

Diagnocat Viewer

Your complete guide to navigating AI-powered 3D dental models, STL reports, and advanced clinical visualization tools.

Creating an STL Report

The screenshot shows the Diagnocat interface for a patient named Liam Norton. At the top left, the Diagnocat logo and the name 'Liam Norton' are visible. To the right, there are icons for a globe, a moon, and a user profile for David Johnston. Below the patient name, it says '37 years Male ID: 0002'. There are three main sections: 'Treating doctors' with a plus sign and a card for David Johnston; 'Shared with' with a share icon and a person icon; and 'Clinical case description' with a pencil icon and a document icon. On the right side, there is a 'Create AI report' section with three options: 'CBCT' (with a head icon), '3D model' (with a tooth icon and a red border around it), and 'Transcriptor' (with a waveform icon). Below these are two preview images: '3D Model AI' showing a 3D model of a jaw with teeth, and 'CBCT AI' showing a CBCT scan of a jaw with teeth. At the bottom, there is a footer with copyright information and links for 'Terms and conditions', 'Data Processing Addendum', 'The Privacy Policy', and 'About'.

1 Navigate to Create AI Report

2 Select 3D Model

3 Choose the desired CBCT study

4 Click Order

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

Exploring the 3D Model

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



Teeth



Jaws



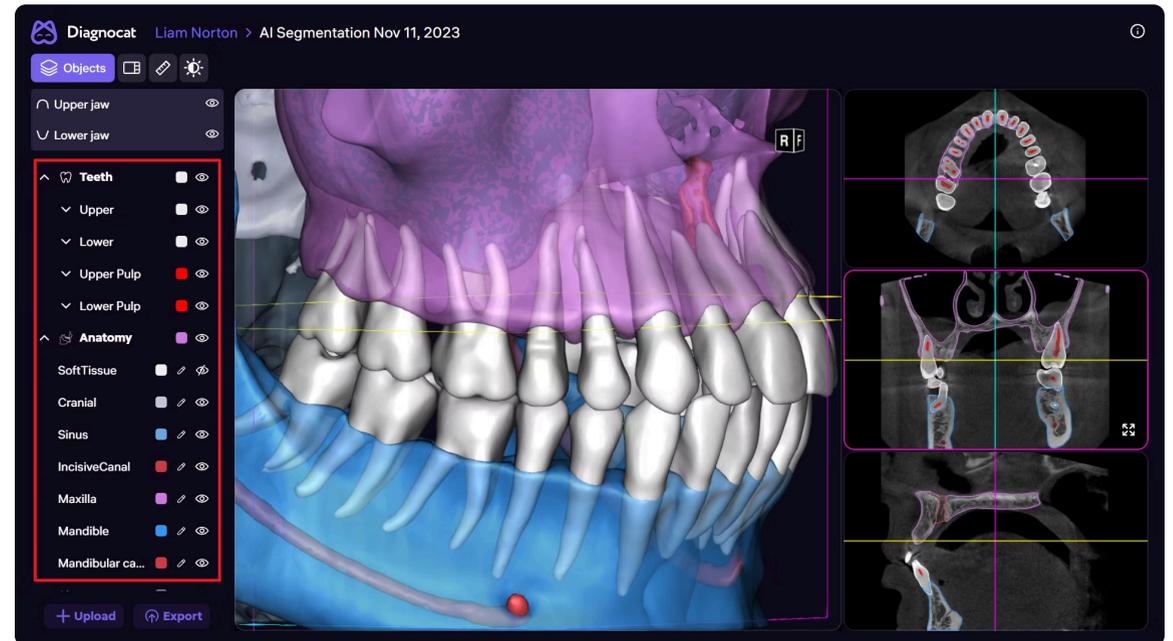
Sinuses



Canals



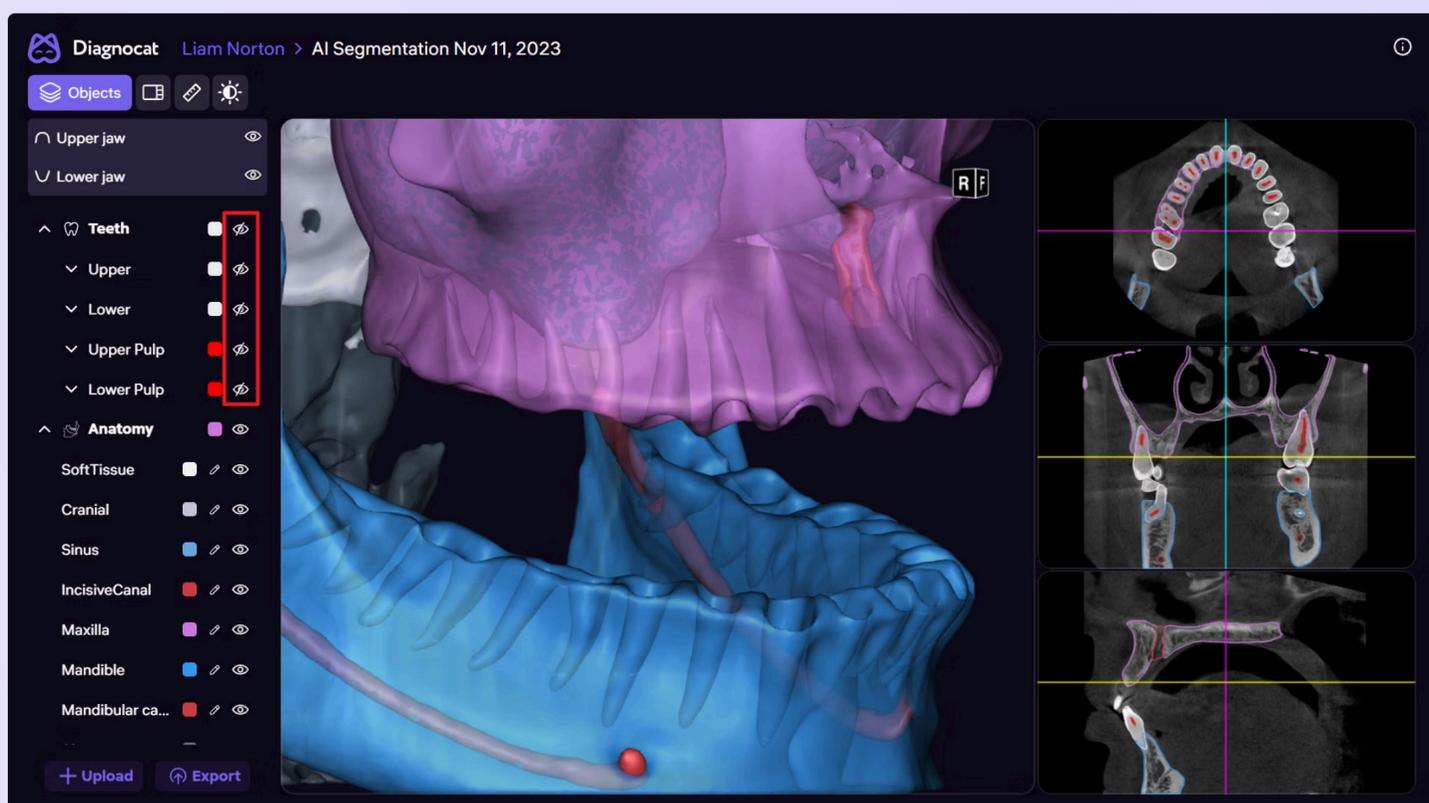
Soft tissue



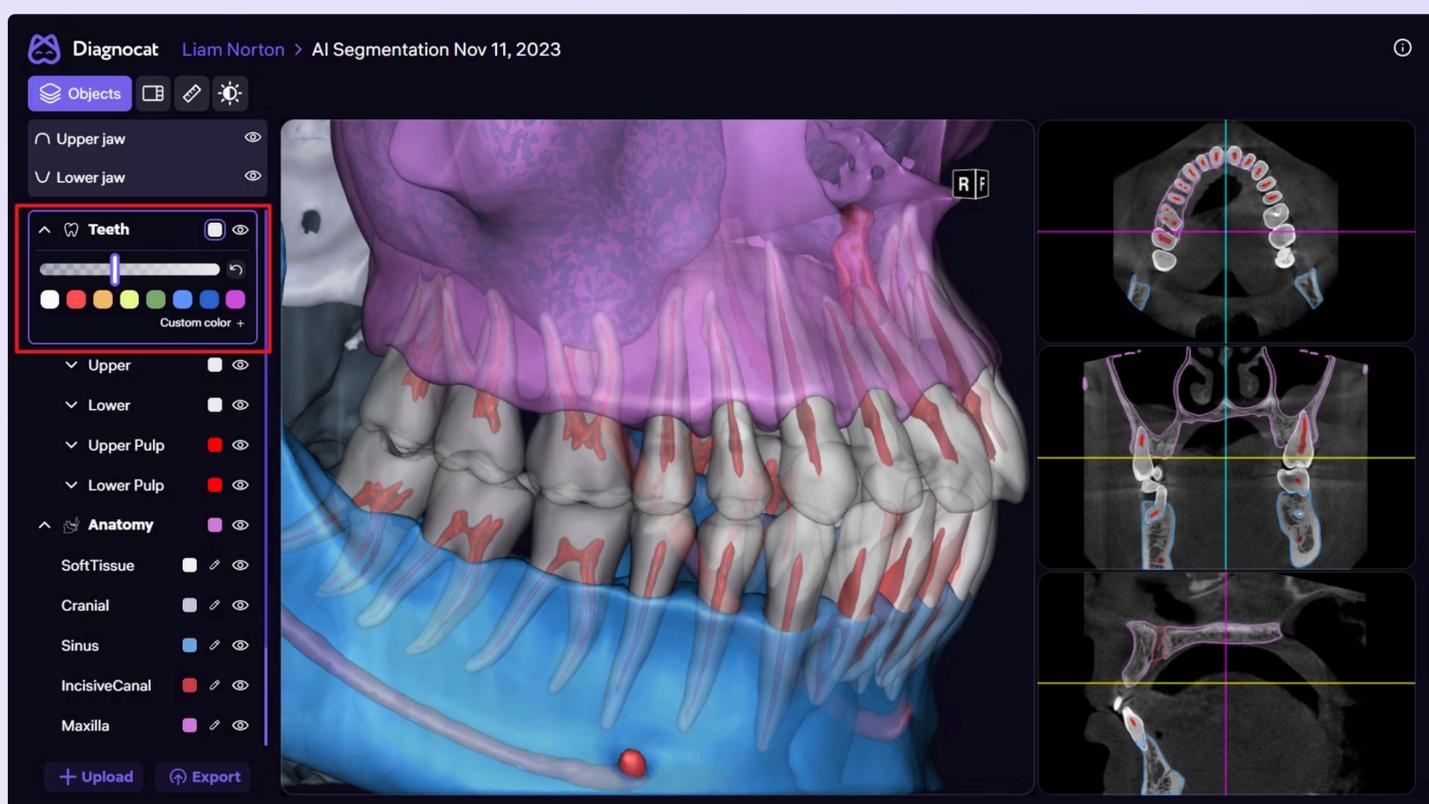
Structure List Controls

Located on the left-hand side, the structure list allows you to:

