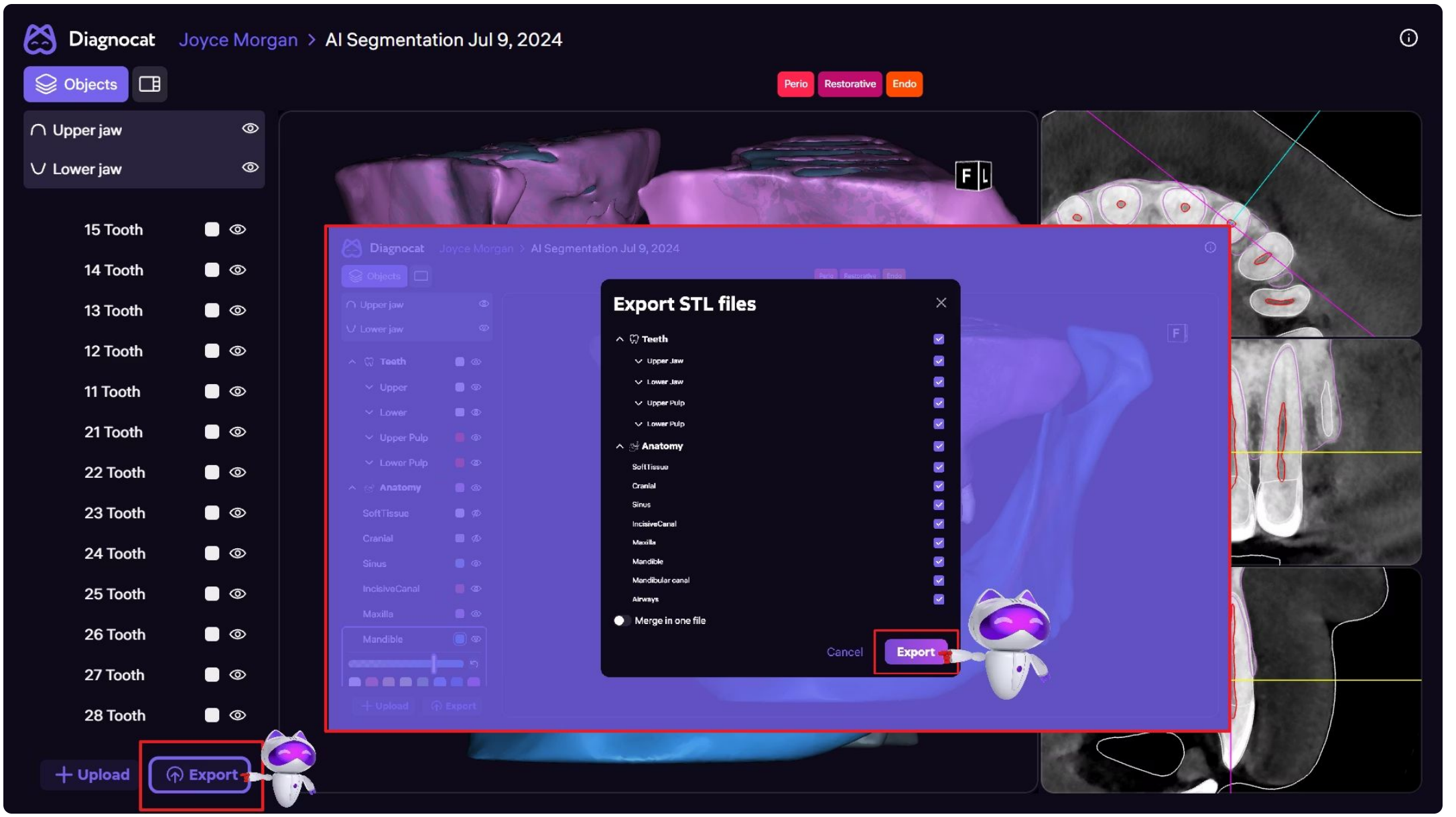
MultiColor

Clinical Applications

Clear 3D visuals help patients better understand your diagnosis and proposed treatment, improving communication and treatment acceptance. You can toggle filters on or off depending on your clinical task. STL reports are especially effective for:

- Implant planning
- Periodontal case evaluation
- Surgical preparation
- Patient education

Exporting STL Files



01

Click Export

Located in the bottom-left corner of the screen

02

Download ZIP Archive

Contains all STL files

Export Compatibility

Exported STL files are compatible with:

3D Printing Software

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.