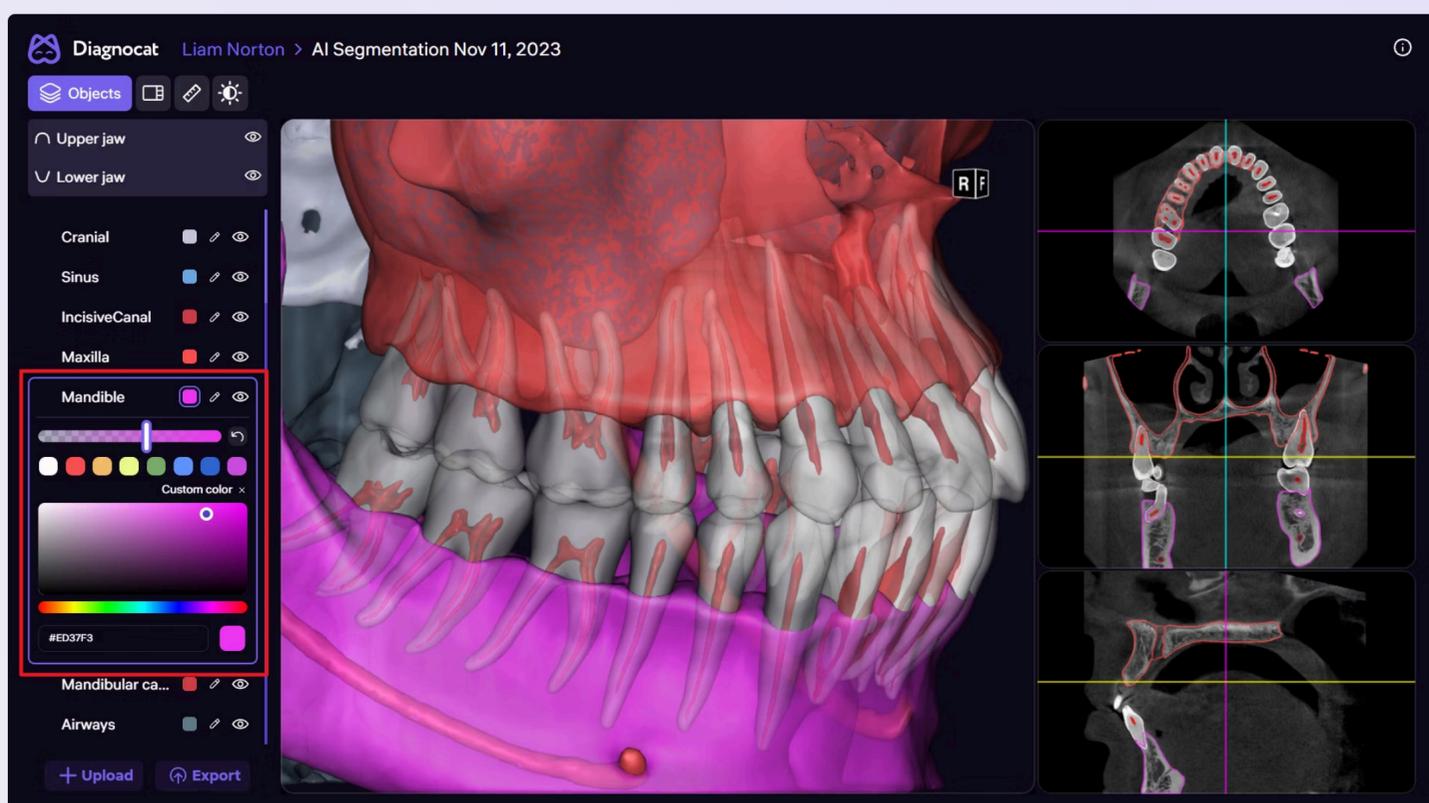
Toggle structure visibility on or off



Adjust transparency levels

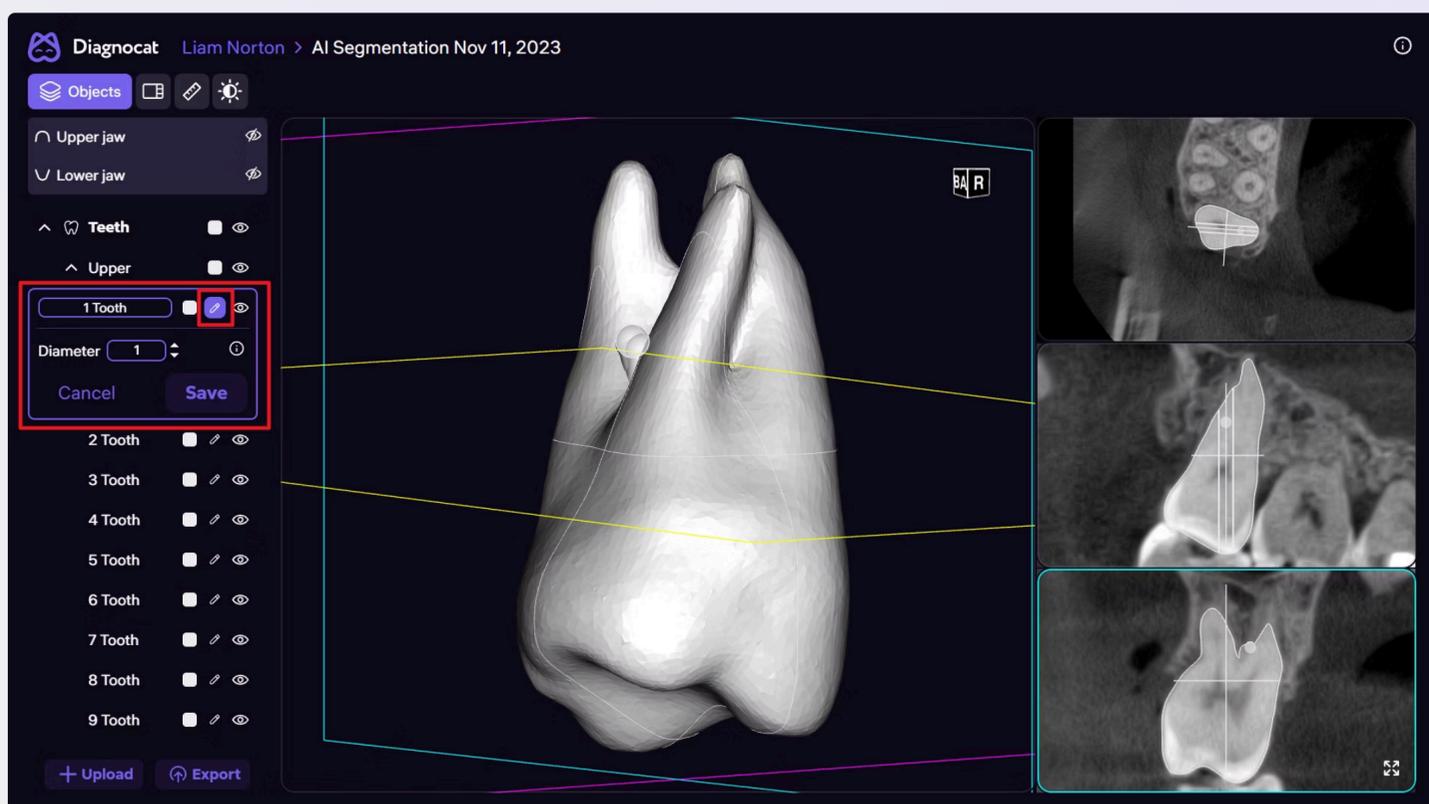


Change display colors



Edit the segmentation

Edit the segmentation by clicking on the pen icon. You can change the contours of any object. For control, refer to the multiplanar reconstruction.

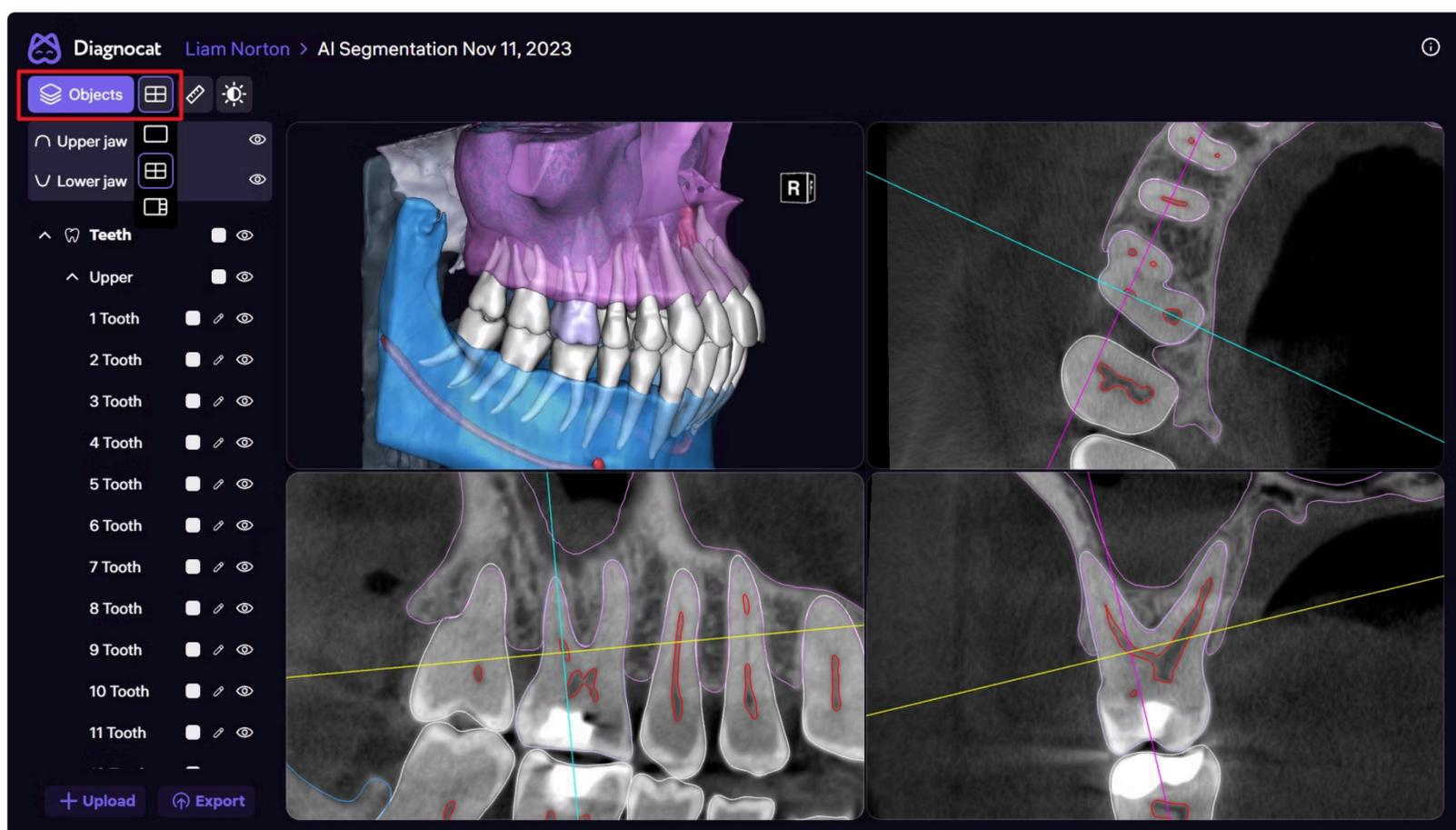


Settings Panel Overview

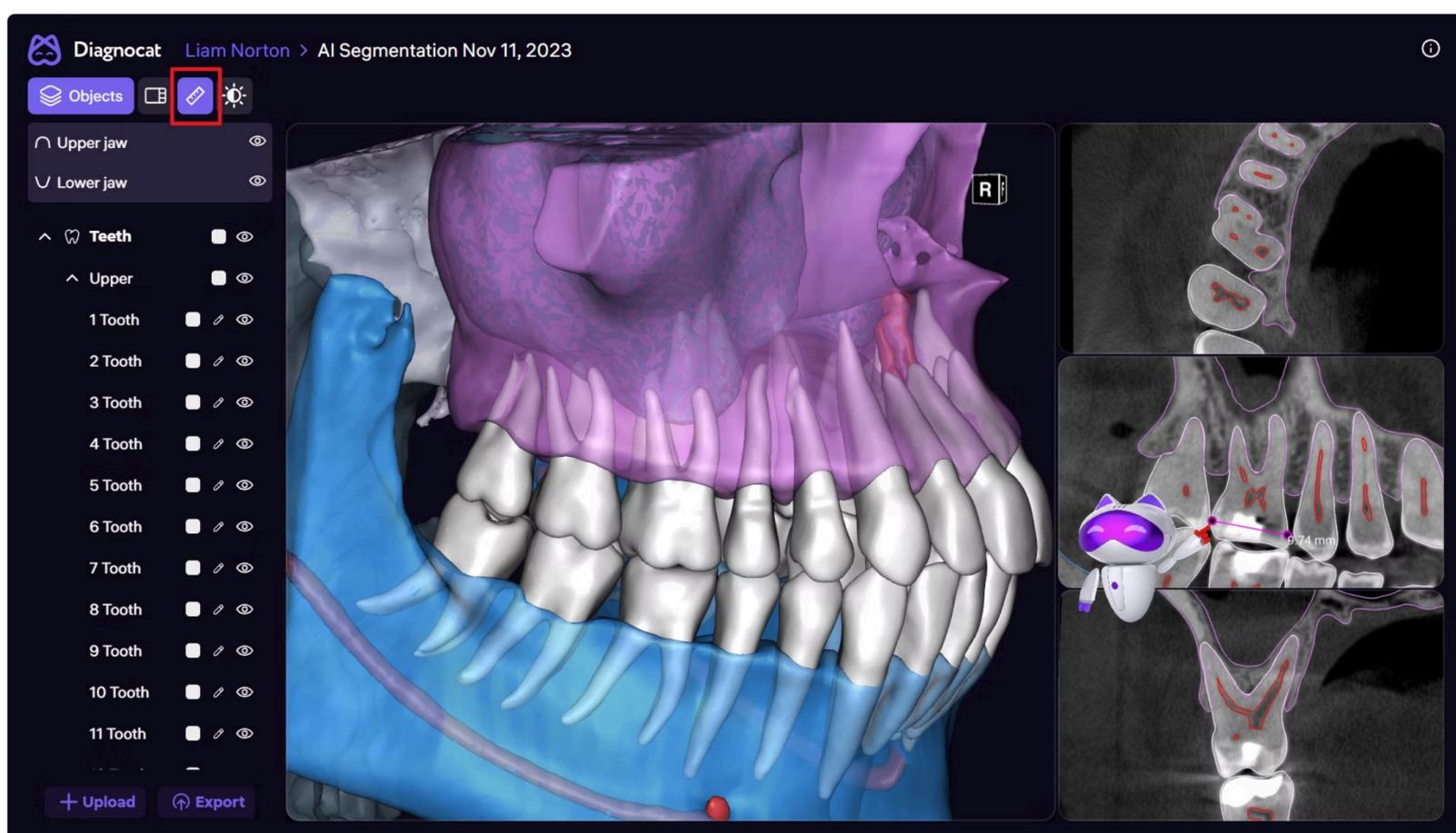
The Settings Panel, located in the top-left corner, allows you to customize your viewing experience.

Objects

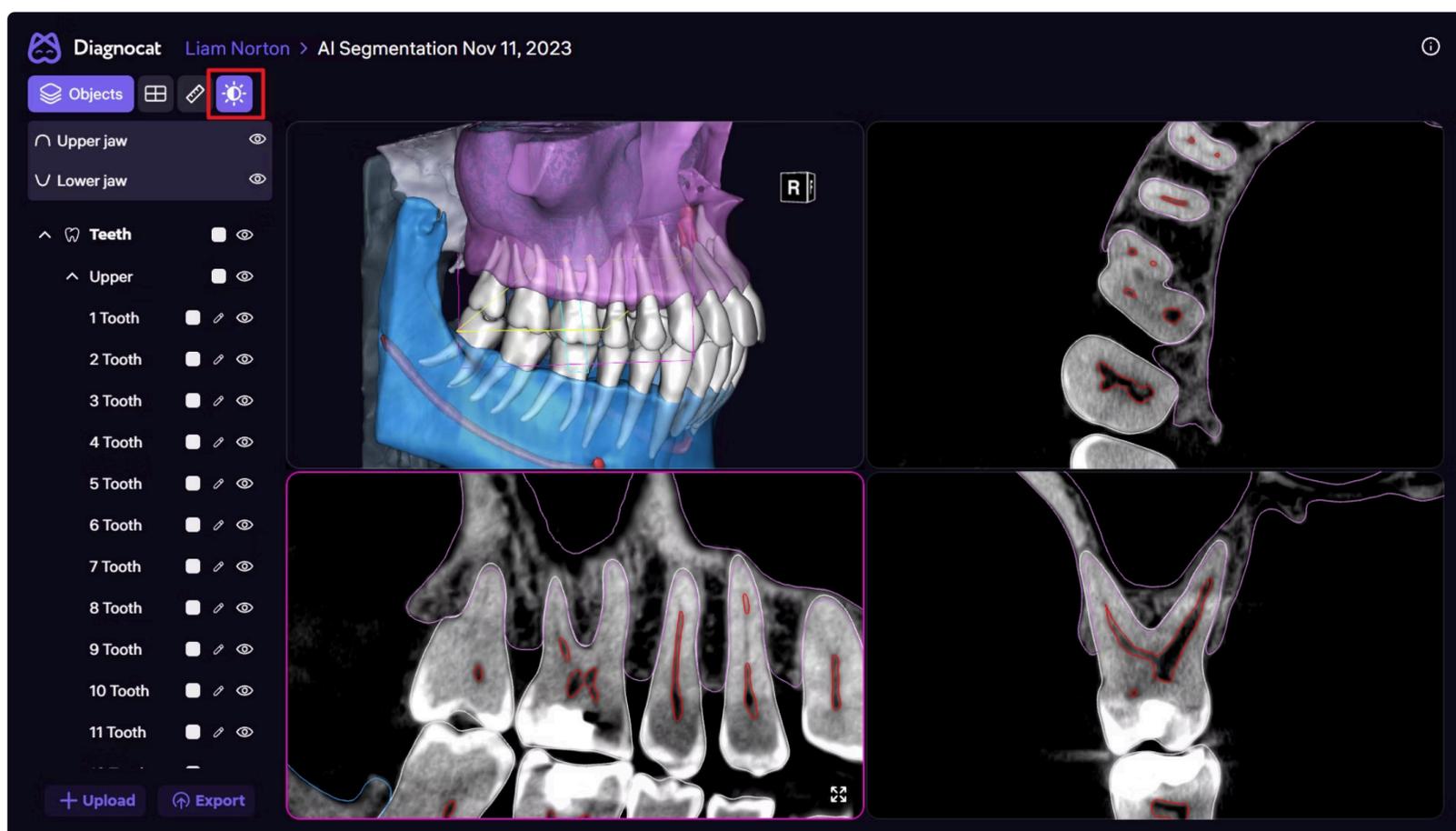
It allows you to hide the list of anatomical objects.



Switch between layout views



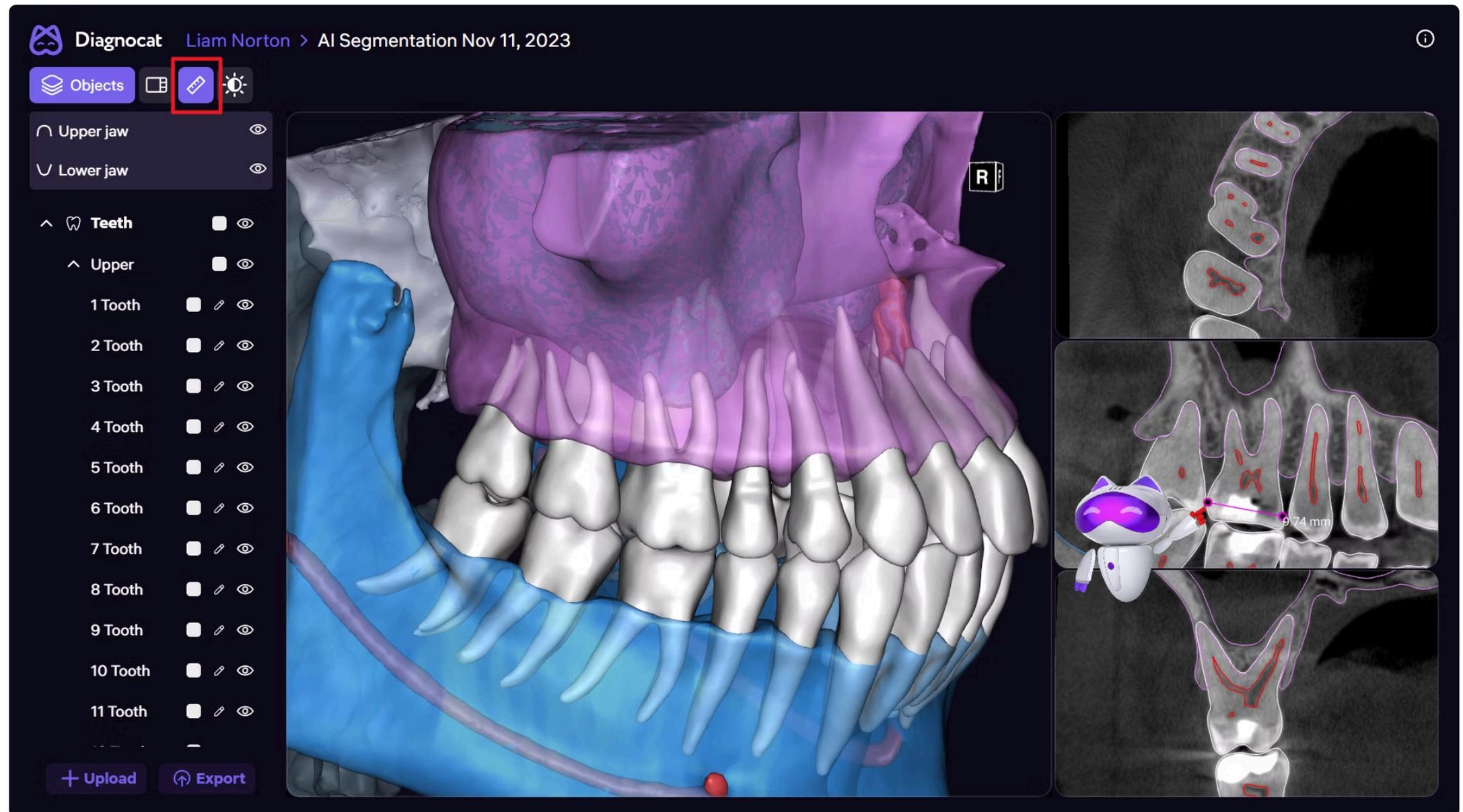
Adjust brightness and contrast



These options ensure optimal visualization for both clinical accuracy and patient-friendly presentations.

Measurement with the Smart Ruler

Diagnocat's Smart Ruler enables precise measurement directly within the 3D or MPR views.



Measurement Capabilities

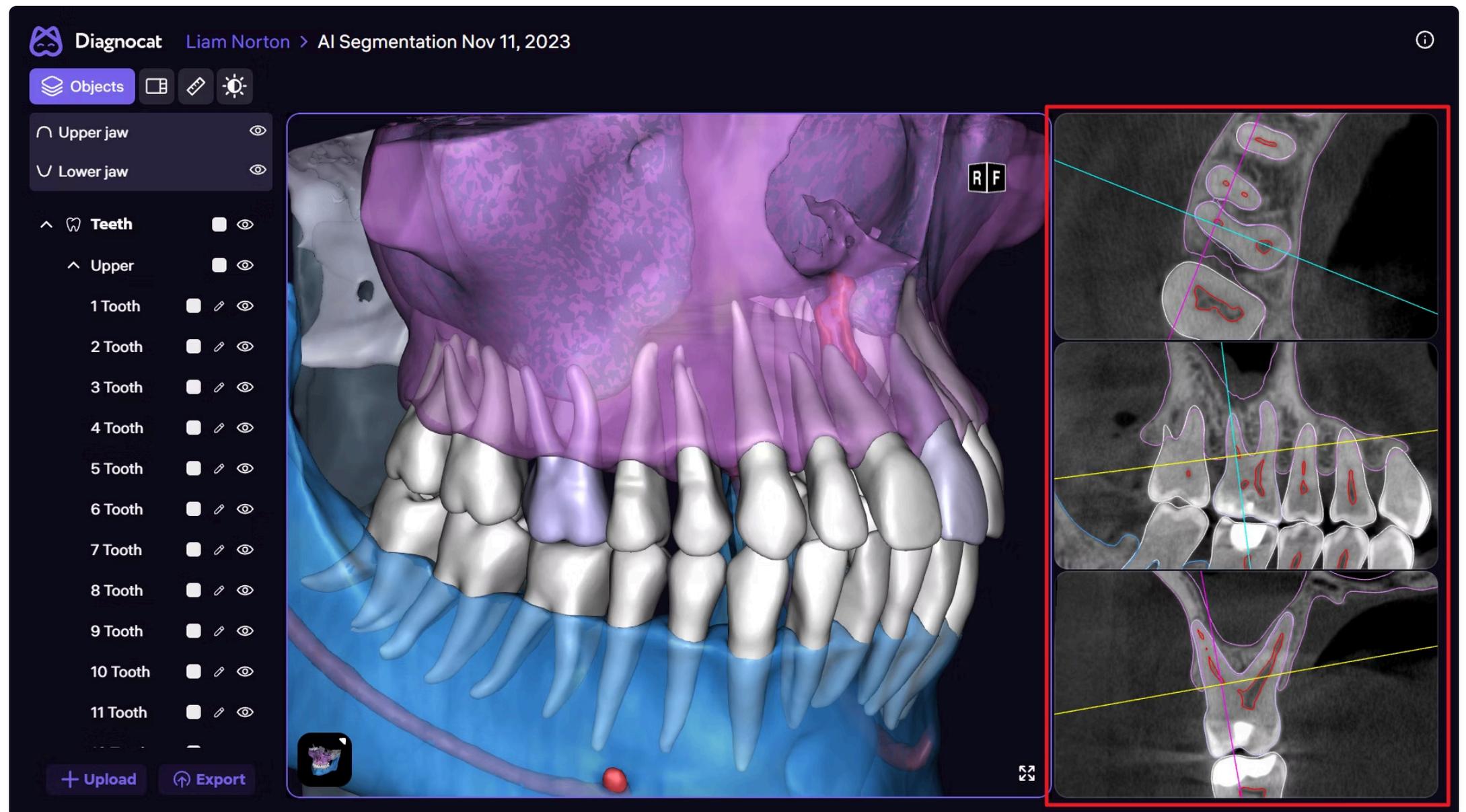
- Measure distances in millimeters
- Works in both MPR (slice-based) view

This tool is especially useful for:

- Implant planning
- Surgical assessment
- Evaluating spatial relationships

Using MPR Mode (Multi-Planar Reconstruction)

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



Key Capabilities

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



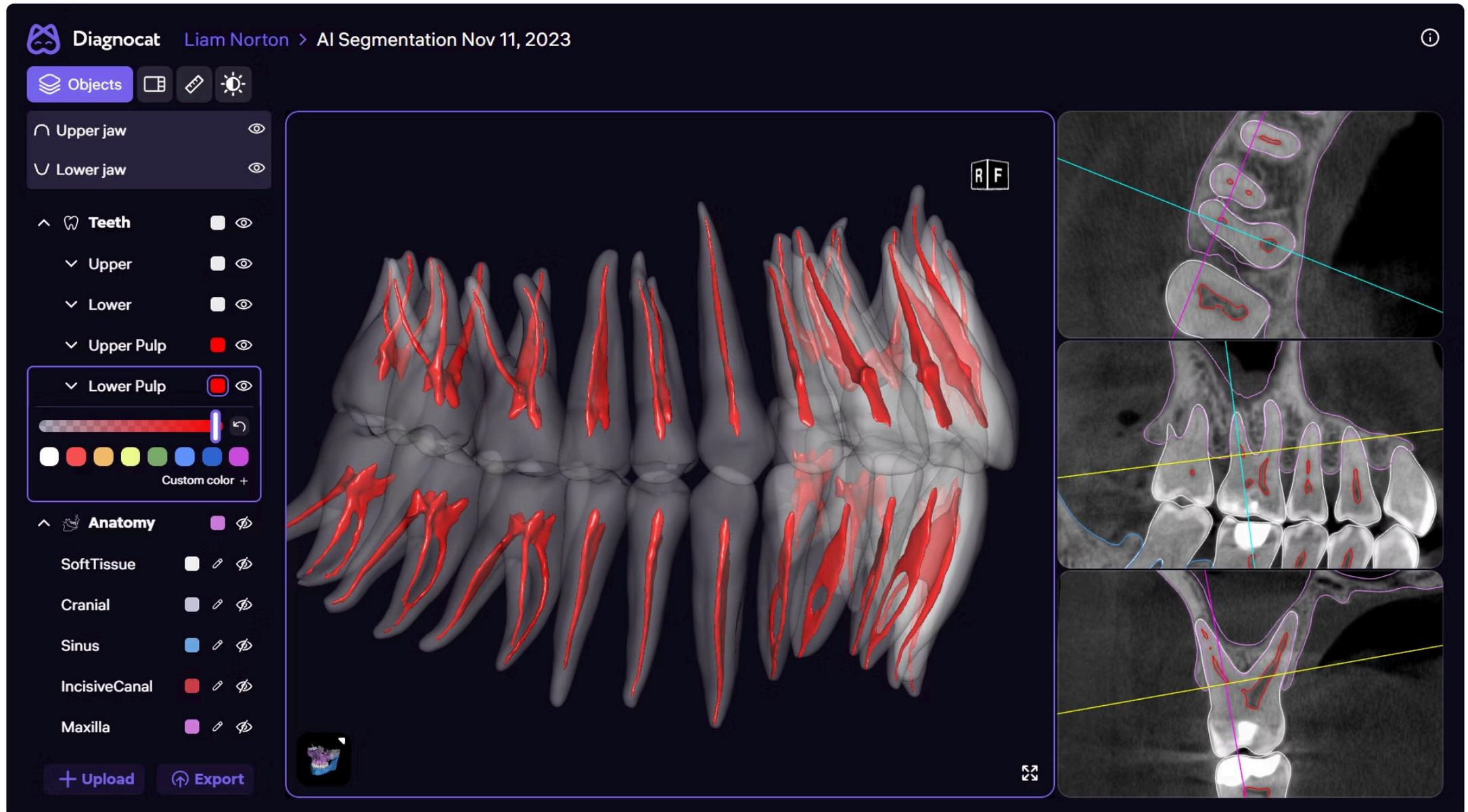
Navigation

- 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.

Viewing Advanced Anatomical Details

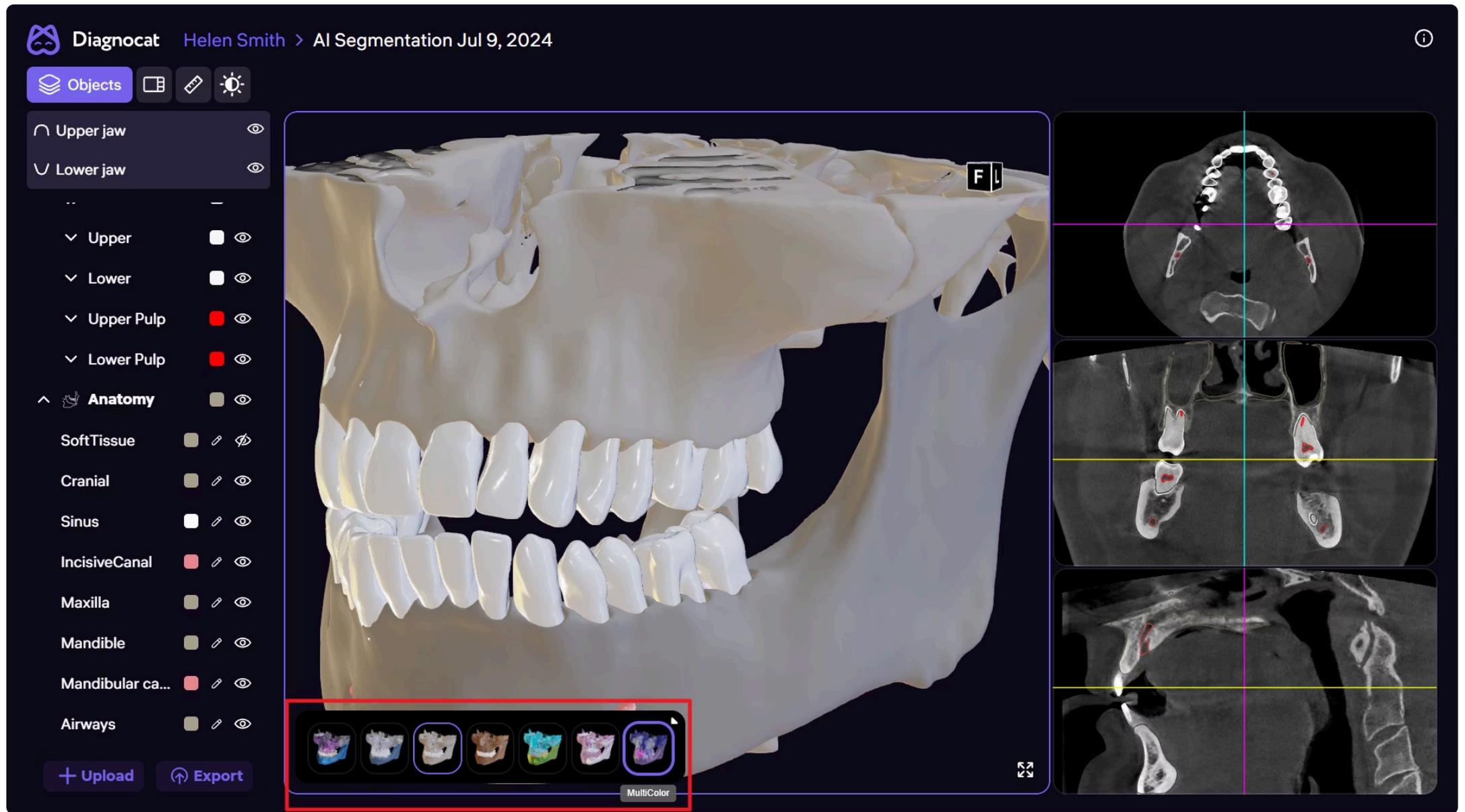
STL segmentation includes fine anatomical structures such as **pulp chambers**.



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

Clinical Applications

You can toggle filters on or off depending on the clinical task.



STL reports are especially effective for:

 **Implant planning**

 **Periodontal case evaluation**

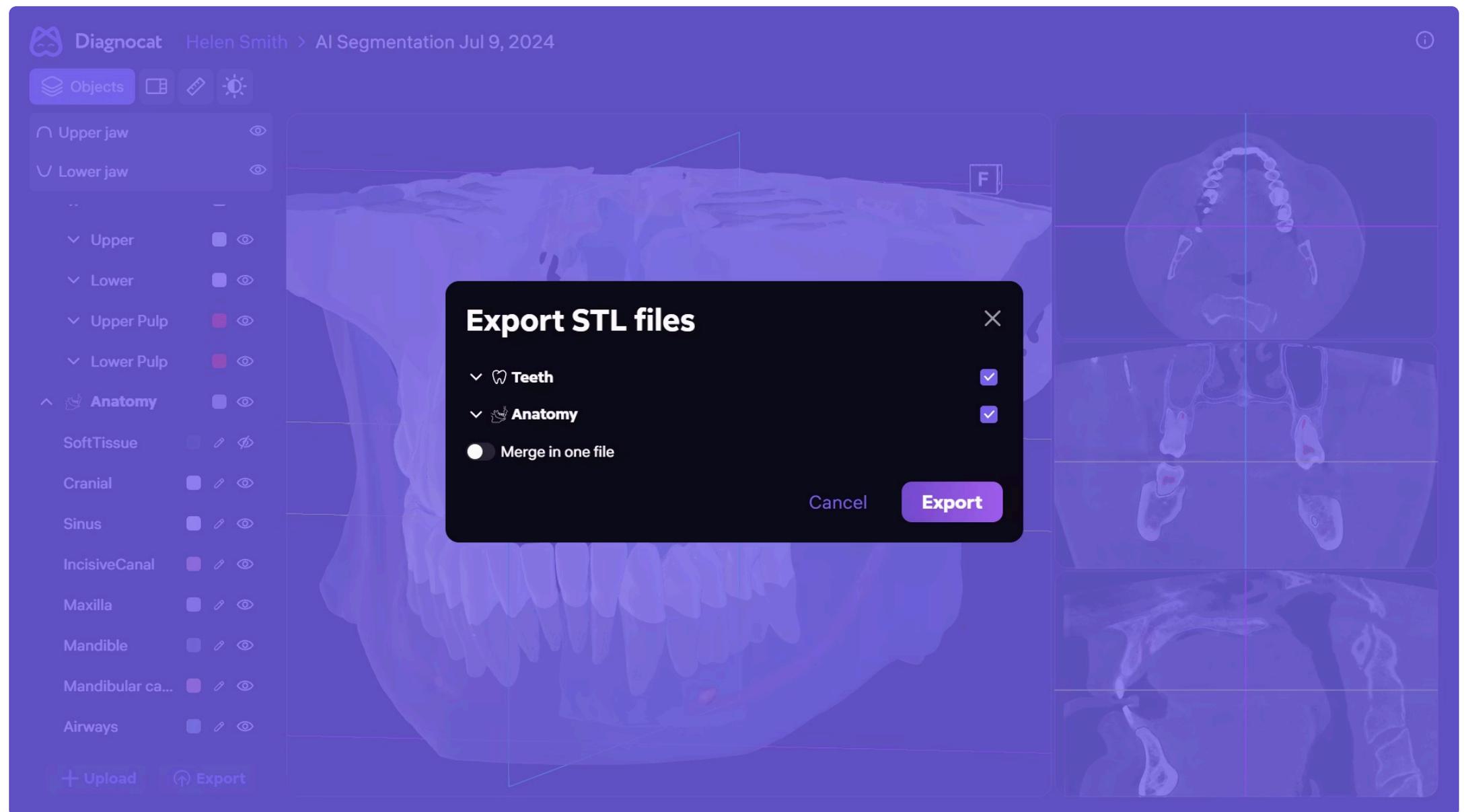
 **Surgical preparation**

 **Patient education**

The clear 3D visuals help patients better understand their diagnosis and proposed treatment, improving communication and treatment acceptance.

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:



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